



Hands-on Cisco Training **2010**



- Routing & Switching
- Data Center & Virtualization
- Collaboration, Voice & Video
- Security
- Unified Wireless
- Cisco Advanced Services

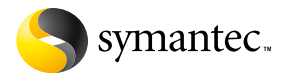
High-end IT Training and -Consulting

The performance and future viability of your company's IT infrastructure hinges on the abilities of the people who run your systems. We provide basic-to-advanced training in high-end technology, honing your people's skills and driving their professional development to benefit your company.

Unified communications, video, security and VPN, virtualization and data centers, wireless networking, optical technologies – Fast Lane has the consultants and training capabilities to meet all your demands in each of these specialized fields. Affording you insight into our full training schedules for the year, this 2010 catalog is here to help you put together an IT qualification program tailored to your needs.

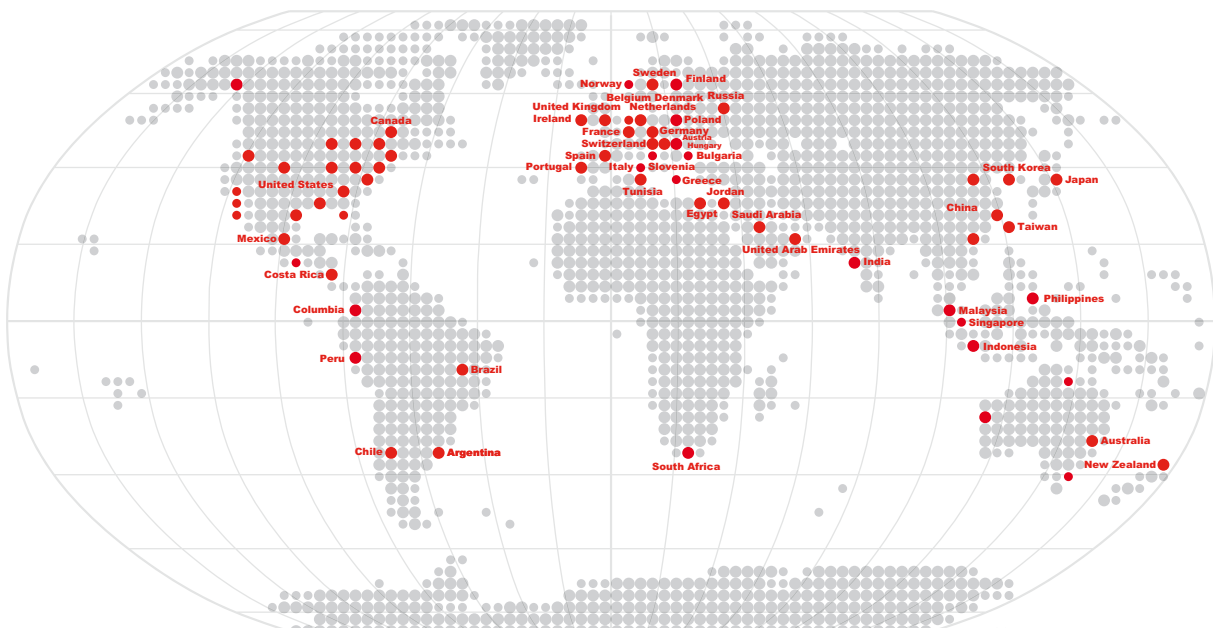
We also offer training around the globe. You'll find Fast Lane in more than 50 countries on all continents. The recipe for our success: Everything we do, we do to satisfy the highest standards for quality. And our comprehensive evaluation system ensures we live up to these expectations. When you sign up for a Fast Lane class, rest assured you will benefit from hands-on training with the latest devices and in state-of-the-art labs. For example, our Cisco Advanced Technology Labs afford you access to the full range of Cisco technologies, all the way up to the Cisco Data Center.

Our seasoned specialists will be happy to help you put together a training plan geared precisely to your needs, providing all the insight IT professionals need to make the most of forward-looking IT technologies.



We look forward to working with you.

Torsten Poels
CEO & Chairman of the Board
Fast Lane



Fast Lane Training Centers

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High-end IT Training and Consulting

We can help your company gain and develop all the technology skills it needs to rise to high-end challenges. After all, technology is the tool and only those who master it can capitalize on its benefits. Our customers and partners rely on us, and for very good reasons.

Fast Lane provides the IT know-how you need. Virtualization and data center, voice, video and unified communications, security, wireless networking or optical technologies – whatever specialized insight, skills, and consulting you may need, Fast Lane has the right expert for you.

Fast Lane is there for you in 50 countries across all continents. More than 300 Fast Lane employees train and advise major companies in all industries, leading service providers, and government agencies in twelve languages. Serving customers worldwide, Fast Lane head offices are sited in Berlin, Cary/NC, San Jose de Costa Rica, Ljubljana, St. Petersburg and Tokyo.

Fast Lane is one of the leading Cisco Learning Solutions Partners worldwide. The fastest growing Cisco Learning Solutions Partner (CLSP), Fast Lane offers you the full Cisco training curriculum, from entry-level to specialized high-end courses, in all regions across the globe.

Fast Lane is the only global NetApp Learning Partner. An authorized NetApp training partner, Fast Lane offers original NetApp training programs worldwide. NetApp-certified specialists with extensive storage experiences conduct the training.

Fast Lane is the training provider of choice when it comes to virtualized data center solutions. As an authorized training partner of Cisco, NetApp, VMware, and Symantec, we get you ready to rise to the challenges of planning and making the most of future-focused data center solutions.

Fast Lane has developed courses of its own covering all key future technologies. What's more, our offering comprises many other vendors and organizations' training programs, for example, Brocade, CA, Check Point, Citrix, CompTIA, HP, ITIL, Lotus, LPI, Microsoft, Nokia, Novell, Oracle, PMI, PRINCE2™, Red Hat, RSA Security, SAP, Sun, Symantec, Trend Micro, and VMware.

Fast Lane gives you access to a lab infrastructure unrivalled worldwide. Fast Lane customers enjoy the use of training and demo labs for all areas of high-end networking. Equipped with the latest devices and technologies, our high-end labs provide first-rate service and raise the bar for training quality. Our project consultants can access these labs from any location.

Fast Lane services satisfy the most discerning demands. A comprehensive evaluation system ensures Fast Lane lives up to the most rigorous quality standards. With professional experience and excellent teaching skills, all our instructors and consultants transfer knowledge efficiently and effectively.

Fast Lane employees' response is swift and courteous. Rest assured you will always enjoy friendly, competent service and a quick response to your every request, even at shortest notice. For example, we can deploy troubleshooting experts within a few hours and organize on-site training including a coach, equipment, and course materials within 24 hours.



Fast Lane's training offerings are as multifaceted as the diverse Cisco technologies and specialized solutions your company and workforce need.

CISCO COMPLETE

Fast Lane offers the full range of Cisco training, from entry-level to high-end specialty courses. We can ensure you are prepared to master the challenges of Cisco certification and specialization.

CISCO EUROPEAN LEARNING PARTNER OF THE YEAR 2009

In June 2009 Fast Lane received the 'Cisco European Learning Partner of the Year 2009' award.

TAILORED COURSES

Our experts will be delighted to tailor and conduct training to suit your wishes.

TOP COACHES

All our instructors are Cisco-certified specialists with extensive practical experience in their specialty fields. For example, 62 CCIEs (Cisco Certified Internetwork Experts) and 80 CCNPs (Cisco Certified Network Professionals) are at your disposal.

RIGHT THERE ON SITE

We offer regularly scheduled training in many European locations to help you plan and implement your training program to your best benefit.

CERTIFIED WORLDWIDE

Fast Lane is certified in all regions worldwide as a Cisco Learning Solutions Partner.

ADVANCED TECHNOLOGY LABS

Putting hands-on exercises and the latest Cisco equipment to good use, we convey the knowledge you need to operate complex network infrastructures.

CISCO LEARNING CREDITS

Redeem your Cisco Learning Credits! You are free to use CLCs to pay for any Cisco training.

LEARNING CENTER

Our online learning center helps you achieve your certification goals quickly and without administrative effort because we act on your behalf, shouldering all the responsibility for managing certification projects.

Routing & Switching



Unified Communications



TelePresence



MeetingPlace



DMS



Data Center & Virtualization



Security & VPN



Wireless LAN



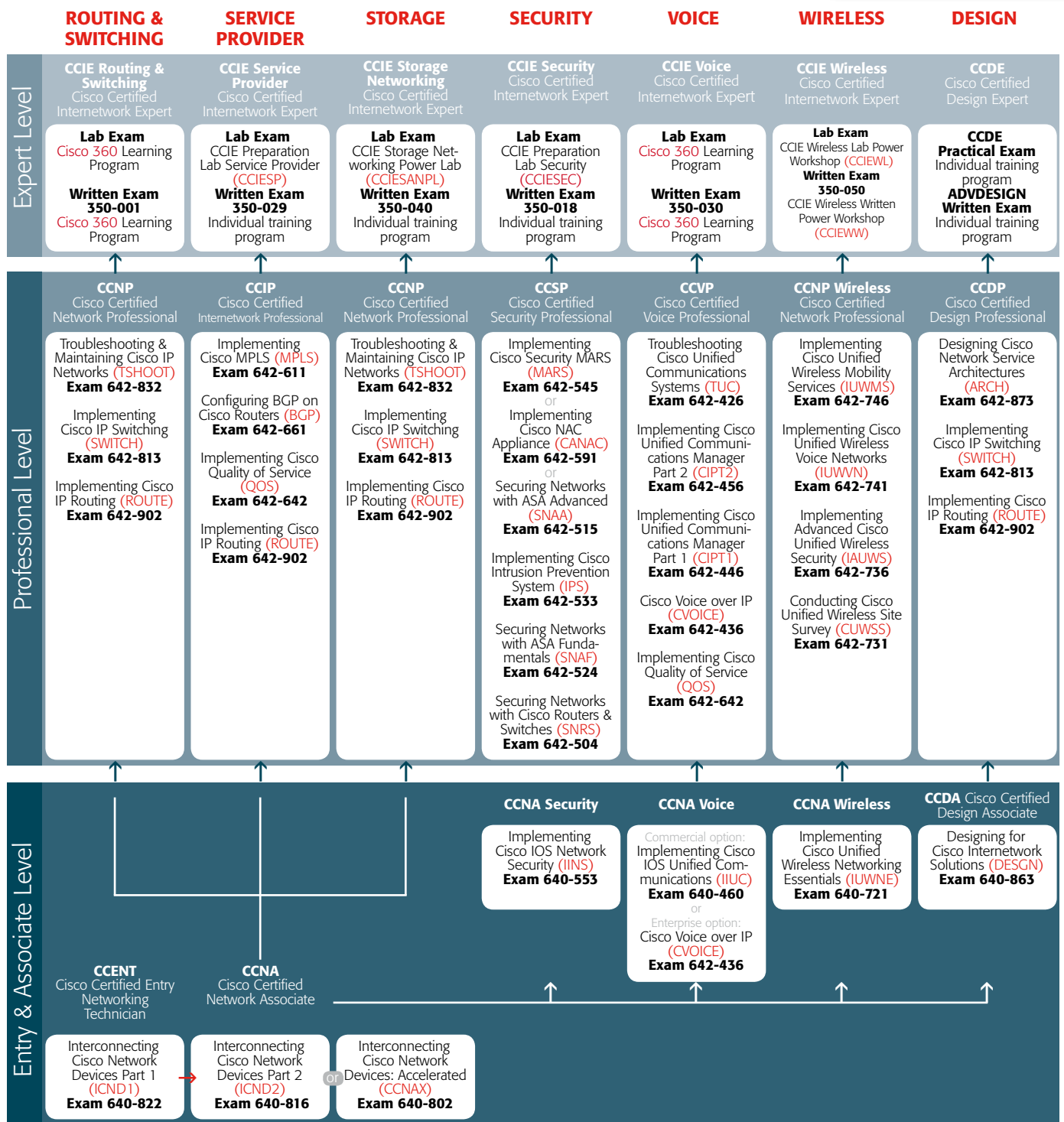
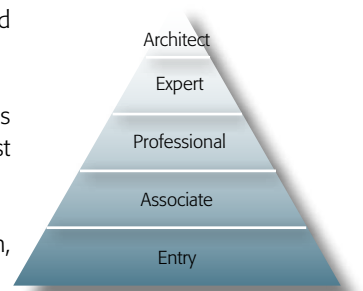
Cisco Career Certifications



Widely respected throughout the world, Cisco Certifications substantiate the knowledge and skills of certified specialists. They rank among the most sought-after qualifications for internetworking professionals.

Five Certification Levels: Cisco offers five levels of certification: from Entry and Associate, the basic levels of networking certification, to the advanced level of Professional, and up to Expert and Architect, the highest certification level for network specialists.

Seven Certification Tracks: Certification can be attained in various fields: Routing & Switching, Design, Security, Service Provider, Storage Networking, Voice and Wireless.



Next to the general Cisco qualification programs, Cisco Qualified Specialist certifications are available to demonstrate competence in specific technology areas, solutions, and/or job roles: Advanced Routing & Switching, Data Center, Foundation for Channel Partners, Unified Communications & Video, MeetingPlace, Security and Wireless.

DATA CENTER: NETWORKING INFRASTRUCTURE, APPLICATION SERVICES, STORAGE NETWORKING, UNIFIED COMPUTING

Prerequisites	Recommended Training	Days	Test
CISCO DATA CENTER APPLICATION SERVICES DESIGN SPECIALIST			
CCDA Certification	DCASD Designing Cisco Data Center Application Services	5	DCASD Test #642-972
CISCO DATA CENTER APPLICATION SERVICES SUPPORT SPECIALIST			
CCNA Certification	DCASI Implementing Cisco Data Center Application Services	5	DCASI Test #642-975
CISCO DATA CENTER NETWORKING INFRASTRUCTURE DESIGN SPECIALIST			
CCDA Certification	DCNID Designing Cisco Data Center Network Infrastructure	5	DCNID Test #642-971
CISCO DATA CENTER NETWORKING INFRASTRUCTURE SUPPORT SPECIALIST			
CCNP Certification	DCNI-1 Implementing Cisco Data Center Network Infrastructure 1 DCNI-2 Implementing Cisco Data Center Network Infrastructure 2	5 5	DCNI-1 Test #642-973 DCNI-2 Test #642-974
CISCO DATA CENTER STORAGE NETWORKING DESIGN SPECIALIST			
None	DCSNS Designing Cisco Storage Networking Solutions	5	DCSNS Test #642-357
CISCO DATA CENTER STORAGE NETWORKING SUPPORT SPECIALIST			
None	ICSNS Implementing Cisco Storage Networking Solutions IASNS Implem. Advanced Cisco Storage Networking Solutions	5 5	ICSNS Test #642-359
CISCO DATA CENTER NETWORKING SALES SPECIALIST			
CSE Certification	DCNSS Data Center Networking Solution Sales		DCNSS Test #646-985
CISCO DATA CENTER STORAGE NETWORKING SALES SPECIALIST			
CSE Certification	DCNS Selling Cisco Data Center Networking Solutions		DCNS Test #646-976
CISCO DATA CENTER UNIFIED COMPUTING DESIGN SPECIALIST			
VMware Design Exam PLUS one of the following options: • CCDA Certification and DCUCD 642-978 • Qualifier Exam • DCSNS and DCNID Certifications	DCUCD Data Center Unified Computing Design	5	DCUCD Test #642-982
CISCO DATA CENTER UNIFIED COMPUTING SUPPORT SPECIALIST			
VCP (VMware Certified Professional) PLUS one of the following options: • CCNA Certification and DCUCI 642-979 • Qualifier Exam • ICSNS and DCNIS Certifications	DCUCI Data Center Unified Computing Implementation	5	DCUCI Test #642-983

SECURITY & VPN

Prerequisites	Recommended Training	Days	Test
CISCO ASA SPECIALIST			
CCNA Security Certification	SNAF Securing Networks with ASA Fundamentals SNAA Securing Networks with ASA Advanced	5 5	SNAF Test #642-524 SNAA Test #642-515
Cisco IPS SPECIALIST			
CCNA Security Certification	IPS Implementing Cisco Intrusion Prevention System	4	IPS Test #642-533
CISCO NETWORK ADMISSION CONTROL SPECIALIST			
CCNA Security Certification	CANAC Implementing Cisco NAC Appliance	3	CANAC Test #642-591
CISCO SECURITY SOLUTIONS & DESIGN SPECIALIST			
CCDA Certification	SSSE Security Solutions for System Engineers	5	SSSE Test #642-566
CISCO SECURITY SALES SPECIALIST			
CSE Certification	ASAM Advanced Security for Account Managers		ASAM Test #646-563

FOUNDATION FOR CHANNEL PARTNERS

Prerequisites	Recommended Training	Days	Test
CISCO EXPRESS FOUNDATION DESIGN SPECIALIST			
CCDA Certification	CXFS Cisco Express Foundation SE		CXFS Test #642-373
CISCO EXPRESS FOUNDATION FIELD SPECIALIST			
CCNA Certification	CXFF Cisco Express Foundation FE		CXFF Test #642-383
CISCO EXPRESS FOUNDATION SALES SPECIALIST			
CSE Certification	CXFA Cisco Express Foundation AM		CXFA Test #646-363

ADVANCED ROUTING & SWITCHING

Prerequisites	Recommended Training	Days	Test
CISCO ROUTING & SWITCHING FIELD SPECIALIST			
CCNP Certification	ARFSE Advanced Routing & Switching for Field Engineers CWAAS Cisco Wide Area Application Services	3 5	ARFSE Test #642-067 WAASFE Test #642-655
CISCO ROUTING & SWITCHING SOLUTIONS SPECIALIST			
CCDA Certification	RSSSE Routing & Switching Solutions for System Engineers CWAAS Cisco Wide Area Application Services	2 5	RSSSE Test #642-062 WAASSE Test #642-654
CISCO ROUTING & SWITCHING SALES SPECIALIST			
CSE Certification	ARSAM Advanced Routing & Switching for AMs Cisco Lifecycle Services Express WAASAM Wide Area Application Services for AMs		ARSAM Test #646-046 WAASAM Test #646-656

UNIFIED COMMUNICATIONS & VIDEO

Prerequisites	Recommended Training	Days	Test
CISCO IP COMMUNICATIONS EXPRESS SPECIALIST			
CCNA Certification	IIUC Implementing Cisco IOS Unified Communications IIUC2 Implementing Cisco IOS Unified Communications Part 2 Cisco Lifecycle Services Express	5 5	IIUC2 Test #642-145 LCSE Test #650-393
CISCO IP CONTACT CENTER EXPRESS SPECIALIST			
None	UCCXD Unified Contact Center Express & Unified IP IVR	5	UCCX Test #642-164
CISCO IP COMMUNICATIONS DESIGN SPECIALIST			
CCDA Certification	UCAD Cisco Unified Communications Architecture & Design QOS Implementing Cisco QoS Cisco Lifecycle Services for Advanced Unified Communications	5 5	UCAD Test #642-415 QOS Test #642-642 LCSAUC Test #650-251
CISCO RICH MEDIA COMMUNICATIONS SPECIALIST			
CCNA Certification	ICRMC Implem. Cisco IP Video Conference Rich Media Comm. CVOICE Cisco Voice over IP	5	CRMC Test #642-481 CVOICE Test #642-436
CISCO UNITY DESIGN SPECIALIST			
CCDA Certification	IUM Implementing Cisco Unified Messaging CUDN Cisco Unity Design & Networking	5 4	CUDN Test #642-072
CISCO UNITY SUPPORT SPECIALIST			
None	IUC Implementing Cisco Unity Connection	5	IUC Test #642-262
CISCO UNIFIED PRESENCE SPECIALIST			
None	PRSDI Cisco Unified Presence Design & Implementation	3	PRSDI Test #642-181
CISCO TELEPRESENCE INSTALLATIONS SPECIALIST			
None	ITI Implementing Cisco TelePresence Installation		tbd
CISCO TELEPRESENCE SOLUTIONS SPECIALIST			
CCNA Certification	ITS Implementing Cisco TelePresence Solutions PITS Physical Installation of Cisco TelePresence Systems	4 2	tbd
CISCO ADVANCED IP COMMUNICATIONS SALES SPECIALIST			
CSE Certification	AUCAM Advanced Unified Communications Account Manager Cisco Lifecycle Services Express		AUCAM Test #646-230 LCSE Test #650-393
CISCO IP COMMUNICATIONS EXPRESS SALES SPECIALIST			
CSE Certification	UCXAM Unified Communications Express AM Cisco Lifecycle Services Express		UCXAM Test #646-223 LCSE Test #650-393

MEETINGPLACE

Prerequisites	Recommended Training	Days	Test
CISCO MEETINGPLACE DESIGN SPECIALIST			
None	DMPS Designing Cisco Unified MeetingPlace Solutions	3	DMPS Test #642-272
CISCO MEETINGPLACE SUPPORT SPECIALIST			
None	IMPS Implementing MeetingPlace Solutions	5	IMPS Test #642-274
CISCO MEETINGPLACE SALES SPECIALIST			
CSE Certification	SMPS Selling Cisco Unified MeetingPlace Solutions		SMPS Test #646-276

WIRELESS LAN

Prerequisites	Recommended Training	Days	Test
CISCO ADVANCED WIRELESS LAN DESIGN SPECIALIST			
CCDA Certification	CWLF Cisco Wireless LAN Fundamentals CWLAT Cisco Wireless LAN Advanced Topics	4 4	AWLANSE Test #642-681
CISCO ADVANCED WIRELESS LAN FIELD SPECIALIST			
CCNA Certification	CWLF Cisco Wireless LAN Fundamentals CWLAT Cisco Wireless LAN Advanced Topics	4 4	AWLANFE Test #642-631
CISCO ADVANCED WIRELESS LAN SALES SPECIALIST			
CSE Certification	WLAS Wireless LAN Advanced Sales		AWLANAM Test #646-671

Cisco's industry-leading program and certification branding uniquely differentiates you and your solutions, and the way in which you are perceived by customers.

CERTIFICATION LEVELS: SELECT, PREMIER, SILVER, GOLD

The Cisco Channel Partner Program certification level directly reflects your technology skills breadth across key technologies, to ensure your ability to deliver integrated solutions. There are four partner certification levels:

- **Select** Certification - requires the SMB Specialization.
- **Premier** Certification - requires the Express Foundation Specialization.
- **Silver** Certification - requires the Express Foundation Specialization, plus either of the two following options: Any two advanced specializations OR Express Unified Communications Specialization plus one advanced specialization, excluding the Advanced Unified Communications Specialization.
- **Gold** Certification - requires all four of the following: Advanced Routing and Switching, Advanced Security, Advanced Unified Communications and Advanced Wireless LAN Specializations for expanded expertise across multiple advanced technologies.

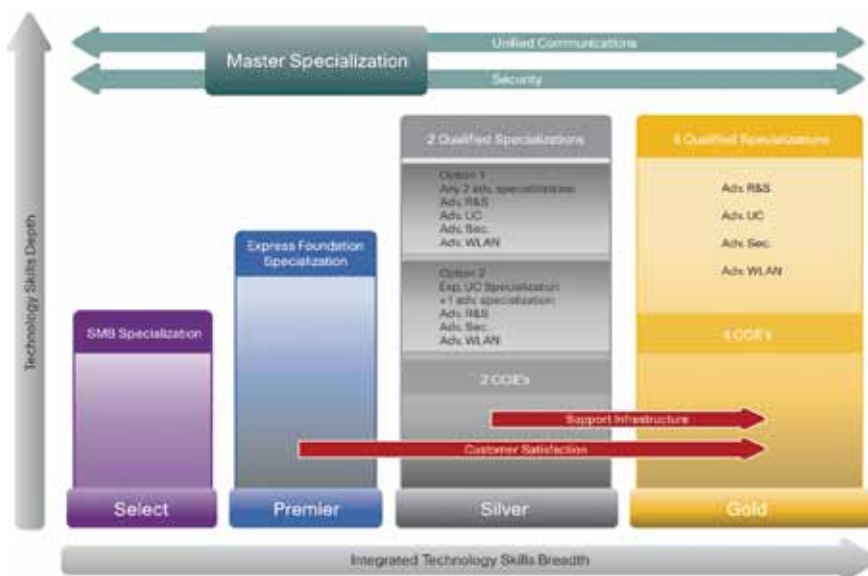
SPECIALIZATION LEVELS: ENTRY, EXPRESS, ADVANCED, MASTER

Cisco specializations reflect a partner's skills depth in a particular technology. The Cisco Channel Partner Program offers four levels of specialization:

- **Entry** Specialization
- **Express** Specialization
- **Advanced** Specialization
- **Master** Specialization

Each level represents greater capabilities in sales, technical, and lifecycle services. These specializations concentrate on specific technology areas and offer a way for partners to differentiate themselves in the marketplace. By achieving specializations, partners have proven they have the sales, technical, and lifecycle services expertise to plan, design, implement, and operate business solutions in customer environments.

Cisco Resale Partner Program Framework



CONTACT US.

Feel free to get in touch if you have any questions about the Cisco Channel Partner Program - we'll be delighted to hear from you. You can reach us any time by calling +49 (0)40 25334610 or sending an e-mail to info@flane.de.

Select Partner

Specialization Requirements	Account Manager	Engineer	Certified Individuals
SMB	Cisco SMB Account Manager	Cisco SMB Engineer	1 or 2

Premier Partner

Specialization Requirements	Account Manager	System Engineer	Field Engineer	Certified Individuals
Express Foundation	CSE	CCDA	CCNA	3

Silver Partner

Specialization Requirements*	Account Manager	System Engineer	Field Engineer	Certified Individuals
Express Unified Communications	CSE	CCDA or CCNA		2
Advanced Routing & Switching	CSE	CCDA	CCNP	3
Advanced Unified Communications	CSE	CCDA	CCVP	3
Advanced Security	CSE	CCDA	CCSP	3
Advanced Wireless LAN	CSE	CCDA	CCNA	3

* A Silver Partner requires two Advanced Specializations (Express Unified Communications can be substituted for one of the Advanced Specializations but cannot be combined with Advanced Unified Communications specialization.)

In order to satisfy Silver certification requirements a partner must also have 2 CCIEs (these can satisfy any technical specialization role).

Gold Partner

Specialization Requirements	Account Manager	System Engineer	Field Engineer	Certified Individuals
Advanced Routing & Switching	CSE	CCDA	CCNP	3
Advanced Unified Communications	CSE	CCDA	CCVP	3
Advanced Security	CSE	CCDA	CCSP	3
Advanced Wireless LAN	CSE	CCDA	CCNA	3

In order to satisfy Gold certification requirements a partner must also have 4 CCIEs (these can satisfy any technical specialization role).



Cisco Channel Partner Program: Training by Specialization



SMB Specialization

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
SMB				
AM	None		SMB Solutions for Account Managers E-Learning	SMBAM Test #650-175
SE	None		SMB Solutions for Engineers E-Learning	SMBE Test #650-180

Express Specialization

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
EXPRESS FOUNDATION				
AM	CSE Certification	Cisco Express Foundation Sales Specialist	CXFA Express Foundation AM	CXFA Test #646-363
SE	CCDA Certification	Cisco Express Foundation Design Specialist	CXFS Express Foundation SE	CXFS Test #642-373
FE	CCNA Certification	Cisco Express Foundation Field Specialist	CXFF Express Foundation FE	CXFF Test #642-383

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
EXPRESS UNIFIED COMMUNICATIONS				
AM	CSE Certification	Cisco IP Communications Express Sales Specialist	Unified Communications Express AM Cisco Lifecycle Services Express	UCXAM Test #646-223 LCSE Test #650-393
SE	CCNA Certification	Cisco IP Communications Express Specialist	IIUC Implementing Cisco IOS UC IIUC2 Implementing Cisco IOS UC Part 2 Cisco Lifecycle Services Express	IIUC2 Test #642-145 LCSE Test #650-393

Advanced Specialization

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED UNIFIED COMMUNICATIONS				
AM	CSE Certification	Cisco Advanced IPC Sales Specialist	AUCAM Advanced Unified Communications Account Manager Cisco Lifecycle Services Express	AUCAM Test #646-230 LCSE Test #650-393
SE	CCDA Certification	Cisco IPC Design Specialist	UCAD Cisco UCs Architecture & Design QOS Cisco Quality of Service Cisco Lifecycle Services for Advanced UC	UCAD Test #642-415 QOS Test #642-642 LCSAUC Test #650-251
FE	CCVP Certification		Cisco Lifecycle Services for Advanced Unified Communications	LCSAUC Test #650-251
Additional Requirements*				
	None	Cisco Unified Contact Center Express Specialist	UCCXD Unified Contact Center Express & Unified IP IVR Deployment	UCCX Test #642-164
	CCDA Certification	Cisco Unity Design Specialist	CUDN Cisco Unity Design & Networking IUM Implementing Cisco Unified Messaging	CUDN Test #642-072
	MCSE Messaging on Windows Server 2003 recommended	Cisco Unity Support Specialist	IUC Implementing Cisco Unity Connection	IUC Test #642-262
	CCNA Certification	Cisco Rich Media Communications Specialist	ICRMC Implementing Cisco IP Video Conference Rich Media Communications VOICE Cisco Voice over IP	CRMC Test #642-481 CVOICE Test #642-436

* In addition to the above unique individual role requirements, the following Cisco Qualified Specialist badges are required for Advanced Unified Communications Specialization: Cisco Rich Media Communications Specialist, Cisco Unified Contact Center Express Specialist, Cisco Unity Design Specialist, Cisco Unity Support Specialist

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED ROUTING & SWITCHING				
AM	CSE Certification	Cisco Routing & Switching Sales Specialist	Advanced Routing & Switching for AMs Cisco WAAS for AMs Cisco Lifecycle Services Express	ARSAM Test #646-046 WAASAM Test #646-656
SE	CCDA Certification	Cisco Advanced Routing & Switching Solutions Specialist	QOS Cisco Quality of Service ROUTE Implementing Cisco IP Routing RSSSE Routing & Switching Solutions for System Engineers CWAAS Wide Area Application Services	RSSSE Test #642-062 WAASSE Test #642-654
FE	CCNP Certification	Cisco Advanced Routing & Switching Field Specialist	QOS Cisco Quality of Service ARSFE Advanced Routing & Switching for Field Engineers CWAAS Wide Area Application Services	ARSFE Test #642-067 WAASFE Test #642-655

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED SECURITY				
AM	CSE Certification	Cisco Security Sales Specialist	ASAM Advanced Security for Account Managers	ASAM Test #646-563
SE	CCDA Certification	Cisco Security Solutions & Design Specialist	SSSE Security Solutions for System Engineers	SSSE Test #642-566
FE	CCSP or CCIE Security Certification		Cisco Lifecycle Services Advanced Security	LCSAS Test #650-575

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED WIRELESS LAN				
AM	CSE Certification	Cisco Advanced Wireless LAN Sales Specialist	WLAS Wireless LAN Advanced Sales Cisco Lifecycle Services Express	AWLANAM Test #646-671
SE	CCDA Certification	Cisco Advanced Wireless LAN Design Specialist	CWLF Cisco Wireless LAN Fundamentals CWLAT Cisco WLAN Advanced Topics Lifecycle Services for Advanced WLAN	AWLANSE Test #642-681
FE	CCNA Certification	Cisco Advanced Wireless LAN Field Specialist	CWLF Cisco Wireless LAN Fundamentals CWLAT Cisco WLAN Advanced Topics Lifecycle Services for Advanced WLAN	AWLANFE Test #642-631



CONTACT US.

Fast Lane offers training courses that effectively prepare network specialists for the various Cisco Certifications.

Feel free to get in touch if you have any questions about our offering - we'll be delighted to hear from you. You can reach us any time by calling +49 (0)40 25334610 or sending an e-mail to info@flane.de.

Optional Specializations

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED DATA CENTER NETWORKING INFRASTRUCTURE				
AM	CSE Certification	Cisco Data Center Networking Sales Specialist	DCNSS Data Center Networking Solution Sales	DCNSS Test #646-985
SE	CCDA Certification	Cisco Data Center Networking Infrastructure Design Specialist	DCNID Designing Cisco Data Center Network Infrastructure	DCNID Test #642-971
FE	CCNP Certification	Cisco Data Center Networking Infrastructure Support Specialist	DCNI-1 Implementing Cisco Data Center Network Infrastructure 1 DCNI-2 Implementing Cisco Data Center Network Infrastructure 2	DCNI-1 Test #642-973 DCNI-2 Test #642-974
	CCDA Certification	Cisco Data Center Application Services Design Specialist	DCASD Designing Cisco Data Center Application Services	DCASD Test #642-972
	CCNA Certification	Cisco Data Center Application Services Support Specialist	DCASI Implementing Cisco Data Center Application Services	DCASI Test #642-975

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED DATA CENTER STORAGE NETWORKING				
AM	CSE Certification	Cisco Data Center Storage Networking Sales Specialist	DCNS Selling Cisco Data Center Networking Solutions	DCNS Test #646-976
SE	None	Cisco Data Center Storage Networking Design Specialist	DCSNS Designing Cisco Storage Networking Solutions	DCSNS Test #642-357
FE	None	Cisco Data Center Storage Networking Support Specialist	ICSNS Implementing Cisco Storage Networking Solutions IASNS Implementing Advanced Cisco Storage Networking Solutions	ICSNS Test #642-359

Master Specialization

The Cisco Master Specialization is targeted at an elite group of partners that have the most in-depth technology skills and have demonstrated success in selling, deploying, and providing services for more sophisticated Cisco solutions. Partners with a highly qualified practice in a given technology can achieve Master Specialization regardless of their certification level. Additionally, Master Specialization provides a higher level of distinction for partners and helps to highlight the expertise they bring to their field. Cisco currently offers the Master Unified Communications Specialization and Master Security Specialization. To achieve a Master Specialization, partners must first achieve the advanced specialization in that technology. Partners must then meet stringent requirements that demonstrate their capabilities, and establish a customer success track record in the following three areas:

- **Selling capability:** Sales skills, sales personnel investments, product and solution knowledge, Cisco prescribed demonstration capabilities, and customer references that include Cisco prescribed solution and services.
- **Technical capability:** Additional technical personnel requirements, including additional CCIE certified individuals.
- **Services capability and methodology:** Ability to provide services assessment across the Prepare, Plan, Design, Implement, Operate, and Optimize phases of the Cisco Lifecycle Services approach; ability to meet ISO prescribed skills for specific Cisco services.



CONTACT US.

Feel free to get in touch if you have any questions about Cisco Master Specializations - we'll be delighted to hear from you. You can reach us any time by calling +49 (0)40 25334610 or sending an e-mail to info@flane.de.

Interconnecting Cisco Network Devices 1 (ICND1)

ID CI-ICND1 **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- None



COURSE CONTENT

- Building a Simple Network
- Ethernet Local Area Networks
- Wireless Local Area Networks
- Exploring the Functions of Routing
- Wide Area Networks
- Network Environment Management

SCHEDULE Belgium

Brussels	E 08.02.-12.02.10
Brussels	E 08.03.-12.03.10
Brussels	E 12.04.-16.04.10
Brussels	E 17.05.-21.05.10
Brussels	E 21.06.-25.06.10

SCHEDULE Denmark

Copenhagen	01.03.-05.03.10
Århus	08.03.-12.03.10
Århus	03.05.-07.05.10
Copenhagen	31.05.-04.06.10

SCHEDULE France

Paris	15.02.-19.02.10
Valbonne	08.03.-12.03.10
Toulouse	08.03.-12.03.10
Rennes	15.03.-19.03.10
Lyon	15.03.-19.03.10
Paris	29.03.-02.04.10
Rennes	26.04.-30.04.10
Lyon	26.04.-30.04.10
Toulouse	03.05.-07.05.10
Valbonne	03.05.-07.05.10
Paris	17.05.-21.05.10
Lyon	07.06.-11.06.10
Rennes	07.06.-11.06.10
Valbonne	14.06.-18.06.10
Toulouse	14.06.-18.06.10
Paris	05.07.-09.07.10
Paris	09.08.-13.08.10
Paris	06.09.-10.09.10
Paris	18.10.-22.10.10
Paris	29.11.-03.12.10

SCHEDULE Germany

Munich	E 01.02.-05.02.10
Berlin	01.02.-05.02.10
Leipzig	01.02.-05.02.10
Frankfurt	08.02.-12.02.10
Duesseldorf	08.02.-12.02.10
Stuttgart	15.02.-19.02.10
Munich	15.02.-19.02.10
Hannover	22.02.-26.02.10
Hamburg	22.02.-26.02.10
Dresden	01.03.-05.03.10
Berlin	E 01.03.-05.03.10
Berlin	01.03.-05.03.10
Frankfurt	08.03.-12.03.10
Dortmund	08.03.-12.03.10
Stuttgart	15.03.-19.03.10
Munich	15.03.-19.03.10
Cologne	22.03.-26.03.10
Duesseldorf	22.03.-26.03.10
Hamburg	29.03.-01.04.10
Neumuenster	29.03.-01.04.10
Munich	06.04.-09.04.10
Duesseldorf	12.04.-16.04.10
Frankfurt	12.04.-16.04.10
Hamburg	E 12.04.-16.04.10
Leipzig	19.04.-23.04.10

Berlin	19.04.-23.04.10
Hamburg	26.04.-30.04.10
Neumuenster	26.04.-30.04.10
Cologne	03.05.-07.05.10
Muenster	03.05.-07.05.10
Dortmund	03.05.-07.05.10
Stuttgart	17.05.-21.05.10
Munich	17.05.-21.05.10
Berlin	25.05.-28.05.10
Leipzig	25.05.-28.05.10
Frankfurt	E 25.05.-28.05.10
Hamburg	31.05.-04.06.10
Cologne	07.06.-11.06.10
Duesseldorf	07.06.-11.06.10
Stuttgart	14.06.-18.06.10
Munich	14.06.-18.06.10
Hamburg	21.06.-25.06.10
Hannover	21.06.-25.06.10
Munich	E 21.06.-25.06.10
Berlin	28.06.-02.07.10
Frankfurt	28.06.-02.07.10
Leipzig	05.07.-09.07.10
Berlin	05.07.-09.07.10
Nuremberg	12.07.-16.07.10
Munich	12.07.-16.07.10
Hamburg	19.07.-23.07.10
Neumuenster	19.07.-23.07.10
Frankfurt	26.07.-30.07.10
Stuttgart	26.07.-30.07.10
Berlin	E 26.07.-30.07.10
Berlin	02.08.-06.08.10
Munich	09.08.-13.08.10
Hamburg	16.08.-20.08.10
Hannover	16.08.-20.08.10
Frankfurt	23.08.-27.08.10
Frankfurt	E 30.08.-03.09.10
Dresden	30.08.-03.09.10
Berlin	30.08.-03.09.10
Munich	06.09.-10.09.10
Nuremberg	06.09.-10.09.10
Hamburg	13.09.-17.09.10
Neumuenster	13.09.-17.09.10
Frankfurt	20.09.-24.09.10
Duesseldorf	20.09.-24.09.10
Muenster	20.09.-24.09.10
Berlin	27.09.-01.10.10
Leipzig	27.09.-01.10.10
Cologne	04.10.-08.10.10
Dortmund	04.10.-08.10.10
Hamburg	E 04.10.-08.10.10
Munich	11.10.-15.10.10
Stuttgart	11.10.-15.10.10
Hamburg	18.10.-22.10.10
Neumuenster	18.10.-22.10.10
Berlin	25.10.-29.10.10
Frankfurt	02.11.-05.11.10
Stuttgart	08.11.-12.11.10
Frankfurt	E 08.11.-12.11.10

Munich	08.11.-12.11.10
Frankfurt	08.11.-12.11.10
Neumuenster	15.11.-19.11.10
Hamburg	15.11.-19.11.10
Berlin	22.11.-26.11.10
Dresden	22.11.-26.11.10
Duesseldorf	29.11.-03.12.10
Muenster	29.11.-03.12.10
Dortmund	29.11.-03.12.10
Munich	06.12.-10.12.10
Hamburg	E 06.12.-10.12.10
Nuremberg	06.12.-10.12.10
Frankfurt	13.12.-17.12.10
Berlin	20.12.-24.12.10

SCHEDULE Italy

Milan	08.02.-12.02.10
Rome	22.02.-26.02.10
Milan	08.03.-12.03.10
Rome	22.03.-26.03.10
Milan	12.04.-16.04.10
Rome	26.04.-30.04.10
Naples	10.05.-14.05.10
Milan	17.05.-21.05.10
Rome	07.06.-11.06.10
Milan	14.06.-18.06.10
Rome	05.07.-09.07.10
Milan	12.07.-16.07.10
Naples	06.09.-10.09.10
Rome	13.09.-17.09.10
Milan	04.10.-08.10.10
Rome	18.10.-22.10.10
Milan	08.11.-12.11.10
Rome	22.11.-26.11.10
Naples	29.11.-03.12.10
Milan	13.12.-17.12.10

SCHEDULE Netherlands

Meppel	01.02.-05.02.10
Utrecht	15.02.-19.02.10
Groningen	22.02.-26.02.10
Eindhoven	01.03.-05.03.10
Utrecht	15.03.-19.03.10
Utrecht	12.04.-16.04.10
Amsterdam	19.04.-23.04.10
Utrecht	19.04.-23.04.10
Groningen	17.05.-21.05.10
Utrecht	17.05.-21.05.10
Eindhoven	31.05.-04.06.10
Utrecht	07.06.-11.06.10
Meppel	14.06.-18.06.10

SCHEDULE Spain

Barcelona	15.03.-19.03.10
Madrid	22.03.-26.03.10
Madrid	07.06.-11.06.10
Madrid	20.09.-24.09.10
Barcelona	18.10.-22.10.10
Madrid	29.11.-03.12.10

SCHEDULE Sweden

Gothenburg	01.02.-05.02.10
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Stockholm	01.03.-05.03.10
Gothenburg	17.05.-21.05.10
Stockholm	07.06.-11.06.10

SCHEDULE Switzerland

Zurich	E 01.03.-05.03.10
Zurich	03.05.-07.05.10
Zurich	21.06.-25.06.10
Zurich	02.08.-06.08.10
Zurich	13.09.-17.09.10
Zurich	E 11.10.-15.10.10
Zurich	E 22.11.-26.11.10

SCHEDULE United Kingdom

Washington	E 01.02.-05.02.10
London	E 01.02.-05.02.10
London	E 15.02.-19.02.10
Aberdeen	E 15.02.-19.02.10
Leeds	E 22.02.-26.02.10
Glasgow	E 01.03.-05.03.10
Birmingham	E 08.03.-12.03.10
London	E 08.03.-12.03.10
Milton Keynes	E 15.03.-19.03.10
London	E 22.03.-26.03.10
London	E 12.04.-16.04.10
Manchester	E 12.04.-16.04.10
Reading	E 10.05.-14.05.10
Edinburgh	E 10.05.-14.05.10
London	E 24.05.-28.05.10
Bristol	E 07.06.-11.06.10
Aberdeen	E 07.06.-11.06.10
London	E 07.06.-11.06.10
Leeds	E 14.06.-18.06.10
Glasgow	E 21.06.-25.06.10
Glasgow	E 21.06.-25.06.10
London	E 05.07.-09.07.10
Manchester	E 05.07.-09.07.10
Milton Keynes	E 12.07.-16.07.10
Birmingham	E 12.07.-16.07.10
Washington	E 19.07.-23.07.10
London	E 16.08.-20.08.10
London	E 06.09.-10.09.10
Reading	E 06.09.-10.09.10
London	E 20.09.-24.09.10
Leeds	E 27.09.-01.10.10
Aberdeen	E 27.09.-01.10.10
Manchester	E 04.10.-08.10.10
London	E 04.10.-08.10.10
Glasgow	E 11.10.-15.10.10
Bristol	E 11.10.-15.10.10
London	E 18.10.-22.10.10
Milton Keynes	E 01.11.-05.11.10
Edinburgh	E 08.11.-12.11.10
London	E 08.11.-12.11.10
Birmingham	E 15.11.-19.11.10
London	E 22.11.-26.11.10
London	E 06.12.-10.12.10

E Training in English

Interconnecting Cisco Network Devices 2 (ICND2)

ID CI-ICND2 **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1) course

COURSE CONTENT

- Small Network Implementation
- Medium-Sized Switched Network Construction

- Medium-Sized Routed Network Construction
- Single Area OSPF Implementation
- EIGRP Implementation
- Access Control Lists
- Address Space Management
- LAN Extension in to a WAN

SCHEDULE Belgium		Berlin	26.04.-30.04.10	Milan	03.05.-07.05.10	Zurich	20.09.-24.09.10
Brussels	E 15.03.-19.03.10	Hamburg	03.05.-07.05.10	Rome	24.05.-28.05.10	Zurich	E 18.10.-22.10.10
Brussels	E 19.04.-23.04.10	Cologne	17.05.-21.05.10	Milan	07.06.-11.06.10	Zurich	29.11.-03.12.10
Brussels	E 31.05.-04.06.10	Munich	25.05.-28.05.10	Rome	21.06.-25.06.10	SCHEDULE United Kingdom	
Brussels	E 28.06.-02.07.10	Berlin	31.05.-04.06.10	Milan	05.07.-09.07.10	Edinburgh	E 01.02.-05.02.10
SCHEDULE Denmark		Frankfurt	E 07.06.-11.06.10	Rome	19.07.-23.07.10	Reading	E 08.02.-12.02.10
Copenhagen	08.03.-12.03.10	Berlin	07.06.-11.06.10	Milan	20.09.-24.09.10	London	E 08.02.-12.02.10
Århus	15.03.-19.03.10	Duesseldorf	14.06.-18.06.10	Rome	11.10.-15.10.10	Washington	E 22.02.-26.02.10
Århus	E 17.05.-21.05.10	Hamburg	21.06.-25.06.10	Milan	25.10.-29.10.10	Aberdeen	E 15.03.-19.03.10
Copenhagen	E 07.06.-11.06.10	Hamburg	28.06.-02.07.10	Rome	15.11.-19.11.10	London	E 15.03.-19.03.10
SCHEDULE France		Frankfurt	05.07.-09.07.10	Milan	29.11.-03.12.10	Leeds	E 22.03.-26.03.10
Toulouse	08.02.-12.02.10	Berlin	12.07.-16.07.10	Rome	13.12.-17.12.10	Birmingham	E 19.04.-23.04.10
Paris	08.02.-12.02.10	Munich	19.07.-23.07.10	SCHEDULE Netherlands		Bristol	E 19.04.-23.04.10
Valbonne	22.02.-26.02.10	Hamburg	26.07.-30.07.10	Meppel	08.02.-12.02.10	London	E 19.04.-23.04.10
Paris	15.03.-19.03.10	Berlin	E 02.08.-06.08.10	Amsterdam	08.02.-12.02.10	Glasgow	E 26.04.-30.04.10
Rennes	22.03.-26.03.10	Frankfurt	02.08.-06.08.10	Utrecht	22.02.-26.02.10	Manchester	E 26.04.-30.04.10
Lyon	22.03.-26.03.10	Berlin	09.08.-13.08.10	Groningen	01.03.-05.03.10	London	E 17.05.-21.05.10
Toulouse	29.03.-02.04.10	Munich	16.08.-20.08.10	Eindhoven	08.03.-12.03.10	Edinburgh	E 17.05.-21.05.10
Valbonne	29.03.-02.04.10	Hamburg	23.08.-27.08.10	Utrecht	22.03.-26.03.10	Reading	E 24.05.-28.05.10
Paris	26.04.-30.04.10	Frankfurt	30.08.-03.09.10	Utrecht	19.04.-23.04.10	London	E 14.06.-18.06.10
Lyon	31.05.-04.06.10	Berlin	06.09.-10.09.10	Amsterdam	17.05.-21.05.10	Milton Keynes	E 21.06.-25.06.10
Rennes	31.05.-04.06.10	Munich	13.09.-17.09.10	Utrecht	17.05.-21.05.10	Leeds	E 28.06.-02.07.10
Valbonne	07.06.-11.06.10	Hamburg	20.09.-24.09.10	Groningen	31.05.-04.06.10	Aberdeen	E 05.07.-09.07.10
Toulouse	07.06.-11.06.10	Frankfurt	27.09.-01.10.10	Utrecht	31.05.-04.06.10	Glasgow	E 19.07.-23.07.10
Paris	21.06.-25.06.10	Duesseldorf	27.09.-01.10.10	Eindhoven	07.06.-11.06.10	London	E 19.07.-23.07.10
Paris	02.08.-06.08.10	Berlin	04.10.-08.10.10	Meppel	21.06.-25.06.10	Bristol	E 26.07.-30.07.10
Paris	30.08.-03.09.10	Cologne	11.10.-15.10.10	Utrecht	28.06.-02.07.10	Manchester	E 26.07.-30.07.10
Paris	04.10.-08.10.10	Hamburg	E 11.10.-15.10.10	SCHEDULE Spain		Birmingham	E 09.08.-13.08.10
Paris	22.11.-26.11.10	Munich	18.10.-22.10.10	Madrid	08.02.-12.02.10	London	E 23.08.-27.08.10
SCHEDULE Germany		Stuttgart	18.10.-22.10.10	Madrid	12.04.-16.04.10	Washington	E 06.09.-10.09.10
Hannover	01.02.-05.02.10	Hamburg	25.10.-29.10.10	Barcelona	12.04.-16.04.10	Edinburgh	E 13.09.-17.09.10
Munich	E 08.02.-12.02.10	Berlin	01.11.-05.11.10	Barcelona	31.05.-04.06.10	Reading	E 13.09.-17.09.10
Berlin	08.02.-12.02.10	Frankfurt	08.11.-12.11.10	Madrid	19.07.-23.07.10	Milton Keynes	E 20.09.-24.09.10
Frankfurt	15.02.-19.02.10	Frankfurt	E 15.11.-19.11.10	Madrid	04.10.-08.10.10	London	E 27.09.-01.10.10
Munich	22.02.-26.02.10	Munich	15.11.-19.11.10	Madrid	13.12.-17.12.10	Glasgow	E 18.10.-22.10.10
Hamburg	01.03.-05.03.10	Hamburg	22.11.-26.11.10	SCHEDULE Sweden		London	E 25.10.-29.10.10
Berlin	E 08.03.-12.03.10	Berlin	29.11.-03.12.10	Gothenburg	08.02.-12.02.10	Manchester	E 25.10.-29.10.10
Dortmund	15.03.-19.03.10	Duesseldorf	06.12.-10.12.10	Stockholm	08.03.-12.03.10	Bristol	E 25.10.-29.10.10
Frankfurt	15.03.-19.03.10	Hamburg	E 13.12.-17.12.10	Gothenburg	24.05.-28.05.10	Leeds	E 01.11.-05.11.10
Munich	22.03.-26.03.10	SCHEDULE Italy		Stockholm	14.06.-18.06.10	Aberdeen	E 22.11.-26.11.10
Duesseldorf	29.03.-01.04.10	Rome	01.02.-05.02.10	SCHEDULE Switzerland		Birmingham	E 29.11.-03.12.10
Hamburg	06.04.-09.04.10	Milan	01.03.-05.03.10	Zurich	01.02.-05.02.10	London	E 29.11.-03.12.10
Munich	12.04.-16.04.10	Rome	15.03.-19.03.10	Zurich	19.04.-23.04.10	Milton Keynes	E 13.12.-17.12.10
Frankfurt	19.04.-23.04.10	Milan	29.03.-02.04.10	Zurich	31.05.-04.06.10	E Training in English	
Hamburg	E 19.04.-23.04.10	Rome	19.04.-23.04.10	Zurich	09.08.-13.08.10		

Interconnecting Cisco Network Devices: Accelerated (CCNAX)

ID CI-CCNAX **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

Accelerated preparation for CCNA (Cisco Certified Network Associate) certification

SCHEDULE Bulgaria		Frankfurt	26.04.-30.04.10	Berlin	13.09.-17.09.10	Belgrade	E 01.03.-05.03.10
Sofia	E 15.03.-19.03.10	Dresden	26.04.-30.04.10	Hamburg	20.09.-24.09.10	Belgrade	E 19.07.-23.07.10
Sofia	E 21.06.-25.06.10	Duesseldorf	03.05.-07.05.10	Cologne	27.09.-01.10.10	Belgrade	E 11.10.-15.10.10
SCHEDULE France		Munich	17.05.-21.05.10	Berlin	E 04.10.-08.10.10	SCHEDULE Slovenia	
Paris	08.03.-12.03.10	Hamburg	31.05.-04.06.10	Hannover	11.10.-15.10.10	Ljubljana	E 04.10.-08.10.10
SCHEDULE Germany		Berlin	07.06.-11.06.10	Frankfurt	18.10.-22.10.10	SCHEDULE Spain	
Frankfurt	01.02.-05.02.10	Berlin	E 14.06.-18.06.10	Stuttgart	25.10.-29.10.10	Madrid	01.03.-05.03.10
Cologne	08.02.-12.02.10	Frankfurt	21.06.-25.06.10	Hamburg	08.11.-12.11.10	Madrid	18.10.-22.10.10
Hamburg	15.02.-19.02.10	Stuttgart	21.06.-25.06.10	Duesseldorf	15.11.-19.11.10	SCHEDULE Switzerland	
Berlin	22.02.-26.02.10	Duesseldorf	28.06.-02.07.10	Berlin	22.11.-26.11.10	Zurich	E 22.02.-26.02.10
Frankfurt	E 01.03.-05.03.10	Munich	05.07.-09.07.10	Munich	22.11.-26.11.10	Zurich	17.05.-21.05.10
Stuttgart	08.03.-12.03.10	Berlin	19.07.-23.07.10	Frankfurt	29.11.-03.12.10	Zurich	09.08.-13.08.10
Duesseldorf	15.03.-19.03.10	Hamburg	02.08.-06.08.10	Stuttgart	06.12.-10.12.10	Zurich	E 06.12.-10.12.10
Munich	22.03.-26.03.10	Frankfurt	09.08.-13.08.10	Hamburg	13.12.-17.12.10	SCHEDULE Turkey	
Hamburg	12.04.-16.04.10	Munich	E 16.08.-20.08.10	SCHEDULE Poland		Istanbul	E 26.07.-30.07.10
Berlin	19.04.-23.04.10	Cologne	23.08.-27.08.10	Warsaw	E 26.07.-30.07.10	Istanbul	E 06.12.-10.12.10
Hamburg	E 19.04.-23.04.10	Munich	30.08.-03.09.10	SCHEDULE Serbia		E Training in English	

Implementing Cisco IP Routing (ROUTE)

ID CI-ROUTE **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 1 (ICND1) and Interconnecting Cisco Network Devices 2 (ICND2) courses



COURSE CONTENT

- Planning Routing Services to Requirements
 - Assessing Complex Enterprise Network Requirements
 - Common Maintenance Processes and Procedures
- Implementing an EIGRP based Solution
 - Planning Routing Implementations with EIGRP
 - Implementing and Verifying Basic EIGRP for the Enterprise LAN Architecture
 - Configuring and Verifying EIGRP for the Enterprise WAN Architecture
 - Implementing and Verifying EIGRP Authentication
 - Advanced EIGRP Features in an Enterprise Network
- Implementing a Scalable Multiarea Network OSPF Based Solution
 - Planning Routing Implementations with OSPF as Scalable Routing Protocol
 - How OSPF Packet Processes Work
 - Improving Routing Performance in a Complex Enterprise Network
 - Configuring and Verifying OSPF Routing
 - Configuring and Verifying OSPF Route Summarization
 - Configuring and Verifying OSPF Special Area Types
 - Configuring and Verifying OSPF Authentication
- Implement an IPv4-based Redistribution Solution
 - Assessing Network Routing Performance and Security Issues
 - Operating a Network Using Multiple IP Routing Protocols
 - Configuring and verifying Route Redistribution
- Implementing Path Control
 - Assessing Path Control Network Performance Issues
- Connecting an Enterprise Network to ISP Networks
 - Planning the Enterprise-to-ISP Connection
 - Advantages of Using BGP
 - Comparing the Functions and Uses of EBGP and IBGP
 - Configuring and Verifying Basic BGP Operations
 - BGP Attributes and Path Selection Process

SCHEDULE Belgium

Brussels **E** 22.03.-26.03.10

Brussels **E** 31.05.-04.06.10

SCHEDULE Denmark

Copenhagen 15.03.-19.03.10

Copenhagen 17.05.-21.05.10

Copenhagen 13.09.-17.09.10

Copenhagen 08.11.-12.11.10

SCHEDULE France

Paris 08.03.-12.03.10

Paris 03.05.-07.05.10

Paris 21.06.-25.06.10

SCHEDULE Germany

Leipzig 22.02.-26.02.10

Berlin 01.03.-05.03.10

Hannover 08.03.-12.03.10

Duesseldorf 15.03.-19.03.10

Muenster 15.03.-19.03.10

Frankfurt 22.03.-26.03.10

Hamburg 29.03.-01.04.10

Frankfurt 12.04.-16.04.10

Stuttgart 12.04.-16.04.10

Dresden 19.04.-23.04.10

Frankfurt **E** 19.04.-23.04.10

Munich 26.04.-30.04.10

Nuremberg 03.05.-07.05.10

Berlin 17.05.-21.05.10

Hamburg 07.06.-11.06.10

Hannover 07.06.-11.06.10

Hamburg **E** 14.06.-18.06.10

Leipzig 14.06.-18.06.10

Frankfurt 21.06.-25.06.10

Duesseldorf 28.06.-02.07.10

Muenster 28.06.-02.07.10

Munich 05.07.-09.07.10

Hamburg 12.07.-16.07.10

Hannover 12.07.-16.07.10

Leipzig 19.07.-23.07.10

Berlin 19.07.-23.07.10

Berlin **E** 26.07.-30.07.10

Cologne 02.08.-06.08.10

Frankfurt 16.08.-20.08.10

Berlin 23.08.-27.08.10

Stuttgart 30.08.-03.09.10

Hamburg 06.09.-10.09.10

Duesseldorf 13.09.-17.09.10

Muenster 13.09.-17.09.10

Munich 20.09.-24.09.10

Cologne 20.09.-24.09.10

Hamburg 27.09.-01.10.10

Leipzig 04.10.-08.10.10

Berlin 04.10.-08.10.10

Cologne 11.10.-15.10.10

Frankfurt 11.10.-15.10.10

Frankfurt **E** 18.10.-22.10.10

Stuttgart 18.10.-22.10.10

Berlin 25.10.-29.10.10

Munich 08.11.-12.11.10

Duesseldorf 08.11.-12.11.10

Frankfurt 15.11.-19.11.10

Hannover 22.11.-26.11.10

Hamburg 29.11.-03.12.10

Berlin 06.12.-10.12.10

Munich 13.12.-17.12.10

Nuremberg 13.12.-17.12.10

SCHEDULE Italy

Milan 15.02.-19.02.10

Rome 08.03.-12.03.10

Milan 29.03.-02.04.10

Rome 03.05.-07.05.10

Milan 17.05.-21.05.10

Rome 14.06.-18.06.10

Milan 28.06.-02.07.10

SCHEDULE Netherlands

Amsterdam **E** 22.02.-26.02.10

Utrecht **E** 12.04.-16.04.10

Amsterdam **E** 14.06.-18.06.10

SCHEDULE Spain

Madrid 22.02.-26.02.10

Madrid 19.04.-23.04.10

Barcelona 31.05.-04.06.10

Madrid 28.06.-02.07.10

Madrid 13.09.-17.09.10

Madrid 13.12.-17.12.10

SCHEDULE Sweden

Stockholm 08.03.-12.03.10

Stockholm 03.05.-07.05.10

Stockholm 06.09.-10.09.10

Stockholm 01.11.-05.11.10

SCHEDULE Switzerland

Zurich 12.04.-16.04.10

Zurich 06.06.-10.06.10

Zurich 09.08.-13.08.10

Zurich **E** 04.10.-08.10.10

Zurich 06.12.-10.12.10

SCHEDULE United Kingdom

London **E** 08.03.-12.03.10

Manchester **E** 22.03.-26.03.10

Leeds **E** 12.04.-16.04.10

London **E** 26.04.-30.04.10

Manchester **E** 14.06.-18.06.10

London **E** 21.06.-25.06.10

London **E** 09.08.-13.08.10

London **E** 04.10.-08.10.10

Leeds **E** 25.10.-29.10.10

Manchester **E** 08.11.-12.11.10

London **E** 29.11.-03.12.10

E Training in English

Implementing Cisco IP Switching (SWITCH)

ID CI-SWITCH **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 1 (ICND1) and Interconnecting Cisco Network Devices 2 (ICND2) courses



COURSE CONTENT

- Analyzing Campus Network Designs
- Implementing VLANs in Campus Networks
- Implementing Spanning Tree
- Implementing Inter-VLAN Routing
- Implementing a Highly Available Network
- Implementing Layer 3 High Availability
- Minimizing Service Loss and Data Theft in a Campus Network
- Accommodating Voice and Video in Campus Networks
- Integrating WLANs into a Campus Network

SCHEDULE Belgium	Nuremberg	17.05.-21.05.10	Frankfurt	18.10.-22.10.10	Barcelona	27.09.-01.10.10
Brussels E	Berlin	25.05.-28.05.10	Stuttgart	25.10.-29.10.10	Madrid	15.11.-19.11.10
Brussels E	Hamburg	14.06.-18.06.10	Frankfurt E	25.10.-29.10.10	SCHEDULE Sweden	
SCHEDULE Denmark	Hamburg E	21.06.-25.06.10	Berlin	02.11.-05.11.10	Stockholm	15.03.-19.03.10
Copenhagen	Leipzig	21.06.-25.06.10	Duesseldorf	15.11.-19.11.10	Stockholm	17.05.-21.05.10
Copenhagen	Frankfurt	28.06.-02.07.10	Munich	22.11.-26.11.10	Stockholm	13.09.-17.09.10
Copenhagen	Duesseldorf	05.07.-09.07.10	Frankfurt	29.11.-03.12.10	SCHEDULE Switzerland	
SCHEDULE France	Munich	12.07.-16.07.10	Hamburg	06.12.-10.12.10	Zurich	19.04.-23.04.10
Paris	Hamburg	19.07.-23.07.10	Berlin	13.12.-17.12.10	Zurich	14.06.-18.06.10
Paris	Berlin	26.07.-30.07.10	SCHEDULE Italy		Zurich	16.08.-20.08.10
Paris	Berlin E	02.08.-06.08.10	Milan	01.03.-05.03.10	Zurich E	11.10.-15.10.10
SCHEDULE Germany	Cologne	09.08.-13.08.10	Rome	22.03.-26.03.10	Zurich	13.12.-17.12.10
Duesseldorf	Frankfurt	23.08.-27.08.10	Milan	19.04.-23.04.10	SCHEDULE United Kingdom	
Munich	Berlin	30.08.-03.09.10	Rome	10.05.-14.05.10	Leeds E	15.03.-19.03.10
Berlin	Stuttgart	06.09.-10.09.10	Milan	07.06.-11.06.10	London E	19.04.-23.04.10
Hannover	Hamburg	13.09.-17.09.10	Milan	21.06.-25.06.10	Manchester E	26.04.-30.04.10
Duesseldorf	Duesseldorf	20.09.-24.09.10	SCHEDULE Netherlands		Manchester E	17.05.-21.05.10
Hamburg	Munich	27.09.-01.10.10	Amsterdam E	08.03.-12.03.10	London E	28.06.-02.07.10
Stuttgart	Cologne	27.09.-01.10.10	Utrecht E	19.04.-23.04.10	London E	13.09.-17.09.10
Frankfurt	Hamburg	04.10.-08.10.10	Amsterdam E	28.06.-02.07.10	Leeds E	20.09.-24.09.10
Frankfurt E	Berlin	11.10.-15.10.10	SCHEDULE Spain		Manchester E	15.11.-19.11.10
Dresden	Leipzig	11.10.-15.10.10	Madrid	22.03.-26.03.10	London E	22.11.-26.11.10
Munich	Cologne	18.10.-22.10.10	Madrid	05.07.-09.07.10	E	Training in English

Troubleshooting & Maintaining Cisco IP Networks (TSHOOT)

ID CI-TSHOOT **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Implementing Cisco IP Routing (ROUTE) and Implementing Cisco IP Switching (SWITCH) courses

COURSE CONTENT

- Planning Maintenance for Complex Networks
- Planning Troubleshooting Processes for Complex Enterprise Networks

Networks

- Maintenance & Troubleshooting Tools and Applications
- Maintaining & Troubleshooting Campus Switching Based Solutions
- Maintaining & Troubleshooting Routing Based Solutions
- Maintaining & Troubleshooting Network Security Solutions
- Maintaining & Troubleshooting Integrated, Complex Enterprise Networks

SCHEDULE Belgium	Stuttgart	26.04.-30.04.10	Berlin	18.10.-22.10.10	Stockholm	22.03.-26.03.10
Brussels E	Munich	03.05.-07.05.10	Frankfurt	25.10.-29.10.10	Stockholm	24.05.-28.05.10
Brussels E	Cologne	17.05.-21.05.10	Cologne	25.10.-29.10.10	Stockholm	20.09.-24.09.10
SCHEDULE Denmark	Berlin	31.05.-04.06.10	Frankfurt E	08.11.-12.11.10	Stockholm	15.11.-19.11.10
Copenhagen	Munich	07.06.-11.06.10	Berlin	08.11.-12.11.10	SCHEDULE Switzerland	
Copenhagen	Hamburg	21.06.-25.06.10	Duesseldorf	22.11.-26.11.10	Zurich E	26.04.-30.04.10
Copenhagen	Hamburg E	28.06.-02.07.10	Munich	29.11.-03.12.10	Zurich	21.06.-25.06.10
Copenhagen	Leipzig	28.06.-02.07.10	Frankfurt	06.12.-10.12.10	Zurich E	23.08.-27.08.10
SCHEDULE France	Frankfurt	05.07.-09.07.10	Hamburg	13.12.-17.12.10	Zurich	18.10.-22.10.10
Paris	Munich	19.07.-23.07.10	SCHEDULE Italy		SCHEDULE United Kingdom	
Paris	Hamburg	26.07.-30.07.10	Milan	15.03.-19.03.10	London E	15.03.-19.03.10
Paris	Berlin	02.08.-06.08.10	Rome	12.04.-16.04.10	Leeds E	19.04.-23.04.10
SCHEDULE Germany	Berlin E	09.08.-13.08.10	Milan	03.05.-07.05.10	London E	26.04.-30.04.10
Duesseldorf	Cologne	16.08.-20.08.10	Rome	24.05.-28.05.10	Glasgow E	24.05.-28.05.10
Munich E	Frankfurt	30.08.-03.09.10	Milan	21.06.-25.06.10	London E	14.06.-18.06.10
Munich	Berlin	06.09.-10.09.10	SCHEDULE Netherlands		Manchester E	05.07.-09.07.10
Berlin	Stuttgart	13.09.-17.09.10	Utrecht E	22.03.-26.03.10	London E	09.08.-13.08.10
Hannover	Hamburg	20.09.-24.09.10	Utrecht E	17.05.-21.05.10	London E	27.09.-01.10.10
Duesseldorf	Duesseldorf	27.09.-01.10.10	SCHEDULE Spain		Leeds E	11.10.-15.10.10
Hamburg	Munich	04.10.-08.10.10	Madrid	22.03.-26.03.10	Glasgow E	25.10.-29.10.10
Berlin	Cologne	04.10.-08.10.10	Madrid	27.10.-31.10.10	London E	15.11.-19.11.10
Frankfurt	Hamburg	11.10.-15.10.10	SCHEDULE Sweden		E	Training in English

CCNP Power Workshop (CCNPPW)

ID FL-CCNPPW **Price** 5.990,00 EUR (excl. VAT) **Duration** 12 Days



Accelerated preparation for CCNP (Cisco Certified Network Professional) certification: 12 days, Monday to Saturday

SCHEDULE France	Hamburg	06.09.-18.09.10	
Paris	Frankfurt	18.10.-30.10.10	
SCHEDULE Germany	Munich	06.12.-18.12.10	
Frankfurt	E 01.03.-13.03.10	SCHEDULE Switzerland	
Frankfurt	15.03.-27.03.10	Zurich	E 01.02.-13.02.10
Munich	17.05.-29.05.10	Zurich	04.10.-16.10.10
Berlin	05.07.-17.07.10		
Hamburg	E 09.08.-21.08.10	E Training in English	

Cisco Professionals Troubleshooting (CPT)

ID FL-CPT **Price** 2.400,00 EUR (excl. VAT) **Duration** 5 Days

80% Hands-on Training!

PREREQUISITES

- CCNP certification or comparable experience

- Quality of Service
- Transport Layer (TCP, UDP)
- Application Layer (DHCP, DNS, HTTP)

COURSE CONTENT

- Troubleshooting Models
- Trouble Tickets
- Troubleshooting with IOS Features
- OSI Layer 2: Ethernet; Switching; VLANs; Trunks; Spanning Tree; Frame Relay; PPP
- OSI Layer 3: IP; IPv6; Route Maps; NAT/PAT; ACLs; Routing Protocols (OSPF, EIGRP, BGP); Redistribution
- Remote Access (IPSec, VPN)

SCHEDULE France	Duesseldorf	04.10.-08.10.10	
Paris	Berlin	01.11.-05.11.10	
Paris	Berlin	E 15.11.-19.11.10	
SCHEDULE Germany	Munich	13.12.-17.12.10	
Frankfurt	E 08.03.-12.03.10	SCHEDULE Spain	
Munich	12.04.-16.04.10	Madrid	22.02.-26.02.10
Berlin	E 17.05.-21.05.10	Madrid	21.06.-25.06.10
Berlin	31.05.-04.06.10	Madrid	22.11.-26.11.10
Hamburg	05.07.-09.07.10	SCHEDULE Switzerland	
Frankfurt	09.08.-13.08.10	Zurich	19.04.-23.04.10
Frankfurt	E 16.08.-20.08.10	Zurich	29.11.-03.12.10
Stuttgart	06.09.-10.09.10	E Training in English	

Routing & Switching Solutions for System Engineers (RSSSE)

ID CI-RSSSE **Price** 1.190,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- CCDA certification or comparable experience

- Design an Advanced Technology Ready Organization

COURSE CONTENT

- SONA Overview
- Advanced Technology
- Choose Routing and Switching Solutions

SCHEDULE Germany	Munich	07.10.-08.10.10	
Hamburg	E 25.02.-26.02.10	Frankfurt	09.12.-10.12.10
Munich	08.04.-09.04.10	SCHEDULE Switzerland	
Frankfurt	27.05.-28.05.10	Zurich	20.05.-21.05.10
Berlin	E 01.07.-02.07.10	Zurich	01.12.-02.12.10
Hamburg	26.08.-27.08.10	E Training in English	

Advanced Routing & Switching for Field Engineers (ARSFE)

ID CI-ARSFE **Price** 1.990,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- CCNP certification or comparable experience recommended

COURSE CONTENT

- Advanced Capabilities of Cisco Routers and Switches
- Network Management
- Implement High Availability
- MPLS Implementation

SCHEDULE Germany	Frankfurt	06.12.-08.12.10	
Hamburg	SCHEDULE Switzerland		
Munich	Zurich	08.02.-10.02.10	
Frankfurt	Zurich	17.05.-19.05.10	
Berlin	Zurich	13.09.-15.09.10	
Hamburg	E 23.08.-25.08.10	Zurich	01.12.-03.12.10
Munich	04.10.-06.10.10	E Training in English	



CCIE Routing & Switching Theory Workshop (CCIET)



ID FL-CCIET **Price** 2.250,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

- Implement Layer 2 Technologies
- Implement IPv4
- Implement IPv6
- Implement MPLS Layer 3 VPNs
- Implement IP Multicast
- Implement Network Security
- Implement Network Services
- Implement Quality of Service (QoS)
- Troubleshoot a Network

- Optimize the Network
- Evaluate proposed changes to a Network

SCHEDULE Germany		Munich	27.09.-01.10.10
Berlin	01.02.-05.02.10	Hamburg	01.11.-05.11.10
Frankfurt	15.03.-19.03.10	Hamburg	E 08.11.-12.11.10
Frankfurt	E 22.03.-26.03.10	Frankfurt	13.12.-17.12.10
Munich	26.04.-30.04.10	SCHEDULE Spain	
Hamburg	31.05.-04.06.10	Madrid	19.07.-23.07.10
Hamburg	E 07.06.-11.06.10	SCHEDULE Switzerland	
Berlin	05.07.-09.07.10	Zurich	26.04.-30.04.10
Frankfurt	E 02.08.-06.08.10	Zurich	30.08.-03.09.10
Frankfurt	09.08.-13.08.10	E Training in English	

Cisco 360 Learning Program: CCIE Routing & Switching

The Cisco CCIE 360 Learning Program for Routing & Switching is intended to accelerate the skills and competencies of networking professionals, who have at least three years of experience, to an expert level of expertise. The program offers multiple learning products and services intended to be blended together to provide a customized learning program to prepare for the CCIE R&S lab exam. Components can be matched to each student's skill level, learning preference, and resources for maximum flexibility.

The Cisco 360 Learning Program also includes two hands-on instructor-led classes, Cisco Internetwork Expert Routing & Switching Part 1 & 2.



Cisco Internetwork Expert Routing & Switching 1 (CIERS1)

ID CI-CIERS1 **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days



COURSE CONTENT

- The following topics are covered in this workshop: Frame-Relay, Cisco Catalyst 3550/3560 Essentials (port assignment, trunking, VTP, EtherChannel, Layer 3 Connectivity and Spanning Tree), IGP (OSPF, EIGRP and RIPv2), Redistribution, BGP, IP Multicast, IPv6, Router and Cisco Catalyst 3560 QoS

SCHEDULE Germany		Hamburg	E 29.11.-03.12.10	SCHEDULE Slovenia	
Hamburg	E 01.02.-05.02.10	SCHEDULE Poland		Ljubljana	E 22.03.-26.03.10
Hamburg	08.03.-12.03.10	Warsaw	E 12.04.-16.04.10	Ljubljana	E 31.05.-04.06.10
Hamburg	E 26.04.-30.04.10	SCHEDULE Serbia		Ljubljana	E 29.11.-03.12.10
Hamburg	07.06.-11.06.10	Belgrade	E 22.02.-26.02.10	SCHEDULE Turkey	
Hamburg	E 02.08.-06.08.10	Belgrade	E 07.06.-11.06.10	Istanbul	E 08.03.-12.03.10
Hamburg	27.09.-01.10.10	E Training in English			

Incl. new topics for CCIE R&S Version 4:

- Planning and evaluating network changes
- Implementing performance routing, optimized edge routing, EIGRPv6, filtering and route distribution
- IPv6 Multicast
- MPLS and Layer 3 VPN

Cisco Internetwork Expert Routing & Switching 2 (CIERS2)

ID CI-CIERS2 **Price** 3.390,00 EUR (excl. VAT) **Duration** 5 Days

SCHEDULE Bulgaria		Hamburg	04.10.-08.10.10	SCHEDULE Slovenia	
Sofia	E 01.02.-05.02.10	Hamburg	E 06.12.-10.12.10	Ljubljana	E 29.03.-02.04.10
SCHEDULE Germany		SCHEDULE Poland		Ljubljana	E 07.06.-11.06.10
Hamburg	E 08.02.-12.02.10	Warsaw	E 19.04.-23.04.10	Ljubljana	E 06.12.-10.12.10
Hamburg	15.03.-19.03.10	SCHEDULE Serbia		SCHEDULE Turkey	
Hamburg	E 03.05.-07.05.10	Belgrade	E 22.03.-26.03.10	Istanbul	E 15.03.-19.03.10
Hamburg	14.06.-18.06.10	Belgrade	E 14.06.-18.06.10	E Training in English	
Hamburg	E 09.08.-13.08.10				

Includes more than 16 hours of Instructor Led Training, lab guide and more than 32 hours of assessment labs including instructor time and feedback to provide student mentoring and support

Cisco Catalyst 6500 Training



Advanced Catalyst 6500 Switching (CAT6KS)

ID FL-CAT6KS **Price** 2.690,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNP certification or comparable experience

COURSE CONTENT

- Options and Hardware available for the Catalyst 6500 Switches: Chassis, Line Card, Supervisor, MSFC, PFC, SFM, DFC, Power Supplies, Architecture, Service Modules Overview
- Virtual Switching System 1440 Architecture, Operation and Configuration
- Deploying and Examining IOS Software Modularity
- Recovering the Supervisor Password
- Managing and Upgrading IOS on Catalyst 6500
- VLAN Enhancements: VTP and Trunk Configuration Guidelines and Restrictions
- Spanning Tree, Rapid and Multiple Spanning-Tree Operation
- Spanning-Tree Enhancements: BPDU Guard and Filter, Root Guard, Loop Guard, PortFast, UplinkFast, BackboneFast
- Using Unidirectional Link Detection
- Using EtherChannel including MultiChassis EtherChannel in VSS mode
- Configuring NetFlow and NDE
- Understanding and Implementing Catalyst 6500 QoS options
- Deploying and Examining Embedded Event Manager

- Utilizing Automated Diagnostics
- Implementing SPAN, RSPAN, and ERSPAN
- Implementing High Availability Features (HSRP, FHRP, VRRP, GLBP)
- Implementing Catalyst 6500 Stateful Switchover options
- Network Security Enhancements



SCHEDULE France		Munich	25.10.-29.10.10
Paris	01.03.-05.03.10	Frankfurt	E 15.11.-19.11.10
Paris	23.08.-27.08.10	Frankfurt	22.11.-26.11.10
SCHEDULE Germany		Hamburg	13.12.-17.12.10
Hamburg	01.02.-05.02.10	SCHEDULE Poland	
Berlin	01.03.-05.03.10	Warsaw	E 08.02.-12.02.10
Frankfurt	06.04.-09.04.10	SCHEDULE Slovenia	
Munich	E 26.04.-30.04.10	Ljubljana	E 30.08.-03.09.10
Munich	03.05.-07.05.10	SCHEDULE Spain	
Berlin	07.06.-11.06.10	Madrid	24.05.-28.05.10
Hamburg	E 21.06.-25.06.10	Madrid	12.07.-16.07.10
Hamburg	28.06.-02.07.10	Madrid	08.11.-12.11.10
Stuttgart	05.07.-09.07.10	SCHEDULE Switzerland	
Duesseldorf	E 26.07.-30.07.10	Zurich	22.02.-26.02.10
Duesseldorf	02.08.-06.08.10	Zurich	31.05.-04.06.10
Berlin	30.08.-03.09.10	Zurich	09.08.-13.08.10
Hamburg	E 20.09.-24.09.10	Zurich	01.11.-05.11.10
Hamburg	27.09.-01.10.10	E Training in English	

Catalyst 6500 & Cisco 7600 Series Routers Firewall Services Module Deployment (FWSMD)

ID FL-FWSMD **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Experience of configuring Cisco IOS Software
- CCNA certification or similar knowledge
- Basic knowledge of Windows Operating systems
- Familiarity with Network and Security Concepts

COURSE CONTENT

- Catalyst 6500 Family and overview over Advanced Services Modules
- Firewall Services
- Configuration of the switch for the FWSM
- Implementing the FWSM
- Translations and Connections
- Access Control Lists and Content Filtering
- Grouping of objects
- IP Routing
- Cisco Modular Policy Framework
- Advanced Protocol Handling
- Transparent Firewall Mode
- Cisco Adaptive Security Device Manager



- Authentication, Authorization and Accounting
- Deployment of the FWSM within multiple contexts
- Failover
- FWSM Management
- Site-to-Site and Remote Access VPN for FWSM Remote Management
- FWSM Troubleshooting
- Cisco Security Manager

SCHEDULE Belgium		Hamburg	E 15.11.-19.11.10
Brussels	E 01.03.-05.03.10	Munich	06.12.-10.12.10
Brussels	E 07.06.-11.06.10	SCHEDULE Netherlands	
SCHEDULE Germany		Utrecht	E 01.02.-05.02.10
Hamburg	08.02.-12.02.10	Utrecht	E 17.05.-21.05.10
Berlin	E 08.03.-12.03.10	SCHEDULE Poland	
Frankfurt	29.03.-01.04.10	Warsaw	E 26.04.-30.04.10
Munich	E 19.04.-23.04.10	SCHEDULE Slovenia	
Hamburg	26.04.-30.04.10	Ljubljana	E 19.04.-23.04.10
Berlin	17.05.-21.05.10	SCHEDULE Spain	
Duesseldorf	14.06.-18.06.10	Madrid	06.09.-10.09.10
Munich	12.07.-16.07.10	SCHEDULE Switzerland	
Hamburg	23.08.-27.08.10	Zurich	15.02.-19.02.10
Berlin	E 13.09.-17.09.10	Zurich	E 03.05.-07.05.10
Frankfurt	04.10.-08.10.10	Zurich	23.08.-27.08.10
Berlin	08.11.-12.11.10	E Training in English	

Cisco Data Center Training



Data Center Architectural Overview (DCAO)

ID FL-DCAO **Price** 590,00 EUR (excl. VAT) **Duration** 1 Day

PREREQUISITES

- An understanding of Data Center LAN and SAN architectures would be an advantage

COURSE CONTENT

- Data Center Architecture: Cisco Data Center 3.0 Architectures; Core, Aggregation and Access Layers; Redundant SAN Architecture; FCoE Overview; Unified I/O and Data Center Bridging (DCB); NX-OS and Management
- Nexus 7000 – Core Switch: Overview of Nexus 7010 and 7018; Nexus 7000 Supervisor and Linecards; Nexus 7000 Core Layer Deployment; Nexus 7000 Aggregation Layer Deployment; Aggregation Layer Services, ACE, FWSM, IDSM-2; VDC Operation and Management
- Nexus 5000 – Access Layer Switch: Overview of Nexus 5010 and 5020; Nexus 5000 Access Layer Deployment; TOR versus EOR switches; CNAs and server connectivity; VN-Tag and VN-Link
- Nexus 2000 – Fabric Extender (FEX): Overview; Connecting Legacy Servers through the FEX
- Nexus 4000 – FCoE Blade Switch: Overview; Connecting legacy Blade Servers to the Nexus 5000

- Nexus 1000V: Virtual Server Overview; VMware Overview, Vmotion, DRS, HA; vSphere, vSwitch and DVS; Nexus 1000V Extended Access Layer; Deployment and Strategy; Nexus 1000V Architecture, VSM, VEM and DVS; Nexus 1000V Management
- Unified Computing System: UCS Overview; UCS Architecture and Deployment; Service Profiles; UCS Manager; BMC Bladelogic and Service Orchestration
- Case Study – Building a Data Center with Nexus and UCS



SCHEDULE Belgium	Munich	24.06.10	SCHEDULE Netherlands		
Brussels E 01.03.10	Duesseldorf	05.08.10	Utrecht E 08.03.10		
SCHEDULE Germany	Stuttgart	30.09.10	Utrecht E 12.05.10		
Hamburg	Hamburg E	04.11.10			
Berlin	Berlin	02.12.10			
Frankfurt E		25.05.10			E Training in English

Cisco Nexus Overview Workshop (CNOW)

ID FL-CNOW **Price** 590,00 EUR (excl. VAT) **Duration** 1 Day

PREREQUISITES

- CCNA Certification or equivalent knowledge

COURSE CONTENT

- Cisco Nexus Family Overview: Nexus 7000; Nexus 5000; Nexus 2000; Nexus 1000V; NX-OS
- The Nexus 5000 Series Switch: Data Center challenges; I/O Consolidation; Nexus 5000 Architecture Overview; FCoE Server Adapters; Management of the Nexus 5000
- The Nexus 2000 Fabric Extender: Architecture of the Access Switch; Nexus 2000 Access Layer Design
- The Nexus 1000V Virtual Switch: Overview of the Virtual Environment; VN-Link; VM Provisioning
- The Nexus 7000 Core Switch: Data Center Core Requirements; Nexus 7000 Deployment, Nexus 7000 Integrated Core
- Virtual Data Center Architecture: Data Center Network Overview; Access Layer Designs



SCHEDULE Denmark	Berlin	29.03.10	Munich	14.12.10	
Copenh. E 03.05.10	Munich E	23.04.10	SCHEDULE Netherlands		
Copenh. E 14.06.10	Frankfurt	10.05.10	Utrecht E 29.03.10		
SCHEDULE Italy	Berlin	04.06.10	Utrecht E 02.07.10		
Milan	Munich	22.06.10	SCHEDULE Sweden		
Rome	Hamburg E	16.07.10	Stockholm E 02.02.10		
Milan	Duesseldorf	03.08.10	Stockholm E 10.05.10		
Rome	Frankfurt	10.09.10	Stockholm E 21.06.10		
SCHEDULE Germany	Stuttgart	28.09.10			
Hamburg	Hamburg E	02.11.10			
Frankfurt	Berlin	30.11.10			E Training in English

Implementing Data Center Networks Using the Cisco Nexus 1000V Switch (IDCN1V)

ID FL-IDCN1V **Price** 1.390,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- Intermediate knowledge of switching, routing and data center architectures and protocols, as well as an understanding of server virtualization techniques

COURSE CONTENT

- Modern Server Architecture Scalability & Consolidation
- Network Virtualization & Consolidation in DC Bridging Networks
- Data Center Application High-Availability
- NIV on ESX using Cisco Nexus Hardware Switches
- Nexus 1000 VEM (NX-OS) Features & Functions
- Nexus 1000V Switching Mechanisms
- Overview of the Nexus 1000 VSM

- VM Policy-based Connectivity & Mobility using Nexus 1000V
- Utilize Cisco NX-OS based End-to-End QoS Concepts & Enforcement
- Configure the Nexus 1000V System Management & Monitoring Features
- Configure VM Security Features Using the Nexus 1000V

LAB EXERCISES

- Installing the Nexus 1000V VSM & ESM
- Configuring policy-based VM connectivity
- Configuring Nexus 1000V Security
- Configuring Nexus 1000V QoS

SCHEDULE Belgium	Duesseldorf	07.06.-08.06.10	SCHEDULE Italy	Rome	25.03.-26.03.10	SCHEDULE Slovenia	Ljubljana	E 25.02.-26.02.10
Brussels	Hamburg	E 28.06.-29.06.10	Milan	27.05.-28.05.10	Ljubljana	E 15.03.-16.03.10		
Brussels	Berlin	19.07.-20.07.10	Rome	14.10.-15.10.10	SCHEDULE Sweden	Stockholm	E 29.03.-30.03.10	
SCHEDULE Denmark	Munich	E 09.08.-10.08.10	Milan	25.11.-26.11.10	Stockholm	E 03.05.-04.05.10		
Copenhagen	Frankfurt	30.08.-31.08.10	SCHEDULE Netherlands	Utrecht	E 08.03.-09.03.10	SCHEDULE United Kingdom	Windsor	E 04.03.-05.03.10
Copenhagen	Berlin	E 20.09.-21.09.10	Utrecht	E 03.05.-04.05.10				
SCHEDULE Germany	Stuttgart	11.10.-12.10.10	SCHEDULE Poland	Warsaw	E 08.02.-09.02.10			
Berlin	Hamburg	25.10.-26.10.10	Warsaw	E 14.06.-15.06.10				E Training in English
Munich	Munich	08.11.-09.11.10						
Frankfurt	Frankfurt	E 22.11.-23.11.10						
Stuttgart	Berlin	06.12.-07.12.10						

Implementing Data Center Networks Using the Cisco Nexus 5000 Switch & 2000 Fabric Extender (IDCN5K)

ID FL-IDCN5K **Price** 1.990,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Intermediate knowledge of switching, routing and data center architectures and protocols, as well as an understanding of server virtualization techniques

COURSE CONTENT

- Fibre Channel Protocol Implementation on the Cisco Nexus 5000
- FCoE & DCB Protocols & their Applicability to a Unified Fabric Environment
- DCB/FCoE Network Design Considerations
- Configure the Nexus 5000 in Converged Network Environments
- Nexus 5000 System Hardware & Software Architecture
- Nexus 5000 Software Features & Licensing
- Configure Server Connectivity to the FCoE/DCB Network Using Converged Network Adapters
- Nexus 5000 High-Availability Features
- Configure the Nexus 5000 Management & Monitoring Features

- Nexus 2000 Hardware Architecture & Operational Features
- Relationship Between the Nexus 5000 & 2000 Product Families
- Configure Advanced Features Including Congestion Avoidance, Traffic Management, Static & Dynamic Pinning
- Utilize the Fabric & Device Manager Products to Perform Discovery, Configuration, Management & Troubleshooting

LAB EXERCISES

- Nexus 5000 Hardware Discovery & System Management
- Configure the Nexus 5000 for Dual-Homing Using the Virtual Port-Channel Feature
- Configure DCB using the Nexus 5000
- Configure the Nexus 5000 in NPV Mode
- Configure Nexus 5000 Traffic Management & QoS & Monitor FCoE Performance Using Ethalyzer & SPAN with Wireshark
- Configure Nexus 5000 Security Features

SCHEDULE Belgium	Stuttgart	05.05.-07.05.10	Frankfurt	E 24.11.-26.11.10	Warsaw	E 16.06.-18.06.10	
Brussels	Duesseldorf	09.06.-11.06.10	SCHEDULE Italy	Rome	22.03.-24.03.10	SCHEDULE Slovenia	
Brussels	Hamburg	E 30.06.-02.07.10	Milan	24.05.-26.05.10	Ljubljana	E 10.02.-12.02.10	
SCHEDULE Denmark	Berlin	21.07.-23.07.10	Rome	11.10.-13.10.10	Ljubljana	E 17.03.-19.03.10	
Copenhagen	Munich	E 11.08.-13.08.10	Milan	22.11.-24.11.10	SCHEDULE Sweden	Stockholm	E 07.04.-09.04.10
Copenhagen	Frankfurt	01.09.-03.09.10	SCHEDULE Netherlands	Utrecht	E 06.04.-08.04.10	Stockholm	E 05.05.-07.05.10
SCHEDULE Germany	Berlin	E 22.09.-24.09.10	Utrecht	E 07.06.-09.06.10	SCHEDULE United Kingdom	Windsor	E 01.03.-03.03.10
Berlin	Stuttgart	13.10.-15.10.10	SCHEDULE Poland				E Training in English
Munich	Hamburg	27.10.-29.10.10					
Frankfurt	Munich	10.11.-12.11.10					

Implementing Data Center Networks Using the Cisco Nexus 7000 Switch (IDCN7K)

ID FL-IDCN7K **Price** 1.990,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Intermediate knowledge of switching, routing and storage architectures and protocols, as well as an understanding of server virtualization techniques

COURSE CONTENT

- Understanding the Cisco Nexus 7000 Series Switches
- Overview of the Cisco Nexus 7000
- Introducing the Virtual Device Contexts in the Cisco Nexus 7000
- Managing the Cisco Nexus 7000
- Cisco Nexus 7000 and Cisco NX-OS Layer 2 Protocols and Features
- Cisco Nexus 7000 and Cisco NX-OS Layer 3 Protocols and Features
- Cisco Nexus 7000 and Cisco NX-OS Quality of Service
- Cisco Nexus 7000 and Cisco NX-OS Security
- Troubleshooting

LAB EXERCISES

- Nexus 7000 Hardware Platform
- Managing System Configuration
- Creating Virtual Device Contexts (VDCs)
- Layer 2 Switching
- First-Hop Redundancy Protocols
- Configuring Routing Protocols
- Quality of Service (QoS)
- NX-OS Security
- Data Center Network Manager (DCNM)
- NX-OS Troubleshooting Methods



SCHEDULE Belgium		Munich	14.07.-16.07.10
Brussels	E 21.06.-23.06.10	Duesseldorf	04.08.-06.08.10
Brussels	E 23.06.-25.06.10	Berlin	25.08.-27.08.10
SCHEDULE Germany		Frankfurt	E 15.09.-17.09.10
Frankfurt	E 03.02.-05.02.10	Hamburg	06.10.-08.10.10
Hamburg	24.02.-26.02.10	Munich	27.10.-29.10.10
Berlin	17.03.-19.03.10	Duesseldorf	E 17.11.-19.11.10
Munich	07.04.-09.04.10	Hamburg	08.12.-10.12.10
Stuttgart	E 28.04.-30.04.10	SCHEDULE Netherlands	
Hamburg	10.05.-12.05.10	Amsterdam	E 26.04.-28.04.10
Frankfurt	31.05.-02.06.10	Amsterdam	E 26.05.-28.05.10
Berlin	E 23.06.-25.06.10	E Training in English	

Fiber Channel over Ethernet Overview (FCOE)

ID FL-FCOE **Price** 990,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- CCNA Certification or equivalent knowledge



COURSE CONTENT

- FC Protocol Introduction
- FCoE Protocol and DCB Introduction
- Converged Network Adapters for DCB connectivity
- DCB/FCoE Network Character and Design Consideration
- Interface Virtualization and VEB for Virtualization environment
- FCoE and DCB congestion management plane virtualization
- High Availability with Cisco FCF - Features Review
- FCoE in the Future

SCHEDULE Belgium		Duesseldorf	02.08.-03.08.10
Brussels	E 02.03.-03.03.10	Berlin	23.08.-24.08.10
SCHEDULE Germany		Frankfurt	13.09.-14.09.10
Frankfurt	E 01.02.-02.02.10	Hamburg	04.10.-05.10.10
Hamburg	22.02.-23.02.10	Munich	25.10.-26.10.10
Berlin	15.03.-16.03.10	Duesseldorf	E 15.11.-16.11.10
Munich	31.03.-01.04.10	Hamburg	06.12.-07.12.10
Stuttgart	E 26.04.-27.04.10	SCHEDULE Netherlands	
Frankfurt	25.05.-26.05.10	Utrecht	E 09.03.-10.03.10
Berlin	E 21.06.-22.06.10	Utrecht	E 10.05.-11.05.10
Munich	12.07.-13.07.10	E Training in English	

Implementing Cisco Data Center Network Infrastructure 1 (DCNI-1)

ID CI-DCNI-1 **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNP or CCIE Routing & Switching certification status or equivalent knowledge

COURSE CONTENT

- Implementing the Catalyst 6500 ,4900 and Blade Switches
- Implementing FWSM for a Data Center Network Infrastructure
- Implementing Network Analysis with NAM
- Implementing High Availability Data Center Features

SCHEDULE Belgium Brussels E 01.02.-05.02.10 Brussels E 03.05.-07.05.10	SCHEDULE Bulgaria Sofia E 15.02.-19.02.10 Sofia E 11.10.-15.10.10	SCHEDULE Denmark Copenhagen E 15.02.-19.02.10 Copenhagen E 22.03.-26.03.10 Copenhagen E 31.05.-04.06.10	SCHEDULE France Paris 22.02.-26.02.10 Valbonne 12.04.-16.04.10 Paris 21.06.-25.06.10 Paris 20.09.-24.09.10	SCHEDULE Germany Hamburg E 08.02.-12.02.10 Hamburg 22.02.-26.02.10 Berlin 22.03.-26.03.10 Frankfurt 12.04.-16.04.10 Frankfurt E 19.04.-23.04.10 Stuttgart 17.05.-21.05.10 Hamburg 14.06.-18.06.10 Duesseldorf 12.07.-16.07.10 Duesseldorf E 19.07.-23.07.10 Frankfurt 16.08.-20.08.10 Munich 13.09.-17.09.10 Berlin 11.10.-15.10.10 Berlin E 18.10.-22.10.10 Hamburg 08.11.-12.11.10 Frankfurt 06.12.-10.12.10	SCHEDULE Italy Rome 29.03.-02.04.10 Milan 17.05.-21.05.10 Rome 27.09.-01.10.10 Milan 15.11.-19.11.10	SCHEDULE Netherlands Utrecht E 22.03.-26.03.10 Utrecht E 31.05.-04.06.10	SCHEDULE Poland Warsaw E 22.03.-26.03.10 Warsaw E 25.10.-29.10.10	SCHEDULE Serbia Belgrade E 10.05.-14.05.10	SCHEDULE Slovenia Ljubljana E 01.03.-05.03.10 Ljubljana E 16.08.-20.08.10	SCHEDULE Spain Madrid 01.03.-05.03.10 Madrid 05.07.-09.07.10 Madrid 29.11.-03.12.10	SCHEDULE Sweden Stockholm E 15.02.-19.02.10 Stockholm E 22.03.-26.03.10 Stockholm E 07.06.-11.06.10	SCHEDULE Switzerland Zurich E 08.02.-12.02.10 Zurich 03.05.-07.05.10 Zurich 13.09.-17.09.10 Zurich 20.12.-24.12.10	SCHEDULE United Kingdom Windsor E 01.02.-05.02.10 Windsor E 12.04.-16.04.10 E Training in English
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Implementing Cisco Data Center Network Infrastructure 2 (DCNI-2)

ID CI-DCNI-2 **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days



PREREQUISITES

- Interconnecting Cisco Network Devices 2 (ICND2), Building Cisco Multilayer Switched Networks (BCMSN), Building Scalable Cisco Internetworks (BSCI) and Implementing Secure Converged Wide Area Networks (ISCW) courses

- Using the Cisco Nexus 5000 & 2000 in Data Center Networks
- Overview of the Cisco Nexus 5000 & Cisco Nexus 2000
- Understanding Fibre Channel
- Implementing an FCoE Network Using Cisco Nexus 5000 Switches

COURSE CONTENT

- Using the Cisco Nexus 7000 in Data Center Networks
 - Understanding the Cisco Nexus 7000 Series Switches
 - Overview of the Cisco Nexus 7000
 - Introducing the Virtual Device Contexts in the Cisco Nexus 7000
 - Managing the Cisco Nexus 7000
 - Cisco Nexus 7000 & Cisco NX-OS Layer 2 Protocols & Features
 - Cisco Nexus 7000 & Cisco NX-OS Layer 3 Protocols & Features
 - Cisco Nexus 7000 & Cisco NX-OS Quality of Service
 - Cisco Nexus 7000 & Cisco NX-OS Security
 - Troubleshooting



SCHEDULE Belgium Brussels E 01.02.-05.02.10 Brussels E 17.05.-21.05.10	SCHEDULE Bulgaria Sofia E 18.10.-22.10.10	SCHEDULE Denmark Copenhagen E 22.02.-26.02.10 Copenhagen E 05.04.-09.04.10 Copenhagen E 07.06.-11.06.10	SCHEDULE France Paris 22.03.-26.03.10 Paris 26.07.-30.07.10 Paris 18.10.-22.10.10	SCHEDULE Germany Munich 01.02.-05.02.10 Hamburg E 15.02.-19.02.10	SCHEDULE Italy Hamburg 01.03.-05.03.10 Berlin 29.03.-01.04.10 Frankfurt 19.04.-23.04.10 Frankfurt E 26.04.-30.04.10 Stuttgart 25.05.-28.05.10 Hamburg 21.06.-25.06.10 Hamburg E 28.06.-02.07.10 Duesseldorf 26.07.-30.07.10 Frankfurt 23.08.-27.08.10 Munich 20.09.-24.09.10 Hamburg E 27.09.-01.10.10 Berlin 18.10.-22.10.10 Hamburg 15.11.-19.11.10 Frankfurt 13.12.-17.12.10	SCHEDULE Italy Milan 14.06.-18.06.10 Rome 25.10.-29.10.10 Milan 13.12.-17.12.10	SCHEDULE Netherlands Utrecht E 08.02.-12.02.10 Utrecht E 19.04.-23.04.10 Utrecht E 14.06.-18.06.10	SCHEDULE Poland Warsaw E 29.03.-02.04.10 Warsaw E 15.11.-19.11.10	SCHEDULE Serbia Belgrade E 17.05.-21.05.10	SCHEDULE Slovenia Ljubljana E 08.03.-12.03.10 Ljubljana E 23.08.-27.08.10	SCHEDULE Spain Madrid 15.03.-19.03.10 Madrid 19.07.-24.07.10 Madrid 13.12.-18.12.10	SCHEDULE Sweden Stockholm E 22.03.-26.03.10 Stockholm E 12.04.-16.04.10 Stockholm E 14.06.-18.06.10	SCHEDULE Switzerland Zurich 08.03.-12.03.10 Zurich 14.06.-18.06.10 Zurich 18.10.-22.10.10	SCHEDULE United Kingdom Windsor E 15.02.-19.02.10 London E 12.04.-16.04.10 Windsor E 19.04.-23.04.10 E Training in English
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Data Center Network Infrastructure Design (DCNID)

ID CI-DCNID **Price** 3.290,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Designing for Cisco Internetwork Solutions (DESGN), Implementing Cisco IOS Network Security (IINS) and Security Solutions for System Engineers (SSSE) courses

COURSE CONTENT

- Data Center Objectives: Key Data Center Concerns and Objectives; Data Center Environmental Requirements; Data Center Networking Components: Cisco Platforms and Modules
- Cisco Nexus 7010 Switch: Hardware Architecture; Software Architecture; Continual Availability; Network Management; Security Overview; QoS implementation on NX 7010; Cisco Nexus 7010 position in the DC network
- Cisco Nexus 5000 Switch: Introduction to Fibre Channel over Ethernet (FCoE); Introduction to Cisco Nexus 5000 Switch; Cisco Nexus 5000 Switch Design Overview
- Data Center Design: Overview; Data Center Application Design

SCHEDULE Belgium

Brussels **E** 29.03.-02.04.10
Brussels **E** 07.06.-11.06.10

SCHEDULE Bulgaria

Sofia **E** 08.03.-12.03.10

SCHEDULE Denmark

Copenhagen **E** 05.07.-09.07.10

SCHEDULE France

Paris 03.05.-07.05.10

Paris 04.10.-08.10.10

SCHEDULE Germany

Berlin 15.02.-19.02.10

Munich 08.03.-12.03.10

Frankfurt 06.04.-09.04.10

Stuttgart 03.05.-07.05.10

Munich **E** 25.05.-28.05.10

Duesseldorf 07.06.-11.06.10

Hamburg 05.07.-09.07.10

Berlin 09.08.-13.08.10

Hamburg **E** 30.08.-03.09.10

Frankfurt 13.09.-17.09.10

Munich 04.10.-08.10.10

Berlin **E** 08.11.-12.11.10

SCHEDULE Italy

Milan **E** 08.03.-12.03.10

Rome **E** 10.05.-14.05.10

Milan **E** 20.09.-24.09.10

SCHEDULE Netherlands

Utrecht **E** 22.02.-26.02.10

Utrecht **E** 17.05.-21.05.10

SCHEDULE Poland

Warsaw **E** 22.02.-26.02.10

Warsaw **E** 26.04.-30.04.10

SCHEDULE Serbia

Belgrade **E** 18.10.-22.10.10

SCHEDULE Slovenia

Ljubljana **E** 15.03.-19.03.10

SCHEDULE Spain

Madrid 15.02.-19.02.10

Madrid 05.07.-09.07.10

SCHEDULE Sweden

Stockholm **E** 08.02.-12.02.10

Stockholm **E** 28.06.-02.07.10

SCHEDULE Switzerland

Zurich **E** 08.02.-12.02.10

Zurich 03.05.-07.05.10

SCHEDULE Turkey

Istanbul **E** 22.03.-26.03.10

SCHEDULE United Kingdom

London **E** 08.02.-12.02.10

E Training in English

Designing Data Center Application Services (DCASD)

ID CI-DCASD **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Basic understanding of the following topics: The TCP/IP protocol, the HTTP and SSL protocols, N-tier application architecture, Server load-balancing

COURSE CONTENT

- Data Center Application Services Overview
- Designing Server Load Balancing Solutions
- Designing Web Application Acceleration Solutions
- Designing Site-to-Site Load Balancing Solutions
- Optimizing the DCAS Solution

SCHEDULE Belgium

Brussels **E** 22.02.-26.02.10

Brussels **E** 31.05.-04.06.10

SCHEDULE France

Paris 17.05.-21.05.10

Paris 11.10.-15.10.10

SCHEDULE Germany

Munich **E** 08.02.-12.02.10

Hamburg 01.03.-05.03.10

Munich 26.04.-30.04.10

Frankfurt 07.06.-11.06.10

Frankfurt **E** 21.06.-25.06.10

Hamburg 26.07.-30.07.10

Munich 13.09.-17.09.10

Munich **E** 27.09.-01.10.10

SCHEDULE Italy

Rome **E** 22.02.-26.02.10

Milan **E** 12.04.-16.04.10

Rome **E** 05.07.-09.07.10

Milan **E** 04.10.-08.10.10

SCHEDULE Netherlands

Utrecht **E** 15.03.-19.03.10

Utrecht **E** 07.06.-11.06.10

SCHEDULE Poland

Warsaw **E** 08.03.-12.03.10

SCHEDULE Serbia

Belgrade **E** 01.11.-05.11.10

SCHEDULE Slovenia

Ljubljana **E** 05.07.-09.07.10

SCHEDULE Spain

Madrid 07.06.-11.06.10

SCHEDULE Sweden

Stockholm **E** 22.03.-26.03.10

Stockholm **E** 21.06.-25.06.10

SCHEDULE Switzerland

Zurich **E** 29.03.-02.04.10

Zurich 14.06.-18.06.10

SCHEDULE Turkey

Istanbul **E** 12.04.-16.04.10

SCHEDULE United Kingdom

Windsor **E** 22.03.-26.03.10

E Training in English

Implementing Data Center Application Services (DCASI)

ID CI-DCASI **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Basic understanding of the following topics: The TCP/IP protocol, the HTTP and SSL protocols, N-tier application architecture, Server load-balancing

COURSE CONTENT

- Data Center Application Services Overview
- Implementing Server Load Balancing
- Implementing Web Application Acceleration
- Implementing Site-to-Site Load Balancing
- Redundancy and Troubleshooting



SCHEDULE Belgium

Brussels **E** 21.06.-25.06.10

SCHEDULE France

Paris 07.06.-11.06.10

Paris 15.11.-19.11.10

SCHEDULE Germany

Munich **E** 15.02.-19.02.10

Hamburg 08.03.-12.03.10

Munich 03.05.-07.05.10

Frankfurt **E** 28.06.-02.07.10

Hamburg 02.08.-06.08.10

Munich **E** 04.10.-08.10.10

SCHEDULE Italy

Milan **E** 15.03.-19.03.10

Rome **E** 21.06.-25.06.10

SCHEDULE Netherlands

Utrecht **E** 12.04.-16.04.10

Utrecht **E** 28.06.-02.07.10

SCHEDULE Poland

Warsaw **E** 15.03.-19.03.10

SCHEDULE Serbia

Belgrade **E** 04.10.-08.10.10

SCHEDULE Slovenia

Ljubljana **E** 08.02.-12.02.10

Ljubljana **E** 07.06.-11.06.10

SCHEDULE Spain

Madrid 24.05.-28.05.10

SCHEDULE Sweden

Stockholm **E** 08.03.-12.03.10

Stockholm **E** 05.07.-09.07.10

SCHEDULE Switzerland

Zurich **E** 01.02.-05.02.10

Zurich 03.05.-07.05.10

SCHEDULE Turkey

Istanbul **E** 26.04.-30.04.10

SCHEDULE United Kingdom

Windsor **E** 15.03.-19.03.10

E Training in English

Implementing Cisco Storage Networking Solutions (ICSNS)

ID CI-ICSNS **Price** 2.890,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Basic understanding of data storage hardware components and protocols, including SCSI and Fibre Channel

COURSE CONTENT

- MDS 9000 Platform Overview
- System Installation and Initial Configuration
- Building Virtual SANs
- Managing SAN Traffic
- Implementing FCIP
- Troubleshooting Tools and Scenarios



SCHEDULE Denmark	Utrecht	E 01.02.-05.02.10
Copenhagen	Utrecht	E 19.04.-23.04.10
SCHEDULE France	Utrecht	E 21.06.-25.06.10
Paris	SCHEDULE Poland	
SCHEDULE Germany	Warsaw	E 10.05.-14.05.10
Berlin	SCHEDULE Serbia	
Berlin	Belgrade	E 06.12.-10.12.10
Frankfurt	SCHEDULE Slovenia	
Munich	Ljubljana	E 17.05.-21.05.10
Frankfurt	SCHEDULE Spain	
Hamburg	Madrid	12.04.-16.04.10
Berlin	Madrid	13.09.-17.09.10
Munich	SCHEDULE Sweden	
Frankfurt	Stockholm	E 08.03.-12.03.10
Munich	SCHEDULE Switzerland	
Hamburg	Zurich	E 01.02.-05.02.10
Hamburg	Zurich	03.05.-07.05.10
Berlin	Zurich	13.09.-17.09.10
SCHEDULE Italy	Zurich	13.12.-17.12.10
Milan	SCHEDULE United Kingdom	
Rome	London	E 12.04.-16.04.10
Milan	London	E 04.10.-08.10.10
SCHEDULE Netherlands		E Training in English

Implementing Cisco Advanced Storage Networking Solutions (IASNS)

ID CI-IASNS **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Implementing Cisco Storage Networking Solutions (ICSNS)

COURSE CONTENT

- Building Enterprise SAN Fabrics
- Implementing Management and Security Services
- Advanced Troubleshooting
- Implementing iSCSI

SCHEDULE Belgium	Berlin	18.10.-22.10.10
Brussels	Frankfurt	22.11.-26.11.10
SCHEDULE Bulgaria	Frankfurt	E 29.11.-03.12.10
Sofia	Hamburg	13.12.-17.12.10
SCHEDULE Denmark	SCHEDULE Netherlands	
Copenhagen	Utrecht	E 15.03.-19.03.10
SCHEDULE France	Utrecht	E 31.05.-04.06.10
Paris	SCHEDULE Slovenia	
Paris	Ljubljana	E 31.05.-04.06.10
SCHEDULE Germany	SCHEDULE Spain	
Munich	Madrid	10.05.-14.05.10
Berlin	SCHEDULE Sweden	
Berlin	Stockholm	E 15.03.-19.03.10
Frankfurt	SCHEDULE Switzerland	
Hamburg	Zurich	01.03.-05.03.10
Hamburg	Zurich	21.06.-25.06.10
Munich	Zurich	11.10.-15.10.10
Hamburg	SCHEDULE United Kingdom	
Munich	London	E 22.02.-26.02.10
Munich		E Training in English



Cisco MDS 9000 Technical Pre-Sales Training (CMDSPS)

ID FL-CMDSPS **Price** 1.200,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- Basic storage knowledge

COURSE CONTENT

This course gives a comprehensive overview of the actual Cisco MDS solutions (incl. Virtual SANs (VSANs), Switch Port Analyzer (SPAN) and iSCSI solutions) as well as their installation. As one major point the differences in architecture, management and

implementation between Cisco and its competitors solutions will be shown.

SCHEDULE Germany	Hamburg	E 03.11.-04.11.10
Hamburg	Berlin	01.12.-02.12.10
Berlin	Munich	15.12.-16.12.10
Frankfurt	SCHEDULE Spain	
Munich	Madrid	09.12.-10.12.10
Duesseldorf		E Training in English
Stuttgart		

Designing Cisco Storage Networking Solutions (DCSNS)

ID CI-DCSNS **Price** 2.890,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Basic understanding of data storage hardware components and protocols, including SCSI and Fibre Channel

COURSE CONTENT

- MDS 9000 Platform Overview
- Designing SAN Fabrics
- Consolidating Storage in the Data Center
- Securing the SAN
- Designing SAN Extension Solutions



SCHEDULE Belgium

Brussels **E** 12.04.-16.04.10

SCHEDULE Denmark

Copenhagen **E** 01.03.-05.03.10

SCHEDULE France

Paris 15.03.-19.03.10

Paris 06.09.-10.09.10

SCHEDULE Germany

Berlin **E** 15.03.-19.03.10

Berlin 06.04.-09.04.10

Hamburg 17.05.-21.05.10

Frankfurt 21.06.-25.06.10

Frankfurt **E** 28.06.-02.07.10

Munich 09.08.-13.08.10

Hamburg 27.09.-01.10.10

Hamburg **E** 04.10.-08.10.10

SCHEDULE Italy

Rome **E** 01.03.-05.03.10

Milan **E** 26.04.-30.04.10

Rome **E** 13.09.-17.09.10

SCHEDULE Netherlands

Utrecht **E** 12.04.-16.04.10

SCHEDULE Poland

Warsaw **E** 19.07.-23.07.10

SCHEDULE Slovenia

Ljubljana **E** 15.11.-19.11.10

SCHEDULE Spain

Madrid 26.04.-30.04.10

Madrid 04.10.-08.10.10

SCHEDULE Sweden

Stockholm **E** 01.03.-05.03.10

SCHEDULE Switzerland

Zurich **E** 08.03.-12.03.10

Zurich 21.06.-25.06.10

Zurich 30.08.-03.09.10

SCHEDULE United Kingdom

Windsor **E** 19.04.-23.04.10

E Training in English

Cisco Mainframe Storage Solutions (CMSS)

ID CI-CMSS **Price** 1.490,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- Implementing Cisco Storage Networking Solutions (ICSNS)

COURSE CONTENT

- Mainframe Storage Technologies; FICON: Concepts, Applications, FC-SB-3 Protocol; Implementing Cisco FICON

Solutions: FICON Fabric Configuration, FICONPort Configuration, Troubleshooting, FICON Cascade

SCHEDULE Germany

Berlin **E** 04.03.-05.03.10

Hamburg 10.05.-11.05.10

Frankfurt 01.07.-02.07.10

Munich **E** 26.08.-27.08.10

SCHEDULE Spain

Madrid 01.07.-02.07.10

E Training in English

Implementing High Performance Computing Networks with the Cisco SFS (HPCSF)



ID CI-HPCSF **Price** 2.990,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Implementing Cisco Storage Networking Solutions (ICSNS)

COURSE CONTENT

- Fundamentals of High Performance Computing; Designing HPC Server Fabrics; Implementing Server Fabrics with the Cisco SFS;

Building the Unified Compute Fabric; Configuring the Ethernet Gateway; Configuring the Fibre Channel Gateway; Boot over InfiniBand

SCHEDULE Germany

Berlin **E** 09.03.-12.03.10

Hamburg 18.05.-21.05.10

Frankfurt 06.07.-09.07.10

Munich **E** 31.08.-03.09.10

Berlin 26.10.-29.10.10

Hamburg 07.12.-10.12.10

E Training in English

CCIE Storage Networking Power Workshop (CCIESAN)

ID FL-CCIESAN **Price** 6.795,00 EUR (excl. VAT) **Duration** 10 Days

COURSE CONTENT

This Power Workshop contains the topics of the Cisco Data Center Storage Networking Curriculum in a comprehensive form.

SCHEDULE Germany

Berlin 19.04.-30.04.10

Frankfurt **E** 07.06.-18.06.10

Hamburg 28.06.-09.07.10

Munich 05.07.-16.07.10

Hamburg 13.09.-24.09.10

Hamburg **E** 20.09.-01.10.10

Hamburg 08.11.-19.11.10

Berlin **E** 22.11.-03.12.10

E Training in English

CCIE Storage Networking Power Lab (CCIESANPL)

ID FL-CCIESANPL **Price** 4.990,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

The CCIE Storage Networking Power Lab is an intensive, hands-on course which prepares the students for the challenging CCIE Storage Networking Lab exam.

SCHEDULE Germany

Hamburg 01.03.-05.03.10

Hamburg **E** 17.05.-21.05.10

Stuttgart 14.06.-20.06.10

Berlin 28.06.-02.07.10

Frankfurt **E** 23.08.-27.08.10

Munich **E** 13.09.-17.09.10

Munich 04.10.-08.10.10

Hamburg 13.12.-17.12.10

E Training in English

Data Center Unified Computing Design (DCUCD)

ID CI-DCUCD **Price** 3.290,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA certification
- MDS 9x00, Nexus 5000, Nexus 7000, Catalyst 6500, and ACE Engineer Level Knowledge
- VMware Certified Professional (VCP)
- Designing Cisco Storage Networking Solutions (DCSNS) and Data Center Network Infrastructure Design (DCNID) courses

COURSE OBJECTIVES

The goal of this course is to enable engineers to design scalable, reliable, and intelligent Data Center Unified Computing solutions based on Cisco Unified Computing System (UCS), Cisco Nexus family switches, Catalyst 6500 in Virtual Switching System (VSS), MDS family SAN switches with NX-OS, Data Center Network Manager (DCNM) and MDS Fabric Manager configuration and management applications, VMware server virtualization products, and Linux and Microsoft Windows operating system.

COURSE CONTENT

- Data Center Computing Solutions
- Cisco Data Center Unified Computing Solution Components
- Cisco Data Center Unified Computing Solution Benefits
- Unified Computing System Implementation Aspects
- Evaluate Existing Data Center Computing Solutions

- Design Cisco Data Center Unified Computing Solutions
- Evaluate Cisco Data Center Unified Computing Solutions



SCHEDULE Belgium

Brussels **E** 19.04.-23.04.10

SCHEDULE Bulgaria

Sofia **E** 22.02.-26.02.10

Sofia **E** 17.05.-21.05.10

SCHEDULE Germany

Hamburg 15.03.-19.03.10

Munich 19.04.-23.04.10

Munich **E** 26.04.-30.04.10

Berlin 31.05.-04.06.10

Hamburg 28.06.-02.07.10

Hamburg **E** 05.07.-09.07.10

Frankfurt 02.08.-06.08.10

Hamburg 06.09.-10.09.10

Hamburg **E** 13.09.-17.09.10

Munich 04.10.-08.10.10

Berlin 01.11.-05.11.10

Berlin **E** 08.11.-12.11.10

Hamburg 29.11.-03.12.10

SCHEDULE Italy

Milan **E** 22.03.-26.03.10

SCHEDULE Netherlands

Utrecht **E** 12.04.-16.04.10

SCHEDULE Poland

Warsaw **E** 15.03.-19.03.10

Warsaw **E** 24.05.-28.05.10

SCHEDULE Slovenia

Ljubljana **E** 22.02.-26.02.10

Ljubljana **E** 17.05.-21.05.10

SCHEDULE Turkey

Istanbul **E** 15.03.-19.03.10

Istanbul **E** 24.05.-28.05.10

SCHEDULE United Kingdom

Windsor **E** 26.04.-30.04.10

London **E** 14.06.-18.06.10

Windsor **E** 23.08.-27.08.10

London **E** 11.10.-15.10.10

London **E** 06.12.-10.12.10

E Training in English

Data Center Unified Computing Implementation (DCUCI)

ID CI-DCUCI **Price** 3.290,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA certification
- MDS 9x00, Nexus 5000, Nexus 7000, Catalyst 6500, and ACE Engineer Level Knowledge
- VMware Certified Professional (VCP)
- Designing Cisco Storage Networking Solutions (DCSNS) and Data Center Network Infrastructure Design (DCNID) courses

COURSE OBJECTIVES

The Cisco Data Center Unified Computing Implementation course is designed to teach students knowledge of the fundamentals of the Cisco Unified Computing System and the ability to implement a virtualized Data Center environment. In addition the student also learns on how to implement the Cisco Unified Computing System (UCS) in an enterprise data center routing and switching infrastructure with the next-generation Cisco Nexus product family.

COURSE CONTENT

- Understanding how Cisco UCS Benefits Today's Data Center
- Cisco's Unified Computing System: UCS Hardware Components & UCS Features
- Understanding User Management
- Understanding the Chassis Array Manager (CAM) Conceptual Overview
- Explaining the Implementation of Server Resources via the Unified Computing System

- Maintaining a Cisco Unified Computing System
- Monitoring, Diagnostics & Troubleshooting the Cisco Unified Computing System
- Designing Cisco Unified Computing System Deployment



SCHEDULE Belgium

Brussels **E** 29.03.-02.04.10

SCHEDULE Bulgaria

Sofia **E** 15.02.-19.02.10

Sofia **E** 10.05.-14.05.10

SCHEDULE Germany

Frankfurt **E** 01.03.-05.03.10

Hamburg 08.03.-12.03.10

Munich 12.04.-16.04.10

Munich **E** 03.05.-07.05.10

Berlin 17.05.-21.05.10

Hamburg 21.06.-25.06.10

Hamburg **E** 12.07.-16.07.10

Frankfurt 26.07.-30.07.10

Hamburg 30.08.-03.09.10

Hamburg **E** 20.09.-24.09.10

Munich 27.09.-01.10.10

Berlin 25.10.-29.10.10

Berlin **E** 15.11.-19.11.10

Hamburg 22.11.-26.11.10

SCHEDULE Italy

Milan **E** 15.02.-19.02.10

SCHEDULE Netherlands

Utrecht **E** 15.03.-19.03.10

SCHEDULE Poland

Warsaw **E** 08.03.-12.03.10

Warsaw **E** 17.05.-21.05.10

SCHEDULE Slovenia

Ljubljana **E** 15.02.-19.02.10

Ljubljana **E** 10.05.-14.05.10

SCHEDULE Turkey

Istanbul **E** 08.03.-12.03.10

Istanbul **E** 17.05.-21.05.10

SCHEDULE United Kingdom

Windsor **E** 22.02.-26.02.10

London **E** 10.05.-14.05.10

London **E** 28.06.-02.07.10

London **E** 16.08.-20.08.10

Windsor **E** 27.09.-01.10.10

London **E** 08.11.-12.11.10

E Training in English

Cisco Wide Area Application Services (CWAAS)

ID CI-CWAAS **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

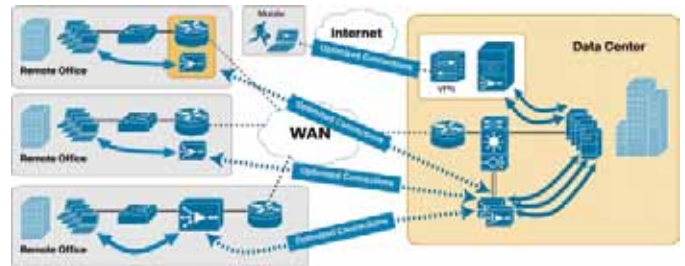
PREREQUISITES

- CCNA certification or equivalent knowledge

COURSE CONTENT

- Cisco Wide-Area Application Services
 - Introducing Cisco WAAS
 - Understanding WAN Optimization
 - Understanding Application Acceleration
- Cisco WAAS Quick Start
 - Introducing Traffic Interception
 - Installing and Configuring Cisco WAAS Using Quick Start
- Implementation, Integration, and Management
 - Performing an Advanced Cisco WAE Installation and Configuration
 - Configuring Traffic Interception
 - Implementing Cisco WAAS Central Management
 - Configuring Application Traffic Policies
 - Configuring Cisco WAAS Virtualization
- Cisco WAAS Application Optimizers
 - Configuring CIFS Optimization
 - Configuring Cisco WAAS Windows Network Printing
 - Configuring NFS Optimization
 - Configuring HTTP Optimization
 - Configuring Streaming Video Optimization
 - Configuring MAPI Optimization
 - Configuring SSL Optimization
- Cisco WAAS Design and Troubleshooting
 - Planning a Cisco WAAS Network Design
 - Troubleshooting Introduction
 - Troubleshooting Network Interception
 - Troubleshooting WAN Optimization

- Cisco WAAS Mobile Client Solution
 - Installing Cisco WAAS Mobile
 - Configuring Cisco WAAS Mobile Options
 - Troubleshooting Cisco WAAS Mobile



SCHEDULE Belgium		SCHEDULE Netherlands	
Brussels	E 15.02.-19.02.10	Utrecht	E 08.02.-12.02.10
Brussels	E 31.05.-04.06.10	Utrecht	E 19.04.-23.04.10
SCHEDULE Denmark		SCHEDULE Sweden	
Copenhagen	E 01.02.-05.02.10	Stockholm	E 22.03.-26.03.10
SCHEDULE Germany		Stockholm	E 21.06.-25.06.10
Hamburg	22.02.-26.02.10	SCHEDULE Spain	
Frankfurt	26.04.-30.04.10	Madrid	24.05.-28.05.10
Frankfurt	E 17.05.-21.05.10	Madrid	15.11.-19.11.10
Berlin	28.06.-02.07.10	SCHEDULE Switzerland	
Berlin	E 12.07.-16.07.10	Zurich	01.02.-05.02.10
Hamburg	02.08.-06.08.10	Zurich	17.05.-21.05.10
Munich	30.08.-03.09.10	Zurich	30.08.-03.09.10
Hamburg	25.10.-29.10.10	Zurich	15.11.-19.11.10
Berlin	22.11.-26.11.10	SCHEDULE United Kingdom	
Frankfurt	06.12.-10.12.10	Windsor	E 22.02.-26.02.10
SCHEDULE Italy		Windsor	E 07.06.-11.06.10
Rome	19.04.-23.04.10	Windsor	E 25.10.-29.10.10
Milan	25.10.-29.10.10	E Training in English	

Implementing the Application Control Engine Service Module (ACESM)

ID CI-ACESM **Price** 2.390,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Basic understanding of the following topics: The TCP/IP protocol, the HTTP and SSL protocols, N-tier application architecture, Server load-balancing

COURSE CONTENT

- Introducing the Cisco ACE Module
- Deploying the Cisco ACE Module
- Understanding Modular Policy CLI
- Managing the Cisco ACE Module
- Understanding Security Features
- Configuring Layer 4 Load Balancing
- Configuring Health Monitoring
- Configuring Layer 7 Protocol Processing
- Processing Secure Connections
- Understanding High Availability
- Integrating Multiple Features



SCHEDULE Belgium		Hamburg	E 15.11.-18.11.10
Brussels	E 22.03.-25.03.10	Berlin	29.11.-02.12.10
Brussels	E 06.04.-09.04.10	SCHEDULE Italy	
Brussels	E 07.06.-10.06.10	Rome	24.05.-27.05.10
SCHEDULE Denmark		Milan	15.11.-18.11.10
Copenhagen	E 09.02.-12.02.10	SCHEDULE Netherlands	
Copenhagen	E 06.04.-09.04.10	Utrecht	E 01.02.-04.02.10
Copenhagen	E 29.06.-02.07.10	Utrecht	E 26.04.-29.04.10
SCHEDULE France		Utrecht	E 28.06.-01.07.10
Valbonne	25.05.-28.05.10	SCHEDULE Spain	
Paris	20.07.-23.07.10	Madrid	07.09.-10.09.10
Paris	14.12.-17.12.10	SCHEDULE Sweden	
SCHEDULE Germany		Stockholm	E 06.04.-09.04.10
Berlin	01.03.-04.03.10	Stockholm	E 06.07.-09.07.10
Munich	E 22.03.-25.03.10	SCHEDULE Switzerland	
Munich	12.04.-15.04.10	Zurich	09.02.-12.02.10
Frankfurt	17.05.-20.05.10	Zurich	25.05.-28.05.10
Hamburg	14.06.-17.06.10	Zurich	E 24.08.-27.08.10
Berlin	12.07.-15.07.10	Zurich	09.11.-12.11.10
Berlin	E 26.07.-29.07.10	SCHEDULE United Kingdom	
Frankfurt	30.08.-02.09.10	London	E 01.03.-04.03.10
Munich	04.10.-07.10.10	E Training in English	
Hamburg	08.11.-11.11.10		

Designing an Enterprise Application Infrastructure with the ACE Family (ACEDES)

ID CI-ACEDES **Price** 2.390,00 EUR (excl. VAT) **Duration** 4 Days

COURSE CONTENT

- Introducing ACE
- Deploying ACE
- Modular Policy Configuration
- Layer 4 / 7 Load Balancing
- Layer 7 Protocol Processing
- Processing Secure Connections
- Security Features
- High Availability
- Integrating Multiple Features



SCHEDULE Germany

Berlin	09.02.-12.02.10
Frankfurt	E 09.03.-12.03.10
Hamburg	06.04.-09.04.10
Munich	25.05.-28.05.10
Berlin	E 22.06.-25.06.10
Frankfurt	20.07.-23.07.10
Hamburg	14.09.-17.09.10
Berlin	E 05.10.-08.10.10
Munich	26.10.-29.10.10

Berlin 23.11.-26.11.10

SCHEDULE Slovenia

Ljubljana **E** 19.10.-22.10.10

SCHEDULE Spain

Madrid 14.09.-17.09.10

SCHEDULE Switzerland

Zurich 27.04.-30.04.10

Zurich **E** 20.07.-23.07.10

Zurich 26.10.-29.10.10

E Training in English

Implementing the Cisco ACE Appliance (ACEAP)

ID CI-ACEAP **Price** 2.490,00 EUR (excl. VAT) **Duration** 4 Days

COURSE CONTENT

- Implementing the Cisco Application Control Engine Appliance
- Introducing the Cisco ACE 4710 Appliance
- Deploying Cisco ACE
- Modular Policy CLI
- Managing the Cisco ACE Appliance
- Security Features
- Load Balancing
- Health Monitoring
- Layer 7 Protocol Processing
- Processing Secure Connections

- Deploying Application Acceleration and Optimization
- High Availability
- Integrating Multiple Features

SCHEDULE Germany

Berlin	16.02.-19.02.10
Hamburg	13.04.-16.04.10
Munich	08.06.-11.06.10
Berlin	E 29.06.-02.07.10
Frankfurt	27.07.-30.07.10
Hamburg	21.09.-24.09.10
Berlin	E 12.10.-15.10.10
Munich	02.11.-05.11.10
Berlin	30.11.-03.12.10

SCHEDULE Spain

Madrid 27.07.-30.07.10

SCHEDULE Switzerland

Zurich 09.03.-12.03.10

Zurich 22.06.-25.06.10

Zurich **E** 21.09.-24.09.10

Zurich 20.12.-23.12.10

SCHEDULE United Kingdom

London **E** 22.02.-25.02.10

E Training in English

ACE XML Gateway Operations & Configuration (AXGOC)

ID CI-AXGOC **Price** 1.290,00 EUR (excl. VAT) **Duration** 2 Days

COURSE CONTENT

- Application Security
- Introducing the ACE XML Gateway
- Deploying the ACE XML Gateway
- Securing Communications with SSL
- Message Level Security

- Advanced Deployment Options
- Troubleshooting the ACE XML Gateway

SCHEDULE Germany

Berlin	E 12.04.-13.04.10
Frankfurt	07.06.-08.06.10
Munich	09.08.-10.08.10
Hamburg	E 27.09.-28.09.10

Frankfurt 08.11.-09.11.10

Berlin 13.12.-14.12.10

Spain

Madrid 03.11.-04.11.10

E Training in English

Global Site Selector Operation & Configuration (GSSOC)

ID CI-GSSOC **Price** 1.990,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- Basic DNS Review
- GSS Deployment Model Overview
- GSS Setup
- Global Server Load Balancing
- GSS Keepalives
- GSS Load Balancing Methods
- GSS Network Proximity



- GSS DDoS Protection
- GSS / CNR Interaction



SCHEDULE Denmark

Copenhagen **E** 10.03.-12.03.10

SCHEDULE Germany

Berlin	E 14.04.-16.04.10
Frankfurt	09.06.-11.06.10
Munich	11.08.-13.08.10
Hamburg	E 29.09.-01.10.10

Frankfurt 10.11.-12.11.10

Berlin 15.12.-17.12.10

SCHEDULE Spain

Madrid 07.07.-09.07.10

SCHEDULE Sweden

Stockholm **E** 19.05.-21.05.10

E Training in English

VMware vSphere™ and Cisco Nexus 1000V Integration



What's New vSphere™ 4 on Nexus 1000V Data Center Networks (WNNDNC)

ID FL-WNNDNC **Price** 2.390,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- VMware Infrastructure 3: Install & Configure (VIIC) or equivalent experience with VMware ESX and vCenter Server
- Intermediate knowledge of switching, routing and data center architectures and protocols, as well as an understanding of server virtualization techniques

COURSE CONTENT

- Overview of the Nexus 1000 VEM and VSM
- Network Virtualization and consolidation in Data Center Bridging Networks
- Upgrading VMware deployments
- Data Center Application High-Availability
- Nexus 1000 VEM (NX-OS) Features and Switching Mechanisms
- Deploying distributed virtual switches to simplify datacenter-wide network management
- Migrating virtual machines' storage while they are live with Storage vMotion
- Growing virtual disks and VMFS volumes while they are live
- Employing VMware's new Pluggable Storage Architecture
- Ensuring application availability with VMware Fault Tolerance
- Use the new host profiles feature to keep hosts uniformly configured
- Saving energy with VMware Distributed Power Management

- Saving disk space with thin provisioning
- NIV on ESX using Cisco Nexus switches
- Virtual Machine Policy-based Connectivity and Mobility
- Utilize Cisco NX-OS based End-to-End QoS Concepts and Enforcement
- Configure the Nexus 1000V System Management and Monitoring Features
- Configure Virtual Machine Security Features Using the Nexus 1000V
- Save disk space with thin provisioning
- Administer virtual appliances consisting of more than one virtual machine



SCHEDULE Denmark

Frankfurt 05.10.-08.10.10
Copenhagen E 18.05.-21.05.10

SCHEDULE Germany

Frankfurt E 09.02.-12.02.10
Berlin 29.03.-01.04.10
Berlin E 06.04.-09.04.10
Hamburg 25.05.-28.05.10
Hamburg E 06.07.-09.07.10
Munich 03.08.-06.08.10
Munich E 06.09.-09.09.10

Frankfurt 05.10.-08.10.10
Frankfurt E 02.11.-05.11.10
Hamburg 20.12.-23.12.10

SCHEDULE Netherlands

Utrecht E 26.04.-29.04.10

SCHEDULE Sweden

Stockholm E 02.02.-05.02.10
Stockholm E 25.05.-28.05.10

E Training in English

Install, Config & Manage vSphere™ 4 on Nexus 1000V Data Center Networks (ICMNDNC)

ID FL-ICMNDNC **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Administration experience on Microsoft Windows or Linux operating systems
- Intermediate knowledge of switching, routing and data center architectures and protocols
- VMware vSphere 4: What's New (VIWN) course

COURSE CONTENT

- Install and configure ESX and vCenter Server
- Configure and manage ESX networking and storage using vCenter Server
- Deploy, manage and monitor VM and their resources
- Manage user access to the VMware infrastructure
- Increase scalability using vCenter Server
- Apply patches using VMware vCenter Update Manager
- Overview of the Nexus 1000 VEM and VSM
- Network Virtualization & consolidation in DC Bridging Networks
- Data Center Application High-Availability

- Nexus 1000 VEM (NX-OS) Features and Switching Mechanisms
- NIV on ESX using Cisco Nexus switches
- Virtual Machine Policy-based Connectivity and Mobility
- Utilize Cisco NX-OS based End-to-End QoS Concepts and Enforcement
- Configure the Nexus 1000V System Management and Monitoring Features
- Configure VM Security Features Using the Nexus 1000V
- Manage higher availability & data protection using vCenter Server

SCHEDULE Denmark

Frankfurt 13.09.-17.09.10
Copenhagen E 01.02.-05.02.10
Copenhagen E 17.05.-21.05.10

SCHEDULE Germany

Frankfurt E 22.02.-26.02.10
Berlin 22.03.-26.03.10
Berlin E 19.04.-23.04.10
Hamburg 17.05.-21.05.10
Hamburg E 14.06.-18.06.10
Munich 12.07.-16.07.10
Munich E 16.08.-20.08.10

Frankfurt 13.09.-17.09.10
Frankfurt E 11.10.-15.10.10
Hamburg 29.11.-03.12.10

SCHEDULE Netherlands

Utrecht E 01.02.-05.02.10
Utrecht E 17.05.-21.05.10

SCHEDULE Sweden

Stockholm E 08.02.-12.02.10
Stockholm E 31.05.-04.06.10

E Training in English

Designing for Cisco Internetwork Solutions (DESGN)

ID CI-DESGN **Price** 2.390,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA certification or equivalent knowledge
- Practical experience with deploying and operating Cisco networks

SCHEDULE Belgium

Brussels **E** 22.02.-26.02.10
Brussels **E** 07.06.-11.06.10

SCHEDULE Denmark

Copenhagen **E** 15.02.-19.02.10
Copenhagen **E** 07.06.-11.06.10

SCHEDULE France

Paris 22.02.-26.02.10
Paris 20.09.-24.09.10

SCHEDULE Germany

Frankfurt 08.02.-12.02.10
Duesseldorf 01.03.-05.03.10
Hamburg **E** 15.03.-19.03.10
Hamburg 22.03.-26.03.10
Stuttgart 19.04.-23.04.10
Berlin 03.05.-07.05.10
Hamburg 31.05.-04.06.10
Munich 21.06.-25.06.10
Duesseldorf 19.07.-23.07.10
Frankfurt **E** 02.08.-06.08.10
Frankfurt 09.08.-13.08.10
Berlin 06.09.-10.09.10
Stuttgart 04.10.-08.10.10
Hamburg 18.10.-22.10.10
Munich 08.11.-12.11.10
Munich **E** 15.11.-19.11.10
Duesseldorf 06.12.-10.12.10

SCHEDULE Italy

Milan 22.02.-26.02.10
Rome 17.05.-21.05.10
Milan 13.09.-17.09.10
Rome 22.11.-26.11.10

SCHEDULE Netherlands

Utrecht **E** 01.03.-05.03.10
Meppel **E** 12.04.-16.04.10
Utrecht **E** 07.06.-11.06.10

SCHEDULE Spain

Madrid 26.04.-30.04.10
Barcelona 14.06.-18.06.10
Madrid 25.10.-29.10.10

SCHEDULE Sweden

Stockholm 14.06.-18.06.10

SCHEDULE Switzerland

Zurich 22.03.-26.03.10
Zurich **E** 07.06.-11.06.10
Zurich **E** 13.09.-17.09.10
Zurich 06.12.-10.12.10

SCHEDULE Turkey

Istanbul **E** 24.05.-28.05.10

SCHEDULE United Kingdom

London **E** 22.02.-26.02.10
London **E** 07.06.-11.06.10
London **E** 27.09.-01.10.10
E Training in English

COURSE CONTENT

- Applying a Methodology to Network Design
- Structuring and Modularizing the Network
- Designing Basic Campus and Data Center Networks
- Designing Remote Connectivity
- Designing IP Addressing and Selecting Routing Protocols
- Evaluating Security Solutions for the Network
- Identifying Voice Networking Considerations
- Identifying Wireless Networking Considerations
- Implementing and Operating the Network Design



Designing Cisco Network Service Architectures (ARCH)

ID CI-ARCH **Price** 2.390,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA, CCDA and CCNP knowledge

COURSE CONTENT

- Cisco Network Service Architectures
- Designing the Enterprise Campus Infrastructure
- Designing Advanced Addressing and Routing
- Designing Advanced WAN
- Designing the Enterprise Data Center
- Design Considerations for SAN
- Design Considerations for Application Network Services
- Design Considerations for E-Commerce Module
- Designing Security Services
- Designing IPSec VPNS
- Designing QoS
- Designing IP Multicast Services
- Designing IP Telephony & Video Solutions
- Designing Enterprise Wireless Networks for Voice
- Designing Network Management Services

SCHEDULE Denmark

Copenhagen **E** 22.02.-26.02.10
Copenhagen **E** 14.06.-18.06.10

SCHEDULE France

Paris 26.04.-30.04.10
Valbonne 21.06.-25.06.10
Paris 25.10.-29.10.10

SCHEDULE Germany

Munich 01.02.-05.02.10
Duesseldorf 22.02.-26.02.10
Frankfurt 22.03.-26.03.10
Stuttgart 12.04.-16.04.10
Hamburg 26.04.-30.04.10
Berlin 31.05.-04.06.10
Munich 21.06.-25.06.10
Frankfurt 12.07.-16.07.10
Frankfurt **E** 26.07.-30.07.10
Duesseldorf 16.08.-20.08.10
Stuttgart 13.09.-17.09.10
Frankfurt 11.10.-15.10.10
Hamburg 01.11.-05.11.10
Hamburg **E** 08.11.-12.11.10
Duesseldorf 22.11.-26.11.10
Munich 13.12.-17.12.10

SCHEDULE Italy

Rome 08.02.-12.02.10
Milan 03.05.-07.05.10
Rome 18.10.-22.10.10
Milan 29.11.-03.12.10

SCHEDULE Spain

Madrid 15.02.-19.02.10
Madrid 10.05.-14.05.10
Barcelona 26.07.-30.07.10
Madrid 15.11.-19.11.10

SCHEDULE Sweden

Stockholm 08.02.-12.02.10
Stockholm 28.06.-02.07.10

SCHEDULE Switzerland

Zurich 22.03.-26.03.10
Zurich **E** 19.07.-23.07.10
Zurich 18.10.-22.10.10

SCHEDULE Turkey

Istanbul **E** 31.05.-04.06.10

SCHEDULE United Kingdom

London **E** 24.05.-28.05.10
London **E** 22.11.-26.11.10

E Training in English

Implementing Cisco QoS (QOS)

ID CI-QOS **Price** 2.750,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 2 (ICND2) course
- Configuring BGP on Cisco Routers (BGP) recommended

COURSE CONTENT

- Introduction to IP QoS
- The Building Blocks of IP QoS
- Introduction to Modular QoS CLI and Auto-QoS

- Classification and Marking
- Congestion Management
- Congestion Avoidance
- Traffic Policing and Shaping
- Link Efficiency Mechanisms
- QoS Best Practices



SCHEDULE Belgium	Munich	E 12.04.-16.04.10	Munich	15.11.-19.11.10	Madrid	06.09.-10.09.10
Brussels	Frankfurt	19.04.-23.04.10	Berlin	22.11.-26.11.10	Madrid	27.12.-31.12.10
Brussels	Berlin	26.04.-30.04.10	Hamburg	29.11.-03.12.10	SCHEDULE Sweden	
SCHEDULE Bulgaria	Duesseldorf	03.05.-07.05.10	Frankfurt	06.12.-10.12.10	Stockholm	22.02.-26.02.10
Sofia	Hamburg	17.05.-21.05.10	SCHEDULE Italy		Stockholm	24.05.-28.05.10
Sofia	Munich	07.06.-11.06.10	Milan	15.03.-19.03.10	SCHEDULE Switzerland	
SCHEDULE Denmark	Berlin	E 21.06.-25.06.10	Rome	19.04.-23.04.10	Zurich	15.02.-19.02.10
Copenhagen	Duesseldorf	05.07.-09.07.10	Milan	24.05.-28.05.10	Zurich	22.03.-26.03.10
Copenhagen	Frankfurt	19.07.-23.07.10	Rome	04.10.-08.10.10	Zurich	31.05.-04.06.10
SCHEDULE France	Hamburg	E 02.08.-06.08.10	Milan	25.10.-29.10.10	Zurich	E 16.08.-20.08.10
Valbonne	Munich	16.08.-20.08.10	SCHEDULE Netherlands		Zurich	25.10.-29.10.10
Paris	Berlin	30.08.-03.09.10	Utrecht	E 12.04.-16.04.10	Zurich	06.12.-10.12.10
Paris	Frankfurt	E 13.09.-17.09.10	Utrecht	E 21.06.-25.06.10	SCHEDULE Turkey	
SCHEDULE Germany	Duesseldorf	20.09.-24.09.10	SCHEDULE Poland		Istanbul	E 15.02.-19.02.10
Frankfurt	Munich	27.09.-01.10.10	Warsaw	E 14.06.-18.06.10	Istanbul	E 24.05.-28.05.10
Berlin	Berlin	04.10.-08.10.10	SCHEDULE Slovenia		SCHEDULE United Kingdom	
Munich	Stuttgart	11.10.-15.10.10	Ljubljana	E 09.08.-13.08.10	London	E 01.02.-05.02.10
Hamburg	Hamburg	18.10.-22.10.10	Ljubljana	E 18.10.-22.10.10	Glasgow	E 22.02.-26.02.10
Duesseldorf	Duesseldorf	25.10.-29.10.10	SCHEDULE Spain		London	E 10.05.-14.05.10
Frankfurt	Frankfurt	01.11.-04.11.10	Madrid	08.02.-12.02.10	London	E 26.07.-30.07.10
Hamburg	Hamburg	E 08.11.-12.11.10	Barcelona	03.05.-07.05.10	London	E 25.10.-29.10.10
Duesseldorf	Stuttgart	15.11.-19.11.10	Madrid	24.05.-28.05.10	E Training in English	

Configuring BGP on Cisco Routers (BGP)

ID CI-BGP **Price** 2.790,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 2 (ICND2) and Building Scalable Cisco Internetworks (BSCI) courses

COURSE CONTENT

- BGP Overview

- BGP Transit Autonomous Systems
- Route Selection Using Policy Controls
- Route Selection Using Attributes
- Customer to Provider Connectivity with BGP
- Scaling Service Provider Networks
- Optimizing BGP Scalability

SCHEDULE Belgium	Munich	01.03.-05.03.10	Munich	E 22.11.-26.11.10	Madrid	15.11.-19.11.10
Brussels	Duesseldorf	15.03.-19.03.10	Hamburg	06.12.-10.12.10	SCHEDULE Sweden	
Brussels	Hamburg	29.03.-01.04.10	SCHEDULE Italy		Stockholm	15.02.-19.02.10
SCHEDULE Bulgaria	Frankfurt	E 26.04.-30.04.10	Rome	03.05.-07.05.10	Stockholm	17.05.-21.05.10
Sofia	Duesseldorf	17.05.-21.05.10	Milan	07.06.-11.06.10	SCHEDULE Switzerland	
Sofia	Hamburg	E 07.06.-11.06.10	Rome	18.10.-22.10.10	Zurich	01.03.-05.03.10
SCHEDULE Denmark	Berlin	28.06.-02.07.10	Milan	15.11.-19.11.10	Zurich	31.05.-04.06.10
Copenhagen	Duesseldorf	12.07.-16.07.10	SCHEDULE Netherlands		Zurich	E 26.07.-30.07.10
Copenhagen	Frankfurt	26.07.-30.07.10	Utrecht	E 12.04.-16.04.10	Zurich	27.09.-01.10.10
SCHEDULE France	Hamburg	09.08.-13.08.10	SCHEDULE Serbia		Zurich	E 01.11.-05.11.10
Valbonne	Munich	E 23.08.-27.08.10	Belgrade	E 15.11.-19.11.10	SCHEDULE Turkey	
Paris	Berlin	06.09.-10.09.10	SCHEDULE Slovenia		Istanbul	E 08.02.-12.02.10
Paris	Duesseldorf	27.09.-01.10.10	Ljubljana	E 25.10.-29.10.10	SCHEDULE United Kingdom	
Paris	Berlin	E 11.10.-15.10.10	SCHEDULE Spain		London	E 01.03.-05.03.10
SCHEDULE Germany	Hamburg	25.10.-29.10.10	Madrid	19.04.-23.04.10	London	E 28.06.-02.07.10
Berlin	Frankfurt	08.11.-12.11.10	Barcelona	28.06.-02.07.10	London	E 18.10.-22.10.10
Frankfurt	Stuttgart	22.11.-26.11.10	Madrid	05.07.-09.07.10	E Training in English	

Implementing Cisco MPLS (MPLS)

ID CI-MPLS **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 2 (ICND2), Building Scalable Cisco Internetworks (BSCI) and Configuring BGP on Cisco Routers (BGP) courses
- Implementing Cisco QoS (QOS) course recommended

COURSE CONTENT

• Basic MPLS Concepts; MPLS Labels & Label Stack; Identifying MPLS Applications; Discovering LDP Neighbors; Establishing the Service Provider IGP Routing Environment; Typical Label Distribution in Frame-Mode MPLS; Convergence in Frame-Mode MPLS; MPLS Label Allocation, Distribution & Retention Modes; CEF Switching; Configuring, Monitoring & Troubleshooting Frame-Mode MPLS on Cisco IOS Platforms; Establishing the Core MPLS Environment; Virtual Private Networks; Overlay & Peer-to-Peer VPNs; Categorizing VPNs; MPLS VPN Architecture; MPLS VPN Routing Model; Using MPLS VPN Mechanisms of Cisco IOS Platforms; Configuring VRF Tables; Configuring an MP-BGP Session Between PE Routers; Configuring Small-Scale Routing Protocols Between PE & CE Routers; Monitoring MPLS VPN Operations; Initial MPLS VPN Setup; Running EIGRP Between PE & CE Routers; Configuring & Running OSPF as the Routing Protocol Between PE & CE routers; Configuring & Running BGP as the Routing Protocol Between PE & CE routers; Troubleshooting MPLS VPNs

SCHEDULE Belgium

Brussels **E** 12.04.-16.04.10
Brussels **E** 28.06.-02.07.10

SCHEDULE Bulgaria

Sofia **E** 01.03.-05.03.10
Sofia **E** 21.06.-25.06.10

SCHEDULE Denmark

Copenhagen **E** 01.03.-05.03.10
Copenhagen **E** 31.05.-04.06.10

SCHEDULE France

Paris 01.02.-05.02.10
Valbonne 08.02.-12.02.10
Paris 03.05.-07.05.10
Paris 14.06.-18.06.10
Paris 18.10.-22.10.10

SCHEDULE Germany

Hamburg 08.02.-12.02.10
Frankfurt **E** 22.02.-26.02.10
Munich 08.03.-12.03.10
Muenster 22.03.-26.03.10
Duesseldorf 22.03.-26.03.10
Hamburg 06.04.-09.04.10
Frankfurt **E** 03.05.-07.05.10
Duesseldorf 25.05.-28.05.10
Hamburg 14.06.-18.06.10
Berlin **E** 05.07.-09.07.10
Duesseldorf 19.07.-23.07.10
Muenster 19.07.-23.07.10
Frankfurt 02.08.-06.08.10
Hamburg **E** 16.08.-20.08.10
Munich 30.08.-03.09.10
Berlin 13.09.-17.09.10
Cologne 04.10.-08.10.10

Duesseldorf 04.10.-08.10.10
Berlin **E** 18.10.-22.10.10
Hamburg 01.11.-05.11.10
Munich **E** 29.11.-03.12.10
Hamburg 13.12.-17.12.10

SCHEDULE Italy

Rome 17.05.-21.05.10
Milan 21.06.-25.06.10
Rome 08.11.-12.11.10
Milan 29.11.-03.12.10

SCHEDULE Netherlands

Utrecht **E** 01.03.-05.03.10
Utrecht **E** 07.06.-11.06.10

SCHEDULE Slovenia

Ljubljana **E** 01.02.-05.02.10

SCHEDULE Spain

Madrid 26.04.-30.04.10
Madrid 12.07.-16.07.10
Barcelona 13.09.-17.09.10
Madrid 04.10.-08.10.10

SCHEDULE Sweden

Stockholm 08.03.-12.03.10
Stockholm 07.06.-11.06.10

SCHEDULE Switzerland

Zurich 15.03.-19.03.10
Zurich **E** 07.06.-11.06.10
Zurich 13.09.-17.09.10
Zurich 25.10.-29.10.10

SCHEDULE Turkey

Istanbul **E** 22.02.-26.02.10

SCHEDULE United Kingdom

London **E** 08.02.-12.02.10

E Training in English

Implementing Cisco MPLS Traffic Engineering & Other Features (MPLST)

ID CI-MPLST **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Configuring BGP on Cisco Routers (BGP), Implementing Cisco QoS (QOS) and Implementing Cisco MPLS (MPLS) courses

COURSE CONTENT

- MPLS VPN Review; Carrier Supporting Carrier (CsC); MPLS Traffic Engineering Technology; Configuring MPLS Traffic Engineering; MPLS Quality of Service; Any Transport over MPLS (AToM); MPLS IPv6 support

SCHEDULE Bulgaria

Sofia **E** 22.03.-26.03.10

SCHEDULE Denmark

Copenhagen **E** 15.02.-19.02.10

SCHEDULE France

Paris 01.03.-05.03.10

Paris 28.06.-02.07.10

SCHEDULE Germany

Berlin 01.02.-05.02.10

Munich 15.03.-19.03.10

Hamburg **E** 12.04.-16.04.10

Frankfurt 17.05.-21.05.10

Hamburg 28.06.-02.07.10

Berlin 23.08.-27.08.10

Berlin **E** 20.09.-24.09.10

Duesseldorf 11.10.-15.10.10

Hamburg 08.11.-12.11.10

SCHEDULE Italy

Milan 05.07.-09.07.10

Rome 22.11.-26.11.10

SCHEDULE Netherlands

Utrecht **E** 01.02.-05.02.10

Utrecht **E** 12.04.-16.04.10

SCHEDULE Poland

Warsaw **E** 31.05.-04.06.10

SCHEDULE Serbia

Belgrade **E** 01.03.-05.03.10

SCHEDULE Slovenia

Ljubljana **E** 28.06.-02.07.10

Ljubljana **E** 08.11.-12.11.10

SCHEDULE Spain

Madrid 14.06.-18.06.10

SCHEDULE Sweden

Stockholm 12.04.-16.04.10

SCHEDULE Switzerland

Zurich 15.02.-19.02.10

Zurich 19.04.-23.04.10

Zurich **E** 31.05.-04.06.10

Zurich 06.09.-10.09.10

E Training in English

MPLS Expert Workshop (MEWS)

ID FL-MEWS **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Implementing Cisco MPLS Traffic Engineering & Other Features (MPLST)

COURSE CONTENT

- MPLS Traffic-Engineering; MPLS QoS; MPLS Layer 2 VPN Systems; Inter AS-MPLS VPNV4 Peering; MPLS Multicast; MPLS Security;

MPLS IPv6

SCHEDULE Denmark

Copenhagen **E** 22.02.-26.02.10

SCHEDULE Germany

Munich 12.04.-16.04.10

Hamburg **E** 07.06.-11.06.10

Frankfurt 09.08.-13.08.10

Hamburg 11.10.-15.10.10

Hamburg **E** 29.11.-03.12.10

SCHEDULE Sweden

Stockholm **E** 19.04.-23.04.10

SCHEDULE Switzerland

Zurich 15.02.-19.02.10

Zurich 31.05.-04.06.10

Zurich **E** 23.08.-27.08.10

Zurich 22.11.-26.11.10

E Training in English

Implementing Cisco Multicast (MCAST)

ID CI-MCAST **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 2 (ICND2) and Building Scalable Cisco Internetworks (BSCI) courses

COURSE CONTENT

- IP Multicast Technology
- PIM Dense Mode Protocol, Configuration, Monitoring and Troubleshooting
- Sparse Mode Multicast Protocols, Configuration, Monitoring and Troubleshooting
- Reliable IP Multicasting, Configuration, Monitoring and Troubleshooting
- Implementation, Monitoring and Troubleshooting of IP

Multicast on Data Link Layer

- Simple Intradomain Deployment of IP Multicasts

SCHEDULE Denmark

Copenhagen **E** 08.02.-12.02.10
Copenhagen **E** 12.04.-16.04.10

SCHEDULE Germany

Munich 15.02.-19.02.10
Munich **E** 22.02.-26.02.10
Frankfurt 22.03.-26.03.10
Berlin 26.04.-30.04.10
Hamburg 31.05.-04.06.10
Hamburg **E** 07.06.-11.06.10
Munich 28.06.-02.07.10
Frankfurt 26.07.-30.07.10
Berlin 16.08.-20.08.10
Duesseldorf 06.09.-10.09.10
Hamburg 27.09.-01.10.10

Frankfurt 25.10.-29.10.10

Berlin 15.11.-19.11.10

Frankfurt **E** 29.11.-03.12.10

SCHEDULE Spain

Madrid 01.03.-05.03.10
Madrid 14.06.-18.06.10
Madrid 18.10.-22.10.10

SCHEDULE Sweden

Stockholm 08.02.-12.02.10
Stockholm 12.04.-16.04.10

SCHEDULE Switzerland

Zurich 22.03.-26.03.10
Zurich 19.07.-23.07.10
Zurich 11.10.-15.10.10

E Training in English

IPv6 Fundamentals, Design & Deployment (IP6FD)

ID CI-IP6FD **Price** 2.690,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Routing, switching and access product knowledge and skills
- Working knowledge of routing protocols

COURSE CONTENT

- Introduction to IPv6
- Advanced IPv6 Topics
- IPv6 Operation
- Using IPv6 Services

- Describing IPv6-Enabled Routing Protocols
- IPv6 Transition Mechanisms
- Discussing Security Issues in IPv6
- Mobile IP Model
- Deploying IPv6



SCHEDULE Belgium

Brussels **E** 12.04.-16.04.10

SCHEDULE Bulgaria

Sofia **E** 25.10.-29.10.10

SCHEDULE Denmark

Århus **E** 15.02.-19.02.10

Copenhagen **E** 22.03.-26.03.10

Copenhagen **E** 12.04.-16.04.10

Copenhagen **E** 24.05.-28.05.10

Århus **E** 14.06.-18.06.10

SCHEDULE France

Paris 19.04.-23.04.10

Paris 30.08.-03.09.10

Paris 13.12.-17.12.10

SCHEDULE Germany

Munich 22.02.-26.02.10

Munich **E** 01.03.-05.03.10

Hamburg 15.03.-19.03.10

Stuttgart 12.04.-16.04.10

Frankfurt 03.05.-07.05.10

Frankfurt **E** 17.05.-21.05.10

Berlin 31.05.-04.06.10

Duesseldorf 21.06.-25.06.10

Munich 26.07.-30.07.10

Hamburg **E** 16.08.-20.08.10

Hamburg 23.08.-27.08.10

Frankfurt 20.09.-24.09.10

Hamburg 11.10.-15.10.10

Berlin **E** 25.10.-29.10.10

Berlin 01.11.-05.11.10

Munich 22.11.-26.11.10

SCHEDULE Netherlands

Utrecht **E** 19.04.-23.04.10

SCHEDULE Poland

Warsaw **E** 29.03.-02.04.10

SCHEDULE Serbia

Belgrade **E** 19.04.-23.04.10

Belgrade **E** 18.10.-22.10.10

SCHEDULE Spain

Madrid 08.03.-12.03.10

Madrid 13.09.-17.09.10

SCHEDULE Sweden

Göteborg 22.02.-26.02.10

Stockholm 15.03.-19.03.10

Stockholm 19.04.-23.04.10

Stockholm **E** 31.05.-04.06.10

Gothenburg 28.06.-02.07.10

SCHEDULE Switzerland

Zurich 22.03.-26.03.10

Zurich 19.07.-23.07.10

Zurich 08.11.-12.11.10

E Training in English

Designing Service Provider Cisco Quality of Service (SPQOS)

ID CI-SPQOS **Price** 2.290,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 2 (ICND2) and Building Scalable Cisco Internetworks (BSCI) courses
- Familiarity with MPLS and QoS concepts recommended

COURSE CONTENT

- Quality of Service structure
- Tools used within Cisco IOS to deploy and manage Quality of Service in complex networks
- Cisco QoS Baseline
- Identify and manage the QoS factors that directly affect Voice traffic, both for Call (bearer traffic) and Call Signaling
- Provision QoS for Interactive-Video and for Streaming Video

- Provision QoS for data traffic
- MPLS VPN services for full-mesh connectivity
- Three-Class, Four-Class and Five-Class QoS models with traffic priorities and classifications
- Concepts and features of SP SLA Requirements for applications within different traffic models
- Typical QoS configurations for Frame-Relay access

SCHEDULE France

Paris 28.09.-01.10.10

SCHEDULE Germany

Berlin **E** 16.03.-19.03.10

Munich 25.04.-28.04.10

Frankfurt 29.06.-02.07.10

Hamburg **E** 07.09.-10.09.10

Berlin 19.10.-22.10.10

Frankfurt 02.11.-05.11.10

SCHEDULE Spain

Madrid 09.08.-12.08.10

Madrid 02.11.-05.11.10

SCHEDULE Switzerland

Zurich 06.04.-09.04.10

Zurich 16.11.-19.11.10

E Training in English

Cisco 12000 Series Technical Product Training (GSR)

ID CI-GSR **Price** 2.250,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- Network Roles and System Overview; CLI Fundamentals; Line Card Hardware; Cisco Express Forwarding (CEF); Class of Service Features; Features and Applications; Troubleshooting

SCHEDULE Germany

Hamburg 10.03.-12.03.10
Munich **E** 10.05.-12.05.10
Frankfurt 14.07.-16.07.10
Berlin 22.09.-24.09.10

Hamburg **E** 01.12.-03.12.10

SCHEDULE Switzerland
Zurich 15.03.-17.03.10
Zurich 16.08.-18.08.10
E Training in English

Configuring Routers for IS-IS (CISIS)

ID CI-CISIS **Price** 1.790,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- Overview of IS-IS Technologies, Structures and Protocols
- In-Depth Details of Integrated IS-IS
- IS-IS Deployment in Different WAN Environments
- Integrated IS-IS Routing Designs

SCHEDULE Germany

Munich **E** 10.02.-12.02.10
Frankfurt 24.03.-26.03.10
Berlin 14.04.-16.04.10
Hamburg **E** 10.05.-12.05.10
Munich 09.06.-11.06.10
Berlin **E** 18.06.-20.06.10
Frankfurt 14.07.-16.07.10

Hamburg 15.09.-17.09.10
Munich 20.10.-22.10.10
Berlin **E** 10.11.-12.11.10
Frankfurt 01.12.-03.12.10

SCHEDULE Spain

Madrid 29.03.-31.03.10
Madrid 02.08.-04.08.10
E Training in English

CCIE Preparation Lab Service Provider (CCIESP)

ID FL-CCIESP **Price** 6.000,00 EUR (excl. VAT) **Duration** 10 Days

COURSE CONTENT

The CCIE Preparation Lab Service Provider is an intensive, hands-on course which prepares the students for the challenging CCIE Service Provider Lab exam.

SCHEDULE Germany

Munich 15.03.-26.03.10
Frankfurt **E** 05.07.-16.07.10
Hamburg 13.09.-24.09.10

SCHEDULE Poland

Warsaw **E** 22.02.-05.03.10

Warsaw **E** 21.06.-02.07.10

SCHEDULE Slovenia
Ljubljana **E** 13.09.-24.09.10

SCHEDULE Spain

Madrid 05.07.-16.07.10

E Training in English

Cisco Network Management Training



Implementing CiscoWorks LMS 3.0 (CWLMS)

ID CI-CWLMS **Price** 2.450,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Knowledge of basic Cisco IOS commands; Knowledge of basic Cisco Catalyst OS commands; Basic knowledge of TCP/IP; Basic knowledge of Microsoft Windows; Basic Internet browser navigation skills; Basic e-mail usage skills

COURSE CONTENT

- Introduction to Network Management Using CiscoWorks LMS
- Jump-Start CiscoWorks
- CiscoWorks Campus Manager
- CiscoWorks Resource Manager Essentials
- CiscoWorks Internetwork
- Performance Monitor
- CiscoWorks Device Fault Manager
- Device Troubleshooting
- CiscoWorks System Administration



SCHEDULE Belgium

Brussels **E** 15.03.-19.03.10
Brussels **E** 14.06.-18.06.10

SCHEDULE Denmark

Copenhagen **E** 08.02.-12.02.10

SCHEDULE France

Paris 06.09.-10.09.10

SCHEDULE Germany

Berlin 01.02.-05.02.10
Nuremberg 22.02.-26.02.10
Munich 22.02.-26.02.10
Hamburg 22.03.-26.03.10
Berlin **E** 22.03.-26.03.10
Frankfurt 12.04.-16.04.10
Duesseldorf 03.05.-07.05.10
Berlin 17.05.-21.05.10
Hamburg 31.05.-04.06.10
Hamburg **E** 14.06.-18.06.10
Munich 28.06.-02.07.10
Frankfurt 19.07.-23.07.10
Berlin 09.08.-13.08.10
Hamburg 30.08.-03.09.10
Munich 20.09.-24.09.10
Nuremberg 20.09.-24.09.10

Duesseldorf 11.10.-15.10.10
Berlin 01.11.-05.11.10
Frankfurt **E** 15.11.-19.11.10
Frankfurt 22.11.-26.11.10
Stuttgart 13.12.-17.12.10

SCHEDULE Italy

Rome 10.05.-14.05.10
Milan 11.10.-15.10.10

SCHEDULE Netherlands

Utrecht **E** 22.03.-26.03.10
Utrecht **E** 14.06.-18.06.10

SCHEDULE Slovenia

Ljubljana **E** 12.04.-16.04.10

SCHEDULE Spain

Madrid 05.07.-09.07.10

SCHEDULE Switzerland

Zurich 22.03.-26.03.10
Zurich 18.10.-22.10.10

SCHEDULE United Kingdom

London **E** 08.02.-12.02.10
London **E** 14.06.-18.06.10
London **E** 11.10.-15.10.10

E Training in English

Cisco IronPort Security Training



Securing Your Email with Cisco IronPort C-Series (SYEPW)

ID IP-SYEPW **Price** 2.250,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Solid knowledge of TCP/IP fundamentals, including IP addressing and sub-netting, static IP routing, DNS, and a very basic knowledge of the TCP protocol
- Experience with Internet-based messaging, including SMTP, Internet message formats, and MIME message formatting and body parts
- Strong familiarity both with AsyncOS command line interface (CLI) and graphical user interface (GUI) configuration of devices

COURSE CONTENT

- Introduction & System Overview
- Tracking and Reporting Messages
- Controlling Sender & Recipient Domains
- Controlling Spam with SenderBase & Anti-Spam
- Using Anti-Virus & Virus Outbreak Filters
- Using Mail Policies to Direct Business Email
- Using System Quarantines and Delivery Methods
- Using Content Filters for Specific Business Needs
- Encrypting Outbound Email
- Troubleshooting
- System Administration
- Configuring LDAP Queries
- Message Filters (Advanced Policy)
- Email Authentication



SCHEDULE Bulgaria			
Sofia	E	24.05.-26.05.10	
SCHEDULE Denmark			
Copenhagen	E	24.02.-26.02.10	
Copenhagen	E	19.05.-21.05.10	
SCHEDULE Germany			
Hamburg	E	01.02.-03.02.10	
Frankfurt		22.02.-24.02.10	
Berlin		29.03.-31.03.10	
Frankfurt	E	07.04.-09.04.10	
Hamburg		26.04.-28.04.10	
Munich		26.05.-28.05.10	
Hamburg	E	31.05.-02.06.10	
Frankfurt		21.06.-23.06.10	
Berlin	E	16.08.-18.08.10	
Berlin		23.08.-25.08.10	
Hamburg		20.09.-22.09.10	
Munich		18.10.-20.10.10	
Frankfurt		15.11.-17.11.10	
Frankfurt	E	22.11.-24.11.10	
Berlin		20.12.-22.12.10	
SCHEDULE Poland			
Warsaw	E	15.02.-17.02.10	
Warsaw	E	24.05.-26.05.10	
SCHEDULE Serbia			
Belgrade	E	03.05.-05.05.10	
Belgrade	E	26.07.-28.07.10	
SCHEDULE Slovenia			
Ljubljana	E	22.03.-24.03.10	
Ljubljana	E	12.07.-14.07.10	
SCHEDULE Spain			
Madrid		31.05.-02.06.10	
SCHEDULE Sweden			
Stockholm	E	17.02.-19.02.10	
Stockholm	E	26.05.-28.05.10	
SCHEDULE Switzerland			
Zurich		22.02.-24.02.10	
Zurich	E	21.06.-23.06.10	
Zurich		27.09.-29.09.10	
Zurich		13.12.-15.12.10	
SCHEDULE Turkey			
Istanbul	E	19.04.-21.04.10	

E Training in English

Securing Your Web with Cisco IronPort S-Series (SYW)

ID IP-SYW **Price** 1.500,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- Knowledge of TCP/IP services, including DNS, SSH, FTP, SNMP, HTTP and HTTPS
- Familiarity with IP routing
- Familiarity with the Cisco IronPort S-Series Overview

COURSE CONTENT

- Course & Product Overview
- Deploying Proxy Services
- Describing S-Series Policies
- Enforcing Acceptable Use
- Defending Against Malware
- Utilizing Authentication
- Configuring Policies
- Detecting Compromised Clients
- System Administration
- Troubleshooting



SCHEDULE Bulgaria			
Sofia	E	24.05.-25.05.10	
SCHEDULE Denmark			
Copenhagen	E	22.02.-23.02.10	
Copenhagen	E	17.05.-18.05.10	
SCHEDULE Germany			
Hamburg	E	04.02.-05.02.10	
Frankfurt		25.02.-26.02.10	
Frankfurt	E	29.03.-30.03.10	
Berlin		08.04.-09.04.10	
Hamburg		29.04.-30.04.10	
Hamburg	E	27.05.-28.05.10	
Munich		31.05.-01.06.10	
Frankfurt		24.06.-25.06.10	
Berlin	E	19.08.-20.08.10	
Berlin		26.08.-27.08.10	
Hamburg		23.09.-24.09.10	
Munich		21.10.-22.10.10	
Frankfurt		18.11.-19.11.10	
Frankfurt	E	25.11.-26.11.10	
Hamburg		20.12.-21.12.10	
SCHEDULE Poland			
Warsaw	E	15.02.-16.02.10	
Warsaw	E	27.05.-28.05.10	
SCHEDULE Serbia			
Belgrade	E	06.05.-07.05.10	
Belgrade	E	29.07.-30.07.10	
SCHEDULE Slovenia			
Ljubljana	E	22.03.-23.03.10	
Ljubljana	E	15.07.-16.07.10	
SCHEDULE Spain			
Madrid		07.06.-08.06.10	
SCHEDULE Sweden			
Stockholm	E	15.02.-16.02.10	
Stockholm	E	24.05.-25.05.10	
SCHEDULE Switzerland			
Zurich		25.02.-26.02.10	
Zurich	E	24.06.-25.06.10	
Zurich		30.09.-01.10.10	
Zurich		16.12.-17.12.10	
SCHEDULE Turkey			
Istanbul		19.04.-20.04.10	
SCHEDULE United Kingdom			
London	E	18.03.-19.03.10	
Windsor	E	13.05.-14.05.10	
London	E	15.07.-16.07.10	
Windsor	E	16.09.-17.09.10	
Windsor	E	18.11.-19.11.10	

E Training in English

Implementing Cisco IOS Network Security (IINS)

ID CI-IINS **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 1 (ICND1) course

COURSE CONTENT

- Introduction to Network Security Principles

- Perimeter Security
- Network Security Using Cisco IOS Firewalls
- Site-to-Site VPNs
- Network Security Using Cisco IOS IPS
- LAN, SAN, Voice, and Endpoint Security Overview

SCHEDULE Belgium	Duesseldorf	19.04.-23.04.10	SCHEDULE Italy	Madrid	06.09.-10.09.10
Brussels E 26.04.-30.04.10	Frankfurt	17.05.-21.05.10	Rome	SCHEDULE Sweden	Stockholm
SCHEDULE Bulgaria	Hamburg	07.06.-11.06.10	Milan	22.03.-26.03.10	19.04.-23.04.10
Sofia E 06.09.-10.09.10	Muenster	14.06.-18.06.10	Rome	26.04.-30.04.10	SCHEDULE Switzerland
SCHEDULE Denmark	Hamburg	14.06.-18.06.10	Milan	14.06.-18.06.10	Zurich
Copenhagen E 12.04.-16.04.10	Berlin	28.06.-02.07.10	Rome	27.09.-01.10.10	Zurich E 16.08.-20.08.10
SCHEDULE France	Munich	19.07.-23.07.10	Milan	18.10.-22.10.10	Zurich E 29.11.-03.12.10
Valbonne 08.03.-12.03.10	Duesseldorf	09.08.-13.08.10	Rome	15.11.-19.11.10	SCHEDULE Turkey
Paris 26.04.-30.04.10	Hamburg	30.08.-03.09.10	SCHEDULE Netherlands	Istanbul E 26.04.-30.04.10	Istanbul E 26.07.-30.07.10
Toulouse 14.06.-18.06.10	Frankfurt	20.09.-24.09.10	Utrecht E 01.02.-05.02.10	SCHEDULE United Kingdom	London E 10.05.-14.05.10
Valbonne 21.06.-25.06.10	Frankfurt	27.09.-01.10.10	Groningen E 08.03.-12.03.10	London E 23.08.-27.08.10	London E 15.11.-19.11.10
Paris 23.08.-27.08.10	Stuttgart	11.10.-15.10.10	Utrecht E 12.04.-16.04.10		
SCHEDULE Germany	Berlin	01.11.-05.11.10	Utrecht E 07.06.-11.06.10		
Frankfurt E 01.02.-05.02.10	Muenster	08.11.-12.11.10	SCHEDULE Serbia		
Berlin 15.02.-19.02.10	Munich	22.11.-26.11.10	Belgrade E 24.05.-28.05.10		
Hamburg 08.03.-12.03.10	Munich E 29.11.-03.12.10		SCHEDULE Spain		
Munich 29.03.-01.04.10	Frankfurt	13.12.-17.12.10	Madrid	08.02.-12.02.10	E Training in English

Securing Networks with Cisco Routers & Switches (SNRS)

ID CI-SNRS **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA Security certification or equivalent experience



COURSE CONTENT

- Network Platform Security with Switches
- Network Platform Security with Routers
- Secure Site-to-Site Communications
- Secure Remote Access Communications
- Threat Control and Containment

SCHEDULE Belgium	Hannover	22.03.-26.03.10	Frankfurt E 04.10.-08.10.10	Belgrade E 02.08.-06.08.10
Brussels E 07.06.-11.06.10	Munich	06.04.-09.04.10	Hamburg	04.10.-08.10.10
SCHEDULE Bulgaria	Berlin	12.04.-16.04.10	Cologne	11.10.-15.10.10
Sofia E 22.02.-26.02.10	Leipzig	19.04.-23.04.10	Stuttgart	18.10.-22.10.10
Sofia E 28.06.-02.07.10	Duesseldorf	26.04.-30.04.10	Duesseldorf	25.10.-29.10.10
Sofia E 27.09.-01.10.10	Dresden	03.05.-07.05.10	Berlin	08.11.-12.11.10
SCHEDULE Denmark	Munich	17.05.-21.05.10	Stuttgart	15.11.-19.11.10
Copenhagen E 19.04.-23.04.10	Frankfurt	25.05.-28.05.10	Hamburg	22.11.-26.11.10
SCHEDULE France	Duesseldorf	07.06.-11.06.10	Munich	29.11.-03.12.10
Valbonne 15.02.-19.02.10	Hamburg	14.06.-18.06.10	Munich E 06.12.-10.12.10	SCHEDULE Sweden
Paris 22.02.-26.02.10	Stuttgart	21.06.-25.06.10	Frankfurt	06.12.-10.12.10
Paris 17.05.-21.05.10	Hamburg	21.06.-25.06.10	Muenster	13.12.-17.12.10
Paris 20.09.-24.09.10	Berlin	05.07.-09.07.10	SCHEDULE Italy	
SCHEDULE Germany	Frankfurt	12.07.-16.07.10	Milan	19.04.-23.04.10
Frankfurt 01.02.-05.02.10	Munich	26.07.-30.07.10	Rome	05.07.-09.07.10
Duesseldorf 08.02.-12.02.10	Hamburg	09.08.-13.08.10	Milan	27.09.-01.10.10
Frankfurt E 08.02.-12.02.10	Duesseldorf	16.08.-20.08.10	Rome	02.11.-05.11.10
Hamburg 15.02.-19.02.10	Berlin	23.08.-27.08.10	SCHEDULE Netherlands	
Berlin 22.02.-26.02.10	Hamburg	06.09.-10.09.10	Utrecht E 15.02.-19.02.10	
Stuttgart 01.03.-05.03.10	Nuremberg	13.09.-17.09.10	Utrecht E 17.05.-21.05.10	
Munich 08.03.-12.03.10	Munich	20.09.-24.09.10	SCHEDULE Serbia	
Hamburg 15.03.-19.03.10	Frankfurt	27.09.-01.10.10	Belgrade E 01.02.-05.02.10	
				SCHEDULE Slovenia
				Ljubljana E 15.02.-19.02.10
				Ljubljana E 26.07.-30.07.10
				SCHEDULE Spain
				Madrid 08.03.-12.03.10
				Madrid 04.10.-08.10.10
				SCHEDULE Sweden
				Stockholm 01.02.-05.02.10
				Stockholm 26.04.-30.04.10
				SCHEDULE Switzerland
				Zurich 03.05.-07.05.10
				Zurich E 02.08.-06.08.10
				Zurich 22.11.-26.11.10
				SCHEDULE Turkey
				Istanbul 08.03.-12.03.10
				Istanbul E 15.03.-19.03.10
				Istanbul E 07.06.-11.06.10
				SCHEDULE United Kingdom
				London E 08.02.-12.02.10
				London E 26.07.-30.07.10
				E Training in English

Securing Networks with ASA Fundamentals (SNAF)

ID CI-SNAF **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Experience in configuring Cisco IOS software
- CCNA certification or equivalent knowledge
- Basic knowledge of the Windows operating system
- Familiarity with the networking and security terms and concepts

COURSE CONTENT

- Cisco Security Appliances
- Getting Started
- Controlling Network Access
- Service Policy Rules
- Virtual Private Networks



SCHEDULE Belgium Brussels E 17.05.-21.05.10	Berlin 19.04.-23.04.10 Frankfurt 26.04.-30.04.10	Berlin 15.11.-19.11.10 Muenster 22.11.-26.11.10	Ljubljana E 19.04.-23.04.10
SCHEDULE Bulgaria Sofia E 01.03.-05.03.10 Sofia E 05.07.-09.07.10 Sofia E 11.10.-15.10.10	Duesseldorf 03.05.-07.05.10 Muenster 17.05.-21.05.10 Frankfurt 07.06.-11.06.10 Duesseldorf 14.06.-18.06.10	Hamburg 29.11.-03.12.10 Munich 06.12.-10.12.10 Munich E 13.12.-17.12.10	SCHEDULE Spain Madrid 05.04.-09.04.10 Madrid 22.11.-26.11.10
SCHEDULE Denmark Copenhagen 01.02.-05.02.10 Copenhagen E 17.05.-21.05.10	Hamburg 21.06.-25.06.10 Munich 28.06.-02.07.10 Hamburg E 28.06.-02.07.10 Nuremberg 05.07.-09.07.10	SCHEDULE Italy Naples 15.02.-19.02.10 Rome 01.03.-05.03.10 Milan 12.04.-16.04.10 Naples 24.05.-28.05.10 Rome 07.06.-11.06.10 Milan 12.07.-16.07.10 Naples 13.09.-17.09.10 Rome 04.10.-08.10.10 Milan 08.11.-12.11.10	SCHEDULE Sweden Stockholm 08.02.-12.02.10 Stockholm E 24.05.-28.05.10
SCHEDULE France Paris 22.03.-26.03.10 Valbonne 22.03.-26.03.10 Paris 14.06.-18.06.10 Paris 25.10.-29.10.10	Berlin 12.07.-16.07.10 Munich 02.08.-06.08.10 Hamburg 16.08.-20.08.10 Duesseldorf 23.08.-27.08.10 Frankfurt 30.08.-03.09.10	SCHEDULE Netherlands Utrecht E 08.02.-12.02.10 Groningen E 19.04.-23.04.10 Utrecht E 19.04.-23.04.10 Utrecht E 14.06.-18.06.10	SCHEDULE Switzerland Zurich 08.03.-12.03.10 Zurich 21.06.-25.06.10 Zurich 13.09.-17.09.10 Zurich 06.12.-10.12.10
SCHEDULE Germany Frankfurt 08.02.-12.02.10 Frankfurt E 15.02.-19.02.10 Munich 15.02.-19.02.10 Duesseldorf 22.02.-26.02.10 Berlin 01.03.-05.03.10 Leipzig 08.03.-12.03.10 Munich 15.03.-19.03.10 Hamburg 22.03.-26.03.10 Munich 12.04.-16.04.10	Berlin 06.09.-10.09.10 Hamburg 13.09.-17.09.10 Nuremberg 20.09.-24.09.10 Munich 27.09.-01.10.10 Frankfurt 04.10.-08.10.10 Frankfurt E 11.10.-15.10.10 Cologne 18.10.-22.10.10 Stuttgart 25.10.-29.10.10 Munich 08.11.-12.11.10	SCHEDULE Serbia Belgrade E 08.02.-12.02.10 Belgrade E 16.08.-20.08.10	SCHEDULE Turkey Istanbul E 01.03.-05.03.10 Istanbul E 28.06.-02.07.10
		SCHEDULE Slovenia Ljubljana E 12.07.-16.07.10	SCHEDULE United Kingdom London E 01.02.-05.02.10 Leeds E 08.03.-12.03.10 London E 22.03.-26.03.10 London E 17.05.-21.05.10 London E 12.07.-16.07.10 London E 13.09.-17.09.10 London E 01.11.-05.11.10
			E Training in English

Securing Networks with ASA Advanced (SNAA)

ID CI-SNA A **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Securing Networks with ASA Fundamental (SNAF) course

COURSE CONTENT

- Configure policy NAT based on traffic type
- Describe the layer 7 modular policy framework for the security appliance and how it is configured
- Describe the layer 7 advanced protocol handling capabilities of modular policy frame and how it is configured

- Determine the necessary configuration for the ASA 5505 to be a VPN hardware client
- Configure CSD & DAP for SSL VPN connections on the Cisco ASA
- Identify the steps needed to configure, inspect, and filter traffic with the Content Security and Control SSM
- Identify the steps needed to configure the security appliance to identify, alert, and defend against attacks

SCHEDULE Belgium Brussels E 31.05.-04.06.10	Munich 22.03.-26.03.10 Hamburg 29.03.-01.04.10	Frankfurt E 18.10.-22.10.10 Cologne 25.10.-29.10.10 Stuttgart 01.11.-04.11.10	SCHEDULE Slovenia Ljubljana E 12.07.-16.07.10
SCHEDULE Bulgaria Sofia E 08.03.-12.03.10 Sofia E 12.07.-16.07.10	Munich 19.04.-23.04.10 Berlin 26.04.-30.04.10 Frankfurt 03.05.-07.05.10 Duesseldorf 17.05.-21.05.10 Frankfurt 14.06.-18.06.10 Duesseldorf 21.06.-25.06.10	Berlin 22.11.-26.11.10 Hamburg 06.12.-10.12.10 Hannover 06.12.-10.12.10 Munich 13.12.-17.12.10	SCHEDULE Spain Madrid 12.04.-16.04.10 Madrid 29.11.-03.12.10
SCHEDULE Denmark Copenhagen E 15.02.-19.02.10 Århus E 12.04.-16.04.10 Copenhagen E 17.05.-21.05.10	Hamburg 28.06.-02.07.10 Munich 05.07.-09.07.10 Hamburg E 12.07.-16.07.10 Berlin 19.07.-23.07.10 Munich 09.08.-13.08.10 Hamburg 23.08.-27.08.10 Duesseldorf 30.08.-03.09.10	Rome 15.03.-19.03.10 Milan 03.05.-07.05.10 Rome 21.06.-25.06.10 Milan 20.09.-24.09.10 Rome 25.10.-29.10.10 Milan 29.11.-03.12.10	SCHEDULE Sweden Stockholm 22.02.-26.02.10 Gothenburg 19.04.-23.04.10 Stockholm 24.05.-28.05.10
SCHEDULE France Paris 12.04.-16.04.10 Paris 19.07.-23.07.10 Paris 22.11.-26.11.10	Frankfurt 06.09.-10.09.10 Berlin 13.09.-17.09.10 Hamburg 20.09.-24.09.10 Nuremberg 27.09.-01.10.10 Munich 04.10.-08.10.10 Frankfurt 11.10.-15.10.10	SCHEDULE Netherlands Utrecht E 01.03.-05.03.10 Utrecht E 31.05.-04.06.10 Groningen E 21.06.-25.06.10	SCHEDULE Switzerland Zurich 15.02.-19.02.10 Zurich 31.05.-04.06.10 Zurich 06.09.-10.09.10 Zurich 13.12.-17.12.10
SCHEDULE Germany Hamburg 01.02.-05.02.10 Berlin 08.02.-12.02.10 Frankfurt 15.02.-19.02.10 Frankfurt E 22.02.-26.02.10 Duesseldorf 01.03.-05.03.10 Berlin 08.03.-12.03.10 Leipzig 15.03.-19.03.10		SCHEDULE Serbia Belgrade E 22.02.-26.02.10 Belgrade E 09.08.-13.08.10	SCHEDULE Turkey Istanbul E 08.03.-12.03.10 Istanbul E 21.06.-25.06.10
			SCHEDULE United Kingdom London E 15.02.-19.02.10 Windsor E 19.04.-23.04.10
			E Training in English

Cisco ASA Specialist Power Workshop (CASPW)

ID FL-CASPW **Price** 3.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA Security certification or equivalent knowledge

COURSE CONTENT

The Cisco ASA Power Workshop comprises the following courses:

- Securing Networks with ASA Fundamentals (SNAF)

- Securing Networks with ASA Advanced (SNAА)

SCHEDULE Germany		Hamburg	15.11.-19.11.10
Berlin	E 22.03.-26.03.10	Munich	13.12.-17.12.10
Frankfurt	17.05.-21.05.10	SCHEDULE Spain	
Hamburg	21.06.-25.06.10	Madrid	06.09.-10.09.10
Munich	E 19.07.-23.07.10		
Berlin	30.08.-03.09.10	E Training in English	

Implementing Cisco Intrusion Prevention System (IPS)



ID CI-IPS **Price** 2.490,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Experience in configuring Cisco IOS software
- CCNA certification or equivalent knowledge
- Familiarity with the networking and security terms and concepts

COURSE CONTENT

- Intrusion Prevention Overview
- Getting Started with the IPS Command Line Interface
- Using the IPS Device Manager
- Basic Sensor Configuration
- Cisco Intrusion Prevention System Signatures and Alarms

- Signature Engines; Signature Configuration
- Tuning the Sensor
- Alarm Monitoring and Management
- Configuring Blocking
- Cisco Intrusion Detection System Module
- Capturing Network Traffic
- Maintaining Sensors
- Verifying System Configuration
- Configuring Anomaly Detection, Passive OS fingerprinting, and CSA Collaboration

SCHEDULE Belgium		Frankfurt	23.02.-26.02.10	Hamburg	28.09.-01.10.10	Madrid	08.06.-11.06.10
Brussels	E 22.03.-25.03.10	Duesseldorf	09.03.-12.03.10	Hamburg	E 04.10.-07.10.10	Madrid	20.12.-23.12.10
Brussels	E 03.05.-06.05.10	Berlin	16.03.-19.03.10	Munich	12.10.-15.10.10	SCHEDULE Sweden	
SCHEDULE Bulgaria		Muenster	29.03.-01.04.10	Muenster	25.10.-28.10.10	Stockholm	16.02.-19.02.10
Sofia	E 15.03.-18.03.10	Hamburg	06.04.-09.04.10	Cologne	02.11.-05.11.10	Stockholm	18.05.-21.05.10
Sofia	E 02.08.-05.08.10	Munich	27.04.-30.04.10	Berlin	30.11.-03.12.10	SCHEDULE Switzerland	
Sofia	E 26.10.-29.10.10	Berlin	04.05.-07.05.10	SCHEDULE Netherlands		Zurich	19.04.-22.04.10
SCHEDULE Denmark		Munich	08.06.-11.06.10	Utrecht	E 22.02.-25.02.10	Zurich	06.09.-09.09.10
Copenhagen	E 09.02.-12.02.10	Munich	E 14.06.-17.06.10	Utrecht	E 25.05.-28.05.10	SCHEDULE Turkey	
Copenhagen	E 15.06.-18.06.10	Frankfurt	22.06.-25.06.10	SCHEDULE Serbia		Istanbul	E 22.03.-25.03.10
SCHEDULE France		Berlin	27.06.-30.06.10	Belgrade	E 29.03.-01.04.10	SCHEDULE United Kingdom	
Paris	02.02.-05.02.10	Hamburg	06.07.-09.07.10	Belgrade	E 23.08.-26.08.10	London	E 01.02.-04.02.10
Paris	E 29.06.-02.07.10	Berlin	E 02.08.-05.08.10	SCHEDULE Slovenia		London	E 01.06.-04.06.10
SCHEDULE Germany		Munich	17.08.-20.08.10	Ljubljana	E 21.06.-24.06.10	London	E 11.10.-14.10.10
Hamburg	E 15.02.-18.02.10	Duesseldorf	07.09.-10.09.10	SCHEDULE Spain		E Training in English	

CCSP Power Workshop (CCSPPW)

ID FL-CCSPPW **Price** 9.900,00 EUR (excl. VAT) **Duration** 15 Days

PREREQUISITES

- CCNA Security certification or equivalent knowledge

COURSE CONTENT

The CCSP Power Workshop provides accelerated preparation for CCSP certification in the shortest possible time. Training is intensive, with instruction ranging up to eleven hours daily on demand.

SCHEDULE Germany		SCHEDULE Poland	
Berlin	08.03.-26.03.10	Warsaw	04.10.-22.10.10
Hamburg	19.04.-07.05.10	SCHEDULE Spain	
Frankfurt	E 14.06.-02.07.10	Madrid	13.09.-01.10.10
Hamburg	16.08.-03.09.10	SCHEDULE Switzerland	
Munich	11.10.-29.10.10	Zurich	14.06.-02.07.10
Berlin	22.11.-10.12.10	E Training in English	

CCIE Preparation Lab Security (CCIESEC)

ID FL-CCIESEC **Price** 5.990,00 EUR (excl. VAT) **Duration** 10 Days

COURSE CONTENT

The CCIE Preparation Lab Security is an intensive, hands-on course which prepares the students for the challenging CCIE Security Lab exam.

SCHEDULE Germany		Berlin	E 04.10.-15.10.10
Frankfurt	08.02.-19.02.10	Munich	E 29.11.-10.12.10
Munich	19.04.-30.04.10	SCHEDULE Spain	
Berlin	E 14.06.-25.06.10	Madrid	12.07.-23.07.10
Hamburg	02.08.-13.08.10	E Training in English	



Implementing Cisco NAC Appliance (CANAC)

ID CI-CANAC **Price** 1.690,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Building Scalable Cisco Internetworks (BSCI), Building Cisco Multilayer Switched Networks (BCMSN) and Securing Networks with Cisco Routers & Switches (SNRS) courses

COURSE CONTENT

- Cisco NAC Endpoint Security Solutions
- Cisco NAC Appliance Common Elements Configuration
- Cisco NAC Appliance Implementation
- Cisco NAC Appliance Implementation Options
- Cisco NAC Appliance Monitoring and Administration

SCHEDULE Belgium	Hamburg	24.02.-26.02.10	Rome	30.06.-02.07.10	SCHEDULE Sweden
Brussels E 08.02.-10.02.10	Hamburg E 03.03.-05.03.10	Milan	20.12.-22.12.10	Stockholm	03.03.-05.03.10
SCHEDULE Bulgaria	Duesseldorf	30.03.-01.04.10	SCHEDULE Netherlands	Stockholm	12.05.-14.05.10
Sofia E 07.04.-09.04.10	Munich	10.05.-12.05.10	Utrecht E 26.04.-28.04.10	SCHEDULE Switzerland	
Sofia E 28.07.-30.07.10	Muenster	31.05.-02.06.10	SCHEDULE Poland	Zurich	01.03.-03.03.10
Sofia E 10.11.-12.11.10	Frankfurt	14.07.-16.07.10	Warsaw E 06.04.-08.04.10	Zurich	16.06.-18.06.10
SCHEDULE Denmark	Frankfurt E 21.07.-23.07.10	Berlin	SCHEDULE Serbia	Zurich	13.09.-15.09.10
Copenhagen E 24.02.-26.02.10	Berlin	11.08.-13.08.10	Belgrade E 10.03.-12.03.10	SCHEDULE Turkey	
Copenhagen E 09.06.-11.06.10	Duesseldorf	22.09.-24.09.10	Belgrade E 06.09.-08.09.10	Istanbul E 29.03.-31.03.10	
SCHEDULE France	Muenster	20.10.-22.10.10	SCHEDULE Slovenia	SCHEDULE United Kingdom	
Paris	Munich	03.11.-05.11.10	Ljubljana E 24.05.-26.05.10	Manchester E 07.04.-09.04.10	
Paris	Munich E 17.11.-19.11.10	SCHEDULE Spain	SCHEDULE Spain	London E 04.05.-06.05.10	
SCHEDULE Germany	SCHEDULE Italy	Madrid	Madrid	E Training in English	

Implementing Cisco Security Monitoring, Analysis & Response System (MARS)

ID CI-MARS **Price** 2.490,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- CCNA Security certification or equivalent experience
- Securing Networks with Cisco Routers & Switches (SNRS), Securing Networks with ASA Fundamentals (SNAF) and Implementing Cisco Intrusion Prevention System (IPS) courses recommended

COURSE CONTENT

- Introducing Security Monitoring, Analysis & Response System
- Understanding the System Architecture
- Configuring a Cisco Security MARS Appliance
- Adding Reporting and Mitigation Devices
- Viewing the Summary Page
- Managing Rules
- Understanding Queries and Reports
- Investigating and Mitigating Incidents
- Working with User-Defined Log Parser Templates
- Integrating with Cisco Security Manager
- Managing and Administering the System
- Troubleshooting and Optimizing Cisco Security MARS
- Using the Cisco Security MARS Global Controller

SCHEDULE Belgium	Berlin	07.12.-10.12.10	SCHEDULE Italy	
Brussels E 01.02.-04.02.10	Rome	06.04.-09.04.10	Milan	02.11.-05.11.10
Brussels E 25.05.-28.05.10	SCHEDULE Netherlands		SCHEDULE Netherlands	
SCHEDULE Bulgaria	Utrecht E 06.04.-09.04.10		SCHEDULE Serbia	
Sofia E 19.07.-22.07.10	Belgrade E 15.03.-18.03.10		Belgrade E 31.08.-03.09.10	
Sofia E 01.11.-04.11.10	SCHEDULE Slovenia		SCHEDULE Slovenia	
SCHEDULE Denmark	Ljubljana E 19.07.-22.07.10		SCHEDULE Spain	
Copenhagen E 02.03.-05.03.10	Madrid	05.07.-08.07.10	SCHEDULE Sweden	
Copenhagen E 29.06.-02.07.10	SCHEDULE Sweden		Stockholm	09.03.-12.03.10
SCHEDULE France	Stockholm	15.06.-18.06.10	Stockholm	15.06.-18.06.10
Paris	SCHEDULE Switzerland		SCHEDULE Switzerland	
Paris	Zurich	02.03.-05.03.10	Zurich	01.06.-04.06.10
SCHEDULE Germany	Zurich	13.09.-16.09.10	Zurich	06.12.-09.12.10
Hamburg	SCHEDULE Turkey		SCHEDULE Turkey	
Duesseldorf	Istanbul E 06.12.-09.12.10		SCHEDULE United Kingdom	
Duesseldorf E 23.03.-26.03.10	SCHEDULE United Kingdom		London	06.04.-09.04.10
Hamburg	London	04.10.-07.10.10	London	04.10.-07.10.10
Munich	E Training in English			
Frankfurt				
Frankfurt				
Frankfurt E 06.07.-09.07.10				
Hamburg				
Berlin				
Duesseldorf				
Hamburg				
Munich				
Munich E 26.10.-29.10.10				
Cologne				

Implementing Cisco Network Admission Control (NAC)

ID CI-NAC **Price** 1.890,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Certification as a CCSP or the equivalent knowledge

COURSE CONTENT

- Implementing Cisco NAC; Understanding Cisco NAC
- Configuring Cisco Secure ACS for Cisco NAC
- Configuring Cisco Routers for Cisco NAC
- Configuring Cisco Switches for Cisco NAC

- Configuring Cisco NAC Agents
- Configuring Wireless Access Points for Cisco NAC

SCHEDULE France	Munich	19.07.-21.07.10	
Paris	Frankfurt	06.09.-08.09.10	
Paris	Hamburg	18.10.-20.10.10	
SCHEDULE Germany	Frankfurt E 01.11.-03.11.10		
Frankfurt	Munich	22.11.-24.11.10	
Hamburg	SCHEDULE Spain		
Berlin	Madrid	21.07.-23.07.10	
Berlin E 31.05.-02.06.10	E Training in English		

Mitigating DDoS Using Cisco Guard & Traffic Anomaly Detector (DDOS)

ID CI-DDOS **Price** 1.390,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- CCNA certification or equivalent experience

- Understanding Cisco Guard & Traffic Anomaly Detector Reports
- Multi-Device Manager
- Cisco Guard and Traffic Anomaly Detector Module

COURSE CONTENT

- Introducing DDoS
- Mitigating DDoS Attacks
- Getting Started with the Cisco Guard & Traffic Anomaly Detector
- Configuring Zones
- Diverting Traffic
- Injecting Traffic

SCHEDULE Germany

Frankfurt	25.02.-26.02.10
Hamburg	08.04.-09.04.10
Berlin	E 10.05.-11.05.10
Berlin	31.05.-01.06.10
Frankfurt	09.06.-10.06.10
Munich	21.07.-22.07.10

Hamburg	21.10.-22.10.10
Frankfurt	E 04.11.-05.11.10
Munich	25.11.-26.11.10

SCHEDULE Spain

Madrid	30.03.-31.03.10
Madrid	09.12.-10.12.10

E Training in English

Advanced IPSec (AIPSEC)

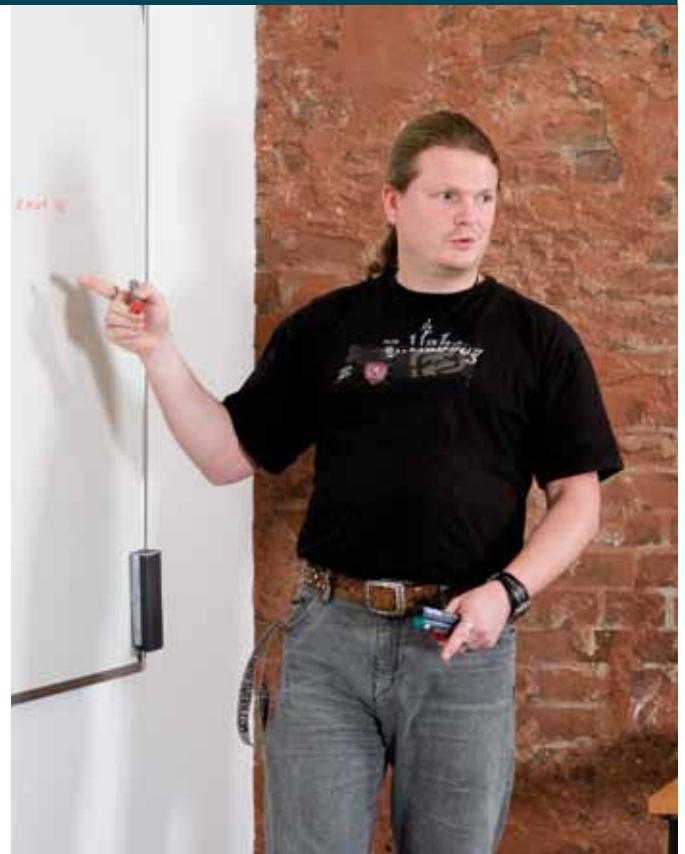
ID FL-AIPSEC **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 1 & 2 (ICND1, ICND2) and Implementing Cisco IOS Network Security (IINS) courses

COURSE CONTENT

- Cryptography Basics (3DES, AES, MD5, SHA)
- VPN Basics (IPSec, IPSec/GRE, IPSec/MPLS VPN)
- IPSec Standards (ESP, AH)
- IPSec Manual Keys
- IKE Standard (IKEv1, IKEv2)
- IPSec PKI Integration (incl. IOS CA)
- VPN Clients with EasyVPN (Software and Hardware Clients)
- TED
- DMVPN
- GET VPN
- IPSec Advanced Features (High Availability, NATT ...)



SCHEDULE Germany

Munich	01.02.-05.02.10	Hamburg	20.09.-24.09.10
Frankfurt	01.03.-05.03.10	Munich	18.10.-22.10.10
Frankfurt	E 15.03.-19.03.10	Frankfurt	15.11.-19.11.10
Berlin	29.03.-01.04.10	Frankfurt	E 22.11.-26.11.10
Hamburg	26.04.-30.04.10	Berlin	06.12.-10.12.10

SCHEDULE Switzerland

Munich	25.05.-28.05.10	Zurich	01.02.-05.02.10
Munich	E 31.05.-04.06.10	Zurich	E 03.05.-07.05.10
Frankfurt	05.07.-09.07.10	Zurich	16.08.-20.08.10
Berlin	16.08.-20.08.10	Zurich	29.11.-03.12.10
Berlin	E 23.08.-27.08.10		E Training in English

Designing Perimeter Security (DPS)

ID CI-DPS **Price** 1.490,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Building Cisco Multilayer Switched Networks (BCMSN), Building Scalable Cisco Internetworks (BSCI), Securing Networks with ASA Fundamentals (SNAF) courses

- Firewall Functionality
- Perimeter Security Design
- Perimeter Security Products

COURSE CONTENT

- Perimeter Security Analysis
- Network Address Translation (NAT) Solutions

SCHEDULE Germany

Hamburg	03.03.-05.03.10
Munich	E 07.04.-09.04.10
Berlin	19.05.-21.05.10
Frankfurt	31.05.-02.06.10
Munich	E 07.07.-09.07.10

Hamburg	25.08.-27.08.10
Berlin	29.09.-01.10.10
Frankfurt	03.11.-05.11.10

SCHEDULE Spain

Madrid	13.10.-15.10.10
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E Training in English

Security Solutions for System Engineers (SSSE)

ID CI-SSSE **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCDA certification

COURSE CONTENT

- Introduction to security design best practices for both host- and network-centric security controls
- Systematic overview of modern threats, controls, and defensive architectures for a variety of common business scenarios
- Practice labs, which demonstrate the application of security technologies used in the case studies within the course



SCHEDULE Germany

Munich	01.02.-05.02.10
Berlin	E 22.03.-26.03.10
Frankfurt	03.05.-07.05.10
Hamburg	28.06.-02.07.10
Munich	E 16.08.-20.08.10
Berlin	27.09.-01.10.10
Frankfurt	15.11.-19.11.10
Hamburg	13.12.-17.12.10

SCHEDULE Spain

Madrid	30.08.-03.09.10
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SCHEDULE Switzerland

Zurich	08.03.-12.03.10
Zurich	05.07.-09.07.10
Zurich	E 06.09.-10.09.10
Zurich	29.11.-03.12.10

E Training in English

RADIUS & TACACS+ with the Cisco Access Control Server (ACS)

ID FL-ACS **Price** 1.490,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- CCNA certification or equivalent knowledge

COURSE CONTENT

- Introduction: What is RADIUS: TLV, RADIUS packets, differentiation to TACACS+; The portfolio: ACS versions, licenses, ACS View
- Installation: Installation steps; Overview of the GUI and CLI
- Basic configuration: Setup of devices, groups and user; AAA configuration (Switch, Access Point, ASA)
- Authentication and Authorization: Behind the scenes: internal Authentication Flow; External databases: LDAP, AD, NAC Server; Proxy Authentication; Identity and Authorization Policies; Example: Command Authorization
- Operation and Maintenance: Software Upgrade; Logging, Logging Relay; Reports / Reporting / MARS; Cluster; CLI
- Scenarios: IP Phones; WLAN (AP, Controller); VPN Group / Policy Mapping; Downloadable ACLs; DOT1X



SCHEDULE Denmark

Copenhagen	E 04.02.-05.02.10
Copenhagen	E 26.05.-27.05.10

SCHEDULE France

Paris	07.06.-08.06.10
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SCHEDULE Germany

Berlin	24.02.-25.02.10
Hamburg	31.03.-01.04.10
Hamburg	E 08.04.-09.04.10
Duesseldorf	21.04.-22.04.10
Munich	10.05.-11.05.10
Frankfurt	31.05.-01.06.10
Berlin	07.07.-08.07.10

Frankfurt	21.07.-22.07.10
Hamburg	04.08.-05.08.10
Munich	01.09.-02.09.10
Frankfurt	29.09.-30.09.10
Berlin	20.10.-21.10.10
Berlin	E 03.11.-04.11.10
Hamburg	17.11.-18.11.10
Duesseldorf	01.12.-02.12.10
Munich	22.12.-23.12.10

SCHEDULE Sweden

Stockholm	E 06.04.-07.04.10
Stockholm	E 14.06.-15.06.10

E Training in English

Implementing Security Manager for Cisco Networks (SMN)

ID CI-SMN **Price** 1.990,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Securing Networks with Cisco Routers & Switches (SNRS) and Securing Networks with ASA Fundamentals (SNAF) courses

COURSE CONTENT

- Overview of Cisco Security Manager
- Understanding and configuration process of provisioning security devices using Cisco Security Manager
- FlexConfigs feature, managing deployment and administration tasks that can be performed in Cisco Security Manager

SCHEDULE Denmark

Copenhagen	E 10.03.-12.03.10
Copenhagen	E 07.07.-09.07.10

SCHEDULE France

Paris	17.02.-19.02.10
Paris	18.08.-20.08.10

SCHEDULE Germany

Frankfurt	10.02.-12.02.10
Hamburg	10.03.-12.03.10
Hamburg	E 17.03.-19.03.10
Berlin	07.04.-09.04.10
Munich	10.05.-12.05.10
Munich	E 26.05.-28.05.10
Frankfurt	16.06.-18.06.10
Hamburg	28.07.-30.07.10
Hamburg	E 18.08.-20.08.10

Berlin	01.09.-03.09.10
Munich	29.09.-01.10.10
Frankfurt	03.11.-05.11.10
Frankfurt	E 17.11.-19.11.10
Hamburg	24.11.-26.11.10
Berlin	20.12.-22.12.10

SCHEDULE Spain

Madrid	31.05.-02.06.10
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SCHEDULE Sweden

Stockholm	10.03.-12.03.10
Stockholm	23.06.-25.06.10

SCHEDULE Switzerland

Zurich	02.06.-04.06.10
Zurich	06.10.-08.10.10

E Training in English

Implementing Cisco IOS Unified Communications (IIUC)

ID CI-IIUC **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1) course

COURSE CONTENT

- Cisco Unified Communications Systems Introduction
- Cisco Unified Communications Manager Express Implementation
- Cisco Unity Express Implementation
- Cisco Smart Business Communications System Implementation



SCHEDULE Belgium	Stuttgart	26.04.-30.04.10	Muenster	13.12.-17.12.10	Madrid	19.07.-23.07.10
Brussels E 12.04.-16.04.10	Berlin	17.05.-21.05.10	SCHEDULE Italy		Madrid	29.11.-03.12.10
SCHEDULE Bulgaria	Munich	07.06.-11.06.10	Rome	08.03.-12.03.10	SCHEDULE Sweden	
Sofia E 03.05.-07.05.10	Munich E 14.06.-18.06.10	Berlin	Milan	12.04.-16.04.10	Stockholm	03.05.-07.05.10
Sofia E 20.09.-24.09.10	Berlin	21.06.-25.06.10	Rome	10.05.-14.05.10	SCHEDULE Switzerland	
SCHEDULE Denmark	Muenster	28.06.-02.07.10	Milan	14.06.-18.06.10	Zurich	12.04.-16.04.10
Copenhagen E 19.04.-23.04.10	Frankfurt	12.07.-16.07.10	Rome	20.09.-24.09.10	Zurich	12.07.-16.07.10
SCHEDULE France	Duesseldorf	02.08.-06.08.10	Milan	11.10.-15.10.10	Zurich	27.09.-01.10.10
Toulouse 12.04.-16.04.10	Munich	23.08.-27.08.10	Rome	08.11.-12.11.10	SCHEDULE Turkey	
Valbonne 12.04.-16.04.10	Frankfurt	13.09.-17.09.10	SCHEDULE Netherlands		Istanbul E 03.05.-07.05.10	
Paris 31.05.-04.06.10	Frankfurt E 20.09.-24.09.10	Frankfurt	Utrecht E 29.03.-02.04.10		Istanbul E 07.06.-11.06.10	
Paris 06.09.-10.09.10	Berlin	04.10.-08.10.10	Utrecht E 31.05.-04.06.10		SCHEDULE United Kingdom	
SCHEDULE Germany	Munich	25.10.-29.10.10	SCHEDULE Serbia		London E 19.04.-23.04.10	
Frankfurt 08.02.-12.02.10	Stuttgart	08.11.-12.11.10	Belgrade E 22.03.-26.03.10		London E 05.07.-09.07.10	
Berlin E 22.02.-26.02.10	Hamburg	15.11.-19.11.10	SCHEDULE Slovenia		London E 27.09.-01.10.10	
Munich 01.03.-05.03.10	Hamburg E 22.11.-26.11.10	Hamburg	Ljubljana E 13.09.-17.09.10		London E 13.12.-17.12.10	
Hamburg 22.03.-26.03.10	Munich	29.11.-03.12.10	SCHEDULE Spain			
Duesseldorf 12.04.-16.04.10	Duesseldorf	06.12.-10.12.10	Madrid	22.03.-26.03.10		

E Training in English

Implementing Cisco IOS Unified Communications Part 2 (IIUC2)

ID CI-IIUC2 **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Implementing Cisco IOS UC (IIUC) course

COURSE CONTENT

- Cisco Unified Communications Manager Express Fundamentals
- Configuration of Cisco UC Manager Express Features
- Implement Media Resources Overview
- Implement Cisco Unified CallConnector and Cisco Unified CallConnector Mobility
- Cisco Unity Express Voice Mail & AutoAttendant Configuration

- Cisco Unity Express VPIM Networking and Cisco Unified Messaging Gateway
- Troubleshooting Cisco IOS Software-Based Unified Communications



SCHEDULE Belgium	Duesseldorf	19.04.-23.04.10	Hamburg E 22.11.-26.11.10	Madrid	15.02.-19.02.10
Brussels E 17.05.-21.05.10	Stuttgart	03.05.-07.05.10	Munich 06.12.-10.12.10	Madrid	27.09.-01.10.10
SCHEDULE Bulgaria	Berlin	25.05.-28.05.10	Duesseldorf 13.12.-17.12.10	SCHEDULE Sweden	
Sofia E 10.05.-14.05.10	Munich E 14.06.-18.06.10	Berlin	SCHEDULE Italy	Stockholm	17.05.-21.05.10
SCHEDULE Denmark	Munich	14.06.-18.06.10	Milan	SCHEDULE Switzerland	
Copenhagen E 03.05.-07.05.10	Berlin	28.06.-02.07.10	Rome	Zurich	26.04.-30.04.10
SCHEDULE France	Frankfurt	19.07.-23.07.10	Rome	Zurich	26.07.-30.07.10
Paris 08.02.-12.02.10	Duesseldorf	09.08.-13.08.10	Milan	Zurich	11.10.-15.10.10
Paris 09.08.-13.08.10	Munich	30.08.-03.09.10	SCHEDULE Netherlands	SCHEDULE Turkey	
SCHEDULE Germany	Frankfurt E 20.09.-24.09.10	Frankfurt	Utrecht E 15.02.-19.02.10	Istanbul E 14.06.-18.06.10	
Frankfurt 15.02.-19.02.10	Frankfurt	20.09.-24.09.10	Utrecht E 19.04.-23.04.10	SCHEDULE United Kingdom	
Berlin E 22.02.-26.02.10	Berlin	11.10.-15.10.10	SCHEDULE Slovenia	London E 10.05.-14.05.10	
Munich 08.03.-12.03.10	Munich	02.11.-05.11.10	Ljubljana E 20.09.-24.09.10	London E 08.11.-12.11.10	
Hamburg 29.03.-01.04.10	Stuttgart	15.11.-19.11.10	SCHEDULE Spain		

E Training in English

Cisco Voice over IP (CVOICE)

ID CI-CVOICE **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Working knowledge of fundamental terms and concepts of computer networking to include LANs, WANs, and IP switching and routing
- Interconnecting Cisco Network Devices 2 (ICND2) course
- Ability to configure and operate Cisco routers and switches and to enable VLANs and DHCP
- Knowledge of traditional public switched telephone network (PSTN) operations and technologies

COURSE CONTENT

- Introducing Voice over IP
- Configuring Voice Ports
- Implementing VoIP Gateways
- Implementing Dial Plans on Voice Gateways
- Implementing H.323 Gatekeepers
- Connecting to an ITSP



SCHEDULE Belgium Brussels E 19.04.-23.04.10	Berlin 25.05.-28.05.10 Munich 14.06.-18.06.10	Rome 24.05.-28.05.10 Milan 28.06.-02.07.10	Madrid 25.10.-29.10.10
SCHEDULE Bulgaria Sofia E 30.08.-03.09.10	Stuttgart 14.06.-18.06.10 Berlin E 28.06.-02.07.10	Rome 27.09.-01.10.10 Milan 25.10.-29.10.10	SCHEDULE Sweden Stockholm 08.02.-12.02.10 Stockholm 17.05.-21.05.10
SCHEDULE Denmark Copenhagen E 01.02.-05.02.10 Copenhagen E 28.06.-02.07.10	Frankfurt 19.07.-23.07.10 Duesseldorf 09.08.-13.08.10	Rome 22.11.-26.11.10	SCHEDULE Switzerland Zurich 15.03.-19.03.10 Zurich 31.05.-04.06.10
SCHEDULE France Paris 15.02.-19.02.10 Valbonne 15.03.-19.03.10 Valbonne 03.05.-07.05.10 Paris 14.06.-18.06.10 Paris 27.09.-01.10.10	Munich 30.08.-03.09.10 Frankfurt E 20.09.-24.09.10 Frankfurt 20.09.-24.09.10 Muenster 04.10.-08.10.10 Berlin 11.10.-15.10.10 Hamburg 18.10.-22.10.10 Munich 01.11.-04.11.10 Stuttgart 15.11.-19.11.10	SCHEDULE Netherlands Utrecht E 22.02.-26.02.10 Utrecht E 12.04.-16.04.10 Utrecht E 07.06.-11.06.10	Zurich 02.08.-06.08.10 Zurich E 04.10.-08.10.10 Zurich 29.11.-03.12.10
SCHEDULE Germany Duesseldorf 08.02.-12.02.10 Frankfurt 15.02.-19.02.10 Munich E 08.03.-12.03.10 Hamburg 29.03.-01.04.10 Duesseldorf 19.04.-23.04.10 Stuttgart 03.05.-07.05.10 Frankfurt 17.05.-21.05.10	Hamburg 22.11.-26.11.10 Munich E 06.12.-10.12.10 Duesseldorf 13.12.-17.12.10	SCHEDULE Poland Warsaw E 08.03.-12.03.10	SCHEDULE Turkey Istanbul E 08.02.-12.02.10 Istanbul 05.04.-09.04.10 Istanbul E 03.05.-07.05.10
	SCHEDULE Italy Milan 01.03.-05.03.10 Rome 29.03.-02.04.10 Milan 26.04.-30.04.10	SCHEDULE Serbia Belgrade E 13.09.-17.09.10	SCHEDULE United Kingdom Glasgow E 01.02.-05.02.10 London E 15.03.-19.03.10 London E 24.05.-28.05.10 London E 02.08.-06.08.10 London E 11.10.-15.10.10 E Training in English
		SCHEDULE Slovenia Ljubljana E 19.07.-23.07.10 Ljubljana E 11.10.-15.10.10	
		SCHEDULE Spain Madrid 15.02.-19.02.10 Barcelona 03.05.-07.05.10 Madrid 17.05.-21.05.10 Madrid 19.07.-23.07.10	

Implementing Cisco Unified Communications Manager Part 1 (CIPT1)

ID CI-CIPT1 **Price** 2.690,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Computer networking, to include LANs, WANs, and IP switching and routing
- Ability to configure and operate Cisco routers and switches and to enable VLANs and DHCP
- Working knowledge of the Media Gateway Control Protocol (MGCP) and its implementation on Cisco IOS gateways

COURSE CONTENT

- Getting Started with Cisco UCM
- Administering Cisco UCM
- Enabling Single-Site On-Net Calling
- Enabling Single-Site Off-Net Calling
- Implementing Media Resources, Features and Applications



SCHEDULE Belgium Brussels E 15.02.-19.02.10 Brussels E 31.05.-04.06.10	Hamburg 06.04.-09.04.10 Berlin 19.04.-23.04.10 Duesseldorf 26.04.-30.04.10	Munich 08.11.-12.11.10 Stuttgart 22.11.-26.11.10 Hamburg 29.11.-03.12.10	Madrid 06.09.-10.09.10
SCHEDULE Bulgaria Sofia E 01.02.-05.02.10 Sofia E 06.09.-10.09.10	Stuttgart 17.05.-21.05.10 Berlin 07.06.-11.06.10 Leipzig 14.06.-18.06.10 Munich 21.06.-25.06.10	SCHEDULE Italy Rome 15.03.-19.03.10 Milan 10.05.-14.05.10 Rome 14.06.-18.06.10 Milan 04.10.-08.10.10 Milan 15.11.-19.11.10	SCHEDULE Sweden Stockholm 22.02.-26.02.10 Gothenburg 19.04.-23.04.10 Stockholm 31.05.-04.06.10
SCHEDULE Denmark Århus E 12.04.-16.04.10 Copenhagen E 05.07.-09.07.10	Duesseldorf 28.06.-02.07.10 Hamburg 12.07.-16.07.10 Berlin 19.07.-23.07.10	SCHEDULE Netherlands Utrecht E 08.03.-12.03.10 Utrecht E 17.05.-21.05.10	SCHEDULE Switzerland Zurich 15.02.-19.02.10 Zurich 31.05.-04.06.10 Zurich E 30.08.-03.09.10 Zurich 08.11.-12.11.10
SCHEDULE France Paris 22.03.-26.03.10 Valbonne 19.04.-23.04.10 Paris 19.07.-23.07.10 Paris 25.10.-29.10.10	Frankfurt 26.07.-30.07.10 Munich 09.08.-13.08.10 Duesseldorf 16.08.-20.08.10 Berlin 30.08.-03.09.10 Munich 06.09.-10.09.10	SCHEDULE Poland Warsaw E 24.05.-28.05.10	SCHEDULE Turkey Istanbul E 15.02.-19.02.10 Istanbul 22.03.-26.03.10 Istanbul E 10.05.-14.05.10
SCHEDULE Germany Hamburg 15.02.-19.02.10 Frankfurt 22.02.-26.02.10 Berlin 01.03.-05.03.10 Duesseldorf 08.03.-12.03.10 Munich 15.03.-19.03.10 Frankfurt 22.03.-26.03.10	Cologne 20.09.-24.09.10 Frankfurt 27.09.-01.10.10 Leipzig 04.10.-08.10.10 Munich 11.10.-15.10.10 Berlin 18.10.-22.10.10 Hamburg 25.10.-29.10.10	SCHEDULE Serbia Belgrade E 20.09.-24.09.10	SCHEDULE United Kingdom Manchester E 22.02.-26.02.10 Glasgow E 08.03.-12.03.10 London E 26.04.-30.04.10 London E 19.07.-23.07.10 London E 01.11.-05.11.10 E Training in English
		SCHEDULE Slovenia Ljubljana E 26.07.-30.07.10 Ljubljana E 25.10.-29.10.10	
		SCHEDULE Spain Madrid 08.03.-12.03.10	

Implementing Cisco Unified Communications Manager Part 2 (CIPT2)

ID CI-CIPT2 **Price** 2.690,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Working knowledge of converged voice and data networks
- Working knowledge of the MGCP, SIP, and H.323 and their implementation on Cisco IOS gateways
- Ability to configure and operate Cisco routers and switches
- Ability to configure and operate Cisco Unified Communications Manager in a single-site environment

COURSE CONTENT

- Implementing Multisite Deployments
- Implementing Centralized Call Processing Redundancy
- Implementing Bandwidth Management and Call Admission Control

- Implementing Features & Applications for Multisite Deployments
- Securing IP Telephony



SCHEDULE Belgium	Munich	22.03.-26.03.10	Hamburg	01.11.-05.11.10	Ljubljana	E 08.11.-12.11.10
Brussels	Frankfurt	29.03.-01.04.10	Muenster	08.11.-12.11.10	SCHEDULE Spain	
Brussels	Hamburg	12.04.-16.04.10	Munich	15.11.-19.11.10	Madrid	22.03.-26.03.10
SCHEDULE Bulgaria	Berlin	26.04.-30.04.10	Stuttgart	29.11.-03.12.10	Madrid	20.09.-24.09.10
Sofia	Duesseldorf	03.05.-07.05.10	Hamburg	06.12.-10.12.10	SCHEDULE Sweden	
Sofia	Stuttgart	25.05.-28.05.10	SCHEDULE Italy		Stockholm	01.03.-05.03.10
SCHEDULE Denmark	Berlin	14.06.-18.06.10	Milan	22.02.-26.02.10	Gothenburg	26.04.-30.04.10
Copenhagen	Leipzig	21.06.-25.06.10	Rome	12.04.-16.04.10	Stockholm	07.06.-11.06.10
Århus	Munich	28.06.-02.07.10	Milan	24.05.-28.05.10	SCHEDULE Switzerland	
Copenhagen	Duesseldorf	05.07.-09.07.10	Rome	05.07.-09.07.10	Zurich	01.03.-05.03.10
SCHEDULE France	Hamburg	19.07.-23.07.10	Milan	08.11.-12.11.10	Zurich	31.05.-04.06.10
Valbonne	Berlin	26.07.-30.07.10	Rome	29.11.-03.12.10	Zurich	13.09.-17.09.10
Paris	Frankfurt	02.08.-06.08.10	SCHEDULE Netherlands		Zurich	06.12.-10.12.10
Valbonne	Munich	16.08.-20.08.10	Utrecht	E 22.03.-26.03.10	SCHEDULE Turkey	
Paris	Duesseldorf	23.08.-27.08.10	Utrecht	E 31.05.-04.06.10	Istanbul	E 22.02.-26.02.10
Paris	Berlin	06.09.-10.09.10	SCHEDULE Poland		SCHEDULE United Kingdom	
SCHEDULE Germany	Munich	13.09.-17.09.10	Warsaw	E 07.06.-11.06.10	London	E 08.02.-12.02.10
Munich	Cologne	27.09.-01.10.10	SCHEDULE Serbia		Glasgow	E 22.03.-26.03.10
Hamburg	Frankfurt	04.10.-08.10.10	Belgrade	E 01.02.-05.02.10	London	E 17.05.-21.05.10
Frankfurt	Leipzig	11.10.-15.10.10	Belgrade	E 27.09.-01.10.10	London	E 09.08.-13.08.10
Berlin	Munich	18.10.-22.10.10	SCHEDULE Slovenia		London	E 15.11.-19.11.10
Duesseldorf	Berlin	25.10.-29.10.10	Ljubljana	E 02.08.-06.08.10	E Training in English	

CIPT 1 & 2 Power Workshop (CIPTPW)

ID FL-CIPTPW **Price** 4.990,00 EUR (excl. VAT) **Duration** 8 Days

PREREQUISITES

- CCNA certification or equivalent knowledge

COURSE CONTENT

The CIPT 1 & 2 Power Workshop comprises the following courses:

- Implementing Cisco Unified Communications Manager Part 1 (CIPT1) and Part 2 (CIPT2)

SCHEDULE Germany	Hamburg	20.09.-29.09.10
Munich	Munich	E 18.10.-27.10.10
Frankfurt	Frankfurt	08.11.-17.11.10
Berlin	Berlin	29.11.-08.12.10
Hamburg	SCHEDULE Switzerland	
Munich	Zurich	08.03.-17.03.10
Frankfurt	Zurich	29.11.-08.12.10
Berlin	E Training in English	

CCVP Power Workshop (CCVPPW)

ID FL-CCVPPW **Price** 9.900,00 EUR (excl. VAT) **Duration** 15 Days

PREREQUISITES

- CCNA certification or equivalent knowledge

COURSE CONTENT

The CCVP Power Workshop comprises the following courses:

- Implementing Cisco Quality of Service (QoS)
- Implementing Cisco UC Manager (CIPT1, CIPT2)

- Cisco Voice over IP (CVOICE)
- Troubleshooting Cisco Unified Communications Systems (TUC)

SCHEDULE Germany	Berlin	E 29.11.-17.12.10
Hamburg	SCHEDULE Poland	
Berlin	Warsaw	E 13.09.-01.10.10
Munich	SCHEDULE Spain	
Hamburg	Madrid	10.05.-28.05.10
Frankfurt	E Training in English	

Troubleshooting Cisco Unified Communications Systems (TUC)

ID CI-TUC **Price** 2.750,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Implementing Cisco Quality of Service (QoS), Implementing Cisco Unified Communications Manager Part 1 (CIPT1) and Implementing Cisco Unified Communications Manager Part 2 (CIPT2) courses

COURSE CONTENT

- Troubleshooting Methodology
- Analyzing and Isolating Problems
- Common Unified Communications Problems Symptoms
- Fixing Problems
- Services, Resources and Tools for Troubleshooting



SCHEDULE Belgium	Hamburg	13.12.-17.12.10
Brussels E 15.03.-19.03.10	SCHEDULE Italy	
Brussels E 14.06.-18.06.10	Milan	21.06.-25.06.10
SCHEDULE Bulgaria	Rome	02.11.-05.11.10
Sofia E 22.02.-26.02.10	SCHEDULE Netherlands	
Sofia E 20.09.-24.09.10	Utrecht E 29.03.-02.04.10	
SCHEDULE Denmark	Utrecht E 17.05.-21.05.10	
Copenhagen E 01.03.-05.03.10	SCHEDULE Poland	
Copenhagen E 07.06.-11.06.10	Warsaw E 21.06.-25.06.10	
SCHEDULE France	SCHEDULE Serbia	
Valbonne 01.03.-05.03.10	Belgrade E 08.02.-12.02.10	
Paris 17.05.-21.05.10	Belgrade E 04.10.-08.10.10	
Paris 04.10.-08.10.10	SCHEDULE Slovenia	
SCHEDULE Germany	Ljubljana E 16.08.-20.08.10	
Hamburg 15.02.-19.02.10	Ljubljana E 15.11.-19.11.10	
Frankfurt 08.03.-12.03.10	SCHEDULE Spain	
Berlin 15.03.-19.03.10	Madrid 22.02.-26.02.10	
Munich 29.03.-01.04.10	Madrid 04.10.-08.10.10	
Hamburg 19.04.-23.04.10	SCHEDULE Sweden	
Berlin 03.05.-07.05.10	Stockholm 08.03.-12.03.10	
Duesseldorf 17.05.-21.05.10	Stockholm 14.06.-18.06.10	
Stuttgart 07.06.-11.06.10	SCHEDULE Switzerland	
Berlin 21.06.-25.06.10	Zurich 15.02.-19.02.10	
Munich 05.07.-09.07.10	Zurich 17.05.-21.05.10	
Hamburg 26.07.-30.07.10	Zurich E 16.08.-20.08.10	
Frankfurt 09.08.-13.08.10	Zurich 22.11.-26.11.10	
Duesseldorf 30.08.-03.09.10	SCHEDULE Turkey	
Berlin 13.09.-17.09.10	Istanbul E 01.03.-05.03.10	
Munich 20.09.-24.09.10	Istanbul E 31.05.-04.06.10	
Frankfurt 11.10.-15.10.10	SCHEDULE United Kingdom	
Berlin 01.11.-05.11.10	London E 01.03.-05.03.10	
Hamburg 08.11.-12.11.10	London E 20.09.-23.09.10	
Munich 22.11.-26.11.10	E Training in English	

Cisco Unified Communications Advanced Troubleshooting (CUCAT)

ID CI-CUCAT **Price** 1.690,00 EUR (excl. VAT) **Duration** 3 Days

More than 80% Lab Time!

PREREQUISITES

- Prior knowledge of VoIP concepts and components, CUCM, Cisco IOS gateways and media resources, IP infrastructure, as well as an understanding of traditional telephony

COURSE CONTENT

- Call Manager architecture; Telephony concepts review; Cisco IOS Voice concepts; Cisco IOS Voice call-processing (inbound/outbound dial-peers); Signaling protocols review; Quality of Service; Failure scenarios

LABS

- PSTN / PBX connections in single / multisite environments; Voice gateways, MGCP, SIP, H323; ISDN, CLID no screening, TON, overlapping sending / receiving; Variable lengths number plans; CUCM single / multisite; CUCM distributed processing; SRST / SRST using CME; Media Resources local / distributed; CUCM connected to SIP Service Provider; CUCM connected with SIP endpoints; CUCM connected to CME / non CISCO VOIP; CUBE; Mobility: Device Mobility; Extension Mobility; Mobile Voice Access; QoS / Call Admission Control; Call Routing (local route groups); Digit Manipulation: Translation Pattern; Calling Party Transformation; Called Party Transformation; Number Globalization (E164); Number Localization; IP Infrastructure failures

SCHEDULE Germany	Berlin	E 20.09.-22.09.10
Berlin 08.02.-10.02.10	Frankfurt 18.10.-20.10.10	
Frankfurt E 15.03.-17.03.10	Hamburg 15.11.-17.11.10	
Hamburg 26.04.-28.04.10	Munich E 29.11.-01.12.10	
Munich 12.07.-14.07.10	E Training in English	

Cisco Unified Communications Presales & Design (CUCPD)

ID CI-CUCPD **Price** 1.750,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Cisco Voice over IP (CVOICE) and Implementing Cisco Unified Communications Manager Part 1 (CIPT1) courses

COURSE CONTENT

- Cisco UC Manager Express & Cisco Unity Express; Cisco Unified

Communications Manager; Cisco Unity; Quality of Service

SCHEDULE Germany	SCHEDULE Spain
Frankfurt 22.03.-26.03.10	Madrid 24.05.28.05.10
Hamburg E 31.05.04.06.10	SCHEDULE Switzerland
Berlin 16.08.20.08.10	Zurich 14.06.18.06.10
Munich E 25.10.29.10.10	
Frankfurt 22.11.26.11.10	E Training in English

Cisco Unified Presence Design & Implementation (PRSDI)



ID CI-PRSDI **Price** 1.790,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Working knowledge of converged voice and data networks
- Working knowledge of MGCP, SIP, and H.323
- Ability to configure Cisco Unified Communications Manager

COURSE CONTENT

- Presence Overview; Cisco Unified Communications Manager Presence; Cisco Unified Communications Manager Express Presence; Design Cisco Unified Presence & Cisco Unified Presence Server; Design Cisco Unified Presence Security; Cisco Unified Personal Communicator; Cisco IP Phone Messenger Application; Cisco Unified Presence Interoperability; Cisco Product Integration; Third-Party Presence Server Integration; Deploy and Installing Cisco Unified Presence; Cisco Unified Communications Manager

Configuration; Cisco Unified Presence Configuration; Microsoft Integration; IBM Lotus Sametime Integration; Maintain Cisco Unified Presence; Cisco Unified Presence Serviceability; Operating System Administration; Disaster Recovery

SCHEDULE Belgium

Brussels **E** 01.02.-03.02.10
Brussels **E** 10.05.-12.05.10

SCHEDULE Germany

Munich 03.02.-05.02.10
Munich **E** 03.03.-05.03.10
Frankfurt 07.04.-09.04.10
Berlin **E** 28.04.-30.04.10
Berlin 31.05.-02.06.10
Hamburg 04.08.-06.08.10
Munich **E** 25.08.-27.08.10
Munich 06.10.-08.10.10
Munich 17.11.-19.11.10

SCHEDULE Netherlands

Utrecht **E** 06.04.-08.04.10

SCHEDULE Poland

Warsaw **E** 08.09.-10.09.10

SCHEDULE Slovenia

Ljubljana **E** 08.09.-10.09.10

SCHEDULE Spain

Madrid 16.06.-18.06.10

SCHEDULE Turkey

Istanbul **E** 29.03.-31.03.10

SCHEDULE United Kingdom

London **E** 29.03.-31.03.10
E Training in English

Cisco Unified Communications Architecture & Design (UCAD)

ID CI-UCAD **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCDA certification or equivalent experience

COURSE CONTENT

- Cisco Unified Communications solution components; Designing the LAN for a Cisco UC solution; Designing the WAN for a Cisco UC solution; Designing the Call Control component

SCHEDULE Belgium

Brussels **E** 01.03.-05.03.10
Brussels **E** 07.06.-11.06.10

SCHEDULE Denmark

Copenhagen **E** 08.03.-12.03.10
Copenhagen **E** 28.06.-02.07.10

SCHEDULE France

Paris 03.05.-07.05.10
Paris 02.08.-06.08.10
Paris 29.11.-03.12.10

SCHEDULE Germany

Munich **E** 22.02.-26.02.10

Munich 15.03.-19.03.10

Berlin 19.04.-23.04.10

Hamburg 17.05.-21.05.10

Hamburg **E** 07.06.-11.06.10

Frankfurt 14.06.-18.06.10

Munich 12.07.-16.07.10

Hamburg 09.08.-13.08.10

Berlin **E** 23.08.-27.08.10

Berlin 06.09.-10.09.10

Hamburg 04.10.-08.10.10

Frankfurt **E** 18.10.-22.10.10

Duesseldorf 08.11.-12.11.10

Munich 06.12.-10.12.10

SCHEDULE Italy

Milan 01.03.-05.03.10

Milan 28.06.-02.07.10

Milan 22.11.-26.11.10

SCHEDULE Netherlands

Utrecht **E** 19.04.-23.04.10

SCHEDULE Poland

Warsaw **E** 05.07.-09.07.10

SCHEDULE Slovenia

Ljubljana **E** 27.09.-01.10.10

SCHEDULE Spain

Madrid 19.07.-23.07.10

SCHEDULE Sweden

Stockholm 15.03.-19.03.10

Stockholm 28.06.-02.07.10

SCHEDULE Switzerland

Zurich 19.04.-23.04.10

Zurich 16.08.-20.08.10

Zurich 20.12.-24.12.10

SCHEDULE United Kingdom

London **E** 08.03.-12.03.10

London **E** 13.09.-17.09.10

E Training in English

Implementing Cisco Unified Communications Manager v7.0 Features (UCM70)

ID CI-UCM70 **Price** 1.790,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Implementing Cisco Unified Communications Manager Part 1 and 2 (CIPT1, CIPT2)

COURSE CONTENT

- Overview of Cisco Unified Communications Manager Release 7.0
- Overview of Installation Options
- Cisco Unified Communications Manager v7 Migration from v5 and v6
- Migration from Cisco Unified CallManager v4 to v7
- New Features in Cisco Unified Communications Manager 7.0
- E.164 Support
- Global transformations
- Local route Groups
- Configuring Unified Mobility Enhancements in Cisco Unified Communications Manager v7.0



SCHEDULE Belgium

Brussels 29.03.-31.03.10
Brussels **E** 14.06.-16.06.10

SCHEDULE Germany

Berlin **E** 17.02.-19.02.10
Frankfurt 17.03.-19.03.10

Berlin 05.05.-07.05.10

Munich 07.07.-09.07.10

Munich **E** 04.08.-06.08.10

Frankfurt 08.09.-10.09.10

Hamburg 10.11.-12.11.10

Berlin **E** 08.12.-10.12.10

SCHEDULE Italy

Milan 15.02.-17.02.10

Rome 30.06.-02.07.10

Milan 13.09.-15.09.10

Rome 09.12.-11.12.10

SCHEDULE Netherlands

Utrecht **E** 08.02.-10.02.10

Utrecht **E** 10.05.-12.05.10

SCHEDULE Switzerland

Zurich 08.02.-10.02.10

Zurich 10.05.-12.05.10

Zurich 20.09.-22.09.10

Zurich 22.11.-24.11.10

SCHEDULE United Kingdom

London **E** 04.05.-06.05.10

E Training in English

Administering Cisco Unified Communications Manager 7.0 (ACUCM)

ID CI-ACUCM **Price** 1.890,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Working knowledge of Microsoft Windows 2000 / XP
- Working knowledge of Microsoft Exchange or Lotus Domino messaging environment
- Working knowledge of the features and benefits of a PBX (CallManager preferred)
- Basic IP telephony concepts



COURSE CONTENT

- Reviewing Telephony and IP Phones; comparing Legacy and IP Telephony Technology
- Cisco Architecture for Voice, Video and Integrated Data
- Networking Terms and Concepts
- What's new in CUCM 5 & 6
- CUCM 6 Mobility feature set
- Introducing Cisco IP Phones
- An Overview of a Cisco Unified Communications System
- Understanding Cisco Unity Global Subscriber Settings

- Understanding Cisco Unity Subscriber Accounts and Settings
- Monitoring Unified Communications Systems
- Maintaining Unified Communications Systems
- Reporting in Unified Communications Systems

SCHEDULE Belgium

Brussels **E** 10.02.-12.02.10
 Brussels **E** 07.04.-09.04.10

SCHEDULE Germany

Frankfurt 03.02.-05.02.10
 Berlin **E** 03.03.-05.03.10
 Hamburg 30.03.-01.04.10
 Berlin 10.05.-12.05.10
 Hamburg **E** 26.05.-28.05.10
 Munich 16.06.-18.06.10
 Berlin 21.07.-23.07.10
 Munich **E** 18.08.-20.08.10
 Frankfurt 08.09.-10.09.10
 Hamburg 20.10.-22.10.10
 Berlin 01.11.-03.11.10
 Frankfurt **E** 10.11.-12.11.10

SCHEDULE Italy

Milan 06.04.-08.04.10
 Rome 07.06.-09.06.10
 Milan 27.09.-29.09.10

Rome 20.12.-22.12.10

SCHEDULE Netherlands

Utrecht **E** 15.02.-17.02.10
 Drachten **E** 19.04.-21.04.10
 Utrecht **E** 26.04.-28.04.10
 Utrecht **E** 21.06.-23.06.10

SCHEDULE Switzerland

Zurich 03.03.-05.03.10
 Zurich 16.06.-18.06.10
 Zurich 22.09.-24.09.10
 Zurich 06.12.-08.12.10

SCHEDULE United Kingdom

London **E** 17.02.-19.02.10
 Manchester **E** 22.03.-24.03.10
 Glasgow **E** 26.04.-28.04.10
 London **E** 04.05.-06.05.10
 London **E** 12.07.-14.07.10
 London **E** 08.11.-10.11.10

E Training in English

Administering Cisco Unified Messaging (AUM)

ID CI-AUM **Price** 1.190,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- Understanding of Microsoft Windows Server and Microsoft Exchange

COURSE CONTENT

- Cisco Unified Communications System Hardware
- Cisco Unified Communications System Software
- Cisco Unity Connection overview
- Cisco Unified Communications Integrations
- Unified Communications Networking
- Unified Communications Maintenance and Utilities



SCHEDULE Germany

Berlin **E** 15.02.-16.02.10
 Frankfurt 15.03.-16.03.10
 Berlin 03.05.-04.05.10
 Munich 05.07.-06.07.10

Munich **E** 02.08.-03.08.10
 Frankfurt 06.09.-07.09.10
 Hamburg 08.11.-09.11.10
 Berlin **E** 06.12.-07.12.10

E Training in English

Implementing Cisco Unified Messaging (IUM)

ID CI-IUM **Price** 2.650,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Solid understanding of Microsoft Windows, Microsoft Exchange, or IBM Lotus Domino
- Ability to program telephone switching equipment

COURSE CONTENT

- Cisco Unified Communications System Overview; Unity Connection; Cisco Unified Communications General Setup; Unified Communications Subscribers: A Complete Reference; Unified Communications System Monitoring and Maintenance

SCHEDULE Belgium

Brussels **E** 26.04.-30.04.10

SCHEDULE Bulgaria

Sofia **E** 07.06.-11.06.10

SCHEDULE France

Paris 29.03.-02.04.10
 Paris 23.08.-27.08.10

SCHEDULE Germany

Hamburg 01.03.-05.03.10
 Munich **E** 22.03.-26.03.10
 Berlin 26.04.-30.04.10
 Frankfurt 21.06.-25.06.10
 Frankfurt **E** 12.07.-16.07.10
 Hamburg 09.08.-13.08.10
 Berlin 04.10.-08.10.10
 Berlin **E** 08.11.-12.11.10

Frankfurt 29.11.-03.12.10

SCHEDULE Netherlands

Utrecht **E** 22.02.-26.02.10
 Utrecht **E** 17.05.-21.05.10

SCHEDULE Poland

Warsaw **E** 12.07.-16.07.10

SCHEDULE Slovenia

Ljubljana **E** 04.10.-08.10.10

SCHEDULE Spain

Madrid 17.05.-21.05.10
 Madrid 29.11.-03.12.10

SCHEDULE Turkey

Istanbul **E** 05.07.-09.07.10

SCHEDULE United Kingdom

London **E** 15.03.-19.03.10

E Training in English

Implementing Cisco Unity Connection (IUC)

ID CI-IUC **Price** 2.490,00 EUR (excl. VAT) **Dauer** 4 Days

PREREQUISITES

- Basic networking, voice and unified messaging skills

COURSE CONTENT

- Cisco Unity Connection Basics
- Installation of Cisco Unity Connection
- Integrating, Troubleshooting, and Monitoring Cisco Unity Connection
- Migration to Cisco Unity Connection Using COBRAS

- Configuration of Cisco Unity Connection Global System Operating Parameters
- Configuration of Cisco Unity Connection User Operation

SCHEDULE Germany

Frankfurt	02.02.-05.02.10
Frankfurt	E 23.02.-26.02.10
Munich	29.03.-01.04.10
Munich	E 06.04.-09.04.10
Berlin	25.05.-28.05.10
Berlin	E 15.06.-18.06.10
Hamburg	06.07.-09.07.10

Munich	E 17.08.-20.08.10
Frankfurt	07.09.-10.09.10
Munich	02.11.-05.11.10
Munich	E 30.11.-03.12.10
SCHEDULE Netherlands	
Utrecht	E 01.02.-04.02.10
Utrecht	E 26.04.-29.04.10
E Training in English	

Cisco Unity Design & Networking (CUDN)

ID CI-CUDN **Price** 2.390,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Implementing Cisco Unified Communications Manager Part 1 (CIPT1) and Implementing Cisco Unified Messaging (IUM) courses

COURSE CONTENT

- Design a Unity Solution
- Infrastructure Components Affecting Unity Design
- Large-Scale, Voicemail-Only Systems
- Cisco Unity Deployment Models
- Voicemail Interoperability

SCHEDULE Bulgaria

Sofia	E 15.06.-18.06.10
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SCHEDULE France

Valbonne	06.04.-09.04.10
Paris	08.06.-11.06.10
Paris	14.09.-17.09.10

SCHEDULE Germany

Berlin	09.02.-12.02.10
Munich	E 02.03.-05.03.10
Munich	16.03.-19.03.10
Frankfurt	20.04.-23.04.10
Hamburg	08.06.-11.06.10
Frankfurt	E 29.06.-02.07.10
Frankfurt	13.07.-16.07.10
Munich	24.08.-27.08.10
Berlin	E 14.09.-17.09.10

Berlin	28.09.-01.10.10
Frankfurt	26.10.-29.10.10
Berlin	23.11.-26.11.10

SCHEDULE Netherlands

Utrecht	E 26.04.-29.04.10
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SCHEDULE Poland

Warsaw	E 20.07.-23.07.10
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SCHEDULE Slovenia

Ljubljana	E 21.06.-24.06.10
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SCHEDULE Spain

Madrid	01.02.-04.02.10
Madrid	20.09.-23.09.10

SCHEDULE Turkey

Istanbul	E 12.07.-15.07.10
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E Training in English

Implementing Unified Communications Security (IUCS)

ID CI-IUCS **Price** 2.590,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Implementing Cisco IOS Unified Communications (IIUC), Cisco Voice over IP (CVOICE) and Implementing Cisco Unified Communications Manager 1 (CIPT1) courses

COURSE CONTENT

- Introduction to Unified Communications Security
- Implementing Infrastructure Security
- Securing Single Site Deployments

- Securing Multi-site Deployments
- Securing VoIP Internetworking
- Securing Unified Communication Applications

SCHEDULE Germany

Berlin	26.04.-30.04.10
Berlin	E 17.05.-21.05.10
Hamburg	14.06.-18.06.10
Munich	19.07.-23.07.10
Munich	E 02.08.-06.08.10
Berlin	30.08.-03.09.10
Hamburg	11.10.-15.10.10

Hamburg	E 25.10.-29.10.10
Frankfurt	29.11.-03.12.10

SCHEDULE Spain

Madrid	27.09.-01.10.10
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SCHEDULE Switzerland

Zurich	01.02.-05.02.10
Zurich	16.08.-20.08.10

E Training in English

High-density Media Gateway Configuration & Operations (HMGCO)

ID CI-HMGCO **Price** 1.790,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- MGX Media Gateway Applications; MGX 8800 High-Density Media Gateway System Description; VXSM Functional Overview; Initial Setup of the MGX Media Gateway; Configuration of the TDM Lines; Bearer Configuration; Setting Up Hardware Redundancy; Setting Up Network Synchronization; Setting Up PNNI Links; Provisioning Voice over AAL2 (VoAAL2) Trunked Services; Setting

Up of the RPM; Configuring Virtual Circuits for Switched VoIP; Provisioning VoIP Basic Services (H.248); Provisioning VoIP Basic Services (xGCP); Provisioning VoIP Enhanced Services

SCHEDULE Germany

Hamburg	17.03.-19.03.10
Munich	E 28.04.-30.04.10
Frankfurt	31.05.-02.06.10
Berlin	E 07.07.-09.07.10

Hamburg	18.08.-20.08.10
Berlin	06.10.-08.10.10
Munich	E 02.11.-04.11.10
Frankfurt	24.11.-26.11.10
E Training in English	

Cisco Unified Contact Center Training



Cisco Unified Contact Center Power Workshop (CUCCPW)

ID CI-CUCCPW **Price** 5.650,00 EUR (excl. VAT) **Duration** 10 Days

PREREQUISITES

- Familiarity with your call center operations
- Implementing Cisco Unified Communications Manager Part 2 (CIPT2) course
- Unified Contact Center Express (UCCXD) recommended

COURSE CONTENT

- Contact Center & Routing; ICM Components & Concepts; ICM Options & Integration; ICM Routing; Boston Site Configuration; ICM Script Editor; Database Routing; Translation Routing; Adding a Second Site; ICM Reporting; Configuration Labs; Architecture & Deployment; Lab Design; Lab Software; ICM Monitoring & Troubleshooting; IP Contact Center & Routing; IPCC Components & Concepts; IPCC Routing; IPCC Deployment Planning; Enterprise IPCC vs. System IPCC



SCHEDULE Germany

Frankfurt	08.02.-19.02.10
Berlin	15.03.-26.03.10
Munich	19.04.-30.04.10
Frankfurt	05.07.-16.07.10
Munich	02.08.-13.08.10
Hamburg	13.09.-24.09.10
Hamburg	E 27.09.-08.10.10

Berlin 08.11.-19.11.10

SCHEDULE Slovenia

Ljubljana **E** 03.05.-14.05.10

SCHEDULE Spain

Madrid 05.07.-16.07.10

SCHEDULE Switzerland

Zurich 23.08.-03.09.10

E Training in English

Unified Contact Center Express & Unified IP IVR Deployment (UCCXD)

ID CI-UCCXD **Price** 2.890,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Internetworking fundamentals, Basic IP telephony fundamentals, Cisco Unified Communications Manager deployments, Cisco IP Phones and Cisco IP Communicator, Contact Center Operations, Microsoft Windows Server 2000, 2003, XP, MS SQL 2000, MSDE databases

COURSE CONTENT

- CRS Product Overview; CRS Design and Ordering; Installation & Configuration; Script Editor; Creating Scripts and Applications; Configuring UCCX ACD; Creating Scripts for Contact Centers; Using CDA; Supervisor Remote Monitoring; Using ASR and TTS; Outbound Preview Dialing; Reporting; Troubleshooting

SCHEDULE Belgium

Brussels	E 01.02.-05.02.10
Brussels	E 26.04.-30.04.10

SCHEDULE France

Valbonne	26.04.-30.04.10
Paris	21.06.-25.06.10
Paris	11.10.-15.10.10

SCHEDULE Germany

Frankfurt	08.02.-12.02.10
Frankfurt	E 22.02.-26.02.10
Hamburg	22.03.-26.03.10
Berlin	26.04.-30.04.10
Berlin	E 03.05.-07.05.10
Frankfurt	07.06.-11.06.10
Munich	12.07.-16.07.10
Munich	E 19.07.-23.07.10
Hamburg	23.08.-27.08.10
Berlin	04.10.-08.10.10
Berlin	E 18.10.-22.10.10
Frankfurt	15.11.-19.11.10

Berlin 13.12.-17.12.10

SCHEDULE Italy

Milan 17.05.-21.05.10

SCHEDULE Netherlands

Utrecht **E** 29.03.-02.04.10

Utrecht **E** 31.05.-04.06.10

SCHEDULE Poland

Warsaw **E** 28.06.-02.07.10

SCHEDULE Slovenia

Ljubljana **E** 28.06.-02.07.10

SCHEDULE Spain

Madrid 05.04.-09.04.10

Madrid 08.11.-12.11.10

SCHEDULE Switzerland

Zurich **E** 03.05.-06.05.10

Zurich **E** 20.09.-24.09.10

SCHEDULE United Kingdom

London **E** 17.05.-21.05.10

London **E** 15.11.-19.11.10

E Training in English

Unified Contact Center Express Advanced (UCCXA)

ID CI-UCCXA **Price** 2.590,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Unified Contact Center Express (UCCXD) course

COURSE CONTENT

- Session management; Build Common Utilities; Basic ACD Routing; Common / Good Practices; Database Setup / Steps; Advanced ACD Routing; Advanced ACD Callback Options;

Advanced Database Configuration; Agent Desktop Configuration

SCHEDULE Germany

Berlin	16.02.-19.02.10
Frankfurt	E 06.04.-09.04.10
Hamburg	04.05.-07.05.10
Berlin	E 22.06.-25.06.10
Munich	03.08.-06.08.10
Frankfurt	14.09.-17.09.10

Berlin **E** 05.10.-08.10.10

Munich 02.11.-05.11.10

Hamburg **E** 23.11.-26.11.10

SCHEDULE Italy

Milan 21.06.-24.06.10

Rome 22.11.-25.11.10

E Training in English

Implementing Cisco Unified E-Mail and Web Interaction Manager Enterprise (UEIME)

ID CI-UEIME **Price** 2.390,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Experience with Windows 2003 OS and Internet Information Server (IIS)
- Databases (SQL, stored procedures, administration, ODBC) - SQL Server 2000 / 2005
- Web site / application development (Programming, debugging, testing) - HTML, JavaScript
- Ability to deploy and configure of Cisco Unified Contact Center Enterprise (Unified CCE)

COURSE CONTENT

- Features of Cisco Unified EIM and Cisco Unified WIM
- Architecture Installation Planning and Environment Installation
- User Management
- The Knowledge Base
- Administration
- Agent Console
- Cisco Unified CCE Integration and Configuration
- Cisco Unified Web Interaction Manager
- Management Tools: Monitors and Reporting



SCHEDULE Germany

Berlin 01.03.-05.03.10
 Berlin **E** 08.03.-12.03.10
 Hamburg 17.05.-21.05.10
 Frankfurt 19.07.-23.07.10
 Berlin **E** 23.08.-27.08.10
 Berlin 27.09.-01.10.10
 Munich 22.11.-26.11.10

SCHEDULE Italy

Rome 27.09.-01.10.10
SCHEDULE Netherlands
 Utrecht **E** 12.04.-16.04.10
SCHEDULE Slovenia
 Ljubljana **E** 14.06.-18.06.10
SCHEDULE United Kingdom
 London **E** 17.05.-21.05.10
 Windsor **E** 01.11.-05.11.10
E Training in English

Workforce Management Express (WFMX)

ID CI-WFMX **Price** 1.590,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Familiarity with Unified Contact Center Express architecture and configuration

COURSE CONTENT

- WFM Introduction
- WFM Installation
- Configuration: Administration, Environment, Agent
- Forecasting
- Scheduling
- Agent - Supervisor
- Reports
- Troubleshooting

SCHEDULE Germany
 Berlin 30.03.-01.04.10
 Hamburg **E** 10.05.-12.05.10
 Munich 31.05.-02.06.10
 Frankfurt 18.08.-20.08.10

Berlin **E** 06.10.-08.10.10
SCHEDULE Spain
 Madrid **E** 31.05.-02.06.10
 Madrid **E** 13.10.-15.10.10
E Training in English

Cisco Unified Customer Voice Portal Implementation (CVPI)

ID CI-CVPI **Price** 2.950,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1), Implementing Cisco Unified Communications Manager Part 1 (CIPT1), Cisco Voice over IP (CVOICE), Cisco Unified Contact Center Power Workshop (CUCCPW)

COURSE CONTENT

- Cisco Unified CVP Technical overview
- Cisco Unified CVP Comprehensive
- Cisco Unified ICM Enterprise Scripting to Support Unified CVP
- Media File, ECC and Micro Applications
- Cisco Unified CVP VXML Solution
- VXML Server and Studio
- Events, Log Files, and Reporting
- Reporting Database and Backup
- Failover, Diagnostics, and Troubleshooting



SCHEDULE Germany

Munich **E** 15.03.-19.03.10
 Hamburg **E** 03.05.-07.05.10
 Munich **E** 21.06.-25.06.10
 Berlin **E** 09.08.-13.08.10
 Frankfurt **E** 27.09.-01.10.10
 Hamburg **E** 08.11.-12.11.10

SCHEDULE Italy

Milan 19.04.-23.04.10
 Rome 25.10.-29.10.10
SCHEDULE Spain
 Madrid **E** 13.09.-17.09.10
SCHEDULE United Kingdom
 Windsor **E** 10.05.-14.05.10
 Windsor **E** 08.11.-12.11.10
E Training in English

Cisco Service Provider Voice Training



IP Transfer Point (ITP)

ID CI-ITP **Price** 2.390,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Interconnecting Cisco Network Devices 2 (ICND2) course
- Telecommunications, basic telephony signaling, TCP/IP and IP routing

COURSE CONTENT

- Cisco ITP Generic Overview
- IOS Basics
- SS7 Overview
- SS7oIP Features and Functions
- Global Title Translation
- ITP Multi-Instances
- Gateway Screening
- Multi-Layer Routing
- ITP Maintenance, Monitoring and Troubleshooting
- M3UA and SUA

- High-Speed Signaling Links (HSL)
- ITP MAP Proxy
- Distributed Short Message Router
- Designing an ITP Network Router

SCHEDULE France		Munich	02.11.-05.11.10
Paris	09.03.-12.03.10	Berlin	E 30.11.-03.12.10
Paris	28.09.-01.10.10	SCHEDULE Slovenia	
SCHEDULE Germany		Ljubljana	E 09.03.-12.03.10
Hamburg	09.02.-12.02.10	SCHEDULE Spain	
Munich	27.04.-30.04.10	Madrid	20.04.-23.04.10
Frankfurt	E 04.05.-07.05.10	SCHEDULE United Kingdom	
Berlin	18.05.-21.05.10	London	E 02.02.-05.02.10
Frankfurt	15.06.-18.06.10	London	E 13.07.-16.07.10
Hamburg	20.07.-23.07.10	E Training in English	
Munich	E 07.09.-10.09.10		

Cisco PSTN 2200 Gateway Basics (PGWB)

ID CI-PGWB **Price** 3.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA level of knowledge

COURSE CONTENT

- Intro to PGW: Introduction to SS7 networks; Platform Overview
- Provisioning tools: XECfgParm.dat; Voice Services Provisioning Tool (VSPT and CMNM); Man Machine Language
- Provisioning SS7 side: SS7 Signaling; IP Transfer Point – Link Extender; Media Gateway; Traffic part
- Provisioning other legacy protocols: FAS and NFAS; DPNSS
- Provisioning VoIP side: Enhanced ISUP (EISUP); H.323

- Signaling Interface (H.323); Session Initiation Protocol (SIP)
- Number Analysis: Dial Plan

SCHEDULE Bulgaria		Warsaw	E 15.03.-19.03.10
Sofia	E 19.04.-23.04.10	SCHEDULE Serbia	
SCHEDULE Germany		Belgrade	E 15.03.-19.03.10
Hamburg	12.04.-16.04.10	SCHEDULE Slovenia	
Berlin	E 31.05.-04.06.10	Ljubljana	E 03.05.-07.05.10
Frankfurt	05.07.-09.07.10	Ljubljana	E 02.08.-06.08.10
Hamburg	E 16.08.-20.08.10	SCHEDULE Spain	
Berlin	04.10.-08.10.10	Madrid	E 06.09.-10.09.10
Frankfurt	E 29.11.-03.12.10	SCHEDULE Turkey	
SCHEDULE Poland		Istanbul	E 12.07.-15.07.10
Warsaw	E 22.02.-26.02.10	E Training in English	

Cisco PSTN 2200 Gateway Advanced Troubleshooting (PGWAT)

ID CI-PGWAT **Price** 3.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Cisco PGW2200 Basic (PGWB) course

COURSE CONTENT

- Troubleshooting PGW: MGC Toolkit; Advanced troubleshooting tools; Troubleshooting protocols in PGW system; Troubleshooting PGW components
- Interconnection Testing: MTP Level 2 testing; MTP Level 3 testing; ISUP basic call testing; End-to-end tests
- Dial Plan: Routing related Result Types; Digit Modification & Number Field Processing Result Types; Message Parameter Modification & More Info Requests; En-bloc & overlap signaling; Call & Cause Treatment Result Types; Database related Result Types

- Advanced features: M3UA and SUA over SCTP; NON-RAS mode; Lawful Intercept
- Billing and Measurement System: Installing BAMS; Provisioning BAMS; Call Detail Records (CDRs)

SCHEDULE Germany		SCHEDULE Serbia	
Hamburg	08.03.-12.03.10	Belgrade	E 12.04.-16.04.10
Frankfurt	17.05.-21.05.10	SCHEDULE Slovenia	
Berlin	E 12.07.-16.07.10	Ljubljana	E 10.05.-14.05.10
Hamburg	30.08.-03.09.10	Ljubljana	E 09.08.-13.08.10
Frankfurt	E 25.10.-29.10.10	SCHEDULE Spain	
Munich	29.11.-03.12.10	Madrid	E 05.07.-09.07.10
SCHEDULE Poland		SCHEDULE Turkey	
Warsaw	E 01.03.-05.03.10	Istanbul	E 01.02.-05.02.10
Warsaw	E 10.05.-14.05.10	Istanbul	E 19.07.-23.07.10
E Training in English			

TelePresence Installation & Configuration Training (TPICT)

ID CI-TPICT **Price** 2.895,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA certification or equivalent knowledge
- Implementing Cisco Unified Communications Manager Part 1 (CIPT1) course

COURSE CONTENT

- Cisco TelePresence Solution Overview
- Room Readiness Assessment
- Physical Assembly and Logistics
- Cisco TelePresence Endpoint System Architecture
- Cisco TelePresence Network Architecture
- Cisco TelePresence Extended Features
- Understanding the Cisco TelePresence Multipoint Switch

- Understanding the Cisco TelePresence Manager
- Enabling One-Button-to-Push without TP Manager
- Cisco TelePresence Interoperability
- Cisco TelePresence Inter-Company Communication



SCHEDULE Germany

Frankfurt	E 15.02.-19.02.10
Frankfurt	E 22.03.-26.03.10
Frankfurt	E 19.04.-23.04.10
Frankfurt	E 17.05.-21.05.10
Frankfurt	E 14.06.-18.06.10
Frankfurt	E 19.07.-23.07.10

Frankfurt	E 23.08.-27.08.10
Frankfurt	E 20.09.-24.09.10
Frankfurt	E 25.10.-29.10.10
Frankfurt	E 22.11.-26.11.10
Frankfurt	E 13.12.-17.12.10

E Training in English

Digital Media Suite (DMS)

ID CI-DMS **Price** 1.790,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Complete Video 101 online training
- Understanding of basic IT technologies including IP addressing, multicasting, web and media streaming servers

COURSE CONTENT

- Overview of new features
- DMM installation and upgrade procedure
- Show and Share installation and upgrade procedure
- DMP hardware overview
- Touchscreen integration
- Administering the Digital Signage Module



- Proof of Play
- Digital Media Designer
- DMP Local storage setup
- Cisco Cast
- Cisco LCD setup and config
- Show & Share configuration
- DME 1100 & 2200 Configuration
- DMS authentication
- ACNS and WAAS integration

SCHEDULE Bulgaria

Sofia	E 14.04.-16.04.10
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SCHEDULE Germany

Frankfurt	E 30.03.-01.04.10
Frankfurt	E 10.05.-12.05.10
Frankfurt	E 30.06.-02.07.10
Frankfurt	E 11.08.-13.08.10
Frankfurt	E 22.09.-24.09.10
Frankfurt	E 03.11.-05.11.10

SCHEDULE Poland

Warsaw	E 19.05.-21.05.10
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SCHEDULE Serbia

Belgrade	E 10.03.-12.03.10
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SCHEDULE Slovenia

Ljubljana	E 26.05.-28.05.10
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SCHEDULE Spain

Madrid	E 03.11.-05.11.10
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SCHEDULE United Kingdom

London	E 06.04.-08.04.10
London	E 14.06.-16.06.10
London	E 09.08.-11.08.10

E Training in English

Cisco Academy of Digital Signage (ADS)

ID CI-ADS **Price** 2.000,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- Skilled in rich media content creation and video production: Adobe Photoshop, Illustrator, Flash, Premiere, Dreamweaver

COURSE CONTENT

- Content Creation: best practices for creating high-definition, on-demand video, network-broadcasted and CCTV live video, multimedia and Web design, flash automations, still and animated images, text, dynamic content, modular designs

- Content Management: content control, organization, playlisting, scheduling, digital signage management, content rights and administration
- Content Distribution: best practices for content-delivery networking, store-and-forward, IP multicasting, content assessment, network and system readiness assessment, streaming video

SCHEDULE Belgium

Brussels	E 03.11.-04.11.10
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SCHEDULE Germany

Frankfurt	E 29.06.-30.06.10
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E Training in English

Designing Cisco Unified MeetingPlace Solutions (DMPS)

ID CI-DMPS **Price** 1.790,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Self-paced Cisco MeetingPlace Product Overview course
- Hands-on experience with MeetingPlace from having attended the following on-line courses: Cisco MeetingPlace Basic User (90-minute Web-based) and Cisco MeetingPlace System Administrator (90-minute, web-based)

COURSE CONTENT

- Understanding MeetingPlace Architecture and Design: Demonstrating MeetingPlace Product Features; Planning MeetingPlace Media Server Deployment; Planning Media Convergence Server Deployment; Planning MeetingPlace Control Server Deployment; Planning MeetingPlace Web Integration; Planning MeetingPlace Optional Integrations
- Evaluating Customer Environment and Conferencing Requirements: Evaluating the Customer Network Environment; Evaluate End-User Requirements; Evaluating Customer Infrastructure and Telephony Environment; Evaluating Customer

Database Requirements

- Designing a Customer MeetingPlace Solution: Determining Customer MeetingPlace System Requirements; Evaluating the Customer Impact of MeetingPlace Deployment; Selecting MeetingPlace Product Bundles for Customer Requirements; Designing a MeetingPlace Conferencing Solution; Designing a Highly Available Conferencing Solution; Documenting the MeetingPlace Design

SCHEDULE Bulgaria	Berlin	E 27.10.-29.10.10
Sofia	Hamburg	24.11.-26.11.10
SCHEDULE France	SCHEDULE Poland	
Paris	Warsaw	E 10.02.-12.02.10
Paris	SCHEDULE Slovenia	
SCHEDULE Germany	Ljubljana	E 22.02.-24.02.10
Frankfurt	SCHEDULE Spain	
Hamburg	Madrid	07.07.-09.07.10
Munich	SCHEDULE Turkey	
Berlin	Istanbul	E 19.04.-21.04.10
Munich	SCHEDULE United Kingdom	
Hamburg	London	E 10.05.-12.05.10
Frankfurt		E Training in English

Implementing Cisco Unified MeetingPlace Solutions (IMPS)

ID CI-IMPS **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Working knowledge of converged voice and data networks
- Working knowledge of SIP, MGCP, and H.323 protocols and their implementation on Cisco IOS gateways
- Working knowledge of video basics
- Implementing Cisco Unified Communication Manager Part 1 (CIPT1) course

COURSE CONTENT

- Understanding MeetingPlace Architecture and Hardware: Understanding the MeetingPlace Solution; Gathering Customer Information; Implementing MeetingPlace Convergence Servers
- Implementing and Upgrading a MeetingPlace Media Server: Understanding Media Server Components and Operations; Installing and Configuring a Media Server; Upgrading Media Server Hardware and Software; Troubleshooting a Media Server
- Implementing a MeetingPlace Control Server: Installing and configuring a Control Server; Configuring a SIP Gateway; Configuring Outlook and SMTP Integration; Configuring LDAP Integration; Configuring Video Integration and Administration; Implementing Localization
- Implementing MeetingPlace Web Conferencing: Understanding MeetingPlace Web Conferencing; Implementing MeetingPlace Web Conferencing; Using the MeetingPlace Web User Interface; Providing External Access to MeetingPlace Web Conferencing;

Upgrading or Uninstalling a Functioning MeetingPlace Web Conferencing Installation

- MeetingPlace Integrations, Administration, and Maintenance: Integrating Lotus Notes, Jabber and MOC; Configuring PhoneView; Using MeetingManager; Backing-Up the Control Server Database; Implementing a Highly Available Conferencing Solution; Maintaining and Troubleshooting a Conferencing Solution; Locating Documentation and Training Resources



SCHEDULE Bulgaria	Frankfurt	E 11.10.-15.10.10
Sofia	Berlin	15.11.-19.11.10
SCHEDULE France	Hamburg	E 06.12.-10.12.10
Paris	SCHEDULE Slovenia	
Paris	Ljubljana	E 30.08.-03.09.10
SCHEDULE Germany	SCHEDULE Spain	
Berlin	Madrid	12.04.-16.04.10
Frankfurt	SCHEDULE Turkey	
Hamburg	Istanbul	E 19.07.-23.07.10
Berlin	SCHEDULE United Kingdom	
Munich	Windsor	E 01.03.-05.03.10
Hamburg		E Training in English

Implementing Cisco Unified Wireless Networking Essentials (IUWNE)

ID CI-IUWNE **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1) and Interconnecting Cisco Network Devices Part 2 (ICND2) courses



COURSE CONTENT

- Wireless Fundamentals
- Basic WLAN Installation
- Wireless Clients
- WLAN Security
- WCS Administration
- WLAN Maintenance and Troubleshooting

SCHEDULE Belgium

Brussels **E** 29.03.-02.04.10
Brussels **E** 31.05.-04.06.10

SCHEDULE Bulgaria

Sofia **E** 18.10.-22.10.10

SCHEDULE Denmark

Copenhagen **E** 19.04.-23.04.10

SCHEDULE France

Toulouse 07.06.-11.06.10
Valbonne 07.06.-11.06.10
Paris 05.07.-09.07.10

SCHEDULE Germany

Frankfurt **E** 01.02.-05.02.10
Frankfurt 08.02.-12.02.10
Hamburg 22.02.-26.02.10
Frankfurt 08.03.-12.03.10
Munich 22.03.-26.03.10
Berlin 12.04.-16.04.10

Hamburg **E** 19.04.-23.04.10

Duesseldorf 26.04.-30.04.10

Frankfurt 17.05.-21.05.10

Hamburg 31.05.-04.06.10

Munich 14.06.-18.06.10

Berlin **E** 21.06.-25.06.10

Berlin 28.06.-02.07.10

Duesseldorf 12.07.-16.07.10

Hamburg 02.08.-06.08.10

Frankfurt 16.08.-20.08.10

Munich **E** 23.08.-27.08.10

Munich 30.08.-03.09.10

Berlin 13.09.-17.09.10

Duesseldorf 04.10.-08.10.10

Hamburg 11.10.-15.10.10

Hamburg **E** 18.10.-22.10.10

Frankfurt 25.10.-29.10.10

Berlin 08.11.-12.11.10

Muenster 15.11.-19.11.10

Munich 22.11.-26.11.10

Hamburg 06.12.-10.12.10

Frankfurt **E** 13.12.-17.12.10

SCHEDULE Italy

Rome 08.03.-12.03.10

Milan 26.04.-30.04.10

Rome 14.06.-18.06.10

Naples 19.07.-23.07.10

Milan 27.09.-01.10.10

Naples 25.10.-29.10.10

Rome 08.11.-12.11.10

SCHEDULE Netherlands

Utrecht **E** 01.02.-05.02.10

Utrecht **E** 12.04.-16.04.10

Utrecht **E** 21.06.-25.06.10

SCHEDULE Serbia

Belgrade **E** 31.05.-04.06.10

SCHEDULE Spain

Madrid 01.02.-05.02.10

Madrid 30.08.-03.09.10

Madrid 27.12.-31.12.10

SCHEDULE Sweden

Stockholm 12.04.-16.04.10

SCHEDULE Switzerland

Zurich 22.03.-26.03.10

Zurich 21.06.-25.06.10

Zurich 20.09.-24.09.10

SCHEDULE Turkey

Istanbul **E** 10.05.-14.05.10

SCHEDULE United Kingdom

London **E** 22.03.-26.03.10

London **E** 14.06.-18.06.10

London **E** 06.09.-10.09.10

London **E** 15.11.-19.11.10

E Training in English

Conducting Cisco Unified Wireless Site Survey (CUWSS)

ID CI-CUWSS **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1), Interconnecting Cisco Network Devices Part 2 (ICND2) and Implementing Cisco Unified Wireless Networking Essentials (IUWNE) courses
- Basic knowledge of the following: Cisco Lifecycle Services, Wireless standards (IEEE), Wireless regulator environment (FCC, ETSI, and so on), Wireless certification organization (Wi-Fi Alliance)

COURSE CONTENT

- Prepare for the Site Survey
- Plan for the Site Survey
- Conduct the Site Survey

- AP and Controller Density and Licensing
- Assessing the Deployment



SCHEDULE Belgium

Brussels **E** 15.02.-19.02.10
Brussels **E** 07.06.-11.06.10

SCHEDULE Denmark

Copenhagen **E** 18.02.-22.02.10

Copenhagen **E** 03.05.-07.05.10

SCHEDULE Germany

Hamburg 08.02.-12.02.10

Frankfurt 22.02.-26.02.10

Frankfurt **E** 01.03.-05.03.10

Berlin 15.03.-19.03.10

Munich 29.03.-01.04.10

Hamburg 12.04.-16.04.10

Frankfurt 03.05.-07.05.10

Berlin 17.05.-21.05.10

Stuttgart 07.06.-11.06.10

Hamburg 21.06.-25.06.10

Munich 12.07.-16.07.10

Munich **E** 19.07.-23.07.10

Frankfurt 09.08.-13.08.10

Berlin 23.08.-27.08.10

Munich 06.09.-10.09.10

Hamburg 27.09.-01.10.10

Frankfurt 18.10.-22.10.10

Frankfurt **E** 25.10.-29.10.10

Berlin 01.11.-05.11.10

Duesseldorf 15.11.-19.11.10

Hamburg 29.11.-03.12.10

SCHEDULE Italy

Rome 29.03.-02.04.10

Milan 10.05.-14.05.10

Rome 11.10.-15.10.10

Milan 15.11.-19.11.10

SCHEDULE Netherlands

Utrecht **E** 15.02.-19.02.10

Utrecht **E** 19.04.-23.04.10

Utrecht **E** 14.06.-18.06.10

SCHEDULE Poland

Warsaw **E** 22.03.-26.03.10

SCHEDULE Slovenia

Ljubljana **E** 15.03.-19.03.10

SCHEDULE Spain

Madrid 05.04.-09.04.10

SCHEDULE Sweden

Stockholm 26.04.-30.04.10

SCHEDULE Switzerland

Zurich 04.10.-08.10.10

SCHEDULE United Kingdom

London **E** 08.03.-12.03.10

London **E** 12.07.-16.07.10

London **E** 08.11.-12.11.10

E Training in English

Implementing Advanced Cisco Unified Wireless Security (IAUWS)

ID CI-IAUWS **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1), Interconnecting Cisco Network Devices Part 2 (ICND2) and Implementing Cisco Unified Wireless Networking Essentials (IWNNE) courses

COURSE CONTENT

- Organizational and Regulatory Security Policies
- Secure Client Devices
- Design and Implement Guest Access Services
- Design and Integrate Wireless Network with Cisco NAC Appliance
- Implement Secure Wireless Connectivity Services
- Internal and Integrated External Security Mitigations



SCHEDULE Belgium

Brussels **E** 22.02.-26.02.10
 Brussels **E** 17.05.-21.05.10

SCHEDULE Denmark

Copenhagen **E** 01.02.-05.02.10
 Copenhagen **E** 10.05.-14.05.10

SCHEDULE Germany

Duesseldorf 01.02.-05.02.10
 Hamburg 15.02.-19.02.10
 Munich 01.03.-05.03.10
 Berlin **E** 15.03.-19.03.10
 Berlin 22.03.-26.03.10
 Frankfurt 06.04.-09.04.10
 Stuttgart 19.04.-23.04.10
 Hamburg 03.05.-07.05.10
 Munich 17.05.-21.05.10
 Berlin 31.05.-04.06.10
 Frankfurt 14.06.-18.06.10
 Duesseldorf 05.07.-09.07.10
 Hamburg 26.07.-30.07.10
 Hamburg 02.08.-06.08.10
 Munich 16.08.-20.08.10
 Berlin 30.08.-03.09.10
 Frankfurt 20.09.-24.09.10
 Hamburg 04.10.-08.10.10
 Munich 25.10.-29.10.10

Hamburg **E** 01.11.-05.11.10
 Duesseldorf 08.11.-12.11.10
 Berlin 22.11.-26.11.10
 Frankfurt 06.12.-10.12.10

SCHEDULE Italy

Rome 12.04.-16.04.10
 Milan 24.05.-28.05.10
 Rome 25.10.-29.10.10
 Milan 13.12.-17.12.10

SCHEDULE Netherlands

Utrecht **E** 08.03.-12.03.10
 Utrecht **E** 31.05.-04.06.10

SCHEDULE Poland

Warsaw **E** 17.05.-21.05.10

SCHEDULE Slovenia

Ljubljana **E** 17.05.-21.05.10

SCHEDULE Spain

Madrid 14.06.-18.06.10

SCHEDULE Sweden

Stockholm 08.02.-12.02.10
 Stockholm 17.05.-21.05.10

SCHEDULE United Kingdom

London **E** 15.03.-19.03.10
 London **E** 26.07.-30.07.10
 London **E** 22.11.-26.11.10
E Training in English

Implementing Cisco Unified Wireless Voice Networks (IUWVN)

ID CI-IUWVN **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1), Interconnecting Cisco Network Devices Part 2 (ICND2) and Implementing Cisco Unified Wireless Networking Essentials (IWNNE) courses
- Basic knowledge of the following: Cisco Lifecycle Services, Wireless standards (IEEE), Wireless regulator environment (FCC, ETSI, and so on), Wireless certification organization (Wi-Fi Alliance)

COURSE CONTENT

- Implement QoS for Wireless Applications
- Voice over Wireless Architecture
- Implement VoWLAN
- Implement Multicast over Wireless
- Prepare the Wireless Network for Video and High-Bandwidth Applications



SCHEDULE Belgium

Brussels **E** 08.03.-12.03.10
 Brussels **E** 03.05.-07.05.10

SCHEDULE Denmark

Copenhagen **E** 15.02.-19.02.10
 Copenhagen **E** 17.05.-21.05.10

SCHEDULE Germany

Hamburg 01.02.-05.02.10
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 Hamburg 25.05.-28.05.10
 Stuttgart 07.06.-11.06.10
 Duesseldorf 28.06.-02.07.10
 Frankfurt **E** 12.07.-16.07.10
 Hamburg 19.07.-23.07.10
 Munich 23.08.-27.08.10
 Hamburg **E** 06.09.-10.09.10
 Berlin 20.09.-24.09.10
 Frankfurt 11.10.-15.10.10
 Munich 08.11.-12.11.10
 Berlin **E** 15.11.-19.11.10
 Hamburg 29.11.-03.12.10

Frankfurt 13.12.-17.12.10

SCHEDULE Italy

Rome 03.05.-07.05.10
 Milan 28.06.-02.07.10
 Rome 04.10.-08.10.10
 Milan 22.11.-26.11.10

SCHEDULE Netherlands

Utrecht **E** 22.02.-26.02.10
 Utrecht **E** 17.05.-21.05.10
 Utrecht **E** 28.06.-02.07.10

SCHEDULE Poland

Warsaw **E** 19.04.-23.04.10

SCHEDULE Slovenia

Ljubljana **E** 12.04.-16.04.10

SCHEDULE Spain

Madrid 04.10.-08.10.10

SCHEDULE Sweden

Stockholm 22.02.-26.02.10
 Stockholm 24.05.-28.05.10

SCHEDULE United Kingdom

London **E** 15.02.-19.02.10
 London **E** 07.06.-11.06.10
 London **E** 18.10.-22.10.10
E Training in English

Implementing Cisco Unified Wireless Mobility Services (IUWMS)

ID CI-IUWMS **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1), Interconnecting Cisco Network Devices Part 2 (ICND2) and Implementing Cisco Unified Wireless Networking Essentials (IUWNE) courses
- Basic knowledge of the following: Cisco Lifecycle Services, Wireless standards (IEEE), Wireless regulator environment, Wireless certification organization (Wi-Fi Alliance)

COURSE CONTENT

- Design WLAN Infrastructure for Mobility
- Implement and Manage Advanced Services with WCS and WCS Navigator
- Design the Wireless Network for Location
- Cisco Location Based Services Implementation
- Implement and Manage an Enterprise Mesh Network
- Describe Outdoor Wireless

SCHEDULE Denmark

Copenhagen **E** 01.03.-05.03.10
Copenhagen **E** 31.05.-04.06.10

SCHEDULE Germany

Berlin 15.02.-19.02.10
Frankfurt **E** 01.03.-05.03.10
Munich 15.03.-19.03.10
Berlin 06.04.-09.04.10
Hamburg 19.04.-23.04.10
Frankfurt 17.05.-21.05.10
Frankfurt 25.05.-28.05.10
Munich 21.06.-25.06.10
Berlin 19.07.-23.07.10
Hamburg 09.08.-13.08.10
Hamburg **E** 16.08.-20.08.10
Frankfurt 06.09.-10.09.10
Munich 27.09.-01.10.10
Berlin 18.10.-22.10.10
Hamburg 08.11.-12.11.10
Hamburg **E** 15.11.-19.11.10
Frankfurt 06.12.-10.12.10

SCHEDULE Italy

Rome 22.03.-26.03.10
Milan 17.05.-21.05.10
Milan 18.10.-22.10.10

SCHEDULE Netherlands

Utrecht **E** 08.02.-12.02.10
Utrecht **E** 19.04.-23.04.10
Utrecht **E** 07.06.-11.06.10

SCHEDULE Poland

Warsaw **E** 12.04.-16.04.10

SCHEDULE Slovenia

Ljubljana **E** 29.03.-02.04.10

SCHEDULE Spain

Madrid 22.11.-26.11.10

SCHEDULE Sweden

Stockholm 08.03.-12.03.10
Stockholm 07.06.-11.06.10

SCHEDULE United Kingdom

London **E** 01.03.-05.03.10
London **E** 21.06.-25.06.10
London **E** 01.11.-05.11.10
E Training in English

Cisco Wireless LAN Fundamentals (CWLF)

ID CI-CWLF **Price** 2.450,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Knowledge of fundamental networking components and terminology, knowledge of the OSI reference model
- Knowledge of basic LAN components and functions

COURSE CONTENT

- Wireless Technology
- Cisco WLAN Products
- Cisco Wireless Clients and Supplicants
- Standalone Access Point Administration
- Wireless Bridges
- Cisco Unified WLAN Administration
- Site Survey Preparation and Techniques
- Tools and Utilities

SCHEDULE Bulgaria

Sofia **E** 18.05.-21.05.10

SCHEDULE Denmark

Copenhagen **E** 08.06.-11.06.10

SCHEDULE France

Paris 16.02.-19.02.10
Paris 27.07.-30.07.10

SCHEDULE Germany

Hamburg **E** 09.03.-12.03.10
Frankfurt 29.03.-01.04.10
Berlin 03.05.-06.05.10
Munich 08.06.-11.06.10
Hamburg 06.07.-09.07.10
Frankfurt 27.07.-30.07.10
Frankfurt 10.08.-13.08.10
Duesseldorf 14.09.-17.09.10
Berlin 12.10.-15.10.10
Berlin **E** 26.10.-29.10.10
SCHEDULE Poland
Warsaw **E** 06.04.-09.04.10

Warsaw **E** 06.07.-09.07.10

SCHEDULE Slovenia

Ljubljana **E** 06.04.-09.04.10

SCHEDULE Spain

Madrid 15.03.-18.03.10

SCHEDULE Sweden

Stockholm 06.04.-09.04.10
Stockholm 07.09.-10.09.10

SCHEDULE Switzerland

Zurich 22.02.-25.02.10
Zurich 03.05.-06.05.10
Zurich **E** 31.08.-03.09.10

SCHEDULE Turkey

Istanbul **E** 22.06.-25.06.10

SCHEDULE United Kingdom

Manchester **E** 15.02.-18.02.10
London **E** 29.03.-01.04.10
London **E** 28.06.-01.07.10
London **E** 20.09.-23.09.10
E Training in English

Cisco Wireless LAN Power Workshop (CWLPW)

ID FL-CWLPW **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

The Wireless LAN Power Workshop comprises the following courses:

- Cisco Wireless LAN Fundamentals (CWLF)
- Cisco Wireless LAN Advanced Topics (CWLAT)



SCHEDULE Germany

Berlin 01.02.-05.02.10
Frankfurt 15.03.-19.03.10
Frankfurt 22.03.-26.03.10
Hamburg 26.04.-30.04.10
Munich 14.06.-18.06.10
Duesseldorf 26.07.-30.07.10
Berlin 06.09.-10.09.10
Frankfurt 18.10.-22.10.10
Berlin 01.02.-05.02.10
Frankfurt 15.03.-19.03.10
Frankfurt **E** 22.03.-26.03.10
Hamburg 26.04.-30.04.10
Munich 14.06.-18.06.10
Duesseldorf 26.07.-30.07.10
Berlin 06.09.-10.09.10
Frankfurt 18.10.-22.10.10

Hamburg 29.11.-03.12.10

Hamburg **E** 13.12.-17.12.10

SCHEDULE Switzerland

Zurich 04.10.-08.10.10

SCHEDULE Belgium

Brussels **E** 08.02.-12.02.10
Brussels **E** 14.06.-18.06.10

SCHEDULE Bulgaria

Sofia **E** 16.08.-20.08.10

SCHEDULE Netherlands

Utrecht **E** 22.02.-26.02.10
Utrecht **E** 22.03.-26.03.10
Utrecht **E** 31.05.-04.06.10

SCHEDULE Spain

Madrid 12.04.-16.04.10
Madrid 27.12.-31.12.10

E Training in English

Cisco Wireless LAN Advanced Topics (CWLAT)

ID CI-CWLAT **Price** 2.490,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Cisco Wireless LAN Fundamentals (CWLF) course

COURSE CONTENT

- Describing the Cisco Unified Wireless Network
- Describing Controller-Based Architecture
- Implementing the WLAN with Cisco WCS
- Installing the Cisco Wireless Control System
- Configuring the Cisco Wireless Control System
- Managing the WLAN using the Cisco WLAN Controller
- Managing the Cisco Unified Wireless Network using Cisco WCS
- Managing the Cisco Unified Wireless Network using Controllers
- Troubleshooting the WLAN Controller-Based Wireless Network
- Describing and Implementing the VoWLAN Infrastructure
- Introducing the Cisco Wireless Location Appliance
- Deploying the Mesh Network
- Describing WLAN Security Design Concepts

- Securing the WLAN
- Configuring Cisco Secure ACS

SCHEDULE Bulgaria	
Sofia	E 01.06.-04.06.10
SCHEDULE Denmark	
Copenhagen	E 27.04.-30.04.10
SCHEDULE France	
Paris	16.03.-19.03.10
Paris	24.08.-27.08.10
SCHEDULE Germany	
Hamburg	23.02.-26.02.10
Duesseldorf	09.03.-12.03.10
Hamburg	E 29.03.-01.04.10
Frankfurt	06.04.-09.04.10
Berlin	25.05.-28.05.10
Munich	29.06.-02.07.10
Hamburg	19.07.-22.07.10
Frankfurt	E 03.08.-06.08.10
Frankfurt	24.08.-27.08.10
Duesseldorf	28.09.-01.10.10
Berlin	02.11.-05.11.10
Berlin	E 09.11.-12.11.10
Munich	23.11.-26.11.10

SCHEDULE Poland	
Warsaw	E 04.05.-07.05.10
Warsaw	E 12.07.-15.07.10
SCHEDULE Slovenia	
Ljubljana	E 27.09.-30.09.10
SCHEDULE Spain	
Madrid	15.03.-18.03.10
Madrid	26.10.-29.10.10
SCHEDULE Sweden	
Stockholm	16.02.-19.02.10
Stockholm	04.05.-07.05.10
SCHEDULE Switzerland	
Zurich	20.04.-23.04.10
Zurich	E 27.07.-30.07.10
Zurich	25.10.-28.10.10
SCHEDULE Turkey	
Istanbul	E 29.06.-02.07.10
SCHEDULE United Kingdom	
London	E 04.05.-07.05.10
London	E 31.08.-03.09.10
E Training in English	

Cisco Unified Wireless Networking (CUWN)

ID CI-CUWN **Price** 2.490,00 EUR (excl. VAT) **Duration** 4 Days

PREREQUISITES

- Basic networking principles, TCP/IP, bridging, routing protocol, and WLAN operation
- CCNA certification

COURSE CONTENT

- Cisco Unified Wireless Network Introduction
- Cisco Unified Wireless Network Hardware Installation
- Cisco Unified Wireless Network Administration
- WLAN Maintenance and Troubleshooting
- WLAN Security
- Cisco Wireless Control System
- Cisco Location Tracking



SCHEDULE Denmark	
Copenhagen	E 23.03.-26.03.10
Copenhagen	E 25.05.-28.05.10
SCHEDULE France	
Paris	20.04.-23.04.10
Paris	05.10.-08.10.10
SCHEDULE Germany	
Munich	02.02.-05.02.10
Frankfurt	02.03.-05.03.10
Frankfurt	E 16.03.-19.03.10
Berlin	13.04.-16.04.10
Hamburg	18.05.-21.05.10
Hamburg	E 31.05.-03.06.10
Munich	22.06.-25.06.10
Frankfurt	27.07.-30.07.10
Berlin	31.08.-03.09.10
Frankfurt	E 14.09.-17.09.10
Hamburg	12.10.-15.10.10

Berlin	E 02.11.-05.11.10
Munich	30.11.-03.12.10
SCHEDULE Netherlands	
Utrecht	E 06.04.-09.04.10
SCHEDULE Poland	
Warsaw	E 27.07.-30.07.10
SCHEDULE Slovenia	
Ljubljana	E 30.11.-03.12.10
SCHEDULE Spain	
Madrid	02.11.-05.11.10
SCHEDULE Sweden	
Stockholm	23.03.-26.03.10
Stockholm	01.06.-04.06.10
SCHEDULE Switzerland	
Zurich	16.02.-19.02.10
Zurich	E 01.06.-04.06.10
Zurich	12.10.-15.10.10
E Training in English	

Cisco CCIE Wireless Written Power Workshop (CCIEWW)

ID FL-CCIEWW **Price** 2.490,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

This intensive power workshop focusing on using Cisco Unified Wireless solution is designed to give students a firm knowledge of the theoretical background needed to successfully pass the CCIE Wireless Written exam.

SCHEDULE Germany	
Hamburg	E 15.02.-19.02.10
Hamburg	19.04.-23.04.10
Hamburg	E 26.07.-30.07.10
Hamburg	20.09.-24.09.10
Hamburg	E 15.11.-19.11.10
SCHEDULE Serbia	

Belgrade	E 21.06.-25.06.10
SCHEDULE Slovenia	
Ljubljana	E 14.06.-18.06.10
SCHEDULE Turkey	
Istanbul	E 14.06.-18.06.10
E Training in English	

Cisco CCIE Wireless Lab Power Workshop (CCIEWL)

ID FL-CCIEWL **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

This intensive power workshop is heavily focused on lab training and practice. Each student works on an independent rack offering all the features that may be to be configured in the real lab exam.

SCHEDULE Germany	
Hamburg	E 15.03.-19.03.10
Hamburg	03.05.-07.05.10
Hamburg	E 09.08.-13.08.10
Hamburg	04.10.-08.10.10
Hamburg	E 22.11.-26.11.10

SCHEDULE Poland	
Warsaw	E 31.05.-04.06.10
SCHEDULE Slovenia	
Ljubljana	E 05.07.-09.07.10
SCHEDULE United Kingdom	
Windsor	E 08.02.-12.02.10
E Training in English	



Cisco Wireless Mesh Networks (CWMN)

ID CI-CWMN **Price** 2.190,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Cisco Wireless LAN Fundamentals (CWLF) and Cisco Wireless LAN Advanced Topics (CWLAT) courses

COURSE CONTENT

- Configuring a Wireless Controller
- Describing Cisco Aironet 1500 Series Mesh
- Describing Wireless Mesh Requirements
- Verification and Troubleshooting



SCHEDULE Denmark

Copenhagen **E** 22.02.-24.02.10

SCHEDULE France

Paris 14.04.-16.04.10

Paris 22.09.-24.09.10

SCHEDULE Germany

Frankfurt 10.02.-12.02.10

Hamburg 10.03.-12.03.10

Berlin **E** 29.03.-31.03.10

Berlin 07.04.-09.04.10

Frankfurt 10.05.-12.05.10

Munich 31.05.-02.06.10

Hamburg **E** 30.06.-02.07.10

Hamburg 07.07.-09.07.10

Berlin 04.08.-06.08.10

Frankfurt 08.09.-10.09.10

Frankfurt **E** 15.09.-17.09.10

Hamburg 06.10.-08.10.10

Munich 03.11.-05.11.10

Munich **E** 24.11.-26.11.10

Duesseldorf 01.12.-03.12.10

Berlin 20.12.-22.12.10

SCHEDULE Netherlands

Utrecht **E** 08.02.-10.02.10

Utrecht **E** 10.05.-12.05.10

SCHEDULE Slovenia

Ljubljana **E** 06.12.-08.12.10

SCHEDULE Spain

Madrid 05.05.-07.05.10

SCHEDULE Switzerland

Zurich 24.03.-26.03.10

Zurich **E** 28.07.-30.07.10

Zurich 01.12.-03.12.10

E Training in English

Designing Cisco RF Networks (DRFN)

ID CI-DRFN **Price** 1.990,00 EUR (excl. VAT) **Duration** 3 Days

PREREQUISITES

- Basic understanding of RF engineering tools

COURSE CONTENT

- Principles of Wireless Mesh Networks
- Basic RF for Wi-Fi Mesh Design
- Wi-Fi Mesh Network Design
- Propagation Modeling of Mesh Networks

SCHEDULE Germany

Hamburg 17.02.-19.02.10

Munich 29.03.-31.03.10

Munich **E** 07.04.-09.04.10

Berlin 10.05.-12.05.10

Stuttgart 23.06.-25.06.10

Munich **E** 28.07.-30.07.10

Hamburg 11.08.-13.08.10

Frankfurt 22.09.-24.09.10

Duesseldorf 20.10.-22.10.10

Berlin **E** 10.11.-12.11.10

Berlin 17.11.-19.11.10

Munich 20.12.-22.12.10

SCHEDULE Netherlands

Utrecht **E** 25.05.-27.05.10

SCHEDULE Spain

Madrid 05.05.-07.05.10

Madrid 13.09.-15.09.10

SCHEDULE Switzerland

Zurich **E** 21.07.-23.07.10

Zurich 15.11.-17.11.10

E Training in English

Cisco Wireless Mesh & RF Design Bundle (WMRFPW)

ID FL-WMRFPW **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Basic understanding of PC hardware configurations and networking business drivers
- Basic understanding of 802.11 standards and Wi-Fi systems

COURSE CONTENT

The Wireless Mesh & RF Design Power Workshop comprises the following courses:

- Cisco Wireless Mesh Networking (CWMN)
- Cisco RF Design (CRFD)

SCHEDULE Germany

Hamburg **E** 22.02.-26.02.10

Hamburg 01.03.-05.03.10

Berlin 26.04.-30.04.10

Frankfurt 14.06.-18.06.10

Frankfurt **E** 21.06.-25.06.10

Munich 26.07.-30.07.10

Munich **E** 02.08.-06.08.10

Hamburg 30.08.-03.09.10

Berlin 11.10.-15.10.10

Berlin **E** 18.10.-22.10.10

Frankfurt 06.12.-10.12.10

SCHEDULE Spain

Madrid 13.12.-17.12.10

E Training in English

Cisco Content Switching Training



Content Services Switch Operation & Configuration (CSSOC)

ID CI-CSSOC **Price** 2.790,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

- Cisco Content Switching Product Overview
- CLI and Initial Configuration
- Services
- Owners and Content Rules
- Load Balancing
- Domain Name Services and Global Server Load Balancing
- VIP and Interface Redundancy
- Adaptive Session Redundancy
- SSL Basics
- SSL Advanced: Backend SSL and URL Rewrite
- CSM CLI, Basic Functions and Configuration
- CSM Network Design

SCHEDULE France

Paris 29.03.-02.04.10
Paris 11.10.-15.10.10

SCHEDULE Germany

Munich 14.02.-18.02.10
Berlin 15.03.-19.03.10
Frankfurt **E** 22.03.-26.03.10
Hamburg 19.04.-23.04.10
Frankfurt 14.06.-18.06.10
Munich 05.07.-09.07.10
Hamburg 02.08.-06.08.10
Hamburg **E** 16.08.-20.08.10
Duesseldorf 06.09.-10.09.10
Frankfurt 04.10.-08.10.10
Berlin 01.11.-05.11.10
Munich 22.11.-26.11.10
Hamburg **E** 06.12.-10.12.10

Hamburg 13.12.-17.12.10

SCHEDULE Netherlands

Utrecht **E** 12.04.-16.04.10

SCHEDULE Poland

Warsaw **E** 06.09.-10.09.10

SCHEDULE Slovenia

Ljubljana **E** 06.09.-10.09.10

SCHEDULE Spain

Madrid 24.05.-28.05.10

SCHEDULE Switzerland

Zurich 15.02.-19.02.10
Zurich 07.06.-11.06.10

SCHEDULE United Kingdom

Windsor **E** 08.03.-12.03.10
London **E** 26.04.-30.04.10
London **E** 01.11.-05.11.10

E Training in English

Application & Content Networking System Operation & Configuration (ACNS)

ID CI-ACNS **Price** 1.795,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- Product Overview; Initial Configuration and Activation; CMS Configuration; Network Integration; ACNS Proxy-caching; Prepositioning; Request Routing with the Content Router; Streaming

SCHEDULE France

Paris 14.04.-16.04.10
Paris 03.11.-05.11.10

SCHEDULE Germany

Hamburg 03.02.-05.02.10

Berlin **E** 18.08.-20.08.10

Hamburg 17.11.-19.11.10

SCHEDULE Spain

Madrid **E** 06.09.-08.09.10

E Training in English

Cisco Cable Training



Introduction to Cisco Cable Routers (ICCR)

ID CI-ICCR **Price** 3.750,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

- Radio Frequency Overview; Introduction to DOCSIS; uBR 7100/7200 CMTS; uBR 10012 Carrier Class CMTS; Cable Security; PacketCable Overview; Digital Video Networking Overview

SCHEDULE Germany

Berlin 22.02.-26.02.10
Hamburg 12.04.-16.04.10
Hamburg **E** 03.05.-07.05.10
Frankfurt 05.07.-09.07.10
Frankfurt **E** 09.08.-13.08.10

Hamburg 18.10.-22.10.10

Hamburg **E** 15.11.-19.11.10

SCHEDULE Spain

Madrid 01.03.-05.03.10

Madrid 29.11.-03.12.10

E Training in English

Advanced Cisco Cable Routers (ACCR)

ID CI-ACCR **Price** 3.750,00 EUR (excl. VAT) **Duration** 5 Days

COURSE CONTENT

- In-depth DOCSIS; Advanced PHY Characteristics; Design Considerations; Traffic Engineering;



Security Considerations; Adjustment Parameters; Evolving Cable Technologies

SCHEDULE Germany

Berlin 01.03.-05.03.10
Hamburg 19.04.-23.04.10
Hamburg **E** 17.05.-21.05.10
Frankfurt 12.07.-16.07.10
Frankfurt **E** 16.08.-20.08.10

Hamburg 25.10.-29.10.10

Hamburg **E** 22.11.-26.11.10

SCHEDULE Spain

Madrid 08.03.-12.03.10

Madrid 04.10.-08.10.10

E Training in English

Optical Technology Fundamentals (OTF)

ID FL-OTF **Price** 1.690,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- Optical Technology Fundamentals
- Optical Fiber Types
- DWDM Components
- DWDM Design
- Fiber Interconnection
- Light Emitters
- Light Detectors
- SONET/SDH Rates & Basic Terminology
- SONET/SDH Framing
- SONET/SDH Topologies & Protection

- Synchronization & Timing
- SONET/SDH Services
- Optical Fiber Cleaning
- Fiber & Laser Safety

SCHEDULE Germany

Hamburg	10.02.-12.02.10
Frankfurt	E 10.03.-12.03.10
Munich	30.03.-01.04.10
Munich	E 28.04.-30.04.10
Hamburg	26.05.-28.05.10
Frankfurt	23.06.-25.06.10
Berlin	E 21.07.-23.07.10

Hamburg	18.08.-20.08.10
Frankfurt	08.09.-10.09.10
Munich	27.10.-29.10.10
Berlin	E 17.11.-19.11.10
Hamburg	08.12.-10.12.10

SCHEDULE Spain

Madrid	E 17.05.-19.05.10
E Training in English	

Cisco Transport Manager Operation & Maintenance (OCTMO)

ID FL-OCTMO **Price** 1.690,00 EUR (excl. VAT) **Duration** 2 Days

COURSE CONTENT

- CTM Product Overview & Introduction
- CTM Graphical User Interface (GUI)
- Adding NEs & Creating Groups in CTM
- CTM Security Management
- CTM Fault Management
- CTM Performance Monitoring
- CTM Configuration Management
- CTM Configuration Management using Non-Native GUI
- Inventory Management in CTM

- Northbound Interfaces (CTM GateWay)
- CTM Administration Tasks
- Troubleshooting of CTM

SCHEDULE Germany

Hamburg	E 11.03.-12.03.10
Berlin	E 15.04.-16.04.10
Frankfurt	E 10.06.-11.06.10
Hamburg	E 26.08.-27.08.10
Munich	E 07.10.-08.10.10
Berlin	E 25.11.-26.11.10

Monza	E 08.02.-09.02.10
Monza	E 22.03.-23.03.10
Monza	E 19.04.-20.04.10
Monza	E 07.06.-08.06.10
Monza	E 13.09.-14.09.10

SCHEDULE Spain

Madrid	E 01.12.-02.12.10
E Training in English	

Cisco ONS 15454 SDH Turn Up, Test, Provisioning & Operation (OSTPO)

ID CI-OSTPO **Price** 2.690,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- Components, features & functions of the Cisco ONS 15454 SDH system
- Identify laser, fiber optic, electrical & ESD safety topics associated with the ONS 15454 SDH
- Perform system setup and login
- Use the Cisco Transport Controller software
- Set up timing
- Create protection groups
- Provision a point-to-point network
- Create SDH circuits & tunnels
- Create SNCP
- Create an MS-SPRing
- Add and drop a node to/from an MS-SPRing



SCHEDULE Germany

Hamburg	E 03.03.-05.03.10
Berlin	E 07.04.-09.04.10
Frankfurt	E 31.05.-02.06.10
Hamburg	E 18.08.-20.08.10
Munich	E 29.09.-01.10.10
Berlin	E 17.11.-19.11.10

SCHEDULE Italy

Monza	E 03.02.-05.02.10
Monza	E 14.04.-16.04.10

SCHEDULE Spain

Madrid	13.10.-15.10.10
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E Training in English

Cisco ONS 15454 MSTP Basic Turn Up, Test, Provisioning & Operation (MSTPBASIC)

ID CI-MSTPBASIC **Price** 2.100,00 EUR (excl. VAT) **Duration** 4 Days

COURSE CONTENT

- ONS 15454 MSTP Product Overview
- DWDM Fundamentals
- Safety
- Optical Fiber and Cleaning
- DWDM Test Equipment
- ONS 15454 MSTP Shelf Layout and Components
- ONS 15454 MSTP Documentation
- CTC Operation
- ONS 15454 MSTP Topologies
- ONS 15454 MSTP Shelf and Card Installation
- ONS 15454 MSTP System Setup
- ONS 15454 MSTP TransportPlanner
- ONS 15454 MSTP Linear Configurations
- ONS 15454 MSTP Node Turn Up
- ONS 15454 MSTP Network Connections
- ONS 15454 MSTP Circuits
- ONS 15454 MSTP Linear Amplifier
- ONS 15454 MSTP Multishelf Configuration

- ONS 15454 MSTP Rings
- ONS 15454 MSTP Protection
- ONS 15454 MSTP Troubleshooting



SCHEDULE Germany		Monza	E 01.02.-04.02.10
Frankfurt	E 23.02.-26.02.10	Monza	E 23.03.-26.03.10
Hamburg	E 02.03.-05.03.10	Monza	E 13.04.-16.04.10
Frankfurt	E 04.05.-07.05.10	Monza	E 01.06.-04.06.10
Frankfurt	E 18.05.-21.05.10	Monza	E 22.06.-25.06.10
Berlin	E 25.05.-28.05.10	Monza	E 07.09.-10.09.10
Munich	E 27.07.-30.07.10	Monza	E 16.11.-19.11.10
Berlin	E 21.09.-24.09.10	SCHEDULE United Kingdom	
Munich	E 26.10.-29.10.10	London	E 20.04.-23.04.10
Frankfurt	E 23.11.-26.11.10	London	E 27.07.-30.07.10
SCHEDULE Italy		E Training in English	

Cisco ONS 15454 MSTP Implementing Data over DWDM (MSTPDATA)

ID CI-MSTPDATA **Price** 2.100,00 EUR (excl. VAT) **Duration** 4 Days

COURSE CONTENT

- Cisco ONS 15454 Product Overview
- Safety
- General Review of Data
- Cisco Transport Controller Operations
- Cisco ONS 15454 MSTP Data Card Overview
- G.709 Encapsulation
- 2.5G Transponders and Encapsulation Options
- GFP G.7041
- 2.5-Gb and 10-Gb Data Multiplexer Enhanced Cards and Encapsulation Options

- Ethernet and VLANs
- 10GE-XP and GE-XP Cards, Settings, and Circuits Layer 1
- Crossponder Gigabit Ethernet Y-Cable Protection
- QoS
- XP Cards Protected Ring, Class of Service (CoS), and QoS
- ADM-10G Installation and Settings; ADM-10G Circuits for Data

SCHEDULE Germany		Monza	E 29.06.-02.07.10
Frankfurt	E 02.03.-05.03.10	Monza	E 12.07.-15.07.10
Frankfurt	E 25.05.-28.05.10	Monza	E 11.10.-14.10.10
SCHEDULE Italy		SCHEDULE United Kingdom	
Monza	E 15.03.-18.03.10	London	E 27.04.-30.04.10
Monza	E 30.03.-02.04.10	London	E 03.08.-06.08.10
Monza	E 10.05.-13.05.10	E Training in English	

Cisco ONS 15454 MSTP Advanced Provisioning & Operation (MSTPADVANCED)

ID CI-MSTPADVANCED **Price** 2.600,00 EUR (excl. VAT) **Duration** 4 Days

COURSE CONTENT

- Cisco ONS 15454 MSTP System Overview
- Cisco Transport Controller Operations
- Safety
- MSTP Rings
- Internal Patchcords and Provisionable Patchcords
- 10 Gigabit Transponders and Muxponders
- ADM-10G "MSPP on a Blade"
- Manual Multiring
- Mesh Networks
- Raman amplifier
- Cisco ONS 15454 DWDM Troubleshooting



SCHEDULE Germany		Monza	E 15.06.-18.06.10
Frankfurt	E 09.03.-12.03.10	Monza	E 06.07.-09.07.10
Frankfurt	E 08.06.-11.06.10	Monza	E 05.10.-08.10.10
SCHEDULE Italy		SCHEDULE United Kingdom	
Monza	E 08.02.-11.02.10	London	E 11.05.-14.05.10
Monza	E 06.04.-09.04.10	London	E 10.08.-13.08.10
Monza	E 20.04.-23.04.10	E Training in English	

The primary mission of Advanced Services Education (ASE) is to help Cisco customers optimize their network investment, and speed adoption and migration of advanced technologies, by providing customer-oriented skills development solutions. We have partnered with Cisco Advanced Services to offer their broad range of courses on a worldwide basis. For further information please contact your nearest Fast Lane office. Details can be found on the back page.

DATA CENTER

- Building Enterprise Data Center Architectures (EDCA)
- Implementing Cisco Data Center Network Infrastructure 2 (DCNI-2)
- Implementing Enterprise Data Center Infrastructure Security (IEDIS)

METRO ETHERNET

- Deploying & Maintaining Carrier Ethernet Services (DMCE)

NETWORK MANAGEMENT

- Cisco Active Network Abstraction (CANA)
- Cisco Secure Access Control Server (CS-ACS)
- Cisco Unified Operations Manager & Service Monitor (CUOM-SM)
- Cisco Unified Provisioning Manager (CUPM)

ROUTING & SWITCHING

- Cisco IOS XR Software Fundamentals for Network Operations (XRFUND)
- Cisco IOS XR IPV4 Routing (XIPV4R)
- Cisco XR 12000 Series Essentials (XR12K)
- Deploy, Maintain, and Troubleshoot Cisco IOS XR Software (IOSXR)
- Cisco CRS-1 Essentials (CRS1)
- Cisco 10000 Series Essentials (C10K)
- Implementing Broadband Aggregation on Cisco Routers (BBAGG)
- ASR 1000 Essentials (ASR1K)
- Cisco ASR 9000 Aggregation Services Router Series Essentials (ASR9K)
- Cisco 7600 Series Essentials (ASISR)
- Building Core Networks with OSPF, IS-IS, BGP, and MPLS (BCN)
- Advanced Implementing and Troubleshooting MPLS VPN Networks (AMPLS)

SECURITY

- Building Enhanced Cisco Security Networks (BECSN)

SERVICE EXCHANGE FRAMEWORK

- Service Control Application for Broadband Training (SCA-BB)
- Service Control Application Solution Deployment (SCA-D)

UNIFIED COMMUNICATIONS

- Cisco Unified Communications Manager 7.0 (CMBC7)
- Cisco Unified Application Environment Developer Essentials (CUAE)

UNIFIED CONTACT CENTER

- Cisco IPCC Enterprise PPDIOO Workshop (PPDIOO)
- Customized Reporting for ICM and IPCC (IPCAR)
- Cisco IPCC Advanced Scripting (IPCAS)

SERVICE PROVIDER VOICE

- Cisco BTS 10200 Essentials (BTSE1, BTSE2)
- Cisco IP Transfer Point (ITP)

WIRELESS LAN

- Cisco Unified Wireless Network for Data and Voice (CUWN-DWW)



Cisco Sales Essentials (CSE)

ID CI-CSE **Price** 1.490,00 EUR (excl. VAT) **Duration** 3 Days

COURSE CONTENT

- Cisco strengths and why it is beneficial to partner with them
- Cisco Network Systems solutions
- Cisco Mobility solutions
- Cisco Unified Communications solutions
- Cisco Data Center solutions
- Cisco Security solutions
- How to use partner support and technical services to increase revenue

Fast Lane CSE Special with success guaranteed

We have extended the Cisco Sales Essentials (CSE) course by one day. On the third day we will prepare you for the specific requirements of the CSE exam. Based on this optimal exam preparation we guarantee you will pass! Should you fail to pass the exam in the first attempt, we will give you another exam voucher for free.



SCHEDULE Germany							
Hamburg	22.02.-24.02.10	Frankfurt	31.05.-02.06.10	Berlin	03.11.-05.11.10	Rome	20.12.-22.12.10
Frankfurt	E 08.03.-10.03.10	Munich	21.06.-23.06.10	Hamburg	15.11.-17.11.10	SCHEDULE Switzerland	
Frankfurt	22.03.-24.03.10	Munich	12.07.-14.07.10	Hamburg	E 22.11.-24.11.10	Zurich	08.02.-10.02.10
Berlin	07.04.-09.04.10	Berlin	E 09.08.-11.08.10	Frankfurt	29.11.-01.12.10	Zurich	17.05.-19.05.10
Munich	19.04.-21.04.10	Hamburg	23.08.-25.08.10	Munich	20.12.-22.12.10	Zurich	23.08.-25.08.10
Hamburg	10.05.-12.05.10	Frankfurt	15.09.-17.09.10	SCHEDULE Italy			
Berlin	E 10.05.-12.05.10	Munich	04.10.-06.10.10	Milan	08.02.-10.02.10	Zurich	04.10.-06.10.10
Cologne	23.05.-25.05.10	Munich	E 11.10.-13.10.10	Rome	26.04.-28.04.10	Zurich	15.11.-17.11.10
		Duesseldorf	18.10.-20.10.10	Milan	20.09.-22.09.10	Zurich	13.12.-15.12.10
						E Training in English	

Cisco Sales Expert – Unified Communications (CSEUC)

ID CI-CSEUC **Price** 1.190,00 EUR (excl. VAT) **Duration** 2 Days

COURSE CONTENT

- Introduction into Cisco UC: Traditional Telephony Market; The Design & Development of Telephony Solutions; Cisco IP Telephony Overview; Introduction to Cisco IP Telephony Products
- Positioning Cisco IPC: Contrasting VoIP with IP Communications; A Sample Cisco IP Communications Solution; Understanding Cisco IPC Selling Points
- Design for IP Telephony
- Cisco IPC Challenges & Solutions: Infrastructure Challenges &

Solutions; Feature Requirement Challenges & Solutions; Migration Challenges & Solutions; Stake Holders Challenges & Solutions

- Case Study

SCHEDULE Germany			
Munich	E 18.03.-19.03.10	Frankfurt	04.11.-05.11.10
Berlin	11.05.-12.05.10	SCHEDULE Italy	
Munich	24.06.-25.06.10	Rome	31.05.-01.06.10
Hamburg	02.08.-03.08.10	Milan	23.09.-24.09.10
Berlin	23.09.-24.09.10	SCHEDULE Spain	
Berlin	E 14.10.-15.10.10	Madrid	22.12.-23.12.10
		E Training in English	

Cisco Sales Expert – Data Center (CSDC)

ID CI-CSDC **Price** 1.190,00 EUR (excl. VAT) **Duration** 2 Days

COURSE CONTENT

- Cisco Data Center Architecture (SONA)
- LAN-Connectivity/FCoE
- Security (Catalyst 4500/6500/Nexus 5000/7000/ASA)
- Server Switching/Load Balancing/Application Networking (ACE/CSM)
- Storage Switching/SAN/VSANs/Virtualization by the Network (MDS 9000 Series)
- Grid Computing/Infiniband (SFS 3000/7000)
- Long Distance Options, Replication Support by Cisco, Disaster Recovery (ONS 15000 Series)

- WAN Optimization/Application Acceleration (WAE (WAAS))

SCHEDULE Germany			
Munich	04.02.-05.02.10	Hamburg	E 25.11.-26.11.10
Hamburg	25.02.-26.02.10	SCHEDULE Italy	
Frankfurt	E 25.03.-26.03.10	Rome	03.06.-04.06.10
Munich	22.04.-23.04.10	Milan	09.12.-10.12.10
Frankfurt	E 03.05.-04.05.10	SCHEDULE Spain	
Muenster	24.06.-25.06.10	Madrid	04.02.-05.02.10
Berlin	E 12.08.-13.08.10	Madrid	15.12.-16.12.10
Stuttgart	16.09.-17.09.10	SCHEDULE Switzerland	
Munich	E 14.10.-15.10.10	Zurich	08.03.-09.03.10
Hamburg	18.11.-19.11.10	Zurich	23.08.-24.08.10
		E Training in English	

You can find the contact details of your nearest Fast Lane location on the back cover.

COMPANY INFORMATION

Company

Last Name

First Name

Job Title

Address

Post Code

Country

Phone

Fax

E-mail

COURSE TITLE / ID	DATE / LOCATION	PRICE (excl. VAT)

BILLING ADDRESS

Company

Last Name

First Name

Job Title

Address

Post Code

Country

Date

Signature / Company Stamp

FAST LANE EUROPE

Austria

Fast Lane Institute for Knowledge Transfer GmbH
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Mladost 1, bl. 9 vh. A ap.3, 1750 Sofia
Tel. +359 878 360 399
info@flane.bg / www.flane.bg

Denmark

Fast Lane Denmark
Post Boks 149
DK-4100 Ringsted
info@flane.se / www.flane.dk

Finland

Fast Lane / Teleware
Laajalahdentie 23, FI-00330 Helsinki
info@flane.se / www.flane.com

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Fast Lane Institute for Knowledge Transfer France
13 rue Camille Desmoulins
F-92441 Issy Les Moulineaux
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Fast Lane Institute for Knowledge Transfer GmbH
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Tel. +49 (0)40 25334610
Fax +49 (0)40 23537720

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Tel. +36 1 327 4528, Fax +36 1 267 9100
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Dublin 2
Tel. +44 (0)845 4701000
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Italy

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Portugal

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Pecinska Ulica 22B, 1260 Ljubljana
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Fast Lane Spain
C/ Capitán Haya, 1. Planta 15., (Edificio Eurocentro)
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Fast Lane Institute for Knowledge Transfer AB
Arenavägen 61, 9 tr, Box 7027
SE-121 07 Stockholm, Sweden
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Switzerland

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Glatt Com, 1. Etage (P12)
CH-8301 Glattzentrum (Zurich)
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FAST LANE MIDDLE EAST

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cairo@flane.com / www.flane.com

Jordan

Fast Lane / E-tech
P.O. Box 1937, Amman 11953, Jordan
training@flane.com / www.flane.com

Saudi Arabia

Fast Lane / New Horizons/Al Khaleej Training & Education Co.
Al Wallan Building, Near Azizia Panda on Makkah
Highway, Takhassusi, Riyadh
Tel. +966 (1)4160123 400, Fax +966 (1)4624471
riyadh@flane.com / www.flane.com

FAST LANE RUSSIA / CIS

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