



Hands-on Cisco Training 2009

- Routing & Switching
- Unified Communications
- Business Video
- Security & VPN
- Data Center
- Service Provider
- Wireless LAN
- Optical
- Career Certifications
- Channel Partner Program

Welcome to Fast Lane!



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, storage 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 2009 catalog is here to help you put together an IT qualification program tailored to your needs.

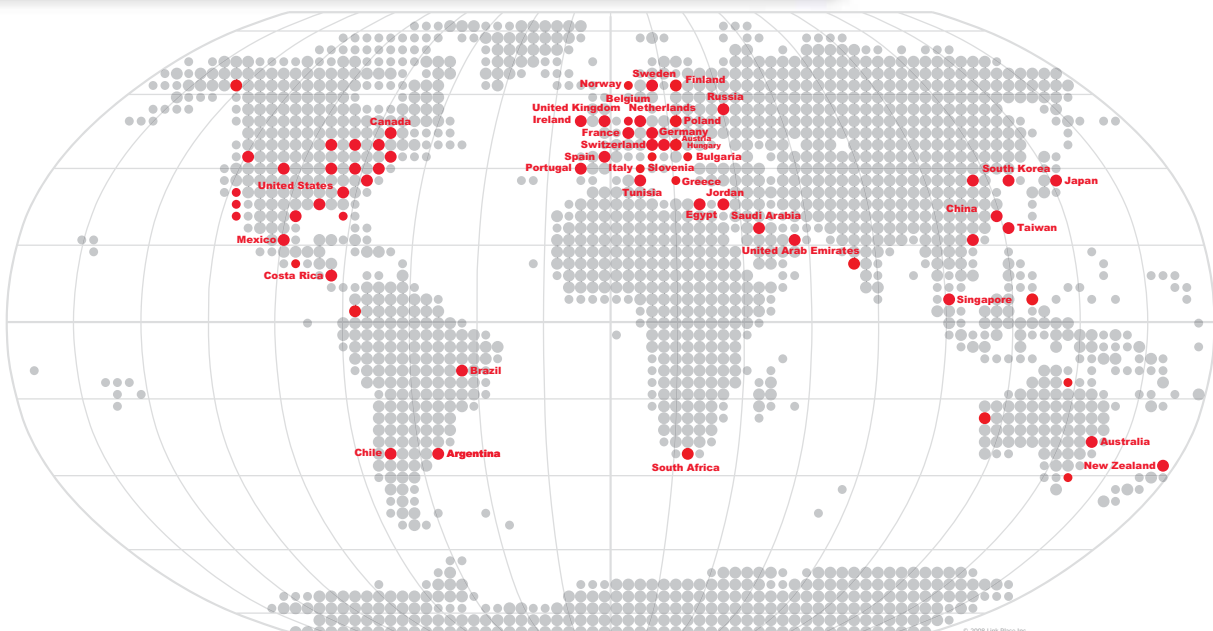
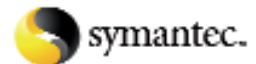
We also offer training around the globe. You'll find Fast Lane in more than 50 countries on all continents. The recipe for our success: Everything we do, we do to satisfy the highest standards for quality. And our comprehensive evaluation system ensures we live up to these expectations. When you sign 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
Senior Vice President & General Manager
Europe, Americas & Japan
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. Voice and unified communications, security and VPN, data centers and storage networking, 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 400 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, Dubai, Sydney, 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.

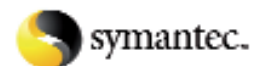
Fast Lane is the only global NetApp Learning Partner. An authorized NetApp training partner, Fast Lane offers original NetApp training programs worldwide. NetApp-certified specialists with extensive storage experiences conduct the training.

Fast Lane 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.

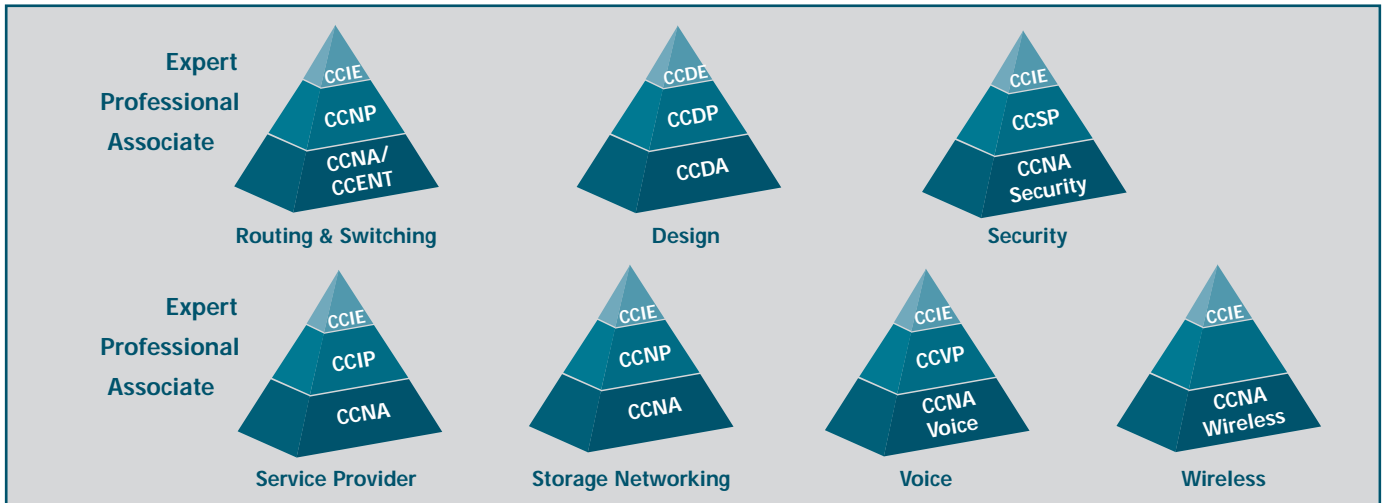
Fast Lane employees' response is swift and courteous. Rest assured you will always enjoy friendly, competent service and a quick response to your every request, even at shortest notice. For example, we can deploy troubleshooting experts within a few hours and organize on-site training including a coach,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



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.

General Certifications



Three Certification Levels

Cisco offers three levels of certification: from Associate, the basic level of networking certification, to the advanced level of Professional, and up to Expert, 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.

Cisco Specializations



Cisco Qualified Specialist Certifications

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.

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.

Associate Level Certifications

Prerequisites	Recommended Training	Days	Test
CCENT CISCO CERTIFIED ENTRY NETWORKING TECHNICIAN			
None	ICND1 Interconnecting Cisco Network Devices 1	5	ICND1 Test #640-822
CCNA CISCO CERTIFIED NETWORK ASSOCIATE			
None	ICND1 Interconnecting Cisco Network Devices 1	5	ICND1 Test #640-822 } (or CCNA Test #640-802)
	ICND2 Interconnecting Cisco Network Devices 2	5	
CCNA CISCO CERTIFIED NETWORK ASSOCIATE SECURITY			
CCNA Certification	IINS Implementing Cisco IOS Network Security	5	IINS #640-553
CCNA CISCO CERTIFIED NETWORK ASSOCIATE VOICE			
CCNA Certification	IIUC Implementing Cisco IOS Unified Communications	5	IIUC #640-460
CCNA CISCO CERTIFIED NETWORK ASSOCIATE WIRELESS			
CCNA Certification	IUWNE Implem. Cisco Unified Wireless Networking Essentials	5	IUWNE #640-721
CCDA CISCO CERTIFIED DESIGN ASSOCIATE			
CCNA Level, BCMSN Level	DESGN Designing for Cisco Internetwork Solutions	5	DESGN Test #640-863

Professional Level Certifications

Prerequisites	Recommended Training	Days	Test
CCNP CISCO CERTIFIED NETWORK PROFESSIONAL			
CCNA Certification	BSCI Building Scalable Cisco Internetworks	5	BSCI Test #642-901 } (or Composite #642-892)
	BCMSN Building Cisco Multilayer Switched Networks	5	
	ISCW Implementing Secure Converged Wide Area Networks	5	
	ONT Optimizing Converged Cisco Networks	5	
CCDP CISCO CERTIFIED DESIGN PROFESSIONAL			
CCNA & CCDA Certification	BSCI Building Scalable Cisco Internetworks	5	BSCI Test #642-901 } (or Composite #642-892)
	BCMSN Building Cisco Multilayer Switched Networks	5	
	ARCH Designing Cisco Network Service Architectures	5	
CCSP CISCO CERTIFIED SECURITY PROFESSIONAL			
CCNA Security Certification	SNRS Securing Networks with Cisco Routers & Switches	5	SNRS Test #642-504 SNAF Test #642-524 IPS Test #642-533 Plus one Elective CANAC #642-591 MARS #642-545 SNAA Test #642-515
	SNAF Securing Networks with ASA Fundamentals	5	
	IPS Implementing Cisco Intrusion Prevention System	4	
	CANAC Implementing Cisco NAC Appliance	3	
	MARS Implementing Cisco Security MARS	4	
	SNAA Securing Networks with ASA Advanced	5	
CCIP CISCO CERTIFIED INTERNETWORK PROFESSIONAL			
CCNA Certification	BSCI Building Scalable Cisco Internetworks	5	BSCI Test #642-901 } (or BGP & MPLS #642-691)
	QOS Implementing Cisco QoS	5	
	BGP Configuring BGP on Cisco Routers	5	
	MPLS Implementing Cisco MPLS	5	
CCVP CISCO CERTIFIED VOICE PROFESSIONAL			
CCNA Voice Certification	QOS Implementing Cisco QoS	5	QOS Test #642-642 CVOICE Test #642-436 CIPT1 Test #642-446 CIPT2 Test #642-456 TUC Test #642-426
	CVOICE Cisco Voice over IP	5	
	CIPT1 Implementing Cisco Unified Communications Manager 1	5	
	CIPT2 Implementing Cisco Unified Communications Manager 2	5	
	TUC Troubleshooting Cisco Unified Communications Systems	5	



Cisco Career Certifications

Specialist Certifications: Advanced Routing & Switching

Prerequisites	Recommended Training	Days	Test
CISCO ROUTING & SWITCHING FIELD SPECIALIST			
CCNP Certification	ARSFE Advanced Routing & Switching for Field Engineers WAAS Wide Area Application Services	5 3	ARSFE Test #642-066 WAASFE Test #642-655 CLSARS Test #650-059
CISCO ROUTING & SWITCHING SOLUTIONS SPECIALIST			
CCDA Certification	RSSSE Routing & Switching Solutions for System Engineers WAAS Wide Area Application Services	5 3	RSSSE Test #642-061 WAASSE Test #642-654 CLSARS Test #650-059
CISCO ROUTING & SWITCHING SALES SPECIALIST			
CSE Certification	RSAS Routing & Switching Advanced Sales WAASAM Wide Area Application Services for AMs		ARSAM Test #646-003 WAASAM Test #646-653 LCSE Test #650-393

Specialist Certifications: Foundation for Channel Partners

Prerequisites	Recommended Training	Days	Test
CISCO EXPRESS FOUNDATION DESIGN SPECIALIST			
CCDA Certification	CXFS Cisco Express Foundation SE	5	CXFS Test #642-373
CISCO EXPRESS FOUNDATION FIELD SPECIALIST			
CCNA Certification	CXFF Cisco Express Foundation FE	5	CXFF Test #642-383
CISCO EXPRESS FOUNDATION SALES SPECIALIST			
CSE Certification	CXFA Cisco Express Foundation AM		CXFA Test #646-363

Specialist Certifications: IP Communications

Prerequisites	Recommended Training	Days	Test
CISCO IP COMMUNICATIONS EXPRESS SPECIALIST			
CCNA Voice Certification	IIUC Implementing Cisco IOS Unified Communications IIUC2 Implementing Cisco IOS Unified Communications Part 2	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	5 5	UCAD Test #642-415 QOS Test #642-642 LCSAUC Test #650-251
CISCO RICH MEDIA COMMUNICATIONS SPECIALIST			
CCNA Certification	ICRMC Impl. Cisco IP Video Conference Rich Media Comm. CVOICE Cisco Voice over IP	5 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 5	CUDN Test #642-072
CISCO UNITY SUPPORT SPECIALIST			
None	IUM Implementing Cisco Unified Messaging	5	IUM Test #642-105
CISCO MEETINGPLACE DESIGN SPECIALIST			
None	DMPS Designing Cisco Unified MeetingPlace Solutions	3	DMPS Test #642-272
CISCO MEETINGPLACE SUPPORT SPECIALIST			
None	IMPS Implementing Cisco Unified MeetingPlace Solutions	5	IMPS Test #642-274
CISCO UNIFIED PRESENCE SPECIALIST			
None	PRSDI Cisco Unified Presence Design & Implementation	3	PRSDI Test #642-181
CISCO ADVANCED IP COMMUNICATIONS SALES SPECIALIST			
CSE Certification	IPCAS IP Communications Advanced Sales		AUCAM Test #646-230 LCSE Test #650-393
CISCO IP COMMUNICATIONS EXPRESS SALES SPECIALIST			
CSE Certification	UCXAM Unified Communications Express AM		UCXAM Test #646-223 LCSE Test #650-393

Specialist Certifications: Data Center

Prerequisites	Recommended Training	Days	Test
CISCO DATA CENTER APPLICATION SERVICES SUPPORT SPECIALIST			
CCNA Certification	DCASI Implementing Cisco Data Center Application Services	5	DCASI Test #642-975
CISCO DATA CENTER APPLICATION SERVICES DESIGN SPECIALIST			
CCDA Certification	DCASD Designing Cisco Data Center Application Services	5	DCASD Test #642-972
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 4	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	CSSDS Test #642-355
CISCO DATA CENTER STORAGE NETWORKING SUPPORT SPECIALIST			
None	ICSNS Implementing Cisco Storage Networking Solutions IASNS Implementing Cisco Advanced Storage Networking Solutions	5 5	CSSSS Test #642-356
CISCO DATA CENTER NETWORKING SALES SPECIALIST			
CSE Certification	DCNS Selling Cisco Data Center Networking Solutions		DCNS Test #646-976
CISCO DATA CENTER STORAGE NETWORKING SALES SPECIALIST			
CSE Certification	DCNS Selling Cisco Data Center Networking Solutions		DCNS Test #646-976

Specialist Certifications: VPN & Security

Prerequisites	Recommended Training	Days	Test
CISCO ASA SPECIALIST			
CCNA Security Certification	SNAF Securing Networks with ASA Fundamentals SNAF Securing Networks with ASA Advanced	5 5	SNAF Test #642-524 SNAF Test #642-515
CISCO IOS SECURITY SPECIALIST			
CCNA Security Certification	SNRS Securing Networks with Cisco Routers & Switches	5	SNRS Test #642-503
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

Specialist Certifications: 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 #642-586 LCSAWLAN Test#650-621
CISCO ADVANCED WIRELESS LAN FIELD SPECIALIST			
CCNA Certification	CWLF Cisco Wireless LAN Fundamentals CWLAT Cisco Wireless LAN Advanced Topics	4 4	AWLANFE Test #642-587 LCSAWLAN Test#650-621
CISCO ADVANCED WIRELESS LAN SALES SPECIALIST			
CSE Certification	WLAS Wireless LAN Advanced Sales		AWLANAM Test #646-588 LCSE Test #650-393

Sales Certification

Prerequisites	Recommended Training	Days	Test
CSE CISCO SALES EXPERT			
None	CSE Cisco Sales Essentials	3	CSE Test #646-204

Cisco Channel Partner Program

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

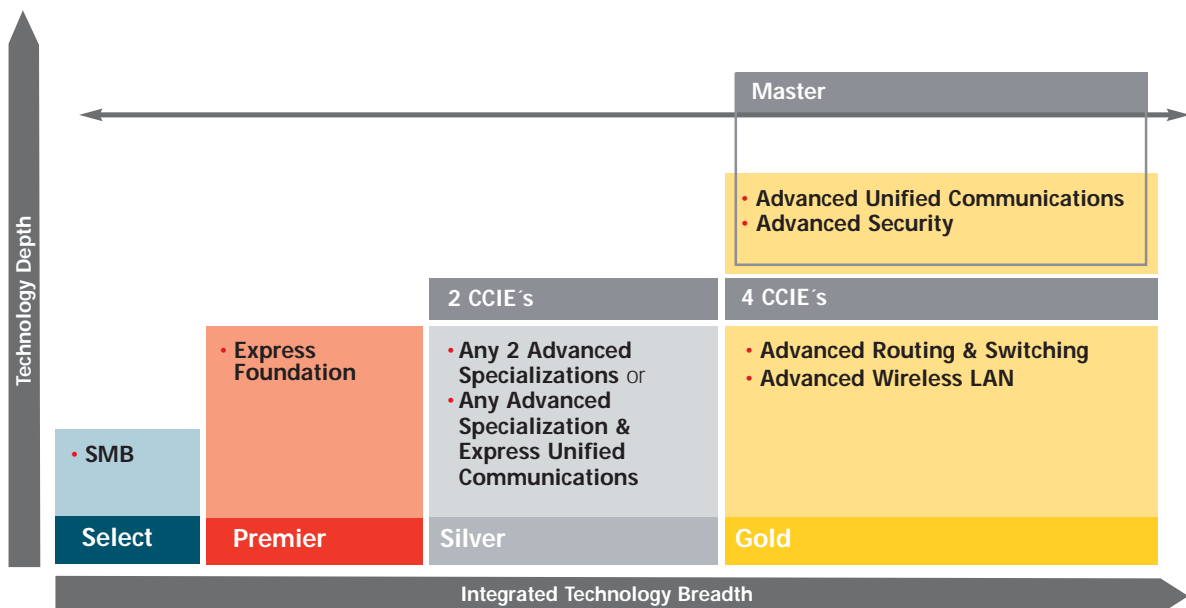
Cisco specializations reflect a partner's skills depth in a particular technology. The Cisco Channel Partner Program offers four levels of specialization:

- **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.

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

SELECT CERTIFICATION SPECIALIZATION REQUIREMENTS

- SMB Specialization

CERTIFIED INDIVIDUALS

Specialization	Account Manager	Engineer	Total Individuals
SMB	Cisco SMB Account Manager	Cisco SMB Engineer	1 or 2

Premier Partner

PREMIER CERTIFICATION SPECIALIZATION REQUIREMENTS

- Express Foundation Specialization

CERTIFIED INDIVIDUALS

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

Silver Partner

SILVER CERTIFICATION SPECIALIZATION REQUIREMENTS

- Two Advanced Specializations (Express Unified Communications can be substituted for one of the Advanced Specializations at the Silver Certification level but cannot be combined with Advanced Unified Communications Specialization.)

CERTIFIED INDIVIDUALS

Specialization	Account Manager	System Engineer	Field Engineer	Total 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

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

Gold Partner

GOLD CERTIFICATION SPECIALIZATION REQUIREMENTS

- Advanced Unified Communications Specialization
- Advanced Security Specialization
- Advanced Routing & Switching Specialization
- Advanced Wireless LAN Specialization

CERTIFIED INDIVIDUALS

Specialization	Account Manager	System Engineer	Field Engineer	Total 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).

* 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, Cisco Unified Presence Specialist

Cisco Channel Partner Program: Training by Specialization

SMB Specialization

Job Role	Cisco Career Certification	Prerequisites	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	Cisco Career Certification	Prerequisites	Recommended Training	Test
EXPRESS FOUNDATION				
AM	Cisco Express Foundation Sales Specialist	CSE Test #646-204	CXFA Express Foundation AM	CXFA Test #646-363
SE	Cisco Express Foundation Design Specialist	CCDA Test #640-863	CXFS Express Foundation SE	CXFS Test #642-373
FE	Cisco Express Foundation Field Specialist	CCNA Test #640-802	CXFF Express Foundation FE	CXFF Test #642-383

Job Role	Cisco Career Certification	Prerequisites	Recommended Training	Test
EXPRESS UNIFIED COMMUNICATIONS				
AM	Cisco IP Communications Express Sales Specialist	CSE Test #646-204	Unified Communications Express AM Cisco Lifecycle Services Express	UCXAM Test #646-223 LCSE Test #650-393
SE	Cisco IP Communications Express Specialist	CCNA Voice Test #640-460	IUC2 Implementing Cisco IOS Unified Communications Part 2 Cisco Lifecycle Services Express	IUC2 Test #642-145 LCSE Test #650-393

Advanced Specialization

Job Role	Cisco Career Certification	Prerequisites	Recommended Training	Test
ADVANCED SECURITY				
AM	Cisco Security Sales Specialist	CSE Test #646-204	ASAM Advanced Security for Account Managers	ASAM Test #646-563
SE	Cisco Security Solutions & Design Specialist	CCDA Test #640-863	SSSE Security Solutions for System Engineers	SSSE Test #642-566
FE	Cisco Advanced Security Field Specialist	CCSP Test #642-503 SNRS Test #642-524 SNAF Test #642-533 IPS Plus one Elective: Test #642-591 CANAC Test #642-544 MARS Test # 642-515 SNAA (or CCIE Security)	Lifecycle Services Advanced Security	LCSAS Test #650-575

Job Role	Cisco Career Certification	Prerequisites	Recommended Training	Test
ADVANCED WIRELESS LAN				
AM	Cisco Advanced Wireless LAN Sales Specialist	CSE Test #646-204	WLAS Wireless LAN Advanced Sales Cisco Lifecycle Services Express	AWLANAM Test #646-588 LCSE Test #650-393
SE	Cisco Advanced Wireless LAN Design Specialist	CCDA Test #640-863	CWLF Cisco Wireless LAN Fundamentals CWLAT Cisco WLAN Advanced Topics Lifecycle Services for Advanced WLAN	AWLANSE Test #642-586 LCSAWLAN Test #650-621
FE	Cisco Advanced Wireless LAN Field Specialist	CCNA Test #640-802	CWLF Cisco Wireless LAN Fundamentals CWLAT Cisco WLAN Advanced Topics Lifecycle Services for Advanced WLAN	AWLANFE Test #642-587 LCSAWLAN Test #650-621

Job Role	Cisco Career Certification	Prerequisites	Recommended Training	Test
ADVANCED ROUTING & SWITCHING				
AM	Cisco Routing & Switching Sales Specialist	CSE Test #646-204	RSAS Routing & Switching Advanced Sales Cisco WAAS for AMs Cisco Lifecycle Services Express	ARSAM Test #646-003 WAASAM Test #646-653 LCSE Test #650-393
SE	Cisco Advanced Routing & Switching Solutions Specialist	CCDA Test #640-863	QOS Cisco Quality of Service BSCI Building Scalable Cisco Internetworks RSSSE Routing & Switching Solutions for System Engineers WAAS Wide Area Application Services Lifecycle Services Advanced Routing & Switching	RSSSE Test #642-061 WAASSE Test #642-654 LCSARS Test #650-059
FE	Cisco Advanced Routing & Switching Field Specialist	CCNP Test #642-901 BSCI Test #642-812 BCMSN Test #642-825 ISCW Test #642-845 ONT	QOS Cisco Quality of Service ARSFE Advanced Routing & Switching for Field Engineers WAAS Wide Area Application Services Lifecycle Services Advanced Routing & Switching	ARSFE Test #642-066 WAASFE Test #642-655 LCSARS Test #650-059

Job Role	Cisco Career Certification	Prerequisites	Recommended Training	Test
ADVANCED UNIFIED COMMUNICATIONS				
AM	Cisco Advanced IPC Sales Specialist	CSE Test #646-204	IPCAS IPC Advanced Sales Cisco Lifecycle Services Express	AUCAM Test #646-230 LCSE Test #650-393
SE	Cisco IPC Design Specialist	CCDA Test #640-863	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 Test #642-642 QOS Test #642-436 CVOICE Test #642-446 CIPT1 Test #642-456 CIPT2 Test #642-426 TUC	Cisco Lifecycle Services for Advanced Unified Communications	LCSAUC Test #650-251
Additional Requirements*				
	Cisco Unified Contact Center Express Specialist	None	UCCXD Unified Contact Center Express & Unified IP IVR Deployment	UCCX Test #642-164
	Cisco Unity Design Specialist	CCDA Test #640-863	CUDN Cisco Unity Design & Networking IUM Implem. Cisco Unified Messaging	CUDN Test #642-072
	Cisco Unity Support Specialist	None	IUM Implementing Cisco Unified Messaging	IUM Test #642-105
	Cisco Rich Media Communications Specialist	CCNA Test #640-802	ICRMC Implementing Cisco IP Video Conference Rich Media Communications CVOICE Cisco Voice over IP	CRMC Test #642-481 CVOICE Test #642-436
	Cisco Unified Presence Specialist	None	PRSDI Cisco Unified Presence Design & Implementation	PRSDI Test #642-181

* 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, Cisco Unified Presence Specialist

CONTACT US.

Fast Lane offers all 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.

Cisco Channel Partner Program: Training by Specialization

Optional Specializations

Job Role	Cisco Career Certification	Prerequisites	Recommended Training	Test
ADVANCED DATA CENTER NETWORK INFRASTRUCTURE				
AM	Cisco Data Center Networking Sales Specialist	CSE Test #646-204	DCNS Selling Cisco Data Center Networking Solutions	DCNS Test #646-976
SE	Cisco Data Center Network Infrastructure Design Specialist	CCDA Test #640-863	DCNID Designing Cisco Data Center Network Infrastructure	DCNID Test #642-971
FE	Cisco Data Center Network Infrastructure Support Specialist	CCNP Test #642-901 BSCI Test #642-812 BCMSN Test #642-825 ISCW Test #642-845 ONT	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
	Cisco Data Center Application Services Design Specialist	CCDA Test #640-863	DCASD Designing Cisco Data Center Application Services	DCASD Test #642-972
	Cisco Data Center Application Services Support Specialist	CCNA Test #640-802	DCASI Implementing Cisco Data Center Application Services	DCASI Test #642-975

Job Role	Cisco Career Certification	Prerequisites	Recommended Training	Test
ADVANCED DATA CENTER STORAGE NETWORKING				
AM	Cisco Data Center Storage Networking Sales Specialist	CSE Test #646-204	DCNS Selling Cisco Data Center Networking Solutions	DCNS Test #646-976
SE	Cisco Data Center Storage Networking Design Specialist	None	DCSNS Designing Cisco Storage Networking Solutions	CSSDS Test #642-355
FE	Cisco Data Center Storage Networking Support Specialist	None	ICSNS Implementing Cisco Storage Networking Solutions IASNS Implementing Cisco Advanced Storage Networking Solutions	CSSSS Test #642-356

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.



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.

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.

TESTING CENTER

Our online testing 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



IP Video Surveillance



Data Center/Storage Networking



Security & VPN



Wireless LAN



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 Bulgaria		Hamburg	E 20.04.-24.04.09	Munich	14.09.-18.09.09	Rome	30.03.-03.04.09
Sofia	09.02.-13.02.09	Berlin	04.05.-08.05.09	Berlin	21.09.-25.09.09	Milan	20.04.-24.04.09
Sofia	09.03.-13.03.09	Duesseldorf	04.05.-08.05.09	Hamburg	21.09.-25.09.09	Rome	11.05.-15.05.09
Sofia	06.04.-10.04.09	Munich	11.05.-15.05.09	Frankfurt	28.09.-02.10.09	Milan	18.05.-22.05.09
Sofia	04.05.-08.05.09	Hamburg	25.05.-29.05.09	Cologne	28.09.-02.10.09	Rome	08.06.-12.06.09
Sofia	08.06.-12.06.09	Berlin	25.05.-29.05.09	Berlin	05.10.-09.10.09	Milan	29.06.-03.07.09
SCHEDULE France		Berlin	08.06.-12.06.09	Munich	05.10.-09.10.09	Milan	14.09.-18.09.09
Valbonne	09.03.-13.03.09	Munich	15.06.-19.06.09	Duesseldorf	12.10.-16.10.09	Rome	28.09.-02.10.09
Valbonne	11.05.-15.05.09	Nuremberg	15.06.-19.06.09	Munich	E 12.10.-16.10.09	Milan	19.10.-23.10.09
SCHEDULE Germany		Hannover	22.06.-26.06.09	Stuttgart	19.10.-23.10.09	Rome	09.11.-13.11.09
Frankfurt	E 02.02.-06.02.09	Hamburg	22.06.-26.06.09	Nuremberg	19.10.-23.10.09	Milan	30.11.-04.12.09
Dortmund	02.02.-06.02.09	Stuttgart	29.06.-03.07.09	Hamburg	26.10.-30.10.09	SCHEDULE Spain	
Duesseldorf	02.02.-06.02.09	Frankfurt	29.06.-03.07.09	Hannover	26.10.-30.10.09	Madrid	02.03.-06.03.09
Hamburg	E 09.02.-13.02.09	Dresden	06.07.-10.07.09	Frankfurt	02.11.-06.11.09	Madrid	04.05.-08.05.09
Frankfurt	09.02.-13.02.09	Berlin	06.07.-10.07.09	Munich	02.11.-06.11.09	SCHEDULE Sweden	
Berlin	16.02.-20.02.09	Munich	E 13.07.-17.07.09	Duesseldorf	09.11.-13.11.09	Stockholm	16.02.-20.02.09
Munich	23.02.-27.02.09	Nuremberg	E 13.07.-17.07.09	Berlin	E 09.11.-13.11.09	Stockholm	23.03.-27.03.09
Nuremberg	23.02.-27.02.09	Duesseldorf	E 13.07.-17.07.09	Cologne	09.11.-13.11.09	Stockholm	04.05.-08.05.09
Stuttgart	02.03.-06.03.09	Hamburg	20.07.-24.07.09	Hamburg	16.11.-20.11.09	Stockholm	08.06.-12.06.09
Frankfurt	02.03.-06.03.09	Frankfurt	27.07.-31.07.09	Hannover	16.11.-20.11.09	Stockholm	17.08.-21.08.09
Duesseldorf	09.03.-13.03.09	Munich	03.08.-07.08.09	Stuttgart	E 23.11.-27.11.09	Stockholm	21.09.-25.09.09
Berlin	E 09.03.-13.03.09	Berlin	10.08.-14.08.09	Munich	23.11.-27.11.09	Stockholm	02.11.-06.11.09
Cologne	09.03.-13.03.09	Duesseldorf	17.08.-21.08.09	Nuremberg	E 23.11.-27.11.09	Stockholm	07.12.-11.12.09
Berlin	16.03.-20.03.09	Hannover	E 17.08.-21.08.09	Muenster	30.11.-04.12.09	SCHEDULE Switzerland	
Munich	E 16.03.-20.03.09	Hamburg	E 17.08.-21.08.09	Frankfurt	30.11.-04.12.09	Zurich	E 02.03.-06.03.09
Stuttgart	E 16.03.-20.03.09	Cologne	17.08.-21.08.09	Frankfurt	E 07.12.-11.12.09	Zurich	11.05.-15.05.09
Dresden	16.03.-20.03.09	Hamburg	24.08.-28.08.09	Berlin	07.12.-11.12.09	Zurich	22.06.-26.06.09
Hamburg	23.03.-27.03.09	Frankfurt	24.08.-28.08.09	Munich	07.12.-11.12.09	Zurich	03.08.-07.08.09
Hannover	23.03.-27.03.09	Muenster	31.08.-04.09.09	Hamburg	14.12.-18.12.09	Zurich	14.09.-18.09.09
Berlin	30.03.-03.04.09	Berlin	31.08.-04.09.09	SCHEDULE Italy		Zurich	E 12.10.-16.10.09
Munich	30.03.-03.04.09	Stuttgart	07.09.-11.09.09	Milan	02.02.-06.02.09	Zurich	23.11.-27.11.09
Frankfurt	20.04.-24.04.09	Frankfurt	E 07.09.-11.09.09	Rome	02.03.-06.03.09	E Training in English	
Stuttgart	20.04.-24.04.09	Nuremberg	07.09.-11.09.09	Milan	16.03.-20.03.09	Further English dates on request	



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 Bulgaria		Stuttgart	04.05.-08.05.09	Munich	21.09.-25.09.09	Milan	04.05.-08.05.09
Sofia	23.02.-27.02.09	Hamburg	E 04.05.-08.05.09	Berlin	28.09.-02.10.09	Rome	25.05.-29.05.09
Sofia	23.03.-27.03.09	Duesseldorf	11.05.-15.05.09	Hamburg	28.09.-02.10.09	Milan	08.06.-12.06.09
Sofia	20.04.-24.04.09	Berlin	11.05.-15.05.09	Cologne	05.10.-09.10.09	Milan	22.06.-26.06.09
Sofia	18.05.-22.05.09	Munich	25.05.-29.05.09	Frankfurt	05.10.-09.10.09	Milan	06.07.-10.07.09
Sofia	22.06.-26.06.09	Hamburg	08.06.-12.06.09	Berlin	12.10.-16.10.09	Rome	13.07.-17.07.09
SCHEDULE France		Frankfurt	15.06.-19.06.09	Munich	12.10.-16.10.09	Milan	12.10.-16.10.09
Valbonne	23.02.-27.02.09	Stuttgart	15.06.-19.06.09	Duesseldorf	19.10.-23.10.09	Rome	26.10.-30.10.09
Valbonne	30.03.-03.04.09	Stuttgart	E 22.06.-26.06.09	Munich	E 19.10.-23.10.09	Milan	16.11.-20.11.09
Valbonne	08.06.-12.06.09	Nuremberg	22.06.-26.06.09	Stuttgart	26.10.-30.10.09	Rome	14.12.-18.12.09
SCHEDULE Germany		Munich	22.06.-26.06.09	Nuremberg	26.10.-30.10.09	SCHEDULE Spain	
Frankfurt	E 09.02.-13.02.09	Berlin	29.06.-03.07.09	Hannover	02.11.-06.11.09	Madrid	09.02.-13.02.09
Dortmund	09.02.-13.02.09	Hannover	29.06.-03.07.09	Hamburg	02.11.-06.11.09	Madrid	13.04.-17.04.09
Duesseldorf	09.02.-13.02.09	Frankfurt	06.07.-10.07.09	Munich	09.11.-13.11.09	Madrid	15.06.-19.06.09
Hamburg	E 16.02.-20.02.09	Stuttgart	06.07.-10.07.09	Frankfurt	09.11.-13.11.09	SCHEDULE Sweden	
Frankfurt	16.02.-20.02.09	Munich	13.07.-17.07.09	Cologne	16.11.-20.11.09	Stockholm	02.03.-06.03.09
Berlin	23.02.-27.02.09	Dresden	20.07.-24.07.09	Duesseldorf	16.11.-20.11.09	Stockholm	30.03.-03.04.09
Nuremberg	02.03.-06.03.09	Duesseldorf	20.07.-24.07.09	Hamburg	23.11.-27.11.09	Stockholm	11.05.-15.05.09
Munich	02.03.-06.03.09	Munich	E 27.07.-31.07.09	Berlin	E 23.11.-27.11.09	Stockholm	22.06.-26.06.09
Stuttgart	09.03.-13.03.09	Nuremberg	E 27.07.-31.07.09	Hannover	23.11.-27.11.09	Stockholm	24.08.-28.08.09
Frankfurt	09.03.-13.03.09	Hamburg	27.07.-31.07.09	Stuttgart	30.11.-04.12.09	Stockholm	28.09.-02.10.09
Duesseldorf	16.03.-20.03.09	Frankfurt	03.08.-07.08.09	Munich	30.11.-04.12.09	Stockholm	09.11.-13.11.09
Berlin	E 16.03.-20.03.09	Munich	10.08.-14.08.09	Frankfurt	07.12.-11.12.09	SCHEDULE Switzerland	
Cologne	16.03.-20.03.09	Berlin	17.08.-21.08.09	Muenster	07.12.-11.12.09	Zurich	02.02.-06.02.09
Berlin	23.03.-27.03.09	Hamburg	E 24.08.-28.08.09	Berlin	14.12.-18.12.09	Zurich	E 09.03.-13.03.09
Munich	E 23.03.-27.03.09	Cologne	24.08.-28.08.09	Munich	14.12.-18.12.09	Zurich	25.05.-29.05.09
Stuttgart	E 23.03.-27.03.09	Duesseldorf	24.08.-28.08.09	Frankfurt	E 14.12.-18.12.09	Zurich	13.07.-17.07.09
Dresden	23.03.-27.03.09	Hamburg	31.08.-04.09.09	SCHEDULE Italy		Zurich	10.08.-14.08.09
Hamburg	30.03.-03.04.09	Frankfurt	31.08.-04.09.09	Rome	09.02.-13.02.09	Zurich	21.09.-25.09.09
Frankfurt	E 20.04.-24.04.09	Muenster	07.09.-11.09.09	Milan	16.02.-20.02.09	Zurich	E 19.10.-23.10.09
Berlin	20.04.-24.04.09	Berlin	07.09.-11.09.09	Rome	09.03.-13.03.09	Zurich	30.11.-04.12.09
Munich	20.04.-24.04.09	Nuremberg	14.09.-18.09.09	Milan	23.03.-27.03.09	E Training in English	
Frankfurt	04.05.-08.05.09	Stuttgart	14.09.-18.09.09	Rome	06.04.-10.04.09	Further English dates on request	

CCNA Power Workshop (CCNAPW)

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

PREREQUISITES

- None

COURSE CONTENT

The CCNA Power Workshop comprises the following courses:

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

SCHEDULE Germany		Berlin	E 20.04.-24.04.09	Duesseldorf	14.09.-18.09.09	Munich	E 07.12.-11.12.09
Nuremberg	02.02.-06.02.09	Dortmund	04.05.-08.05.09	Muenster	14.09.-18.09.09	Stuttgart	07.12.-11.12.09
Munich	02.02.-06.02.09	Cologne	04.05.-08.05.09	Munich	05.10.-09.10.09	SCHEDULE Switzerland	
Berlin	16.02.-20.02.09	Munich	11.05.-15.05.09	Frankfurt	26.10.-30.10.09	Zurich	23.02.-27.02.09
Frankfurt	E 16.02.-20.02.09	Berlin	25.05.-29.05.09	Hamburg	09.11.-13.11.09	Zurich	E 29.06.-03.07.09
Stuttgart	23.02.-27.02.09	Stuttgart	29.06.-03.07.09	Hannover	09.11.-13.11.09	Zurich	07.12.-11.12.09
Muenster	09.03.-13.03.09	Hamburg	20.07.-24.07.09	Munich	16.11.-20.11.09	E Training in English	
Duesseldorf	09.03.-13.03.09	Frankfurt	10.08.-14.08.09	Duesseldorf	23.11.-27.11.09	Further English dates on request	
Hamburg	30.03.-03.04.09	Berlin	31.08.-04.09.09	Berlin	30.11.-04.12.09		

Accelerated preparation for CCNA (Cisco Certified Network Associate) certification

Building Scalable Cisco Internetworks (BSCI)

ID CI-BSCI **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

- Course Introduction to Routing in an Enterprise Network
- Configuring EIGRP
- Configuring OSPF
- The IS-IS Protocol
- Manipulating Routing Updates
- Implementing BGP
- Implementing Multicast
- Implementing the Basics of IPv6

SCHEDULE Bulgaria		Munich	11.05.-15.05.09	Frankfurt	E 02.11.-06.11.09	SCHEDULE Spain	
Sofia	30.03.-03.04.09	Hamburg	E 11.05.-15.05.09	Munich	02.11.-06.11.09	Madrid	02.02.-06.02.09
SCHEDULE France		Berlin	25.05.-29.05.09	Berlin	16.11.-20.11.09	Madrid	20.04.-24.04.09
Valbonne	02.02.-06.02.09	Munich	15.06.-19.06.09	Cologne	E 23.11.-27.11.09	Madrid	22.06.-26.06.09
Valbonne	25.05.-29.05.09	Hamburg	29.06.-03.07.09	Duesseldorf	E 23.11.-27.11.09	SCHEDULE Sweden	
SCHEDULE Germany		Frankfurt	06.07.-10.07.09	Frankfurt	23.11.-27.11.09	Stockholm	02.02.-06.02.09
Frankfurt	E 02.02.-06.02.09	Stuttgart	13.07.-17.07.09	Hamburg	30.11.-04.12.09	Stockholm	30.03.-03.04.09
Munich	09.02.-13.02.09	Munich	27.07.-31.07.09	Berlin	E 07.12.-11.12.09	Stockholm	01.06.-05.06.09
Stuttgart	16.02.-20.02.09	Stuttgart	E 03.08.-07.08.09	SCHEDULE Italy		Stockholm	07.09.-11.09.09
Hamburg	E 23.02.-27.02.09	Frankfurt	10.08.-14.08.09	Rome	16.02.-20.02.09	SCHEDULE Switzerland	
Frankfurt	02.03.-06.03.09	Cologne	17.08.-21.08.09	Milan	16.03.-20.03.09	Zurich	16.02.-20.02.09
Cologne	09.03.-13.03.09	Duesseldorf	17.08.-21.08.09	Rome	04.05.-08.05.09	Zurich	E 20.04.-24.04.09
Duesseldorf	09.03.-13.03.09	Berlin	31.08.-04.09.09	Milan	15.06.-19.06.09	Zurich	04.05.-08.05.09
Hamburg	16.03.-20.03.09	Hamburg	14.09.-18.09.09	Rome	06.07.-10.07.09	Zurich	13.07.-17.07.09
Frankfurt	23.03.-27.03.09	Munich	E 21.09.-25.09.09	Milan	14.09.-18.09.09	Zurich	E 03.08.-07.08.09
Munich	E 23.03.-27.03.09	Frankfurt	28.09.-02.10.09	Rome	26.10.-30.10.09	Zurich	12.10.-16.10.09
Berlin	30.03.-03.04.09	Stuttgart	12.10.-16.10.09	Milan	23.11.-27.11.09	E Training in English	
Frankfurt	20.04.-24.04.09	Berlin	19.10.-23.10.09	SCHEDULE Latvia		Further English dates on request	
Stuttgart	04.05.-08.05.09	Hamburg	E 19.10.-23.10.09	Riga	09.03.-13.03.09		

Building Cisco Multilayer Switched Networks (BCMSN)



ID CI-BCMSN **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

- Introduction to Campus Networks
- Defining Virtual Networks (VLANs)

- Implementing Spanning Tree
- Implementing InterVLAN Routing
- Implementing High Availability in a Campus Environment
- Wireless Client Access
- Minimizing Service Loss and Data Theft in a Campus Network
- Configuring Campus Switches to Support Voice

SCHEDULE Bulgaria		Munich	25.05.-29.05.09	Stuttgart	26.10.-30.10.09	SCHEDULE Latvia	
Sofia	02.02.-06.02.09	Hamburg	E 25.05.-29.05.09	Hamburg	E 02.11.-06.11.09	Riga	24.08.-28.08.09
Sofia	09.06.-13.06.09	Berlin	15.06.-19.06.09	Berlin	09.11.-13.11.09	SCHEDULE Spain	
SCHEDULE France		Frankfurt	22.06.-26.06.09	Frankfurt	E 16.11.-20.11.09	Madrid	16.02.-20.02.09
Valbonne	20.04.-24.04.09	Munich	29.06.-03.07.09	Munich	16.11.-20.11.09	Madrid	18.05.-22.05.09
Valbonne	22.06.-26.06.09	Hamburg	06.07.-10.07.09	Hamburg	23.11.-27.11.09	SCHEDULE Sweden	
SCHEDULE Germany		Munich	E 13.07.-17.07.09	Berlin	30.11.-04.12.09	Stockholm	09.02.-13.02.09
Frankfurt	E 09.02.-13.02.09	Frankfurt	20.07.-24.07.09	Duesseldorf	E 07.12.-11.12.09	Stockholm	20.04.-24.04.09
Hamburg	16.02.-20.02.09	Stuttgart	27.07.-31.07.09	Frankfurt	07.12.-11.12.09	Stockholm	08.06.-12.06.09
Berlin	23.02.-27.02.09	Munich	10.08.-14.08.09	Cologne	E 07.12.-11.12.09	Stockholm	14.09.-18.09.09
Munich	02.03.-06.03.09	Stuttgart	E 17.08.-21.08.09	SCHEDULE Italy		Stockholm	23.11.-27.11.09
Hamburg	E 09.03.-13.03.09	Berlin	24.08.-28.08.09	Milan	23.02.-27.02.09	SCHEDULE Switzerland	
Frankfurt	16.03.-20.03.09	Cologne	31.08.-04.09.09	Milan	06.04.-10.04.09	Zurich	02.03.-06.03.09
Duesseldorf	23.03.-27.03.09	Frankfurt	31.08.-04.09.09	Rome	11.05.-15.05.09	Zurich	E 04.05.-08.05.09
Cologne	23.03.-27.03.09	Berlin	14.09.-18.09.09	Milan	22.06.-26.06.09	Zurich	27.07.-31.07.09
Hamburg	30.03.-03.04.09	Hamburg	21.09.-25.09.09	Rome	13.07.-17.07.09	Zurich	E 17.08.-21.08.09
Berlin	20.04.-24.04.09	Berlin	28.09.-02.10.09	Milan	21.09.-25.09.09	Zurich	26.10.-30.10.09
Frankfurt	04.05.-08.05.09	Munich	E 05.10.-09.10.09	Rome	09.11.-13.11.09	E Training in English	
Cologne	11.05.-15.05.09	Frankfurt	12.10.-16.10.09	Milan	14.12.-18.12.09	Further English dates on request	
Duesseldorf	11.05.-15.05.09	Hamburg	19.10.-23.10.09				

Implementing Secure Converged Wide Area Networks (ISCW)

ID CI-ISCW **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

- Describe Network Requirements
- Connect Teleworks
- Implement Frame Mode MPLS
- IPSec VPNs

- Cisco Device Hardening
- Cisco IOS Threat Defense Features



SCHEDULE Bulgaria	Frankfurt	25.05.-29.05.09	Frankfurt	26.10.-30.10.09	Madrid	23.02.-27.02.09
Sofia	Munich	15.06.-19.06.09	Hamburg	E 02.11.-06.11.09	Madrid	15.06.-19.06.09
SCHEDULE France	Hamburg	E 22.06.-26.06.09	Stuttgart	09.11.-13.11.09	SCHEDULE Sweden	
Valbonne	Berlin	29.06.-03.07.09	Berlin	23.11.-27.11.09	Stockholm	09.03.-13.03.09
SCHEDULE Germany	Hamburg	06.07.-10.07.09	Hamburg	30.11.-04.12.09	Stockholm	11.05.-15.05.09
Frankfurt	Munich	20.07.-24.07.09	Frankfurt	07.12.-11.12.09	Stockholm	12.10.-16.10.09
Frankfurt	Stuttgart	E 20.07.-24.07.09	Duesseldorf	E 07.12.-11.12.09	Stockholm	07.12.-11.12.09
Stuttgart	Cologne	10.08.-14.08.09	Berlin	14.12.-18.12.09	SCHEDULE Switzerland	
Duesseldorf	Duesseldorf	10.08.-14.08.09	SCHEDULE Italy		Zurich	23.02.-27.02.09
Munich	Cologne	07.09.-11.09.09	Milan	09.03.-13.03.09	Zurich	11.05.-15.05.09
Cologne	Frankfurt	07.09.-11.09.09	Milan	11.05.-15.05.09	Zurich	E 20.07.-24.07.09
Hamburg	Berlin	14.09.-18.09.09	Rome	08.06.-12.06.09	Zurich	21.09.-25.09.09
Berlin	Stuttgart	21.09.-25.09.09	Rome	19.10.-23.10.09	Zurich	09.11.-13.11.09
Munich	Hamburg	05.10.-09.10.09	Milan	02.11.-06.11.09	E Training in English	
Stuttgart	Berlin	E 12.10.-16.10.09	SCHEDULE Spain		Further English dates on request	

Optimizing Converged Cisco Networks (ONT)

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

PREREQUISITES

Students must be able to:

- Explain the fundamentals of Ethernet
- Complete the initial configuration of a switch
- Basic Spanning Tree Protocol configuration
- Configure a switch with VLANs
- Create basic interswitch connections
- Troubleshoot a VLAN and VTP to the CCNA level
- Complete the initial configuration of a router
- Fundamental security knowledge
- Fundamental knowledge of IP Addressing
- Basic NAT / PAT

- Standard and Extended Access Lists
- Use client utilities including Telnet, IPCONFIG, Trace Route, Ping, FTP, TFTP, and Hyperterminal
- Basic IOS familiarity

COURSE CONTENT

- Describe Network Requirements
- Describing Cisco VoIP Implementations
- Introduction to IP QoS
- Implementing the DiffServ QoS Model
- Implementing AutoQoS
- Wireless Security

SCHEDULE Bulgaria	Hannover	04.05.-08.05.09	Hamburg	19.10.-23.10.09	SCHEDULE Lithuania	
Sofia	Hamburg	04.05.-08.05.09	Berlin	E 26.10.-30.10.09	Vilnius	E 23.02.-27.02.09
SCHEDULE France	Munich	E 25.05.-29.05.09	Frankfurt	09.11.-13.11.09	SCHEDULE Spain	
Valbonne	Berlin	25.05.-29.05.09	Stuttgart	23.11.-27.11.09	Madrid	09.03.-13.03.09
SCHEDULE Germany	Frankfurt	15.06.-19.06.09	Frankfurt	30.11.-04.12.09	Madrid	29.06.-03.07.09
Hamburg	Stuttgart	22.06.-26.06.09	Berlin	07.12.-11.12.09	SCHEDULE Sweden	
Munich	Munich	29.06.-03.07.09	Duesseldorf	E 14.12.-18.12.09	Stockholm	16.03.-20.03.09
Nuremberg	Berlin	13.07.-17.07.09	Hamburg	14.12.-18.12.09	Stockholm	25.05.-29.05.09
Frankfurt	Stuttgart	E 27.07.-31.07.09	Cologne	E 14.12.-18.12.09	Stockholm	19.10.-23.10.09
Frankfurt	Munich	03.08.-07.08.09	SCHEDULE Italy		SCHEDULE Switzerland	
Stuttgart	Cologne	24.08.-28.08.09	Milan	23.03.-27.03.09	Zurich	09.03.-13.03.09
Hamburg	Duesseldorf	24.08.-28.08.09	Rome	18.05.-22.05.09	Zurich	22.06.-26.06.09
Munich	Hamburg	31.08.-04.09.09	Milan	06.07.-10.07.09	Zurich	E 27.07.-31.07.09
Berlin	Cologne	21.09.-25.09.09	Rome	12.10.-16.10.09	Zurich	05.10.-09.10.09
Duesseldorf	Frankfurt	21.09.-25.09.09	Milan	16.11.-20.11.09	Zurich	23.11.-27.11.09
Munich	Berlin	28.09.-02.10.09	SCHEDULE Latvia		E Training in English	
Cologne	Stuttgart	05.10.-09.10.09	Riga	30.03.-03.04.09	Further English dates on request	

CCNP Power Workshop (CCNPPW)



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

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

PREREQUISITES

- CCNA certification

COURSE CONTENT

The CCNP Power Workshop comprises the following courses:

- Building Scalable Cisco Internetworks (BSCI)
- Building Cisco Multilayer Switched Networks (BCMSN)
- Implementing Secure Converged Wide Area Networks (ISCW)
- Optimizing Converged Cisco Networks (ONT)

SCHEDULE Germany		Frankfurt	E 26.10.-07.11.09
Munich	E 02.02.-14.02.09	Berlin	23.11.-05.12.09
Berlin	02.03.-14.03.09	SCHEDULE Switzerland	
Frankfurt	15.06.-27.06.09	Zurich	E 02.02.-14.02.09
Munich	E 06.07.-18.07.09	Zurich	05.10.-17.10.09
Hamburg	10.08.-22.08.09	E Training in English	
Munich	05.10.-17.10.09	Further English dates on request	

CCIE Preparation Lab Routing & Switching (CCIE)

ID FL-CCIE **Price** 5.790,00 EUR (excl. VAT) **Duration** 10 Days

PREREQUISITES

- CCIE written exam

COURSE CONTENT

- Switching labs
- Frame Relay & logical Layout labs
- ODR labs
- OSPF labs
- EIGRP labs
- BGP labs
- IP Multicast labs
- Quality of Service labs
- IP Services labs
- IPv6 labs



SCHEDULE Germany		Berlin	E 09.11.-20.11.09
Frankfurt	06.04.-17.04.09	Hamburg	07.12.-18.12.09
Berlin	08.06.-19.06.09	E Training in English	
Hamburg	E 13.07.-24.07.09	Further English dates on request	
Hamburg	05.10.-16.10.09		

Cisco Professionals Troubleshooting (CPT)

80% Hands-on Training!

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

PREREQUISITES

- **Building Scalable Cisco Internetworks (BSCI), Building Cisco Multilayer Switched Networks (BCMSN), Implementing Secure Converged Wide Area Networks (ISCW) and Optimizing Converged Cisco Networks (ONT) courses**

- Remote Access (IPSec, VPN)
- 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

SCHEDULE Germany		Hamburg	E 07.09.-11.09.09
Berlin	09.02.-13.02.09	Duesseldorf	05.10.-09.10.09
Frankfurt	E 23.02.-27.02.09	Munich	E 12.10.-16.10.09
Hamburg	09.03.-13.03.09	Stuttgart	09.11.-13.11.09
Munich	20.04.-24.04.09	Frankfurt	E 16.11.-20.11.09
Hamburg	E 04.05.-08.05.09	Munich	30.11.-04.12.09
Duesseldorf	11.05.-15.05.09	SCHEDULE Switzerland	
Frankfurt	22.06.-26.06.09	Zurich	20.04.-24.04.09
Berlin	E 29.06.-03.07.09	Zurich	30.11.-04.12.09
Hamburg	27.07.-31.07.09	E Training in English	
Berlin	31.08.-04.09.09	Further English dates on request	

Routing & Switching Solutions for System Engineers (RSSSE)

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

PREREQUISITES

- CCDP certification or comparable experience



COURSE CONTENT

- SONA Overview
- Advanced Technology
- Choose Routing and Switching Solutions
- Design an Advanced Technology Ready Organization

SCHEDULE Germany		SCHEDULE Switzerland	
Berlin	E 23.02.-24.02.09	Frankfurt	19.10.-20.10.09
Hamburg	23.03.-24.03.09	Frankfurt	E 16.11.-17.11.09
Munich	E 04.05.-05.05.09	Munich	02.12.-03.12.09
Munich	21.05.-22.05.09	Zurich	21.05.-22.05.09
Berlin	22.06.-23.06.09	Zurich	02.12.-03.12.09
Berlin	E 06.07.-07.07.09		
Hamburg	17.08.-18.08.09		
Hamburg	E 14.09.-15.09.09		
		E Training in English Further English dates on request	

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		SCHEDULE Switzerland	
Berlin	E 23.02.-25.02.09	Frankfurt	21.10.-23.10.09
Hamburg	25.03.-27.03.09	Frankfurt	E 18.11.-20.11.09
Frankfurt	E 27.04.-29.04.09	Munich	02.12.-04.12.09
Munich	18.05.-20.05.09	Zurich	18.05.-20.05.09
Berlin	24.06.-26.06.09	Zurich	02.12.-04.12.09
Berlin	E 08.07.-10.07.09		
Hamburg	19.08.-21.08.09		
Hamburg	E 16.09.-18.09.09		
		E Training in English Further English dates on request	

Cisco Foundation Express for System Engineers (CFXSE)

CISCO FOUNDATION EXPRESS TRAINING

ID CI-CFXSE **Price** 2.350,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCDA certification

COURSE CONTENT

- Introduction to Cisco Foundation Express
- Cisco Routing and Catalyst Switching Products
- Cisco Security product families

- Cisco Wireless product families
- Cisco Integrated Network Management

SCHEDULE Germany		SCHEDULE Switzerland	
Hamburg	E 23.02.-27.02.09	Hamburg	E 19.10.-23.10.09
Berlin	E 11.05.-15.05.09	Berlin	E 16.11.-20.11.09
Munich	E 06.07.-10.07.09	Frankfurt	E 14.12.-18.12.09
Frankfurt	E 31.08.-04.09.09		
		E Training in English Further English dates on request	

Cisco Foundation Express for Field Engineers (CFXFE)

ID CI-CFXFE **Price** 2.350,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNA certification

COURSE CONTENT

- Introduction to Cisco Foundation Express
- Cisco Catalyst Switching and Routing solutions
- Implementing Cisco Security Solutions

- Implementing Cisco Integrated Wireless Network Solutions

SCHEDULE Germany		SCHEDULE Switzerland	
Hamburg	E 16.02.-20.02.09	Hamburg	E 12.10.-16.10.09
Berlin	E 04.05.-08.05.09	Berlin	E 09.11.-13.11.09
Munich	E 29.06.-03.07.09	Frankfurt	E 07.12.-11.12.09
Frankfurt	E 24.08.-28.08.09		
		E Training in English Further English dates on request	

Advanced Catalyst 6500 Switching (CAT6KS)

Including
Virtual
Switching!

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

PREREQUISITES

- CCNP certification or comparable experience

COURSE CONTENT

- Describing the 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 (GOLD, TDR, On Board Failure Logging, System Event Archive, Smart Call Home)
- Implementing SPAN, RSPAN, and ERSPAN

- Implementing High Availability Features (HSRP, FHRP, VRRP, GLBP)
- Implementing Catalyst 6500 Stateful Switchover options (RPR, RPR+, SSO, NSF)
- Network Security Enhancements (TCP Intercept, Unicast RPF, Storm Control, VLAN ACL, VACL Capture, DAI, DHCP Snooping, IP Source Guard, CoPP, Port Security, PVLAN, IEEE 802.1X Port-Base Authentication)



SCHEDULE Germany

Berlin	E 09.02.-13.02.09
Hamburg	09.03.-13.03.09
Munich	20.04.-24.04.09
Hamburg	11.05.-15.05.09
Hamburg	E 25.05.-29.05.09
Frankfurt	15.06.-19.06.09
Hamburg	27.07.-31.07.09
Berlin	31.08.-04.09.09
Berlin	E 14.09.-18.09.09
Duesseldorf	05.10.-09.10.09

Munich	02.11.-06.11.09
Hamburg	30.11.-04.12.09
Hamburg	E 07.12.-11.12.09

SCHEDULE Switzerland

Zurich	02.03.-06.03.09
Zurich	25.05.-29.05.09
Zurich	10.08.-14.08.09
Zurich	02.11.-06.11.09

E Training in English
Further English dates on request

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

Fast Lane
Labs in
Germany!

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 Germany

Berlin	E 09.02.-13.02.09
Munich	02.03.-06.03.09
Berlin	30.03.-03.04.09
Frankfurt	04.05.-08.05.09
Frankfurt	E 11.05.-15.05.09
Hamburg	22.06.-26.06.09
Hamburg	E 20.07.-24.07.09
Duesseldorf	03.08.-07.08.09
Hamburg	31.08.-04.09.09
Frankfurt	28.09.-02.10.09

Frankfurt	E 05.10.-09.10.09
Hamburg	19.10.-23.10.09
Munich	09.11.-13.11.09
Hamburg	E 23.11.-27.11.09
Berlin	14.12.-18.12.09

SCHEDULE Switzerland

Zurich	23.03.-27.03.09
Zurich	09.11.-13.11.09

E Training in English
Further English dates on request

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

SCHEDULE Bulgaria

Sofia E 18.05.-22.05.09

SCHEDULE Germany

Hamburg E 02.02.-06.02.09

Berlin 16.02.-20.02.09

Frankfurt E 02.03.-06.03.09

Hamburg 16.03.-20.03.09

Munich E 30.03.-03.04.09

Berlin 20.04.-24.04.09

Hamburg E 04.05.-08.05.09

Frankfurt 25.05.-29.05.09

Duesseldorf E 15.06.-19.06.09

Munich 03.08.-07.08.09

Berlin E 24.08.-28.08.09

Frankfurt 14.09.-18.09.09

Hamburg E 12.10.-16.10.09

Berlin 02.11.-06.11.09

Berlin E 16.11.-20.11.09

Munich 14.12.-18.12.09

SCHEDULE Poland

Warsaw E 06.07.-10.07.09

SCHEDULE Serbia

Belgrade E 02.02.-06.02.09

SCHEDULE Slovenia

Ljubljana E 01.06.-05.06.09

SCHEDULE Sweden

Stockholm E 02.03.-06.03.09

Stockholm E 01.06.-05.06.09

Stockholm E 17.08.-21.08.09

Stockholm E 19.10.-23.10.09

SCHEDULE Switzerland

Zurich 23.02.-27.02.09

Zurich E 11.05.-15.05.09

Zurich 26.10.-30.10.09

SCHEDULE Turkey

Istanbul E 30.03.-03.04.09

E Training in English

Further English dates on request

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



Implementing Cisco Data Center Network Infrastructure 2 (DCNI-2)

ID CI-DCNI-2 Price 2.690,00 EUR (excl. VAT) Duration 4 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**

COURSE CONTENT

- Deploying the Nexus 7000
 - Overview of the Cisco Nexus 7000
 - Introduction to Virtual Device Contexts in the Cisco Nexus 7000 / NX-OS
 - Managing the Cisco Nexus 7000 / NX-OS
 - Nexus 7000 and NX-OS Layer 2 Protocols & Features
 - Nexus 7000 and NX-OS Layer 3 Protocols & Features
 - Nexus 7000 Fabric Switching
 - Nexus 7000 / NX-OS Quality of Service
 - Nexus 7000 / NX-OS Security
 - Troubleshooting
- Nexus 5000
 - Overview of the Nexus 5000
 - Implementing an FCoE Network Using Nexus 5000 Switches



- Understanding Fibre Channel
- Understanding the FCoE Protocol



SCHEDULE Bulgaria

Sofia E 25.05.-28.05.09

SCHEDULE Germany

Hamburg E 17.02.-20.02.09

Frankfurt 24.03.-27.03.09

Munich E 14.04.-17.04.09

Hamburg 12.05.-15.05.09

Berlin E 02.06.-05.06.09

Frankfurt E 23.06.-26.06.09

Munich 14.07.-17.07.09

Berlin 25.08.-28.08.09

Frankfurt E 08.09.-11.09.09

Hamburg 22.09.-25.09.09

Frankfurt 20.10.-23.10.09

Hamburg E 10.11.-13.11.09

Munich 17.11.-20.11.09

Hamburg 08.12.-11.12.09

SCHEDULE Poland

Warsaw E 13.07.-16.07.09

SCHEDULE Serbia

Belgrade E 09.02.-12.02.09

SCHEDULE Slovenia

Ljubljana E 08.06.-11.06.09

SCHEDULE Sweden

Stockholm E 09.03.-12.03.09

Stockholm E 08.06.-11.06.09

Stockholm E 24.08.-27.08.09

Stockholm E 26.10.-29.10.09

SCHEDULE Switzerland

Zurich 10.03.-13.03.09

Zurich E 16.06.-19.06.09

Zurich 17.11.-20.11.09

SCHEDULE Turkey

Istanbul E 06.04.-09.04.09

E Training in English

Further English dates on request

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: Data Center Design Overview; Data Center Application Design
- Data Center Design Strategy

SCHEDULE Bulgaria

Sofia E 15.06.-19.06.09

SCHEDULE Germany

Frankfurt E 09.02.-13.02.09

Berlin 09.03.-13.03.09

Hamburg E 20.04.-24.04.09

Frankfurt 11.05.-15.05.09

Berlin E 15.06.-19.06.09

Munich 06.07.-10.07.09

Hamburg E 10.08.-14.08.09

Berlin 14.09.-18.09.09

Frankfurt E 05.10.-09.10.09

Hamburg 19.10.-23.10.09

Frankfurt 23.11.-27.11.09

SCHEDULE Poland

Warsaw E 04.05.-08.05.09

SCHEDULE Serbia

Belgrade E 16.03.-20.03.09

SCHEDULE Sweden

Stockholm E 16.03.-20.03.09

Stockholm E 22.06.-26.06.09

Stockholm E 31.08.-04.09.09

Stockholm E 02.11.-06.11.09

SCHEDULE Switzerland

Zurich E 04.05.-08.05.09

Zurich 05.10.-09.10.09

SCHEDULE Turkey

Istanbul E 13.04.-17.04.09

E Training in English

Further English dates on request

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

SCHEDULE Bulgaria

Sofia E 22.06.-26.06.09

SCHEDULE Germany

Hamburg E 02.02.-06.02.09

Berlin 02.03.-06.03.09

Munich E 23.03.-27.03.09

Hamburg 20.04.-24.04.09

Frankfurt E 04.05.-08.05.09

Berlin 15.06.-19.06.09

Frankfurt E 06.07.-10.07.09

Munich 27.07.-31.07.09

Hamburg 14.09.-18.09.09

Munich E 05.10.-09.10.09

Berlin 26.10.-30.10.09

Frankfurt 07.12.-11.12.09

SCHEDULE Poland

Warsaw E 27.07.-31.07.09

SCHEDULE Serbia

Belgrade E 23.03.-27.03.09

SCHEDULE Switzerland

Zurich E 16.02.-20.02.09

Zurich 30.03.-03.04.09

Zurich 11.05.-15.05.09

E Training in English

Further English dates on request

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



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 Germany

Frankfurt 09.02.-13.02.09

Berlin E 16.03.-20.03.09

Hamburg 04.05.-08.05.09

Frankfurt E 22.06.-26.06.09

Munich 27.07.-31.07.09

Berlin 12.10.-16.10.09

Munich E 02.11.-06.11.09

Hamburg 30.11.-04.12.09

SCHEDULE Switzerland

Zurich 28.09.-02.10.09

E Training in English

Further English dates on request

Fast Lane
Labs in
Germany!

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 Bulgaria

Sofia E 01.06.-05.06.09

SCHEDULE Germany

Munich E 02.02.-06.02.09

Frankfurt 16.02.-20.02.09

Hamburg E 02.03.-06.03.09

Duesseldorf 16.03.-20.03.09

Hamburg 20.04.-24.04.09

Berlin E 04.05.-08.05.09

Munich 25.05.-29.05.09

Frankfurt E 08.06.-12.06.09

Hamburg 13.07.-17.07.09

Berlin 10.08.-14.08.09

Berlin E 24.08.-28.08.09

Frankfurt 14.09.-18.09.09

Munich 19.10.-23.10.09

Hamburg E 09.11.-13.11.09

Hamburg 23.11.-27.11.09

Berlin 14.12.-18.12.09

SCHEDULE Poland

Warsaw E 20.07.-24.07.09

SCHEDULE Serbia

Belgrade E 23.02.-27.02.09

SCHEDULE Slovenia

Ljubljana E 15.06.-19.06.09

SCHEDULE Sweden

Stockholm E 04.05.-08.05.09

Stockholm E 14.09.-18.09.09

Stockholm E 23.11.-27.11.09

SCHEDULE Switzerland

Zurich 09.02.-13.02.09

Zurich E 01.06.-05.06.09

Zurich 19.10.-23.10.09

E Training in English

Further English dates on request

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

COURSE CONTENT

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



SCHEDULE Bulgaria

Sofia E 08.06.-12.06.09

SCHEDULE Germany

Frankfurt E 09.02.-13.02.09

Berlin 23.02.-27.02.09

Hamburg E 09.03.-13.03.09

Frankfurt 23.03.-27.03.09

Berlin E 30.03.-03.04.09

Munich 20.04.-24.04.09

Hamburg E 11.05.-15.05.09

Duesseldorf 25.05.-29.05.09

Munich E 15.06.-19.06.09

Hamburg 22.06.-26.06.09

Berlin 27.07.-31.07.09

Munich 24.08.-28.08.09

Munich E 07.09.-11.09.09

Frankfurt 05.10.-09.10.09

Berlin E 19.10.-23.10.09

Duesseldorf 02.11.-06.11.09

Hamburg 30.11.-04.12.09

SCHEDULE Poland

Warsaw E 02.03.-06.03.09

SCHEDULE Serbia

Belgrade E 16.02.-20.02.09

SCHEDULE Slovenia

Ljubljana E 22.06.-26.06.09

SCHEDULE Sweden

Stockholm E 23.03.-27.03.09

Stockholm E 12.10.-16.10.09

Stockholm E 07.12.-11.12.09

SCHEDULE Switzerland

Zurich E 04.05.-08.05.09

Zurich 24.08.-28.08.09

SCHEDULE Turkey

Istanbul E 20.04.-24.04.09

E Training in English

Further English dates on request

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 Germany

Berlin E 02.02.-06.02.09

Frankfurt 23.02.-27.02.09

Hamburg E 23.03.-27.03.09

Munich 20.04.-24.04.09

Frankfurt E 04.05.-08.05.09

Hamburg 25.05.-29.05.09

Berlin E 15.06.-19.06.09

Frankfurt 13.07.-17.07.09

Hamburg 31.08.-04.09.09

Frankfurt E 21.09.-25.09.09

Berlin 19.10.-23.10.09

Munich 23.11.-27.11.09

SCHEDULE Poland

Warsaw E 03.08.-07.08.09

SCHEDULE Serbia

Belgrade E 02.03.-06.03.09

SCHEDULE Switzerland

Zurich 09.03.-13.03.09

Zurich E 22.06.-26.06.09

Zurich 23.11.-27.11.09

SCHEDULE Turkey

Istanbul E 04.05.-08.05.09

E Training in English

Further English dates on request

Cisco Wide Area Application Services (CWAAS)



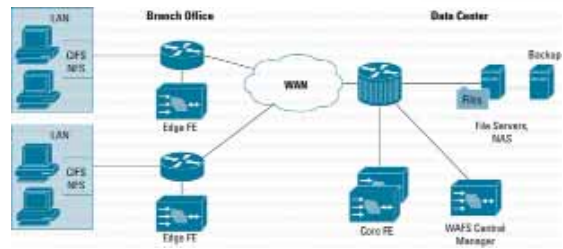
ID CI-CWAAS **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- CCNP certification or equivalent knowledge
- Background in TCP and exposure to layer 7 protocols

COURSE CONTENT

- Cisco Wide Area Application Services
- WAAS Quick Start
- Implementation, Integration, Management
- Cisco WAAS Application Optimizers
- Cisco WAAS Design and Troubleshooting
- Cisco WAAS Mobile Client Solution



SCHEDULE Germany		Berlin	02.11.-06.11.09
Frankfurt	E 16.02.-20.02.09	Frankfurt	14.12.-18.12.09
Hamburg	16.03.-20.03.09	SCHEDULE Switzerland	
Frankfurt	11.05.-15.05.09	Zurich	E 20.04.-24.04.09
Hamburg	E 08.06.-12.06.09	Zurich	13.07.-17.07.09
Munich	13.07.-17.07.09	Zurich	E 28.09.-02.10.09
Frankfurt	E 10.08.-14.08.09	E Training in English	
Hamburg	31.08.-04.09.09	Further English dates on request	
Munich	E 12.10.-16.10.09		

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

- Understanding High Availail
- Integrating Multiple Features



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

SCHEDULE Germany		SCHEDULE Sweden	
Frankfurt	E 10.02.-13.02.09	Stockholm	E 14.04.-17.04.09
Berlin	24.03.-27.03.09	Stockholm	E 15.06.-18.06.09
Munich	E 14.04.-17.04.09	Stockholm	E 06.10.-09.10.09
Frankfurt	12.05.-15.05.09	Stockholm	E 01.12.-04.12.09
Hamburg	E 16.06.-19.06.09	SCHEDULE Switzerland	
Hamburg	28.07.-31.07.09	Zurich	E 17.02.-20.02.09
Munich	E 25.08.-28.08.09	Zurich	21.04.-24.04.09
Frankfurt	22.09.-25.09.09	Zurich	25.08.-28.08.09
Frankfurt	E 03.11.-06.11.09	E Training in English	
Berlin	17.11.-20.11.09	Further English dates on request	

Global Site Selector Operation & Configuration (GSSOC)

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

PREREQUISITES

- Basic understanding of the following topics: TCP/IP protocol, DNS background, Server load-balancing

- GSS Load Balancing Methods
- GSS Network Proximity
- GSS DDos Protection
- GSS / CNR Interaction

COURSE CONTENT

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

SCHEDULE Germany		Berlin	30.09.-02.10.09
Hamburg	04.03.-06.03.09	Hamburg	E 14.10.-16.10.09
Frankfurt	E 01.04.-03.04.09	Berlin	11.11.-13.11.09
Berlin	18.05.-20.05.09	Frankfurt	02.12.-04.12.09
Hamburg	E 17.06.-19.06.09	E Training in English	
Munich	08.07.-10.07.09	Further English dates on request	
Frankfurt	09.09.-11.09.09		

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

ID CI-ACEDES **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 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

Hamburg	24.02.-27.02.09
Berlin	E 17.03.-20.03.09
Frankfurt	06.04.-09.04.09
Hamburg	E 12.05.-15.05.09
Berlin	02.06.-05.06.09
Hamburg	04.08.-07.08.09
Frankfurt	E 15.09.-18.09.09
Munich	06.10.-09.10.09

Berlin	E 03.11.-06.11.09
Frankfurt	24.11.-27.11.09

SCHEDULE Switzerland

Zurich	10.03.-13.03.09
Zurich	E 23.06.-26.06.09
Zurich	06.10.-09.10.09

E Training in English
Further English dates on request

Implementing the Cisco ACE Appliance (ACEAP)

ID CI-ACEAP **Price** 2.490,00 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

- 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

Frankfurt	E 10.03.-13.03.09
Hamburg	28.04.-01.05.09
Berlin	E 23.06.-26.06.09
Frankfurt	E 18.08.-21.08.09
Munich	22.09.-25.09.09
Berlin	E 20.10.-23.10.09
Frankfurt	10.11.-13.11.09

Hamburg	08.12.-11.12.09
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SCHEDULE Switzerland

Zurich	E 17.02.-20.02.09
Zurich	14.04.-17.04.09
Zurich	22.09.-25.09.09

E Training in English
Further English dates on request

ACE XML Gateway Operations & Configuration (AXGOC)

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

- 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

Hamburg	12.02.-13.02.09
Berlin	E 02.04.-03.04.09
Berlin	07.05.-08.05.09
Frankfurt	18.06.-19.06.09
Munich	03.09.-04.09.09
Berlin	E 17.09.-18.09.09
Hamburg	29.10.-30.10.09

Frankfurt	26.11.-27.11.09
Frankfurt	E 10.12.-11.12.09

SCHEDULE Switzerland

Zurich	26.03.-27.03.09
Zurich	E 28.05.-29.05.09
Zurich	03.09.-04.09.09

E Training in English
Further English dates on request

CCIE Storage Networking Power Workshop (CCIESAN)

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

PREREQUISITES

- Understanding of storage concepts and components
- Two years of experience in storage environments

SCHEDULE Germany			
Hamburg	02.03.-13.03.09	Hamburg	23.11.-04.12.09
Hamburg	E 15.06.-26.06.09	E Training in English	
Hamburg	21.09.-02.10.09	Further English dates on request	

COURSE CONTENT

This Power Workshop contains the topics of the following courses in a comprehensive form:

- **Designing Cisco Storage Networking Solutions (DCSNS)**
- **Implementing Cisco Storage Networking Solutions (ICSNS)**
- **Implementing Cisco Advanced Storage Networking Solutions (IASNS)**

CCIE Storage Networking Power Lab (CCIESANPL)

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

PREREQUISITES

- **CCIE Storage Networking Power Workshop (CCIESAN)**

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	E 02.02.-06.02.09	Munich	28.09.-02.10.09
Stuttgart	23.02.-27.02.09	Duesseldorf	19.10.-23.10.09
Frankfurt	23.03.-27.03.09	Berlin	E 02.11.-06.11.09
Munich	E 04.05.-08.05.09	Stuttgart	16.11.-20.11.09
Berlin	15.06.-19.06.09	SCHEDULE Switzerland	
Hamburg	13.07.-17.07.09	Zurich	28.09.-02.10.09
Frankfurt	E 24.08.-28.08.09	E Training in English	
		Further English dates on request	

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

FICON Cascade

- Labs: Basic FICON Configuration; Optional FICON Features and Basic Troubleshooting; Configuring Channel Paths

COURSE CONTENT

- Mainframe Storage Technologies: IBM Mainframe Architecture; ESCON
- FICON: Concepts; Applications; The FC-SB-3 Protocol
- Implementing Cisco FICON Solutions: FICON Fabric Configuration; FICON Port Configuration; Troubleshooting;

SCHEDULE Germany			
Frankfurt	05.02.-06.02.09	Munich	09.07.-10.07.09
Munich	E 26.02.-27.02.09	Hamburg	13.08.-14.08.09
Hamburg	08.04.-09.04.09	Frankfurt	E 17.09.-18.09.09
Hamburg	E 30.04.-01.05.09	Berlin	15.10.-16.10.09
Munich	18.05.-19.05.09	Frankfurt	26.11.-27.11.09
Berlin	08.06.-09.06.09	E Training in English	
		Further English dates on request	

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



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

PREREQUISITES

- CCNA certification or equivalent knowledge
- **Implementing Cisco Storage Networking Solutions (ICSNS)** course

- Configuring the Ethernet Gateway
- Configuring the Fibre Channel Gateway
- Boot over InfiniBand

COURSE CONTENT

- Fundamentals of High Performance Computing
- Designing HPC Server Fabrics
- Implementing Server Fabrics with the Cisco SFS
- Building the Unified Compute Fabric

SCHEDULE Germany			
Munich	17.02.-20.02.09	Berlin	22.09.-25.09.09
Munich	E 17.03.-20.03.09	Munich	03.11.-06.11.09
Hamburg	14.04.-17.04.09	Berlin	E 24.11.-27.11.09
Berlin	02.06.-05.06.09	Hamburg	08.12.-11.12.09
Hamburg	E 23.06.-26.06.09	E Training in English	
Frankfurt	28.07.-31.07.09	Further English dates on request	

Implementing CiscoWorks LMS (CWLMS)

Fast Lane
Labs in
Germany!

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

PREREQUISITES

- Knowledge of basic Cisco IOS & Catalyst OS commands
- Basic knowledge of TCP/IP

COURSE CONTENT

- Describing Network Management Fundamentals; Introducing CiscoWorks; Jump-Starting CiscoWorks; Implementing Asset Management; Managing Network Connections; Managing Device Configurations; Managing Network Performance; Managing Faults in the Network; Performing System Administration



SCHEDULE Bulgaria

Sofia **E** 20.04.-24.04.09

SCHEDULE Germany

Hamburg **E** 23.02.-27.02.09

Hamburg 02.03.-06.03.09

Frankfurt 16.03.-20.03.09

Berlin **E** 23.03.-27.03.09

Stuttgart 30.03.-03.04.09

Hamburg 20.04.-24.04.09

Duesseldorf 04.05.-08.05.09

Hamburg **E** 11.05.-15.05.09

Frankfurt 25.05.-29.05.09

Berlin 22.06.-26.06.09

Frankfurt **E** 29.06.-03.07.09

Hamburg 06.07.-10.07.09

Munich 10.08.-14.08.09

Hamburg **E** 17.08.-21.08.09

Duesseldorf 24.08.-28.08.09

Hamburg 07.09.-11.09.09

Frankfurt 21.09.-25.09.09

Berlin 05.10.-09.10.09

Berlin **E** 12.10.-16.10.09

Stuttgart 19.10.-23.10.09

Munich 26.10.-30.10.09

Hamburg 09.11.-13.11.09

Hamburg **E** 23.11.-27.11.09

Berlin 30.11.-04.12.09

Hamburg 14.12.-18.12.09

SCHEDULE Italy

Milan 11.05.-15.05.09

Milan 26.10.-30.10.09

SCHEDULE Poland

Warsaw **E** 23.02.-27.02.09

SCHEDULE Slovenia

Ljubljana **E** 25.05.-29.05.09

SCHEDULE Spain

Madrid 30.03.-03.04.09

SCHEDULE Switzerland

Zurich 30.03.-03.04.09

Zurich 19.10.-23.10.09

SCHEDULE Turkey

Istanbul **E** 06.07.-10.07.09

E Training in English

Further English dates on request

Designing for Cisco Internetwork Solutions (DESGN)

CISCO NETWORK DESIGN TRAINING

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
- **Building Cisco Multilayer Switched Networks (BCMSN)**

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

SCHEDULE Germany

Berlin **E** 09.02.-13.02.09

Duesseldorf 23.02.-27.02.09

Munich 09.03.-13.03.09

Stuttgart 23.03.-27.03.09

Frankfurt 20.04.-24.04.09

Stuttgart **E** 20.04.-24.04.09

Berlin 11.05.-15.05.09

Hamburg 15.06.-19.06.09

Frankfurt 29.06.-03.07.09

Stuttgart 13.07.-17.07.09

Duesseldorf 03.08.-07.08.09

Munich **E** 03.08.-07.08.09

Berlin 10.08.-14.08.09

Hamburg 31.08.-04.09.09

Frankfurt 21.09.-25.09.09

Stuttgart 21.09.-25.09.09

Munich 12.10.-16.10.09

Berlin 02.11.-06.11.09

Hamburg 23.11.-27.11.09

SCHEDULE Italy

Milan 23.02.-27.02.09

Rome 18.05.-22.05.09

Milan 05.10.-09.10.09

Rome 23.11.-27.11.09

SCHEDULE Spain

Madrid 23.03.-27.03.09

Madrid 01.06.-05.06.09

SCHEDULE Switzerland

Zurich 23.03.-27.03.09

Zurich **E** 13.07.-17.07.09

Zurich 12.10.-16.10.09

E Training in English

Further English dates on request

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 Germany

Hamburg 09.02.-13.02.09

Berlin **E** 16.02.-20.02.09

Duesseldorf 02.03.-06.03.09

Hamburg 16.03.-20.03.09

Munich 30.03.-03.04.09

Frankfurt 04.05.-08.05.09

Stuttgart **E** 04.05.-08.05.09

Berlin 25.05.-29.05.09

Hamburg 22.06.-26.06.09

Frankfurt 06.07.-10.07.09

Stuttgart 20.07.-24.07.09

Duesseldorf 03.08.-07.08.09

Munich **E** 03.08.-07.08.09

Berlin 17.08.-21.08.09

Hamburg 07.09.-11.09.09

Stuttgart 05.10.-09.10.09

Frankfurt 05.10.-09.10.09

Munich 19.10.-23.10.09

Berlin 09.11.-13.11.09

Hamburg 30.11.-04.12.09

Frankfurt 14.12.-18.12.09

SCHEDULE Italy

Milan 23.03.-27.03.09

Milan 28.09.-02.10.09

SCHEDULE Spain

Madrid 13.04.-17.04.09

Madrid 15.06.-19.06.09

SCHEDULE Switzerland

Zurich 30.03.-03.04.09

Zurich **E** 20.07.-24.07.09

Zurich 19.10.-23.10.09

E Training in English

Further English dates on request

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 France	Stuttgart	15.06.-19.06.09	Berlin	28.09.-02.10.09	SCHEDULE Latvia
Valbonne	Munich	E 22.06.-26.06.09	Hamburg	05.10.-09.10.09	Riga
SCHEDULE Germany	Hamburg	22.06.-26.06.09	Stuttgart	12.10.-16.10.09	25.05.-29.05.09
Hamburg	Munich	29.06.-03.07.09	Duesseldorf	19.10.-23.10.09	SCHEDULE Serbia
Nuremberg	Frankfurt	06.07.-10.07.09	Frankfurt	19.10.-23.10.09	Belgrade
Hamburg	Duesseldorf	06.07.-10.07.09	Nuremberg	26.10.-30.10.09	E 15.06.-19.06.09
Munich	Berlin	13.07.-17.07.09	Berlin	E 26.10.-30.10.09	SCHEDULE Spain
Stuttgart	Hamburg	20.07.-24.07.09	Munich	26.10.-30.10.09	Madrid
Duesseldorf	Stuttgart	27.07.-31.07.09	Hamburg	02.11.-06.11.09	02.02.-06.02.09
Frankfurt	Muenster	03.08.-07.08.09	Berlin	09.11.-13.11.09	Madrid
Berlin	Frankfurt	E 10.08.-14.08.09	Cologne	16.11.-20.11.09	18.05.-22.05.09
Hamburg	Munich	10.08.-14.08.09	Frankfurt	23.11.-27.11.09	SCHEDULE Sweden
Frankfurt	Hamburg	17.08.-21.08.09	Munich	E 30.11.-04.12.09	Stockholm
Stuttgart	Hannover	17.08.-21.08.09	Duesseldorf	30.11.-04.12.09	23.03.-27.03.09
Munich	Berlin	24.08.-28.08.09	Munich	07.12.-11.12.09	Stockholm
Cologne	Munich	31.08.-04.09.09	Berlin	14.12.-18.12.09	01.06.-05.06.09
Frankfurt	Stuttgart	31.08.-04.09.09	SCHEDULE Italy		Stockholm
Berlin	Frankfurt	07.09.-11.09.09	Milan	09.03.-13.03.09	14.09.-18.09.09
Hamburg	Hamburg	14.09.-18.09.09	Rome	20.04.-24.04.09	Stockholm
Berlin	Hamburg	E 21.09.-25.09.09	Milan	08.06.-12.06.09	09.11.-13.11.09
Munich	Frankfurt	21.09.-25.09.09	Milan	05.10.-09.10.09	SCHEDULE Switzerland
Frankfurt	Duesseldorf	21.09.-25.09.09	Rome	16.11.-20.11.09	Zurich
					16.02.-20.02.09
					Zurich
					E 23.03.-27.03.09
					Zurich
					15.06.-19.06.09
					Zurich
					10.08.-14.08.09
					Zurich
					E 26.10.-30.10.09
					Zurich
					07.12.-11.12.09
					E Training in English
					Further English dates on request

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 Bulgaria	Frankfurt	15.06.-19.06.09	Rome	30.03.-03.04.09	Stockholm	04.05.-08.05.09
Sofia	Hamburg	06.07.-10.07.09	Milan	18.05.-22.05.09	Stockholm	29.06.-03.07.09
SCHEDULE France	Frankfurt	06.07.-10.07.09	Rome	05.10.-09.10.09	Stockholm	21.09.-25.09.09
Valbonne	Berlin	10.08.-14.08.09	Milan	09.11.-13.11.09	Stockholm	02.11.-06.11.09
SCHEDULE Germany	Munich	31.08.-04.09.09	SCHEDULE Poland		SCHEDULE Switzerland	
Berlin	Frankfurt	E 07.09.-11.09.09	Warsaw	E 09.03.-13.03.09	Zurich	02.03.-06.03.09
Hamburg	Frankfurt	14.09.-18.09.09	SCHEDULE Serbia		Zurich	E 20.04.-24.04.09
Duesseldorf	Stuttgart	28.09.-02.10.09	Belgrade	E 11.05.-15.05.09	Zurich	25.05.-29.05.09
Stuttgart	Berlin	19.10.-23.10.09	SCHEDULE Slovenia		Zurich	28.09.-02.10.09
Munich	Frankfurt	02.11.-06.11.09	Ljubljana	E 09.02.-13.02.09	Zurich	E 20.11.-06.11.09
Hamburg	Hamburg	16.11.-20.11.09	SCHEDULE Spain		SCHEDULE Turkey	
Duesseldorf	Hamburg	E 23.11.-27.11.09	Madrid	23.02.-27.02.09	Istanbul	E 30.03.-03.04.09
Munich	Duesseldorf	30.11.-04.12.09	Madrid	25.05.-29.05.09		
Berlin	Munich	07.12.-11.12.09	SCHEDULE Sweden		E Training in English	
Stuttgart	SCHEDULE Italy		Stockholm	02.03.-06.03.09	Further English dates on request	

Advanced OSPF Workshop (AOSPF)

ID CI-AOSPF Price 1.600,00 EUR (excl. VAT) Duration 3 Days

PREREQUISITES

- CCNP certification or equivalent experience

COURSE CONTENT

- OSPF Overview
- The OSPF Protocols
- OSPF Backbone & Area Concepts
- Designing scalable OSPF Networks
- OSPF over Non-Broadcast Multi-Access (NBMA) Networks
- OSPF Features



SCHEDULE Germany

Munich	18.02.-20.02.09
Duesseldorf	18.03.-20.03.09
Frankfurt	E 06.04.-08.04.09
Berlin	15.04.-17.04.09
Hamburg	28.04.-30.04.09
Stuttgart	18.05.-20.05.09
Frankfurt	08.06.-10.06.09
Munich	01.07.-03.07.09
Hamburg	05.08.-07.08.09
Frankfurt	02.09.-04.09.09
Frankfurt	E 09.09.-11.09.09

Berlin	30.09.-02.10.09
Frankfurt	14.10.-16.10.09
Munich	02.11.-04.11.09
Munich	E 11.11.-13.11.09
Berlin	02.12.-04.12.09

SCHEDULE Switzerland

Zurich	18.02.-20.02.09
Zurich	01.07.-03.07.09
Zurich	02.11.-04.11.09

E Training in English

Further English dates on request

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

- MPLS Concepts
- MPLS Label Assignment and Distribution
- Frame-Mode/Cell-Mode
- MPLS Implementation on Cisco IOS Platforms
- MPLS Virtual Private Networks Technology
- MPLS Virtual Private Networks Implementation
- MPLS Virtual Private Networks Advanced Features Cell-Mode Implementation on Cisco OS Platforms



SCHEDULE Bulgaria

Sofia **E** 22.06.-26.06.09

SCHEDULE France

Valbonne 09.02.-13.02.09

SCHEDULE Germany

Berlin 09.02.-13.02.09

Hamburg 23.02.-27.02.09

Hamburg **E** 09.03.-13.03.09

Stuttgart 16.03.-20.03.09

Hamburg 20.04.-24.04.09

Duesseldorf 11.05.-15.05.09

Berlin 25.05.-29.05.09

Frankfurt **E** 15.06.-19.06.09

Stuttgart 22.06.-26.06.09

Frankfurt 29.06.-03.07.09

Hamburg 27.07.-31.07.09

Berlin 17.08.-21.08.09

Munich 14.09.-18.09.09

Frankfurt 21.09.-25.09.09

Frankfurt **E** 05.10.-09.10.09

Stuttgart 12.10.-16.10.09

Berlin 26.10.-30.10.09

Frankfurt 09.11.-13.11.09

Hamburg 23.11.-27.11.09

Duesseldorf 07.12.-11.12.09

SCHEDULE Italy

Rome 16.03.-20.03.09

Milan 25.05.-29.05.09

Rome 05.10.-09.10.09

Milan 23.11.-27.11.09

SCHEDULE Poland

Warsaw **E** 16.03.-20.03.09

SCHEDULE Serbia

Belgrade **E** 18.05.-22.05.09

SCHEDULE Slovenia

Ljubljana **E** 16.02.-20.02.09

SCHEDULE Spain

Madrid 02.03.-06.03.09

Madrid 01.06.-05.06.09

Stockholm 23.11.-27.11.09

SCHEDULE Switzerland

Zurich 02.02.-06.02.09

Zurich 16.03.-20.03.09

Zurich **E** 11.05.-15.05.09

Zurich 14.09.-18.09.09

Zurich 23.11.-27.11.09

SCHEDULE Turkey

Istanbul **E** 06.04.-10.04.09

E Training in English

Further English dates on request

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** 29.06.-03.07.09

SCHEDULE Germany

Hamburg 02.03.-06.03.09

Hamburg **E** 23.03.-27.03.09

Stuttgart 30.03.-03.04.09

Munich 20.04.-24.04.09

Duesseldorf 25.05.-29.05.09

Frankfurt 06.07.-10.07.09

Duesseldorf **E** 13.07.-17.07.09

Duesseldorf 03.08.-07.08.09

Berlin 24.08.-28.08.09

Munich 07.09.-11.09.09

Munich 28.09.-02.10.09

Frankfurt **E** 26.10.-30.10.09

Berlin 02.11.-06.11.09

Frankfurt 30.11.-04.12.09

Hamburg 14.12.-18.12.09

SCHEDULE Poland

Warsaw **E** 23.03.-27.03.09

SCHEDULE Serbia

Belgrade **E** 25.05.-29.05.09

SCHEDULE Slovenia

Ljubljana **E** 23.02.-27.02.09

SCHEDULE Switzerland

Zurich 16.02.-20.02.09

Zurich **E** 25.05.-29.05.09

Zurich 07.09.-11.09.09

SCHEDULE Turkey

Istanbul **E** 13.04.-17.04.09

E Training in English

Further English dates on request

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 Germany		SCHEDULE Switzerland	
Berlin	02.02.-06.02.09	Hamburg	E 14.09.-18.09.09
Hamburg	02.03.-06.03.09	Hamburg	21.09.-25.09.09
Frankfurt	E 09.03.-13.03.09	Munich	19.10.-23.10.09
Munich	30.03.-03.04.09	Berlin	09.11.-13.11.09
Duesseldorf	20.04.-24.04.09	Frankfurt	30.11.-04.12.09
Frankfurt	20.04.-24.04.09	Frankfurt	E 07.12.-11.12.09
Hamburg	11.05.-15.05.09	Zurich	30.03.-03.04.09
Berlin	E 02.06.-06.06.09	Zurich	20.07.-24.07.09
Berlin	15.06.-19.06.09	Zurich	14.12.-18.12.09
Stuttgart	20.07.-24.07.09		
Munich	10.08.-14.08.09		
Frankfurt	31.08.-04.09.09		

E Training in English
Further English dates on request

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
- IPv6 Operation
- Advanced IPv6 Topics

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



SCHEDULE Germany		SCHEDULE Spain		SCHEDULE Switzerland	
Hamburg	09.02.-13.02.09	Berlin	19.10.-23.10.09	Zurich	30.03.-03.04.09
Frankfurt	09.03.-13.03.09	Berlin	E 26.10.-30.10.09	Zurich	30.03.-03.04.09
Munich	E 23.03.-27.03.09	Stuttgart	09.11.-13.11.09	Zurich	20.07.-24.07.09
Munich	30.03.-03.04.09	Munich	30.11.-04.12.09	Zurich	09.11.-13.11.09
Duesseldorf	20.04.-24.04.09	Hamburg	14.12.-18.12.09		
Berlin	25.05.-29.05.09				
Frankfurt	22.06.-26.06.09				
Munich	20.07.-24.07.09				
Hamburg	E 03.08.-07.08.09				
Duesseldorf	10.08.-14.08.09				
Hamburg	07.09.-11.09.09				
Frankfurt	28.09.-02.10.09				

E Training in English
Further English dates on request

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		SCHEDULE Switzerland	
Hamburg	02.03.-13.03.09	Hamburg	E 09.11.-20.11.09
Munich	29.06.-10.07.09	Berlin	23.11.-04.12.09
Hamburg	E 27.07.-07.08.09		
Frankfurt	07.09.-18.09.09		

E Training in English
Further English dates on request

Securing Your Email with 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

- IronPort Overview
- Installation & Configuration
- Defining Sender & Recipient Groups
- Anti-Spam
- Anti-Virus & Virus Outbreak Filters
- Policy Enforcement
- Quarantines & Delivery Methods
- Content Filters
- Email Encryption
- Troubleshooting
- System Administration
- LDAP (Lightweight Directory Access Protocol)
- Message Filters (Advanced Policy)
- Email Authentication



SCHEDULE Bulgaria	Hamburg	E 09.12.-11.12.09
Sofia	Hamburg	21.12.-23.12.09
SCHEDULE Germany	SCHEDULE Poland	
Hamburg	Warsaw	E 09.02.-11.02.09
Berlin	SCHEDULE Serbia	
Munich	Belgrade	E 02.03.-04.03.09
Hamburg	SCHEDULE Sweden	
Frankfurt	Stockholm	E 08.07.-10.07.09
Hamburg	Stockholm	E 07.10.-09.10.09
Berlin	Stockholm	E 02.12.-04.12.09
Frankfurt	SCHEDULE Switzerland	
Munich	Zurich	09.02.-11.02.09
Munich	Zurich	E 22.06.-24.06.09
Hamburg	Zurich	26.10.-28.10.09
Stuttgart	Zurich	14.12.-16.12.09
Berlin	SCHEDULE Turkey	
Berlin	Istanbul	E 11.05.-13.05.09
Duesseldorf	E Training in English	
Frankfurt	Further English dates on request	

Securing Your Web with 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 IronPort S-Series Overview, or equivalent knowledge

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	SCHEDULE Serbia
Sofia	Belgrade
SCHEDULE Germany	SCHEDULE Sweden
Frankfurt	Stockholm
Hamburg	Stockholm
Berlin	Stockholm
Berlin	Stockholm
Frankfurt	SCHEDULE Switzerland
Munich	Zurich
Munich	Zurich
Berlin	Zurich
Hamburg	Zurich
Hamburg	Zurich
Frankfurt	SCHEDULE Turkey
SCHEDULE Poland	Istanbul
Warsaw	E Training in English
	Further English dates on request

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 Bulgaria		Hamburg	04.05.-08.05.09	Berlin	12.10.-16.10.09	Belgrade	E 09.03.-13.03.09
Sofia	E 02.02.-06.02.09	Hamburg	E 11.05.-15.05.09	Munich	02.11.-06.11.09	Belgrade	E 11.05.-15.05.09
Sofia	E 20.04.-24.04.09	Munich	25.05.-29.05.09	Frankfurt	E 09.11.-13.11.09	SCHEDULE Slovenia	
SCHEDULE France		Berlin	15.06.-19.06.09	SCHEDULE Italy		Ljubljana	E 06.04.-10.04.09
Valbonne	11.05.-15.05.09	Frankfurt	06.07.-10.07.09	Milan	02.03.-06.03.09	SCHEDULE Switzerland	
Valbonne	15.06.-19.06.09	Munich	E 20.07.-24.07.09	Rome	23.03.-27.03.09	Zurich	20.04.-24.04.09
SCHEDULE Germany		Munich	27.07.-31.07.09	Milan	11.05.-15.05.09	Zurich	E 28.09.-02.10.09
Berlin	23.02.-27.02.09	Duesseldorf	17.08.-21.08.09	Rome	15.06.-19.06.09	SCHEDULE Turkey	
Frankfurt	E 02.03.-06.03.09	Hamburg	31.08.-04.09.09	SCHEDULE Poland		Istanbul	E 16.02.-20.02.09
Munich	09.03.-13.03.09	Frankfurt	14.09.-18.09.09	Warsaw	E 16.03.-20.03.09	Istanbul	E 22.06.-26.06.09
Frankfurt	23.03.-27.03.09	Berlin	E 21.09.-25.09.09	Warsaw	E 25.05.-29.05.09	E Training in English	
Stuttgart	20.04.-24.04.09	Stuttgart	28.09.-02.10.09	SCHEDULE Serbia		Further English dates on request	

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 Bulgaria		Hamburg	E 25.05.-29.05.09	Stuttgart	28.09.-02.10.09	Belgrade	E 08.06.-12.06.09
Sofia	E 02.02.-06.02.09	Hamburg	08.06.-12.06.09	Hamburg	12.10.-16.10.09	SCHEDULE Slovenia	
SCHEDULE Germany		Frankfurt	15.06.-19.06.09	Berlin	E 19.10.-23.10.09	Ljubljana	E 02.03.-06.03.09
Munich	23.02.-27.02.09	Berlin	29.06.-03.07.09	Frankfurt	26.10.-30.10.09	SCHEDULE Switzerland	
Berlin	09.03.-13.03.09	Munich	20.07.-24.07.09	Berlin	02.11.-06.11.09	Zurich	25.05.-29.05.09
Frankfurt	E 23.03.-27.03.09	Munich	E 10.08.-14.08.09	Munich	16.11.-20.11.09	Zurich	E 03.08.-07.08.09
Hamburg	30.03.-03.04.09	Muenster	17.08.-21.08.09	Frankfurt	E 30.11.-04.12.09	SCHEDULE Turkey	
Frankfurt	20.04.-24.04.09	Hamburg	24.08.-28.08.09	SCHEDULE Poland		Istanbul	E 04.05.-08.05.09
Munich	04.05.-08.05.09	Munich	31.08.-04.09.09	Warsaw	E 30.03.-03.04.09	E Training in English	
Berlin	11.05.-15.05.09	Berlin	14.09.-18.09.09	SCHEDULE Serbia		Further English dates on request	

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 Germany		Berlin	19.10.-22.10.09
Hamburg	E 16.02.-19.02.09	Frankfurt	02.11.-05.11.09
Frankfurt	23.02.-26.02.09	Munich	E 09.11.-12.11.09
Berlin	23.03.-26.03.09	SCHEDULE Italy	
Stuttgart	20.04.-23.04.09	Milan	14.04.-17.04.09
Berlin	E 11.05.-14.05.09	Milan	09.11.-12.11.09
Frankfurt	11.05.-14.05.09	SCHEDULE Spain	
Munich	15.06.-18.06.09	Madrid	13.04.-17.04.09
Frankfurt	06.07.-09.07.09	SCHEDULE Switzerland	
Berlin	03.08.-06.08.09	Zurich	20.04.-23.04.09
Duesseldorf	17.08.-20.08.09	Zurich	28.09.-01.10.09
Hamburg	07.09.-10.09.09	Zurich	16.11.-19.11.09
Frankfurt	E 14.09.-17.09.09	E Training in English	
Stuttgart	28.09.-01.10.09	Further English dates on request	

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 Bulgaria	Hamburg	25.05.-29.05.09	Munich	19.10.-23.10.09	SCHEDULE Serbia
Sofia E	Munich	E 15.06.-19.06.09	Stuttgart	26.10.-30.10.09	Belgrade E
SCHEDULE France	Berlin	15.06.-19.06.09	Munich	02.11.-06.11.09	SCHEDULE Slovenia
Valbonne	Frankfurt	22.06.-26.06.09	Berlin	02.11.-06.11.09	Ljubljana E
SCHEDULE Germany	Hamburg	29.06.-03.07.09	Hamburg	09.11.-13.11.09	SCHEDULE Spain
Berlin	Munich	06.07.-10.07.09	Frankfurt	16.11.-20.11.09	Madrid
Hamburg E	Frankfurt	13.07.-17.07.09	Munich	23.11.-27.11.09	SCHEDULE Sweden
Frankfurt	Stuttgart	27.07.-31.07.09	Hamburg E	30.11.-04.12.09	Stockholm
Hamburg	Muenster	10.08.-14.08.09	Stuttgart	07.12.-11.12.09	Stockholm
Stuttgart	Frankfurt E	17.08.-21.08.09	Frankfurt	14.12.-18.12.09	Stockholm
Frankfurt	Frankfurt	24.08.-28.08.09	SCHEDULE Italy		SCHEDULE Switzerland
Munich	Hamburg	31.08.-04.09.09	Milan	16.03.-20.03.09	Zurich
Berlin	Berlin	07.09.-11.09.09	Rome	18.05.-22.05.09	Zurich
Cologne	Munich	14.09.-18.09.09	Milan	08.06.-12.06.09	Zurich
Hamburg	Stuttgart	21.09.-25.09.09	Milan	12.10.-16.10.09	Zurich
Munich	Muenster	28.09.-02.10.09	Rome	02.11.-06.11.09	SCHEDULE Turkey
Frankfurt E	Hamburg	05.10.-09.10.09	Milan	23.11.-27.11.09	Istanbul E
Berlin	Berlin E	05.10.-09.10.09	SCHEDULE Poland		
Muenster	Cologne	12.10.-16.10.09	Warsaw E	06.04.-10.04.09	
Munich	Berlin	12.10.-16.10.09			

E Training in English
Further English dates on request

Securing Networks with ASA Advanced (SNAA)

ID CI-SNAA 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 Bulgaria	Hamburg	08.06.-12.06.09	Berlin	19.10.-23.10.09	SCHEDULE Serbia
Sofia E	Berlin	22.06.-26.06.09	Munich	26.10.-30.10.09	Belgrade E
SCHEDULE Germany	Frankfurt	29.06.-03.07.09	Stuttgart	02.11.-06.11.09	SCHEDULE Slovenia
Munich	Hamburg	06.07.-10.07.09	Berlin E	09.11.-13.11.09	Ljubljana E
Berlin	Hamburg E	13.07.-17.07.09	Muenster	09.11.-13.11.09	SCHEDULE Spain
Frankfurt	Munich	13.07.-17.07.09	Hamburg	16.11.-20.11.09	Madrid
Hamburg	Frankfurt	20.07.-24.07.09	Frankfurt	23.11.-27.11.09	SCHEDULE Sweden
Stuttgart	Stuttgart	03.08.-07.08.09	Berlin E	23.11.-27.11.09	Stockholm
Frankfurt	Muenster	17.08.-21.08.09	Munich	30.11.-04.12.09	Stockholm
Munich	Frankfurt	31.08.-04.09.09	Hamburg	07.12.-11.12.09	Stockholm
Cologne	Hamburg	07.09.-11.09.09	Stuttgart	14.12.-18.12.09	SCHEDULE Switzerland
Berlin	Berlin	14.09.-18.09.09	SCHEDULE Italy		Zurich
Munich E	Frankfurt E	14.09.-18.09.09	Milan	30.03.-03.04.09	Zurich
Hamburg	Nuremberg	21.09.-25.09.09	Rome	22.06.-26.06.09	Zurich
Munich	Munich	21.09.-25.09.09	Milan	13.07.-17.07.09	Zurich
Berlin	Stuttgart	28.09.-02.10.09	Rome	16.11.-20.11.09	SCHEDULE Turkey
Muenster	Muenster	05.10.-09.10.09	Milan	14.12.-18.12.09	Istanbul E
Munich	Hamburg	12.10.-16.10.09	SCHEDULE Poland		
Berlin E	Cologne	19.10.-23.10.09	Warsaw E	13.04.-17.04.09	

E Training in English
Further English dates on request

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 (SNAA)

SCHEDULE Germany

Frankfurt	16.02.-20.02.09
Berlin	E 20.04.-24.04.09
Munich	06.07.-10.07.09
Frankfurt	14.09.-18.09.09

Hamburg	E 02.11.-06.11.09
Berlin	14.12.-18.12.09

E Training in English
Further English dates on request

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 comprises the following courses:

- Securing Networks with Cisco Routers & Switches (SNRS)
- Securing Networks with ASA Fundamentals (SNAF)
- Implementing Cisco Intrusion Prevention System (IPS)

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

SCHEDULE Germany

Frankfurt	02.03.-20.03.09
Hamburg	27.04.-15.05.09
Munich	15.06.-03.07.09
Hamburg	E 27.07.-14.08.09
Berlin	24.08.-11.09.09

Hamburg	05.10.-23.10.09
Frankfurt	30.11.-18.12.09

SCHEDULE Switzerland
Zurich 15.06.-03.07.09

E Training in English
Further English dates on request

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

Hamburg	16.02.-27.02.09
Frankfurt	04.05.-15.05.09
Berlin	E 22.06.-03.07.09
Munich	07.09.-18.09.09

Berlin	E 26.10.-06.11.09
Hamburg	30.11.-11.12.09

E Training in English
Further English dates on request

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

COURSE CONTENT

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

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

SCHEDULE Germany

Munich	05.02.-06.02.09
Frankfurt	05.03.-06.03.09
Berlin	16.04.-17.04.09
Frankfurt	18.05.-19.05.09
Hamburg	E 08.06.-09.06.09
Berlin	09.07.-10.07.09
Hamburg	17.09.-18.09.09
Duesseldorf	01.10.-02.10.09

Munich	29.10.-30.10.09
Berlin	E 12.11.-13.11.09
Berlin	10.12.-11.12.09

SCHEDULE Switzerland
Zurich 06.08.-07.08.09
Zurich **E** 29.10.-30.10.09

E Training in English
Further English dates on request

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 Bulgaria

Sofia E 16.03.-18.03.09

SCHEDULE Germany

Berlin 23.02.-25.02.09

Stuttgart 02.03.-04.03.09

Frankfurt 16.03.-18.03.09

Frankfurt E 25.03.-27.03.09

Munich 19.05.-21.05.09

Stuttgart 27.05.-29.05.09

Duesseldorf 09.06.-11.06.09

Stuttgart 17.06.-19.06.09

Munich 01.07.-03.07.09

Munich E 15.07.-17.07.09

Berlin 22.07.-24.07.09

Frankfurt 02.09.-04.09.09

Munich 23.09.-25.09.09

Hamburg 07.10.-09.10.09

Hamburg E 21.10.-23.10.09

SCHEDULE Italy

Milan 03.06.-05.06.09

Milan 09.12.-11.12.09

SCHEDULE Poland

Warsaw E 18.05.-20.05.09

SCHEDULE Spain

Madrid 11.05.-13.05.09

SCHEDULE Sweden

Stockholm 06.04.-08.04.09

Stockholm 15.06.-17.06.09

SCHEDULE Switzerland

Zurich 02.03.-04.03.09

Zurich 27.05.-29.05.09

Zurich E 17.06.-19.06.09

SCHEDULE Turkey

Istanbul E 02.02.-04.02.09

E Training in English

Further English dates on request

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

Fast Lane Labs in Germany!

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 Cisco 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 Germany

Berlin 24.02.-27.02.09

Stuttgart 03.03.-06.03.09

Frankfurt 17.03.-20.03.09

Hamburg 06.04.-09.04.09

Berlin E 14.04.-17.04.09

Frankfurt 27.04.-30.04.09

Stuttgart 02.06.-05.06.09

Stuttgart 23.06.-26.06.09

Munich 07.07.-10.07.09

Berlin 28.07.-31.07.09

Berlin E 03.08.-06.08.09

Frankfurt 08.09.-11.09.09

Munich 29.09.-02.10.09

Hamburg 13.10.-16.10.09

Berlin 27.10.-30.10.09

Hamburg E 10.11.-13.11.09

Hamburg 17.11.-20.11.09

Frankfurt 01.12.-04.12.09

Duesseldorf 15.12.-18.12.09

SCHEDULE Sweden

Stockholm 14.04.-17.04.09

Stockholm 15.06.-18.06.09

Stockholm 31.08.-03.09.09

Stockholm 01.12.-04.12.09

SCHEDULE Switzerland

Zurich E 09.06.-12.06.09

Zurich 03.11.-06.11.09

E Training in English

Further English dates on request



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 Germany

Hamburg 03.02.-05.02.09

Berlin 10.03.-12.03.09

Frankfurt E 23.03.-25.03.09

Duesseldorf 24.03.-26.03.09

Hamburg 07.04.-09.04.09

Stuttgart 08.06.-10.06.09

Frankfurt 08.06.-10.06.09

Duesseldorf 30.06.-02.07.09

Munich E 13.07.-15.07.09

Hamburg 28.07.-30.07.09

Berlin 01.09.-03.09.09

Duesseldorf 29.09.-01.10.09

Hamburg E 19.10.-21.10.09

Berlin 17.11.-19.11.09

SCHEDULE Switzerland

Zurich 21.04.-23.04.09

Zurich E 27.10.-29.10.09

Zurich 01.12.-03.12.09

E Training in English

Further English dates on request

Advanced IPsec (AIPSEC)

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

PREREQUISITES

- **Interconnecting Cisco Network Devices 1 (ICND1), Interconnecting Cisco Network Devices 2 (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

Hamburg	16.02.-20.02.09
Frankfurt	E 02.03.-06.03.09
Berlin	09.03.-13.03.09
Duesseldorf	30.03.-03.04.09
Munich	04.05.-08.05.09
Hamburg	25.05.-29.05.09
Frankfurt	15.06.-19.06.09
Berlin	E 29.06.-03.07.09
Berlin	06.07.-10.07.09
Munich	03.08.-07.08.09
Frankfurt	31.08.-04.09.09

Hamburg	21.09.-25.09.09
Hamburg	E 05.10.-09.10.09
Berlin	12.10.-16.10.09
Duesseldorf	09.11.-13.11.09
Frankfurt	14.12.-18.12.09
SCHEDULE Switzerland	
Zurich	02.02.-06.02.09
Zurich	E 04.05.-08.05.09
Zurich	24.08.-28.08.09
Zurich	30.11.-04.12.09
E Training in English	
Further English dates on request	

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

Hamburg	09.02.-13.02.09
Munich	E 09.03.-13.03.09
Duesseldorf	30.03.-03.04.09
Berlin	20.04.-24.04.09
Frankfurt	04.05.-08.05.09
Hamburg	25.05.-29.05.09
Frankfurt	E 15.06.-19.06.09
Stuttgart	06.07.-10.07.09
Duesseldorf	03.08.-07.08.09
Hamburg	E 31.08.-04.09.09

Berlin	12.10.-16.10.09
Munich	02.11.-06.11.09
Frankfurt	23.11.-27.11.09
Hamburg	14.12.-18.12.09
SCHEDULE Switzerland	
Zurich	09.03.-13.03.09
Zurich	06.07.-10.07.09
Zurich	E 07.09.-11.09.09
Zurich	02.11.-06.11.09
E Training in English	
Further English dates on request	

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 Germany

Hamburg	02.02.-04.02.09
Frankfurt	11.03.-13.03.09
Berlin	15.04.-17.04.09
Berlin	E 27.04.-29.04.09
Hamburg	18.05.-20.05.09
Munich	08.06.-10.06.09
Duesseldorf	22.07.-24.07.09
Stuttgart	24.08.-26.08.09
Frankfurt	26.08.-28.08.09
Frankfurt	E 02.09.-04.09.09
Berlin	30.09.-02.10.09

Frankfurt	28.10.-30.10.09
Hamburg	23.11.-25.11.09
Hamburg	E 21.12.-23.12.09
SCHEDULE Sweden	
Stockholm	27.04.-29.04.09
Stockholm	16.09.-18.09.09
Stockholm	09.12.-11.12.09
SCHEDULE Switzerland	
Zurich	03.06.-05.06.09
Zurich	07.10.-09.10.09
E Training in English	
Further English dates on request	



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 Bulgaria	Hamburg	E 11.05.-13.05.09	Berlin	E 09.11.-13.11.09	Ljubljana	E 13.04.-17.04.09
Sofia	Munich	25.05.-29.05.09	SCHEDULE Italy		SCHEDULE Spain	
Sofia	Berlin	15.06.-19.06.09	Rome	23.02.-27.02.09	Madrid	30.03.-03.04.09
SCHEDULE France	Frankfurt	06.07.-10.07.09	Milan	30.03.-03.04.09	Madrid	15.06.-19.06.09
Valbonne	Frankfurt	E 13.07.-17.07.09	Rome	04.05.-08.05.09	SCHEDULE Switzerland	
Valbonne	Munich	27.07.-31.07.09	Milan	15.06.-19.06.09	Zurich	20.04.-24.04.09
SCHEDULE Germany	Duesseldorf	17.08.-21.08.09	SCHEDULE Poland		Zurich	28.09.-02.10.09
Munich	Hamburg	31.08.-04.09.09	Warsaw	E 04.05.-08.05.09	SCHEDULE Turkey	
Berlin	Frankfurt	14.09.-18.09.09	SCHEDULE Serbia		Istanbul	E 23.03.-27.03.09
Frankfurt	Munich	E 21.09.-25.09.09	Belgrade	E 09.03.-13.03.09	Istanbul	E 15.06.-19.06.09
Stuttgart	Berlin	12.10.-16.10.09	Belgrade	E 06.07.-10.07.09	E Training in English	
Hamburg	Munich	02.11.-06.11.09	SCHEDULE Slovenia		Further English dates on request	

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 Germany	Frankfurt	09.03.-13.03.09	SCHEDULE Italy	Milan	22.06.-26.06.09
	Berlin	20.04.-24.04.09		Milan	16.11.-20.11.09
	Frankfurt	E 04.05.-08.05.09	SCHEDULE Spain		
	Hamburg	15.06.-19.06.09	Madrid	01.06.-05.06.09	
	Munich	20.07.-24.07.09	SCHEDULE Switzerland		
	Frankfurt	31.08.-04.09.09	Zurich	23.02.-27.02.09	
	Hamburg	E 12.10.-16.10.09	Zurich	28.09.-02.10.09	
	Berlin	26.10.-30.10.09	E Training in English		
	Hamburg	23.11.-27.11.09	Further English dates on request		

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 Unified Communications Manager (CIPT1, CIPT2)

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

SCHEDULE Germany	Munich	10.08.-28.08.09
Hamburg	Frankfurt	E 31.08.-18.09.09
Berlin	Frankfurt	21.09.-09.10.09
Munich	Berlin	26.10.-13.11.09
Hamburg	E Training in English	
Munich	Further English dates on request	

CCIE Preparation Lab Voice (CCIEVOICE)

ID FL-CCIEVOICE **Price** 7.990,00 EUR (excl. VAT) **Duration** 10 Days

COURSE CONTENT

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

SCHEDULE Germany	Berlin	21.09.-02.10.09
Berlin	Munich	E 23.11.-04.12.09
Hamburg	E Training in English	
Frankfurt	Further English dates on request	

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 Bulgaria	Munich	25.05.-29.05.09	Stuttgart	23.11.-27.11.09	Ljubljana	E 06.04.-10.04.09		
Sofia	E 16.03.-20.03.09	Hamburg	15.06.-19.06.09	Hamburg	E 30.11.-04.12.09	SCHEDULE Spain		
SCHEDULE France	Frankfurt	29.06.-03.07.09	Hamburg	07.12.-11.12.09	Madrid	16.02.-20.02.09		
Valbonne	02.02.-06.02.09	Berlin	06.07.-10.07.09	Frankfurt	14.12.-18.12.09	Madrid	20.04.-24.04.09	
Valbonne	16.03.-20.03.09	Munich	20.07.-24.07.09	SCHEDULE Italy	Madrid	29.06.-03.07.09		
SCHEDULE Germany	Duesseldorf	27.07.-31.07.09	Milan	02.02.-06.02.09	SCHEDULE Sweden	Stockholm	30.03.-03.04.09	
Hamburg	02.02.-06.02.09	Stuttgart	10.08.-14.08.09	Rome	09.03.-13.03.09	Stockholm	22.06.-26.06.09	
Duesseldorf	09.02.-13.02.09	Munich	E 17.08.-21.08.09	Milan	04.05.-08.05.09	Stockholm	05.10.-09.10.09	
Munich	16.02.-20.02.09	Hamburg	24.08.-28.08.09	Rome	22.06.-26.06.09	SCHEDULE Switzerland	Zurich	16.03.-20.03.09
Frankfurt	23.02.-27.02.09	Munich	07.09.-11.09.09	Milan	06.07.-10.07.09	Zurich	10.08.-14.08.09	
Berlin	09.03.-13.03.09	Stuttgart	14.09.-18.09.09	Milan	21.09.-25.09.09	Zurich	E 14.09.-18.09.09	
Stuttgart	16.03.-20.03.09	Berlin	21.09.-25.09.09	Rome	26.10.-30.10.09	Zurich	23.11.-27.11.09	
Frankfurt	E 16.03.-20.03.09	Frankfurt	28.09.-02.10.09	Milan	30.11.-04.12.09	SCHEDULE Turkey	Istanbul	E 02.02.-06.02.09
Hamburg	30.03.-03.04.09	Hamburg	12.10.-16.10.09	SCHEDULE Poland	Warsaw	E 11.05.-15.05.09	E Training in English	
Frankfurt	20.04.-24.04.09	Frankfurt	E 19.10.-23.10.09	SCHEDULE Serbia	Belgrade	E 23.02.-27.02.09	Further English dates on request	
Berlin	04.05.-08.05.09	Munich	26.10.-30.10.09	SCHEDULE Slovenia				
Duesseldorf	11.05.-15.05.09	Duesseldorf	02.11.-06.11.09					
Berlin	E 11.05.-15.05.09	Berlin	16.11.-20.11.09					

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 Bulgaria	Munich	11.05.-15.05.09	Berlin	26.10.-30.10.09	Belgrade	E 02.03.-06.03.09	
Sofia	E 23.03.-27.03.09	Stuttgart	25.05.-29.05.09	Frankfurt	02.11.-06.11.09	SCHEDULE Slovenia	
SCHEDULE France	Duesseldorf	15.06.-19.06.09	Hamburg	09.11.-13.11.09	Ljubljana	E 13.04.-17.04.09	
Valbonne	23.03.-27.03.09	Berlin	22.06.-26.06.09	Berlin	E 23.11.-27.11.09	SCHEDULE Spain	
Valbonne	25.05.-29.05.09	Munich	E 29.06.-03.07.09	Munich	23.11.-27.11.09	Madrid	23.03.-27.03.09
SCHEDULE Germany	Hamburg	06.07.-10.07.09	Hamburg	30.11.-04.12.09	Berlin	25.05.-29.05.09	
Hamburg	09.02.-13.02.09	Frankfurt	13.07.-17.07.09	Frankfurt	07.12.-11.12.09	SCHEDULE Sweden	
Munich	16.02.-20.02.09	Munich	27.07.-31.07.09	Hamburg	14.12.-18.12.09	Stockholm	16.03.-20.03.09
Berlin	23.02.-27.02.09	Duesseldorf	30.08.-07.08.09	SCHEDULE Italy	Stockholm	11.05.-15.05.09	
Frankfurt	02.03.-06.03.09	Frankfurt	17.08.-21.08.09	Milan	16.02.-20.02.09	Stockholm	12.10.-16.10.09
Munich	E 02.03.-06.03.09	Stuttgart	31.08.-04.09.09	Rome	23.03.-27.03.09	SCHEDULE Switzerland	
Hamburg	09.03.-13.03.09	Frankfurt	E 14.09.-18.09.09	Milan	25.05.-29.05.09	Zurich	25.05.-29.05.09
Duesseldorf	16.03.-20.03.09	Berlin	14.09.-18.09.09	Rome	06.07.-10.07.09	Zurich	E 31.08.-04.09.09
Berlin	23.03.-27.03.09	Hamburg	21.09.-25.09.09	Milan	28.09.-02.10.09	Zurich	19.10.-23.10.09
Frankfurt	30.03.-03.04.09	Duesseldorf	28.09.-02.10.09	Rome	02.11.-06.11.09	SCHEDULE Turkey	
Hamburg	20.04.-24.04.09	Munich	05.10.-09.10.09	SCHEDULE Poland	Warsaw	E 09.02.-13.02.09	
Berlin	04.05.-08.05.09	Frankfurt	12.10.-16.10.09	SCHEDULE Serbia	Belgrade	E 18.05.-22.05.09	
Hamburg	E 04.05.-08.05.09	Stuttgart	19.10.-23.10.09			Further English dates on request	

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 and Applications for Multisite Deployments
- Securing IP Telephony

SCHEDULE France	Hamburg	04.05.-08.05.09	Berlin	21.09.-25.09.09	Rome	06.04.-10.04.09
Valbonne	Hamburg	E 11.05.-15.05.09	Frankfurt	E 21.09.-25.09.09	Milan	15.06.-19.06.09
Valbonne	Berlin	11.05.-15.05.09	Hamburg	28.09.-02.10.09	Milan	12.10.-16.10.09
Valbonne	Munich	25.05.-29.05.09	Duesseldorf	05.10.-09.10.09	Rome	09.11.-13.11.09
SCHEDULE Germany	Stuttgart	15.06.-19.06.09	Munich	12.10.-16.10.09	Milan	30.11.-04.12.09
Berlin	Duesseldorf	22.06.-26.06.09	Frankfurt	19.10.-23.10.09	SCHEDULE Sweden	
Hamburg	Berlin	29.06.-03.07.09	Stuttgart	26.10.-30.10.09	Stockholm	09.02.-13.02.09
Munich	Munich	E 06.07.-10.07.09	Berlin	02.11.-06.11.09	Stockholm	25.05.-29.05.09
Munich	Hamburg	13.07.-17.07.09	Frankfurt	09.11.-13.11.09	SCHEDULE Switzerland	
Berlin	Frankfurt	20.07.-24.07.09	Hamburg	16.11.-20.11.09	Zurich	15.06.-19.06.09
Hamburg	Munich	03.08.-07.08.09	Duesseldorf	23.11.-27.11.09	Zurich	E 07.09.-11.09.09
Duesseldorf	Duesseldorf	10.08.-14.08.09	Berlin	E 30.11.-04.12.09	Zurich	26.10.-30.10.09
Berlin	Frankfurt	24.08.-28.08.09	SCHEDULE Italy			E Training in English
Frankfurt	Stuttgart	07.09.-11.09.09	Milan	02.03.-06.03.09		Further English dates on request

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	Frankfurt	05.10.-14.10.09	
Munich	E 16.02.-25.02.09	Munich	09.11.-18.11.09
Frankfurt	30.03.-08.04.09	Berlin	E 07.12.-16.12.09
Hamburg	E 20.04.-29.04.09	SCHEDULE Switzerland	
Munich	11.05.-20.05.09	Zurich	09.03.-18.03.09
Berlin	22.06.-01.07.09	Zurich	30.11.-09.12.09
Hamburg	24.08.-02.09.09	E Training in English	
Frankfurt	E 14.09.-23.09.09	Further English dates on request	

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 Bulgaria	Duesseldorf	11.05.-15.05.09	SCHEDULE Italy	Milan	29.06.-03.07.09	SCHEDULE Sweden	Stockholm	09.03.-13.03.09
Sofia	Berlin	15.06.-19.06.09	Milan	14.12.-18.12.09	Stockholm	01.06.-05.06.09	SCHEDULE Switzerland	
SCHEDULE France	Frankfurt	E 29.06.-03.07.09	SCHEDULE Poland	Warsaw	E 15.06.-19.06.09	Zurich	23.03.-27.03.09	
Valbonne	Duesseldorf	13.07.-17.07.09	SCHEDULE Serbia	Belgrade	E 01.06.-05.06.09	Zurich	17.08.-21.08.09	
Valbonne	Munich	03.08.-07.08.09	SCHEDULE Slovenia	Ljubljana	E 11.05.-15.05.09	Zurich	E 12.10.-16.10.09	
SCHEDULE Germany	Hamburg	31.08.-04.09.09	SCHEDULE Turkey	Istanbul	E 02.03.-06.03.09	E Training in English		
Berlin	Munich	14.09.-18.09.09	Further English dates on request					
Munich	Frankfurt	28.09.-02.10.09						
Stuttgart	Stuttgart	12.10.-16.10.09						
Frankfurt	Berlin	E 26.10.-30.10.09						
Hamburg	Munich	16.11.-20.11.09						



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 Germany

Berlin 25.02.-27.02.09
Hamburg **E** 06.04.-08.04.09
Hamburg 27.04.-29.04.09
Berlin 08.06.-10.06.09

Frankfurt 02.09.-04.09.09
Munich **E** 23.09.-25.09.09
Berlin 07.10.-09.10.09
E Training in English
Further English dates on request

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 Germany

Berlin 02.02.-06.02.09
Hamburg **E** 23.03.-27.03.09
Munich 20.04.-24.04.09
Frankfurt 11.05.-15.05.09
Hamburg 15.06.-19.06.09
Berlin 13.07.-17.07.09

Munich **E** 24.08.-28.08.09
Frankfurt 05.10.-09.10.09
Hamburg 09.11.-13.11.09
SCHEDULE Switzerland
Zurich 21.09.-25.09.09
E Training in English
Further English dates on request

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 Germany

Hamburg **E** 02.02.-06.02.09
Frankfurt 04.05.-08.05.09
Berlin **E** 25.05.-29.05.09
Hamburg 22.06.-26.06.09

Berlin 17.08.-21.08.09
Munich 28.09.-02.10.09
Hamburg **E** 26.10.-30.10.09
E Training in English
Further English dates on request

Cisco IP Contact Center Power Workshop (IPCCPW)

ID FL-IPCCPW **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

Hamburg **E** 02.02.-13.02.09
Frankfurt 16.02.-27.02.09
Munich 16.03.-27.03.09
Berlin **E** 18.05.-29.05.09
Hamburg 15.06.-26.06.09

Frankfurt **E** 03.08.-14.08.09
Berlin 05.10.-16.10.09
Munich 23.11.-04.12.09
Munich **E** 07.12.-18.12.09
E Training in English
Further English dates on request



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

- Large-Scale, Voicemail-Only Systems
- Cisco Unity Deployment Models
- Voicemail Interoperability

COURSE CONTENT

- Design a Unity Solution
- Infrastructure Components Affecting Unity Design

SCHEDULE Germany			
Hamburg	E 10.03.-13.03.09	Frankfurt	13.10.-16.10.09
Hamburg	21.04.-24.04.09	Hamburg	03.11.-06.11.09
Berlin	E 12.05.-15.05.09	Munich	E 17.11.-20.11.09
Munich	30.06.-03.07.09	Berlin	01.12.-04.12.09
Berlin	08.09.-11.09.09	E Training in English	
		Further English dates on request	

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

- Securing VoIP Internetworking
- Securing Unified Communication Applications

COURSE CONTENT

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

SCHEDULE Bulgaria			
Sofia	E 06.07.-10.07.09	Frankfurt	14.09.-18.09.09
		Berlin	E 28.09.-02.10.09
SCHEDULE Germany		Hamburg	19.10.-23.10.09
Frankfurt	23.02.-27.02.09	SCHEDULE Slovenia	
Hamburg	23.03.-27.03.09	Ljubljana	E 18.05.-22.05.09
Berlin	04.05.-08.05.09	SCHEDULE Turkey	
Duesseldorf	22.06.-26.06.09	Istanbul	E 09.03.-13.03.09
Hamburg	E 06.07.-10.07.09	E Training in English	
Munich	27.07.-31.07.09	Further English dates on request	

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

Configuring UCCX ACD; Creating Scripts for Contact Centers; Using CDA; Supervisor Remote Monitoring; Using ASR and TTS; Outbound Preview Dialing; Reporting; Troubleshooting

COURSE CONTENT

- CRS Product Overview; CRS Design and Ordering; Installation & Configuration; Script Editor; Creating Scripts and Applications;

SCHEDULE Germany			
Berlin	09.03.-13.03.09	Hamburg	31.08.-04.09.09
Munich	30.03.-03.04.09	Frankfurt	28.09.-02.10.09
Hamburg	04.05.-08.05.09	Berlin	19.10.-23.10.09
Munich	E 25.05.-29.05.09	Frankfurt	E 02.11.-06.11.09
Frankfurt	15.06.-19.06.09	E Training in English	
Berlin	E 03.08.-07.08.09	Further English dates on request	

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

Advanced Database Configuration; Agent Desktop Configuration

COURSE CONTENT

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

SCHEDULE Germany			
Berlin	E 03.02.-06.02.09	Frankfurt	18.08.-21.08.09
Hamburg	24.02.-27.02.09	Berlin	E 15.09.-18.09.09
Munich	14.04.-17.04.09	Munich	13.10.-16.10.09
Hamburg	02.06.-05.06.09	Frankfurt	E 10.11.-13.11.09
Munich	E 30.06.-03.07.09	E Training in English	
		Further English dates on request	

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 Germany

Frankfurt	E 09.02.-11.02.09
Duesseldorf	09.03.-11.03.09
Hamburg	06.04.-08.04.09
Berlin	E 18.05.-20.05.09
Munich	29.06.-01.07.09
Hamburg	E 31.08.-02.09.09

Berlin	05.10.-07.10.09
Frankfurt	E 09.11.-11.11.09
Hamburg	07.12.-09.12.09
SCHEDULE Switzerland	
Zurich	29.06.-01.07.09
E Training in English	
Further English dates on request	

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 Germany

Frankfurt	E 02.02.-06.02.09
Duesseldorf	02.03.-06.03.09
Hamburg	30.03.-03.04.09
Berlin	E 11.05.-15.05.09
Munich	22.06.-26.06.09
Hamburg	E 24.08.-28.08.09

Berlin	28.09.-02.10.09
Frankfurt	E 02.11.-06.11.09
Hamburg	30.11.-04.12.09
SCHEDULE Switzerland	
Zurich	22.06.-26.06.09
E Training in English	
Further English dates on request	

TelePresence Installation & Configuration Training (TPICT)

Fast Lane
Lab in
Germany!

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 16.02.-20.02.09	Frankfurt	E 07.09.-11.09.09
Frankfurt	E 30.03.-03.04.09	Frankfurt	E 05.10.-10.10.09
Frankfurt	E 11.05.-15.05.09	Frankfurt	E 02.11.-06.11.09
Frankfurt	E 29.06.-03.07.09	Frankfurt	E 07.12.-11.12.09
		E Training in English	

Digital Media Systems (DMS)

Fast Lane
Lab in
Germany!

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

PREREQUISITES

- CCNA certification or equivalent knowledge

COURSE CONTENT

- System Overview
- DME 1000 & 2000 Encoder configuration
- Digital Media Player
- Digital Media Manager-Digital Signage Module Configuration
- Video Portal initial Installation
- DMM Video Portal Module configuration
- DMS 5.0
- Enterprise TV
- SNMP Management
- DMS Authentication Options
- DMP Local Storage setup and config

- ACNS and DMS integration
- Digital Media and the WAN
- ACNS – a Digital Media Delivery Solution



SCHEDULE Germany

Frankfurt	E 09.02.-10.02.09	London	E 09.03.-10.03.09
Frankfurt	E 20.04.-21.04.09	London	E 11.05.-12.05.09
Frankfurt	E 22.06.-23.06.09	London	E 27.07.-28.07.09
Frankfurt	E 17.08.-18.08.09	London	E 14.09.-15.09.09
Frankfurt	E 19.10.-20.10.09	London	E 30.11.-01.12.09
Frankfurt	E 07.12.-08.12.09	E Training in English	

SCHEDULE UK

IP Video Surveillance (IPVS)

Fast Lane
Lab in
Germany!

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

PREREQUISITES

- CCNA certification or equivalent knowledge

COURSE CONTENT

- Introduction to Cisco IP Surveillance
- System Overview
- Video Manager and Storage System (VMSS)
- Video Surveillance Manager Overview (VSM)



- Video Surveillance Operation Manager (VSOM)
- Video Surveillance for the ISR
- Cisco TAC Support

SCHEDULE Germany

Frankfurt	E 11.02.-13.02.09	London	E 11.03.-13.03.09
Frankfurt	E 22.04.-24.04.09	London	E 06.05.-08.05.09
Frankfurt	E 24.06.-26.06.09	London	E 22.07.-24.07.09
Frankfurt	E 19.08.-21.08.09	London	E 09.09.-11.09.09
Frankfurt	E 21.10.-23.10.09	London	E 02.12.-04.12.09
Frankfurt	E 09.11.-11.11.09	E Training in English	

SCHEDULE UK

Cisco PGW2200 Basic (PGWB)



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

PREREQUISITES

- Telephony fundamentals
- UNIX basics
- Cisco IOS essentials

COURSE CONTENT

- Introduction to the SS7 networks
- Overview and position of PGW2200 in SS7 networks
- VoIP Packet Transit Overview
- Introduction to VSPT
- Setting up the XECfgParm.dat file
- Provisioning the PGW2200 for SS7 Signaling
- Provisioning External Nodes - SLT
- Provisioning External Nodes - Media Gateways
- Provisioning FAS (Facility Associated Signalling) and NFAS (Non Facility Associated Signalling)

- Provisioning Trunks and Routes
- Provisioning Dial Plans
- Provisioning the H.323 Signaling Interface (HSI)
- Session Initiation Protocol (SIP)
- Provisioning for Data Termination
- Using built-in tools for monitoring, billing and troubleshooting

SCHEDULE Bulgaria	Berlin	07.12.-11.12.09
Sofia E 15.06.-19.06.09	SCHEDULE Poland	
SCHEDULE Germany	Warsaw E 24.08.-28.08.09	
Frankfurt 23.02.-27.02.09	SCHEDULE Slovenia	
Hamburg E 20.04.-24.04.09	Ljubljana E 16.02.-20.02.09	
Berlin 15.06.-19.06.09	Ljubljana E 13.04.-17.04.09	
Munich E 10.08.-14.08.09		
Hamburg 28.09.-02.10.09	E Training in English	
Frankfurt E 02.11.-06.11.09	Further English dates on request	

Cisco PGW2200 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 Tools
- Protocols (SS7, ISDN, MGCP, H.323, SIP, EISUP, BSM,...) related Troubleshooting
- Elements (MGC, HSI, ITP-L, MG...) related Troubleshooting
- Interconnection testing
- Cisco MGC Node Manager
- Provisioning BAMS

- Advanced SIP provisioning
- Advanced H.323 features
- Announcements and PGW
- Provisioning DPNSS

SCHEDULE Bulgaria	Frankfurt E 09.11.-13.11.09	
Sofia E 27.07.-31.07.09	Berlin 14.12.-18.12.09	
SCHEDULE Germany	SCHEDULE Slovenia	
Frankfurt 02.03.-06.03.09	Ljubljana E 02.03.-06.03.09	
Hamburg E 04.05.-08.05.09	Ljubljana E 25.05.-29.05.09	
Berlin 22.06.-26.06.09		
Munich E 17.08.-21.08.09	E Training in English	
Hamburg 05.10.-09.10.09	Further English dates on request	

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 signalling, 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

SCHEDULE Germany	Berlin E 25.08.-28.08.09	
Frankfurt E 03.02.-06.02.09	Munich 22.09.-25.09.09	
Berlin 10.03.-13.03.09	Frankfurt 24.11.-27.11.09	
Munich E 05.05.-08.05.09	E Training in English	
Hamburg 16.06.-19.06.09	Further English dates on request	

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 Bulgaria

Sofia E 02.02.-06.02.09
Sofia E 04.05.-08.05.09

SCHEDULE Germany

Duesseldorf E 16.02.-20.02.09
Hamburg 02.03.-06.03.09
Berlin 20.04.-24.04.09
Frankfurt 11.05.-15.05.09
Hamburg E 08.06.-12.06.09
Berlin 06.07.-10.07.09
Munich 20.07.-24.07.09
Frankfurt 17.08.-21.08.09
Hamburg 07.09.-11.09.09
Munich 12.10.-16.10.09
Berlin E 02.11.-06.11.09

SCHEDULE Poland

Warsaw E 13.04.-17.04.09

SCHEDULE Serbia

Belgrade E 16.02.-20.02.09
Belgrade E 25.05.-29.05.09

SCHEDULE Slovenia

Ljubljana E 23.03.-27.03.09
Ljubljana E 06.07.-10.07.09

SCHEDULE Sweden

Stockholm 16.03.-20.03.09
Stockholm 08.06.-12.06.09

SCHEDULE Switzerland

Zurich 23.03.-27.03.09
Zurich 21.09.-25.09.09

SCHEDULE Turkey

Istanbul E 09.03.-13.03.09
Istanbul E 15.06.-19.06.09
E Training in English
Further English dates on request

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 20.04.-23.04.09

SCHEDULE Germany

Stuttgart E 23.02.-26.02.09
Hamburg 09.03.-12.03.09
Duesseldorf 16.03.-19.03.09
Frankfurt 30.03.-02.04.09
Berlin 20.04.-23.04.09
Munich 04.05.-07.05.09
Hamburg 11.05.-14.05.09
Frankfurt 25.05.-28.05.09
Berlin E 08.06.-11.06.09
Hamburg 29.06.-02.07.09
Munich 27.07.-30.07.09
Berlin 10.08.-13.08.09
Frankfurt 24.08.-27.08.09
Duesseldorf 31.08.-03.09.09
Hamburg 14.09.-17.09.09
Stuttgart 21.09.-24.09.09
Munich E 05.10.-08.10.09
Berlin 19.10.-22.10.09
Frankfurt 26.10.-29.10.09

Hamburg 09.11.-12.11.09
Munich 23.11.-26.11.09
Berlin 07.12.-10.12.09
Frankfurt E 14.12.-17.12.09

SCHEDULE Italy

Milan 23.03.-26.03.09
Milan 18.05.-21.05.09

SCHEDULE Poland

Warsaw E 22.06.-25.06.09

SCHEDULE Spain

Madrid 11.05.-14.05.09

SCHEDULE Sweden

Stockholm 02.02.-05.02.09
Stockholm 14.04.-17.04.09

SCHEDULE Switzerland

Zurich 23.02.-26.02.09
Zurich 04.05.-07.05.09
Zurich E 21.09.-24.09.09

SCHEDULE Turkey

Istanbul E 09.03.-12.03.09
E Training in English
Further English dates on request

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 Cisco 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 11.05.-14.05.09

SCHEDULE Germany

Frankfurt E 09.02.-12.02.09
Berlin 02.03.-05.03.09
Hamburg 23.03.-26.03.09
Munich 11.05.-14.05.09
Hamburg 15.06.-18.06.09
Duesseldorf 22.06.-25.06.09
Frankfurt 06.07.-09.07.09
Berlin E 17.08.-20.08.09
Munich 07.09.-10.09.09
Hamburg 28.09.-01.10.09
Frankfurt 12.10.-15.10.09
Stuttgart 26.10.-29.10.09

Berlin 02.11.-05.11.09
Hamburg E 16.11.-19.11.09
Frankfurt 30.11.-03.12.09

SCHEDULE Italy

Milan 20.04.-23.04.09
Milan 15.06.-18.06.09

SCHEDULE Poland

Warsaw E 29.06.-02.07.09

SCHEDULE Switzerland

Zurich 20.07.-23.07.09
Zurich E 07.09.-10.09.09

SCHEDULE Turkey

Istanbul E 16.03.-19.03.09
E Training in English
Further English dates on request

Cisco Wireless LAN Power Workshop (CWLPW)

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

PREREQUISITES

- Knowledge of fundamental networking components and terminology
- Knowledge of the Open Systems Interconnection (OSI) reference model
- Knowledge of basic LAN components and functions
- **Interconnecting Cisco Network Devices 1 (ICND1)** course

COURSE CONTENT

The Wireless LAN Power Workshop comprises the following courses:

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

SCHEDULE Germany

Munich	E 16.03.-20.03.09
Berlin	04.05.-08.05.09
Frankfurt	10.08.-14.08.09
Berlin	31.08.-04.09.09
Munich	E 05.10.-09.10.09

Frankfurt	02.11.-06.11.09
Hamburg	07.12.-11.12.09

SCHEDULE Switzerland

Zurich	05.10.-09.10.09
E Training in English	
Further English dates on request	

Cisco Wireless Networking Site Survey (CWNSS)

ID CI-CWNSS **Price** 2.490,00 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

- Describing WLAN Radio Technologies
- Describing WLAN Technology Features
- Defining Antenna Concepts
- Designing WLANs for Different Applications
- Determining the Deployment Requirements for a Site Survey
- Using Site Survey Utilities
- Using the Planning Mode Tool in WCS
- Describing Cognio Spectrum Expert

- Using Spectrum Expert Site Analysis to Identify RF Interferers
- Installing and Registering AirMagnet Survey Pro
- Surveying with AirMagnet Survey Pro
- Gathering the RF Recommendations for a VoWLAN Site Survey
- Completing the VoWLAN Site Survey
- Supporting a Site Survey for Location Tracking
- Using Cisco WCS Calibration Tool

SCHEDULE Germany

Munich	E 24.02.-27.02.09
Hamburg	24.03.-27.03.09
Frankfurt	27.04.-30.04.09
Munich	02.06.-05.06.09
Hamburg	14.07.-17.07.09
Frankfurt	E 28.07.-31.07.09

Munich	18.08.-21.08.09
Berlin	15.09.-18.09.09
Hamburg	20.10.-23.10.09
Frankfurt	24.11.-27.11.09
Munich	E 14.12.-17.12.09
E Training in English	
Further English dates on request	

Aironet Wireless LAN Fundamentals & Site Survey (AWFSS)

ID CI-AWFSS **Price** 2.290,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

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

- Security
- WLAN Management Solutions
- Site Survey Preparation and Techniques
- Manual Site Survey Tools and Utilities

COURSE CONTENT

- Wireless LAN (WLAN) Radio Technologies
- Antenna Concepts
- Wireless LAN Topologies
- Cisco Aironet WLAN Products
- Wireless Bridges
- Aironet Desktop Utility
- Core Access Point and Bridge Basic Configuration



SCHEDULE Germany

Frankfurt	23.02.-27.02.09
Hamburg	E 16.03.-20.03.09
Duesseldorf	20.04.-24.04.09
Berlin	25.05.-29.05.09
Stuttgart	22.06.-26.06.09
Duesseldorf	17.08.-21.08.09
Munich	E 14.09.-18.09.09
Hamburg	28.09.-02.10.09
Berlin	26.10.-30.10.09

Hamburg	23.11.-27.11.09
Frankfurt	E 07.12.-11.12.09

SCHEDULE Spain

Madrid	29.06.-02.07.09
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SCHEDULE Switzerland

Zurich	22.06.-26.06.09
Zurich	14.09.-18.09.09
Zurich	E 09.11.-13.11.09
E Training in English	
Further English dates on request	

Aironet Wireless LAN Advanced Topics (AWLAT)

ID CI-AWLAT **Price** 2.690,00 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
- Knowledge of basic WLAN components and functions

COURSE CONTENT

- Cisco Aironet WLAN Core Feature Set
- Managing the Cisco Aironet Autonomous WLAN
- Cisco WLAN Security



SCHEDULE Germany

Munich **E** 24.02.-27.02.09
 Frankfurt 10.03.-13.03.09
 Hamburg 27.04.-30.04.09
 Berlin **E** 12.05.-15.05.09
 Duesseldorf 02.06.-05.06.09
 Duesseldorf 28.07.-31.07.09
 Munich 18.08.-21.08.09

Berlin 15.09.-18.09.09
 Hamburg **E** 29.09.-02.10.09
 Frankfurt 20.10.-23.10.09

SCHEDULE Switzerland

Zurich 30.06.-03.07.09
 Zurich 10.11.-13.11.09

E Training in English

Further English dates on request

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 Security
- WLAN Maintenance and Troubleshooting
- Cisco Wireless Control System
- Cisco Location Tracking

SCHEDULE Germany

Hamburg 03.02.-06.02.09
 Munich **E** 17.02.-20.02.09
 Berlin 10.03.-13.03.09
 Munich 24.03.-27.03.09
 Hamburg 06.04.-09.04.09
 Frankfurt 27.04.-30.04.09
 Stuttgart 12.05.-15.05.09
 Berlin **E** 02.06.-05.06.09
 Hamburg 30.06.-03.07.09
 Muenster 14.07.-17.07.09
 Munich 28.07.-31.07.09
 Berlin 25.08.-28.08.09
 Frankfurt 08.09.-11.09.09
 Hamburg 22.09.-25.09.09
 Frankfurt 29.09.-02.10.09
 Munich 13.10.-16.10.09
 Hamburg **E** 27.10.-30.10.09

Hamburg 10.11.-13.11.09
 Munich 17.11.-20.11.09
 Hamburg 24.11.-27.11.09
 Berlin 08.12.-11.12.09

SCHEDULE Italy

Milan 29.06.-02.07.09
 Milan 16.11.-19.11.09

SCHEDULE Sweden

Stockholm 24.02.-27.02.09
 Stockholm 05.05.-08.05.09
 Stockholm 07.09.-10.09.09
 Stockholm 16.11.-19.11.09

SCHEDULE Switzerland

Zurich 12.05.-15.05.09
 Zurich **E** 28.07.-31.07.09
 Zurich 13.10.-16.10.09

E Training in English

Further English dates on request

Wireless LAN Solution Engine (WLSE)

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

PREREQUISITES

- Aironet Wireless LAN Fundamentals & Site Survey course

COURSE CONTENT

- Appliance setup and config
- Managed device setup
- Discovery and Inventory Polling and Grouping
- Wireless device config
- Advanced config options
- Fault and security policy monitoring
- Reports
- User Management
- Administration
- Radio Management Features
- Advanced Troubleshooting Tools



SCHEDULE Germany

Frankfurt **E** 19.02.-20.02.09
 Hamburg 26.03.-27.03.09
 Munich 28.05.-29.05.09
 Berlin **E** 09.07.-10.07.09
 Frankfurt 30.07.-31.07.09
 Hamburg 03.08.-04.08.09

Frankfurt 15.10.-16.10.09
 Berlin **E** 05.11.-06.11.09
 Berlin 19.11.-20.11.09
 Munich 17.12.-18.12.09

E Training in English

Further English dates on request

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 Germany

Hamburg	E 04.02.-06.02.09
Munich	18.02.-20.02.09
Frankfurt	11.03.-13.03.09
Berlin	06.04.-08.04.09
Hamburg	27.04.-29.04.09
Munich	E 06.05.-08.05.09
Munich	18.05.-20.05.09
Frankfurt	03.06.-05.06.09
Hamburg	08.06.-10.06.09
Berlin	01.07.-03.07.09
Frankfurt	22.07.-24.07.09
Munich	26.08.-28.08.09
Munich	E 09.09.-11.09.09
Berlin	16.09.-18.09.09

Frankfurt	14.10.-16.10.09
Berlin	04.11.-06.11.09
Hamburg	18.11.-20.11.09
Frankfurt	16.12.-18.12.09

SCHEDULE Sweden

Stockholm	06.04.-08.04.09
Stockholm	15.06.-17.06.09
Stockholm	14.09.-16.09.09
Stockholm	23.11.-25.11.09

SCHEDULE Switzerland

Zurich	25.03.-27.03.09
Zurich	E 29.07.-31.07.09
Zurich	02.12.-04.12.09

E Training in English
Further English dates on request

Cisco RF Design (CRFD)

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

PREREQUISITES

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

COURSE CONTENT

- Principles of Wireless Mesh Networks
- Basic RF for Wi-Fi Mesh Design
- Wi-Fi Mesh Network Design
- Propagation Modeling of Mesh Networks
- The Business Case and Case Study



SCHEDULE Germany

Berlin	E 02.11.-04.11.09
Frankfurt	E 16.02.-18.02.09
Frankfurt	25.02.-27.02.09
Hamburg	23.03.-25.03.09
Munich	18.05.-20.05.09
Berlin	E 06.07.-08.07.09
Frankfurt	27.07.-29.07.09
Hamburg	31.08.-02.09.09
Frankfurt	12.10.-14.10.09

Berlin	E 02.11.-04.11.09
Berlin	16.11.-18.11.09
Munich	14.12.-16.12.09

SCHEDULE Switzerland

Zurich	25.02.-27.02.09
Zurich	E 22.07.-24.07.09
Zurich	16.11.-18.11.09

E Training in English
Further English dates on request

Cisco Wireless Mesh & RF Design Power Workshop (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 02.02.-06.02.09
Frankfurt	09.03.-13.03.09
Munich	E 04.05.-08.05.09
Munich	11.05.-15.05.09
Hamburg	29.06.-03.07.09
Berlin	14.09.-18.09.09

Frankfurt	E 12.10.-16.10.09
Hamburg	16.11.-20.11.09

SCHEDULE Switzerland

Zurich	21.09.-25.09.09
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E Training in English
Further English dates on request

Cisco Unified Wireless Location-Based Services (CWLBS)

ID CI-CWLBS **Price** 1.250,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- Cisco Unified Wireless Networking (CUWN) and/or Cisco Wireless LAN Fundamentals (CWLF) and Cisco Wireless LAN Advanced Topics (CWLAT) courses

COURSE CONTENT

- Location overview
- Location appliance features, specs & architecture
- Integrating location appliance with WCS
- Deploying a location capable infrastructure
- Advanced configuration and location readiness



SCHEDULE Germany

Munich	12.02.-13.02.09	Munich	13.08.-14.08.09
Hamburg	E 19.03.-20.03.09	Duesseldorf	E 21.09.-22.09.09
Berlin	29.04.-30.04.09	Frankfurt	29.10.-30.10.09
Frankfurt	04.06.-05.06.09	Berlin	10.12.-11.12.09
Hamburg	01.07.-02.07.09	E Training in English	
		Further English dates on request	

Mobile IP Technology (MIPT)

ID CI-MIPT **Price** 1.950,00 EUR (excl. VAT) **Duration** 2 Days

PREREQUISITES

- CCDA or CCNA certification or equivalent experience

COURSE CONTENT

- Introduction to Mobile IP
- Mobile IP Overview
- Mobile IP Protocol and Design
- Configuring Mobile IP
- Mobile Networks
- Mobile IP Security
- Troubleshooting Mobile IP
- Mobile IP and IPv6



SCHEDULE Germany

Munich	E 10.02.-11.02.09	Munich	11.08.-12.08.09
Hamburg	17.03.-18.03.09	Duesseldorf	E 22.09.-23.09.09
Berlin	27.04.-28.04.09	Frankfurt	27.10.-28.10.09
Frankfurt	02.06.-03.06.09	Berlin	08.12.-09.12.09
Hamburg	30.06.-01.07.09	E Training in English	
		Further English dates on request	

Voice over WLAN (VOWLAN)

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

PREREQUISITES

- Knowledge of fundamental networking components and terminology
- Knowledge of the Open Systems Interconnection (OSI) reference model
- Knowledge of basic LAN components and functions
- Knowledge of Voice components and functions
- Knowledge of Wireless components and functions

COURSE CONTENT

- VoWLAN Products
- Site Survey

- WLAN Infrastructure
- VoWLAN Configuration
- Network Management and Troubleshooting
- Unified Security

SCHEDULE Germany

Munich	26.02.-27.02.09	Frankfurt	26.11.-27.11.09
Hamburg	E 26.03.-27.03.09	SCHEDULE Sweden	
Hamburg	16.04.-17.04.09	Stockholm	19.02.-20.02.09
Hamburg	18.05.-19.05.09	Stockholm	14.05.-15.05.09
Hamburg	25.06.-26.06.09	Stockholm	17.09.-18.09.09
Berlin	06.08.-07.08.09	Stockholm	26.11.-27.11.09
Munich	E 24.09.-25.09.09	E Training in English	
Berlin	29.10.-30.10.09	Further English dates on request	

Content Services Switch Operation & Configuration (CSSOC)

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

PREREQUISITES

- Basic understanding of TCP/IP, HTTP, IP Routing, DNS and network design/configuration

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 Germany

Hamburg	E 23.02.-27.02.09
Munich	09.03.-13.03.09
Duesseldorf	30.03.-03.04.09
Frankfurt	E 20.04.-24.04.09
Frankfurt	11.05.-15.05.09
Hamburg	25.05.-29.05.09
Frankfurt	22.06.-26.06.09
Berlin	13.07.-17.07.09
Berlin	E 27.07.-31.07.09
Munich	31.08.-04.09.09

Frankfurt	28.09.-02.10.09
Hamburg	19.10.-23.10.09
Munich	E 02.11.-06.11.09

SCHEDULE Italy

Milan	02.03.-06.03.09
Milan	02.11.-06.11.09

SCHEDULE Switzerland

Zurich	16.02.-20.02.09
Zurich	17.08.-21.08.09

E Training in English
Further English dates on request

Application & Content Networking System Operation & Configuration (ACNS)

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

PREREQUISITES

- Basic understanding of TCP/IP, HTTP, and IP routing
- Basic understanding of Content Networking fundamentals

COURSE CONTENT

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

SCHEDULE Germany

Berlin	E 14.10.-16.10.09
Berlin	04.02.-06.02.09
Hamburg	E 15.04.-17.04.09
Munich	08.06.-10.06.09
Frankfurt	02.11.-04.11.09
	E Training in English
	Further English dates on request

Introduction to Cisco Cable Routers (ICCR)

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

PREREQUISITES

- CCNA certification or equivalent experience

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

Frankfurt	E 02.03.-06.03.09
Hamburg	03.08.-07.08.09
Hamburg	E 10.08.-14.08.09

Frankfurt	26.10.-30.10.09
Frankfurt	E 02.11.-06.11.09

E Training in English
Further English dates on request

Advanced Cisco Cable Routers (ACCR)

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

PREREQUISITES

- Introduction to Cisco Cable Routers (ICCR) and Building Scalable Cisco Internetworks (BSCI) courses

COURSE CONTENT

- In-depth DOCSIS
- Advanced PHY Characteristics
- Design Considerations
- Traffic Engineering
- Security Considerations
- Adjustment Parameters
- Evolving Cable Technologies

SCHEDULE Germany

Frankfurt	09.03.-13.03.09
Frankfurt	E 16.03.-20.03.09
Hamburg	17.08.-21.08.09
Hamburg	E 24.08.-28.08.09
Frankfurt	09.11.-13.11.09
Frankfurt	E 16.11.-20.11.09
	E Training in English
	Further English dates on request

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 and Basic Terminology; SONET/SDH Framing; SONET/SDH Topologies and Protection; Synchronization and Timing

SCHEDULE Germany

Munich	E 18.02.-20.02.09
Berlin	18.03.-20.03.09
Frankfurt	06.05.-08.05.09
Munich	08.06.-10.06.09
Frankfurt	E 05.08.-07.08.09
Hamburg	23.09.-25.09.09

Hamburg	E 14.10.-16.10.09
Berlin	28.10.-30.10.09
Munich	25.11.-27.11.09
Frankfurt	16.12.-18.12.09

E Training in English
Further English dates on request

Cisco Transport Manager Operation & Maintenance (OCTMO)

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

COURSE CONTENT

- CTM Product Overview; Introduction to CTM; GUI; Adding NEs and Creating Groups; Security Management; Fault Management; Performance Monitoring; Configuration Management; Northbound Interfaces; Administration Tasks; Troubleshooting

SCHEDULE Italy

Monza	E 02.02.-03.02.09
Monza	E 06.04.-07.04.09
Monza	E 08.06.-09.06.09

SCHEDULE Germany

Hamburg	E 05.02.-06.02.09
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Berlin	E 02.03.-03.03.09
Frankfurt	E 18.06.-19.06.09
Munich	E 17.08.-18.08.09
Hamburg	E 17.09.-18.09.09

E Training in English
Further English dates on request

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 02.02.-04.02.09
Berlin	E 30.03.-01.04.09
Frankfurt	E 15.06.-17.06.09
Munich	E 17.08.-19.08.09

Hamburg	E 14.09.-16.09.09
Berlin	E 02.11.-04.11.09
Frankfurt	E 07.12.-09.12.09

E Training in English
Further English dates on request

Advanced Services: Cisco ONS 15454 Multiservice Transport Platform (MSTP) 8.5 Basic (MSTPBASIC)

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

COURSE CONTENT

- System Overview; Optics & DWDM Technology Overview; Hardware & Topology Overview; Topologies & Network Planning; MetroPlanner & Point-to-Point Network Design Concepts; Provisioning; Alarms & monitoring; Troubleshooting; Building a Ring

Configuration & Implementing Protection Schemes

SCHEDULE Italy

Monza	E 27.04.-30.04.09
Monza	E 06.06.-09.06.09

E Training in English
Further English dates on request



Advanced Services: Cisco ONS 15454 MSTP 8.5 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; Review of Data; Cisco Transport Controller Operations; Cisco ONS 15454 MSTP Data Card Overview; G.709 Encapsulation; 2.5G Transponders & Encapsulation Options; GFP G.7041; 2.5-Gb & 10-Gb Data Multiplexer Enhanced Cards & Encapsulation Options; Ethernet & VLANs; 10GE-XP & GE-XP Cards, Settings & Circuits Layer 1;

Crossponder Gigabit Ethernet Y-Cable Protection; QoS; XP Cards Protected Ring, CoS & QoS; ADM-10G Installation & Settings; ADM-10G Circuits for Data

SCHEDULE Italy

Monza	E 30.03.-02.04.09
Monza	E 29.06.-02.07.09

E Training in English
Further English dates on request

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

SCHEDULE Germany

Hamburg	E 11.02.-13.02.09	Berlin	16.09.-18.09.09
Berlin	18.02.-20.02.09	Hamburg	E 23.09.-25.09.09
Munich	11.03.-13.03.09	Munich	07.10.-09.10.09
Duesseldorf	25.03.-27.03.09	Duesseldorf	28.10.-30.10.09
Hamburg	06.04.-08.04.09	Hamburg	18.11.-20.11.09
Frankfurt	E 15.04.-17.04.09	Frankfurt	E 25.11.-27.11.09
Frankfurt	27.04.-29.04.09	Frankfurt	09.12.-11.12.09
Berlin	18.05.-20.05.09	SCHEDULE Switzerland	
Munich	08.06.-10.06.09	Zurich	09.02.-11.02.09
Berlin	E 17.06.-19.06.09	Zurich	18.05.-20.05.09
Stuttgart	01.07.-03.07.09	Zurich	28.09.-30.09.09
Hamburg	29.07.-31.07.09	Zurich	14.12.-16.12.09
Frankfurt	26.08.-28.08.09	E Training in English	
		Further English dates on request	



Cisco Sales Expert – Unified Communications (CSEUC)

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

COURSE CONTENT

- Traditional telephony and Cisco IP Communications
- Cisco Unified Communications Solutions
- Selling Points
- IP Communications Migration

SCHEDULE Germany

Hamburg	E 26.02.-27.02.09	Berlin	E 14.09.-15.09.09
Munich	19.03.-20.03.09	Hamburg	05.10.-06.10.09
Frankfurt	18.05.-19.05.09	Frankfurt	21.12.-22.12.09
Frankfurt	E 08.06.-09.06.09	E Training in English	
Berlin	03.08.-04.08.09	Further English dates on request	

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

Hamburg	E 09.02.-10.02.09	Munich	05.10.-06.10.09
Berlin	16.02.-17.02.09	Duesseldorf	26.10.-27.10.09
Duesseldorf	23.03.-24.03.09	Frankfurt	E 23.11.-24.11.09
Frankfurt	27.04.-28.04.09	Frankfurt	07.12.-08.12.09
Frankfurt	E 04.05.-05.05.09	SCHEDULE Switzerland	
Munich	04.06.-05.06.09	Zurich	09.03.-10.03.09
Hamburg	27.07.-28.07.09	Zurich	24.08.-25.08.09
Berlin	14.09.-15.09.09	E Training in English	
Hamburg	E 21.09.-22.09.09	Further English dates on request	

Course Booking



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

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