Fast Lane

CISCO PARTNER
Learning Solutions

Hands-on Cisco Training 2011



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

www.flane.fr

Bienvenue chez Fast Lane!

Formation et consulting IT de haut niveau

La performance et la viabilité de l'infrastructure IT de votre organisation reposent sur le savoir-faire des personnes en charge de l'administration de vos systèmes. Nous vous proposons une large gamme de formations, allant des formations de base jusqu'aux formations avancées sur les technologies les plus évoluées. Notre objectif est de développer les compétences de vos collaborateurs et de contribuer au management de leur développement professionnel pour le bénéfice de tous, société et collaborateurs.
Communications sur IP, vidéo, sécurité et VPN, Storage et bases de données, réseaux sansfil, technologies optiques – Fast Lane dispose des consultants et des infrastructures de formation pour satisfaire l'ensemble de vos besoins dans chacun de ces domaines spécialisés. En vous offrant un aperçu global de nos programmes de formation pour l'année, ce catalogue 2011 a pour objectif de vous aider à concevoir un programme de qualification IT adapté à vos besoins.
Nos offres de formation sont ainsi disponibles partout à travers le monde. Fast Lane est présent dans plus de 60 pays et sur chaque continent. La recette de notre succès est simple: chacune de nos actions est orientée vers la satisfaction de critères de qualité maximale. Notre système d'évaluation global est l'assurance que nous tenons nos engagements. Quand vous vous inscrivez à un cours de formation Fast Lane, vous pouvez-être sûrs de bénéficier d'une formation pratique équipée des derniers dispositifs et des labs à la pointe de la technologie. A titre d'illustration, notre lab Cisco Advanced Technology vous permet un accès à la gamme complète des technologies Cisco, jusqu'au Cisco Data Center.
Nos spécialistes expérimentés seront à même de vous accompagner dans le développement d'un plan de formation qui sera parfaitement adapté à vos besoins, en vous apportant toute l'expertise nécessaire aux professionnels de l'IT afin de tirer le meilleur parti de ces technologies avancées.



Nous espérons avoir l'opportunité de pouvoir collaborer avec vous à l'avenir !

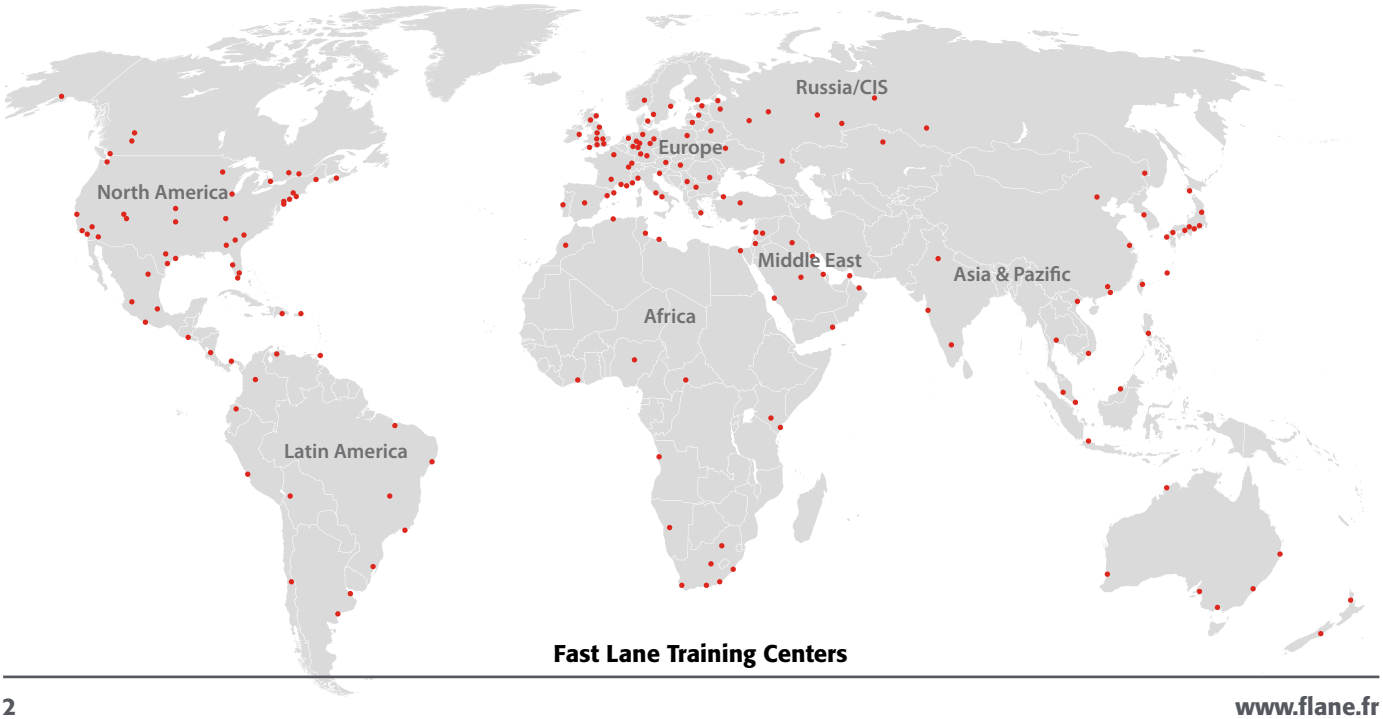
Torsten Poels
Senior Vice President & General Manager
Europe, Americas & Japan

Cisco Partner Learning Solutions

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Fast Lane Training Centers

Contents

Fast Lane

CISCO CAREER CERTIFICATIONS

Certification Programs 7
Cisco Channel Partner Program 10

CISCO POWER WORKSHOPS

Interconnecting Cisco Network Devices: Accelerated (CCNAX) 16
CCNP Power Workshop (CCNPPW) 18
CCIE Routing & Switching Theorieworkshop (CCIET) 19
Cisco CCIE 360 Learning Program 19
CCIE Storage Networking Power Workshop (CCIESAN) 35
CCIE Storage Networking Power Lab (CCIESANPL) 35
CCDE Power Workshops 36
CIPT 1 & 2 Power Workshop (CIPTPW) 51
CCNP Voice Power Workshop (CCNPVPW) 52
Cisco Unified Contact Center Power Workshop (CUCCPW) 57
CCVP Power Workshop (CCVPPW) 47
CCNP Wireless Power Workshop (CCWP) 65
Cisco CWLF/CWLAT Power Workshop (CWLPW) 66
Cisco CCIE Wireless Written Power Workshop (CCIEWW) 67
Cisco CCIE Wireless Lab Power Workshop (CCIEWL) 67

CISCO ROUTING & SWITCHING TRAINING

Interconnecting Cisco Network Devices 1 (ICND1) 15
Interconnecting Cisco Network Devices 2 (ICND2) 16
Implementing Cisco IP Routing (ROUTE) 17
Implementing Cisco IP Switching (SWITCH) 18
Troubleshooting & Maintaining Cisco IP Networks (TSHOOT) 18
Cisco Professionals Troubleshooting (CPT) 20
Routing & Switching Solutions for SEs (RSSSE) 20
Advanced Routing & Switching for FEs (ARSFE) 20
Cisco EnergyWise Worksshop (EWF) 20

CISCO CATALYST 6500 TRAINING

Advanced Catalyst 6500 Switching (CAT6KS) 21
Catalyst 6500 & Cisco 7600 Series Routers Firewall Services Module Deployment (FWSMD) 21

MULTIVENDOR DATA CENTER TRAINING

Virtual Dynamic Data Center (VDDC) 22
Implementing Secure Multi-Tenancy (ISMT) 22
Implementing Vblock (VBLOCK-TECH) 23
Selling Vblocks (VBLOCK-SALES) 23
VMware vSphere & Cisco Nexus 1000V Integration 24

CISCO DATA CENTER TRAINING

Data Center Architectural Overview (DCAO) 25
Data Center Unified Computing Design (DCUCD) 26
Data Center Unified Computing Implementation (DCUCI) 26
Cisco Nexus Overview Workshop (CNOW) 27
Implementing Cisco DC Network Infrastructure 1 (DCNI-1) 27
Implementing Cisco DC Network Infrastructure 2 (DCNI-2) 28
Data Center Network Infrastructure Design (DCNID) 28
Implementing Data Center Networks Using the Cisco Nexus 1000V Switch (IDCN1V) 29
Implementing Data Center Networks Using the Cisco Nexus 5000 Switch & 2000 Fabric Extender (IDCN5K) 29
Implementing Data Center Networks Using the Cisco Nexus 7000 Switch (IDCN7K) 30
Fiber Channel over Ethernet Overview (FCOE) 30
Cisco Wide Area Application Services (CWAAS) 31
Implementing the ACE Service Module (ACESM) 31
Designing Data Center Application Services (DCASD) 32
Implementing Data Center Application Services (DCASI) 32
Designing an Enterprise Application Infrastructure with the ACE Family (ACEDES) 32
Implementing the Cisco ACE Appliance (ACEAP) 32
ACE XML Gateway Operations and Configuration (AXGOC) 33
Implementing Cisco Storage Networking Solutions (ICSNS) 34
Implementing Cisco Adv. Storage Networking Solutions (IASNS) 34
Designing Cisco Storage Networking Solutions (DCSNS) 35

CISCO NETWORK DESIGN TRAINING

Designing for Cisco Internetwork Solutions (DESGN) 36
Designing Cisco Network Service Architectures (ARCH) 36

CISCO COMMUNICATIONS & SERVICES TRAINING

Implementing Cisco QoS (QOS) 37
Configuring BGP on Cisco Routers (BGP) 37
Implementing Cisco MPLS (MPLS) 38
Implementing MPLS Traffic Engineering (MPLST) 38
MPLS Expert Workshop (MEWS) 38
Implementing Cisco Multicast (MCAST) 39
IPv6 Fundamentals, Design & Deployment (IP6FD) 39
Designing Service Provider Cisco QoS (SPQOS) 40
Cisco 12000 Series Technical Product Training (GSR) 40
Configuring Routers for IS-IS (CISIS) 40

CISCO NETWORK MANAGEMENT TRAINING

Implementing CiscoWorks LMS (CWLMS) 41



Prices in this catalogue exclude VAT.
Please note that pricing may differ between countries.

Contents

CISCO SECURITY TRAINING

Implementing Cisco IOS Network Security (IINS) 44
Securing Networks with Cisco Routers & Switches (SECURE) 44
Deploying Cisco ASA Firewall Features (FIREWALL) 45
Deploying Cisco ASA VPN Solutions (VPN) 45
Implementing Cisco Intrusion Prevention System (IPS) 46
Implementing Cisco NAC Appliance (CANAC) 47
Implementing Cisco Security MARS (MARS) 47
Implementing Cisco Network Admission Control (NAC) 47

CISCO UNIFIED COMMUNICATIONS TRAINING

Introducing Cisco Voice & Unified Communications (ICOMM) 50
Implementing Cisco Unified Communications Voice over IP & QoS (CVOICE) 50
Implementing Cisco Unified Communications Manager (CIPT1, CIPT2) 51
Troubleshooting Cisco Unified Communications (TVOICE) 52
Integrating Cisco Unified Communications Applications (CAPPS) 52
Cisco Unified Communications Advanced Troubleshooting (CUCAT) 53
Cisco Unified Presence Design & Implementation (PRSDI) 54
Implementing Cisco Unified Communications Manager 7.0 Features (UCM70) 54
Administering Cisco Unified Communications Manager 7.0 (ACUCM) 54

CISCO UNIFIED CONTACT CENTER TRAINING

Cisco Unified Contact Center Power Workshop (CUCCPW) 57
Unified Contact Center Express & IP IVR Deployment (UCCXD) 57
Unified Contact Center Express Advanced (UCCXA) 57
Implementing Cisco Unified E-Mail & Web Interaction Manager Enterprise (UEIME) 58
Customer Voice Portal Implementation (CVPI) 58

CISCO SERVICE PROVIDER VOICE TRAINING

IP Transfer Point (ITP) 59
Cisco PGW2200 Basic (PGWB) 59
Cisco PGW2200 Advanced Troubleshooting (PGWAT) 59

CISCO TELEPRESENCE TRAINING

TelePresence Power Workshop (TPBOOT) 60
TANDBERG Certified Engineer Level 1 (TCE1) 60
TANDBERG Certified Engineer Level 2 (TCE2) 60

CISCO BUSINESS VIDEO TRAINING

Digital Media Suite (DMS) 61
Cisco Academy of Digital Signage (ADS) 61

CISCO UNIFIED MEETINGPLACE TRAINING

Designing Cisco Unified MeetingPlace Solutions (DMPS) 62
Implementing Cisco Unified MeetingPlace (IMPS) 62

CISCO WIRELESS / MOBILITY TRAINING

Implementing Cisco Unified Wireless Networking Essentials (IUWNE) 63
Cisco Wireless LAN Fundamentals (CWLF) 66
Cisco Wireless LAN Advanced Topics (CWLAT) 66

CISCO ADVANCED SERVICES TRAINING

Data Center, Metro Ethernet, Network Management, Routing & Switching, Security, Service Exchange Framework, Unified Communications, Unified Contact Center, Service Provider Voice, Wireless LAN 71



A propos de Fast Lane

Formation et consulting IT de haut niveau

Nous pouvons aider votre société à acquérir et développer toutes les compétences techniques dont vous avez besoin pour relever de nouveaux défis. Seuls ceux qui maîtrisent parfaitement tous ces outils techniques peuvent prétendre capitaliser sur leurs bénéfices. C'est pour toutes ces raisons que nos clients et nos partenaires nous font confiance.

Fast Lane propose toutes les connaissances réseaux dont vous avez besoin. La voix et les Communications Unifiées, la sécurité et les VPN, les Data Centers et le stockage réseau, les réseaux sans fil ou optiques, quelles que soient les compétences spécialisées et les conseils dont vous avez besoin, Fast Lane vous proposera l'expert spécialisé qui vous conviendra.

Fast lane est présent pour vous à travers le monde, dans 60 pays. Plus de 400 collaborateurs Fast Lane forment et conseillent des compagnies majeures dans toutes les industries, pour les plus grands Services Providers, pour les agences gouvernementales, le tout proposé en 12 langues. Afin de servir ses clients au niveau mondial, Fast Lane a mis en place des sièges sociaux situés sur chaque continent à Berlin, Cary NC, Sydney et Tokyo.

Fast Lane est l'un des Cisco Learning Solutions Partners leader du marché. En tant que Cisco Learning Solutions Partner (CLSP) ayant la croissance la plus rapide, Fast Lane est heureux de vous proposer l'ensemble des cursus Cisco, depuis les formations de début de cursus jusqu'aux formations les plus sophistiquées, et ce dans toutes les régions du globe.

Fast Lane est le seul NetApp Learning Partner global du marché. En tant que NetApp Training Partner autorisé, Fast Lane propose tous les programmes de formations originaux de NetApp à travers le monde entier. Les spécialistes certifiés NetApp vous proposeront des formations en vous faisant bénéficier de leur expertise en matière de Stockage.

Fast Lane a développé ses propres cours afin de couvrir tous les axes clefs des technologies du futur. Que dire de plus, notre offre de formation couvre des programmes de formation comme Brocade, CA, Check Point, Citrix, CompTIA, HP, ITIL, Lotus, LPI, Microsoft, Nokia, Novell, Oracle, PMI, PRINCE2™, Red Hat, RSA Security, SAP, Sun, Symantec/Veritas, Trend Micro, and VMware.

Fast Lane vous propose l'accès à une infrastructure de Labs Techniques, sans équivalent dans le monde. Les collaborateurs de nos clients ont ainsi accès à travers notre infrastructure de Labs d'entraînement et de démo, à tous les domaines des techniques réseaux les plus sophistiquées. Equipés des toutes dernières technologies, nos Labs Hautes Technologies sont les garants d'une qualité d'exercices pratiques exemplaires et d'une qualité de service haut de gamme.

Les services Fast Lane satisfont les plus exigeants. Avec un système d'évaluation parfaitement compréhensible et un contrôle qualité en temps réel, Fast Lane est en mesure d'atteindre des niveaux de qualité pour les plus exigeants. Nos formateurs, grâce à leur bonne expérience professionnelle et leurs qualités pédagogiques éprouvées, proposent des transferts de compétence efficaces et bien adaptés.

Quel que soit le collaborateur Fast Lane, vous êtes assuré d'une réponse rapide en toute courtoisie. A travers notre équipe à votre service, nous vous assurons d'une réponse compétente et circonstanciée, même dans les délais les plus brefs. A titre d'exemple, nous pouvons vous déléguer un Expert en Troubleshooting en quelques heures, ou bien vous organiser un cours sur site incluant les équipements adaptés et les kits de cours en 24 heures.

Cisco Partner Learning Solutions

NetApp Authorized Learning Partner

VMware Partner Authorized Training Center

Symantec Authorized Education Delivery Partner

Oracle Education Reseller

EMC² where information lives

hp



COURS INTER-ENTREPRISES

Toutes les filiales et centres de formation de Fast Lane vous proposent leurs services pour les cours inter-entreprises dans plus de 40 pays à travers le monde. Vous disposez, à travers nos infrastructures, d'un environnement de formation optimal. Notre équipe est à votre disposition pour répondre à toutes vos questions concernant la réservation des cours, les plannings, l'hébergement, les prix, l'inscription aux examens et tout autre aspect de logistique.

LA FORMATION SUR SITE : OÙ ET QUAND VOUS LE SOUHAITEZ

Qu'il s'agisse d'un cours standard, d'une formation technologique hautement spécialisée ou d'un Workshop spécifiquement développé pour votre entreprise, nos experts sont capables de dispenser tout type de formation sur votre site. Fast Lane est ainsi en mesure d'organiser une formation complète comprenant un instructeur, les équipements de cours et les supports de cours appropriés, sur le site de votre choix dans un délai de 24 heures.

DÉVELOPPEMENT DE COURS

Le développement et la complexification des infrastructures IT nécessitent des connaissances spécialisées de plus en plus poussées. Il est fréquent que la formation IT adaptée à vos besoins ne soit pas disponible sur le marché. C'est pourquoi nous développons des cours centrés autour des technologies clés avec un contenu répondant spécifiquement aux besoins des constructeurs, des partenaires et des utilisateurs finaux.

ENGAGER UN SPÉCIALISTE

Nous mettons à votre disposition des spécialistes des réseaux pendant les périodes pour lesquelles vous manquez de personnel. Vous pouvez ainsi faire appel à nos experts lors les périodes de congés, en cas de projets nécessitant la mobilisation de vos ressources humaines, ou lorsque vous souhaitez un appui pour la mise en place de nouveaux systèmes. Nous sommes bien entendu en mesure de vous fournir les spécialistes dont vous avez besoin dans les domaines du stockage, de la sécurité et des communications unifiées.

DÉVELOPPEMENT PROFESSIONNEL

Nous sommes en mesure de planifier, mettre en place et manager les projets de qualifications les plus complets. Notre offre de services comprend l'analyse des besoins en qualification, la réalisation d'études préalables, le développement et le management des plans de formation, le management et le contrôle des projets de certification, le développement de programmes et de contenus et la programmation. Nous prenons également en charge la logistique, mettons en oeuvre des mesures complètes de qualification sur n'importe quelle échelle, y compris au niveau mondial et réalisons des contrôles qualités, du reporting et des évaluations post examens.

SYSTÈMES DE GESTION DE FORMATION

Dans le cadre de notre engagement visant à encourager les efforts des entreprises pour planifier et mettre en place des systèmes de formation d'envergure et des programmes de dévelopemment professionnels, nous développons des portails de formation par internet et des systèmes de gestion de formation en ligne (LMS) adaptés aux exigences de formation spécifiques à chaque entreprise. Un LMS permet à chaque employé d'accéder précisément au contenu de la formation dont il a besoin pour obtenir la qualification visée.

ONLINE-TESTCENTER

Notre centre de test en ligne a pour objectif de vous aider à obtenir rapidement vos certifications sans contrainte administrative, dans la mesure où nous agissons pour votre compte et sommes responsable du management de vos projets de certification. Les questions de nos tests sont issues des quelques 100 sujets liés aux certifications clés dans l'environnement Cisco. En outre, nos spécilialistes sont à même de développer pour vous des tests supplémentaires personnalisés.

- ✓ **Formations personnalisées**
- ✓ **Engager un spécialiste pour résoudre un problème particulier**
- ✓ **Développement professionnel, développement de compétences et évaluation des besoins**
- ✓ **Planification et mise en oeuvre de projets de certification d'envergure**
- ✓ **Centre de test en ligne, préparation aux certifications constructeurs**



Infrastructure de Labs

Une accessibilité mondiale

Fast Lane propose des Labs d'entraînement et de démonstration uniques au monde, permettant de couvrir tous les aspects des réseaux de haute technologie. Bénéficiant d'infrastructures à la pointe de la technologie, les labs et leurs services associés Top niveau vous fournissent une plate-forme pratique d'une qualité inégalée. De plus, ces Labs sont accessibles en tous lieux aux consultants, permettant à tout client d'avoir accès et de tester les technologies les plus récentes.

UN ACCÈS À PLUS DE 150 LABS DE HAUTE TECHNOLOGIE

Nos labs de Berlin, Hambourg, Francfort, Vienne et Dubai comprennent à titre d'exemple:

- Le seul lab SAN d'Europe équipé de 2 Switchs MDS 9590 et de 32 Switchs MDS 9216i
- Un lab MeetingPlace avec des serveurs audios 8106/8112 et des appareils de vidéoconférence IPVC-3515-MCU12
- Le seul lab d'Europe de TélePresence, DMS et vidéosurveillance sur IP
- Des switching labs de haut niveau avec plus de 30 Switchs Catalyst Cisco de la série des 6000
- Des labs pouvant reproduire des solutions complètes de Data Center
- Un lab optique avec quatre Switchs ONS 15454E
- Des labs de sécurité avec des Virtual Private Networks (VPN), des Firewalls (ASA), Intrusion Prevention System (IPS), Cisco NAC et MARS
- Le plus important lab Voix au monde avec 80 clusters intégrés Unified Communicaions Manager-, Cisco Unity- et ICM-Enterprise
- Des labs de Quality of Service (QoS)
- Des labs MPLS
- Des labs spéciaux Service-Provider
- Des solutions d'administration réseau
- Des labs de routage comprenant en tout 840 routeurs

- ✓ **Dispositifs et technologies de pointe**
- ✓ **Labs de Data Center & Stockage**
- ✓ **Labs Routing & Switching**
- ✓ **Labs Unified Communications**
- ✓ **Labs de TelePresence, MeetingPlace, DMS & IP Video Surveillance**
- ✓ **Labs Securité**
- ✓ **Labs Unified Wireless Network**
- ✓ **Location de Labs 24/24h 7/7j**





Location de Labs

ID	Description du cours	Heures	Jours	Pods	Prix total	Prix/jour	Prix/participant*s
ROUTING & SWITCHING LABS							
L-ICND	Interconnecting Cisco Network Devices	40	5	8	1.290,00 EUR	299,00 EUR	108,00 EUR
L-ROUTE	Implementing Cisco IP Routing	40	5	8	1.755,00 EUR	399,00 EUR	180,00 EUR
L-SWITCH	Implementing Cisco IP Switched Networks	40	5	8	1.755,00 EUR	399,00 EUR	180,00 EUR
L-TSHOOT	Troubleshooting and Maintaining Cisco IP Networks	40	5	8	1.755,00 EUR	399,00 EUR	180,00 EUR
L-CAT6KS	Cisco Catalyst 6500 Implementation	40	5	8	2.990,00 EUR	549,00 EUR	400,00 EUR
L-VSS	Cisco Catalyst 6500 Series Virtual Switching System	16	2	8	1.590,00 EUR	849,00 EUR	210,00 EUR
L-FWSMD	Catalyst 6500 & Cisco 7600 Series Routers FWSM Deployment	40	5	8	Nur als Bundle mit Lab und Trainer**		
L-ARSFE	Advanced Routing & Switching for Field Engineers	24	3	8	1.100,00 EUR	399,00 EUR	210,00 EUR
UNIFIED COMMUNICATIONS LABS							
L-IIUC	Implementing Cisco IOS Unified Communications	40	5	8	2.490,00 EUR	549,00 EUR	300,00 EUR
L-IIUC2	Implementing Cisco IOS Unified Communications Part 2	40	5	8	2.490,00 EUR	549,00 EUR	300,00 EUR
L-ACUCM	Administering Cisco Unified Communications Manager 7.0	24	3	8	1.490,00 EUR	549,00 EUR	300,00 EUR
L-AUM	Administering Cisco Unified Messaging	16	2	8	1.000,00 EUR	549,00 EUR	300,00 EUR
L-CVOICE	Implementing Cisco Voice Communications & QoS	40	5	8	2.490,00 EUR	549,00 EUR	300,00 EUR
L-CIPT1	Implementing Cisco Unified Communications Manager Part 1	40	5	8	2.490,00 EUR	549,00 EUR	300,00 EUR
L-CIPT2	Implementing Cisco Unified Communications Manager Part 2	40	5	8	2.490,00 EUR	549,00 EUR	300,00 EUR
L-CVPI	Customer Voice Portal Implementation	40	5	8	2.490,00 EUR	549,00 EUR	300,00 EUR
L-TUC	Troubleshooting Cisco Unified Communications Systems	40	5	8	2.800,00 EUR	599,00 EUR	350,00 EUR
L-PGWB	Cisco PGW2200 Basic	40	5	6	1.990,00 EUR	449,00 EUR	210,00 EUR
L-PGWAT	Cisco PGW2200 Advanced Troubleshooting	40	5	6	1.990,00 EUR	449,00 EUR	210,00 EUR
L-UEIME	Implementing Cisco Unified E-Mail and Web Interaction Manager Enterprise	40	5	9	1.990,00 EUR	449,00 EUR	210,00 EUR
L-UCCDX	Unified Contact Center Express & Unified IP IVR Deployement	40	5	4	2.800,00 EUR	-	-
L-CCIEV	CCIE Preparation Lab Voice	40	5	6	3.490,00 EUR	699,00 EUR	480,00 EUR
SECURITY LABS							
L-IINS	Implementing Cisco IOS Network Security	40	5	8	1.790,00 EUR	399,00 EUR	180,00 EUR
L-SNRS	Securing Networks with Cisco Routers & Switches	40	5	8	1.885,00 EUR	399,00 EUR	240,00 EUR
L-AIPSEC	Advanced IPSec	40	5	8	Nur als Bundle mit Lab und Trainer**		
L-SNAF	Securing Networks with ASA Fundamentals	40	5	8	1.885,00 EUR	399,00 EUR	300,00 EUR
L-SNAA	Securing Networks with ASA Advanced	40	5	8	1.885,00 EUR	399,00 EUR	300,00 EUR
L-IPS	Cisco Secure Intrusion Prevention System	32	4	8	1.690,00 EUR	499,00 EUR	300,00 EUR
L-NAC	Implementing Cisco Network Admission Control	24	3	8	1.885,00 EUR	849,00 EUR	240,00 EUR
L-CANAC	Implementing Cisco NAC Appliance	24	3	8	1.885,00 EUR	849,00 EUR	240,00 EUR
L-MARS	Cisco Security Monitoring, Analysis & Response System	32	4	8	2.490,00 EUR	549,00 EUR	300,00 EUR
UNIFIED WIRELESS NETWORK LABS							
L-IUWNE	Implementing Cisco Unified Wireless Networking Essentials	40	5	8	2.490,00 EUR	549,00 EUR	270,00 EUR
L-CWLF	Cisco Wireless LAN Fundamentals	32	4	6	1.690,00 EUR	499,00 EUR	270,00 EUR
L-CWLAT	Cisco Wireless LAN Advanced Topics	32	4	8	2.290,00 EUR	599,00 EUR	340,00 EUR
L-CUWN	Cisco Unified Wireless Networking	24	4	8	2.090,00 EUR	549,00 EUR	270,00 EUR
L-CWMN	Cisco Wireless Mesh Networking	24	3	6	1.790,00 EUR	699,00 EUR	240,00 EUR
L-IAUWS	Implementing Advanced Cisco Unified Wireless Security	40	5	8	2.490,00 EUR	549,00 EUR	270,00 EUR
L-IUWMS	Implementing Cisco Unified Wireless Mobility Services	40	5	8	2.490,00 EUR	549,00 EUR	270,00 EUR
L-CCIEWL	Cisco CCIE Wireless Lab Power Workshop	40	5	6	Nur als Bundle mit Lab und Trainer**		
NETWORK MANAGEMENT LABS							
L-CWLMS	Implementing CiscoWorks LMS	40	5	8	2.190,00 EUR	499,00 EUR	300,00 EUR
COMMUNICATIONS & SERVICES LABS							
L-MPLS	Implementing Cisco MPLS	40	5	8	2.490,00 EUR	549,00 EUR	250,00 EUR
L-MPLST	Implementing Cisco MPLS Traffic Engineering	40	5	4	2.490,00 EUR	549,00 EUR	490,00 EUR
L-BGP	Configuring BGP on Cisco Routers	40	5	8	1.755,00 EUR	399,00 EUR	210,00 EUR
L-AOSPF	Advanced OSPF	40	5	8	1.755,00 EUR	399,00 EUR	210,00 EUR
L-IP6FD	IPv6 Fundamentals, Design & Deployment	40	5	8	1.755,00 EUR	399,00 EUR	210,00 EUR
L-MCAST	Implementing Cisco Multicast	32	4	8	1.755,00 EUR	449,00 EUR	210,00 EUR
L-QOS	Implementing Cisco Quality of Service	40	5	8	1.990,00 EUR	449,00 EUR	210,00 EUR
L-ITP	IP Transfer Point	32	4	4	1.990,00 EUR	599,00 EUR	340,00 EUR
STORAGE & DATA CENTER LABS							
L-ACESM	Implementing the ACE Service Module	32	4	8	2.990,00 EUR	749,00 EUR	480,00 EUR
L-ACEAP	Cisco Application Control Engine Appliance	32	4	8	3.490,00 EUR	949,00 EUR	480,00 EUR
L-ACEDES	Designing an Enterprise Application Infrastructure	32	4	8	3.490,00 EUR	949,00 EUR	480,00 EUR
L-CWAAS	Cisco Wide Area Application Services	40	5	4	2.490,00 EUR	549,00 EUR	300,00 EUR
L-DCNI-1	Implementing Cisco Data Center Network Infrastructure 1	40	5	6	3.490,00 EUR	849,00 EUR	480,00 EUR
L-DCNI-2	Implementing Cisco Data Center Network Infrastructure 2	40	5	6	Nur als Bundle mit Lab und Trainer**		
L-DCUCI	Data Center Unified Computing Implementation	40	5	8	Nur als Bundle mit Lab und Trainer**		
L-DCUCD	Data Center Unified Computing Design	40	5	8	Nur als Bundle mit Lab und Trainer**		
L-ICSNS	Implementing Cisco Storage Networking Solutions	40	5	8	3.490,00 EUR	749,00 EUR	480,00 EUR
L-IASNS	Implementing Cisco Advanced Storage Networking Solutions	40	5	8	3.490,00 EUR	749,00 EUR	480,00 EUR
L-DCSNS	Designing Cisco Storage Networking Solutions	40	5	8	3.490,00 EUR	749,00 EUR	480,00 EUR
L-DOTF	Data ONTAP 7.3 Fundamentals	40	5	8	3.490,00 EUR	749,00 EUR	-
L-CIFS	CIFS Administration on Data ONTAP 7.3	16	2	8	1.390,00 EUR	749,00 EUR	-
L-NFS	NFS Administration on Data ONTAP 7.3	8	1	8	749,00 EUR	749,00 EUR	-
L-FPA	Fundamentals of Performance Analysis	16	2	8	2.090,00 EUR	749,00 EUR	-
L-SAN	SAN Administration on Data ONTAP 7.3	24	3	8	2.090,00 EUR	749,00 EUR	-
L-METRO	MetroCluster	16	2	8	1.390,00 EUR	749,00 EUR	-
L-MSEXC	Microsoft Exchange on NetApp Storage Systems	32	4	8	2.490,00 EUR	749,00 EUR	-
L-NAVMW	VMware on NetApp Storage Systems	40	5	8	3.490,00 EUR	749,00 EUR	-
L-MSSQL	Microsoft SQL on NetApp Storage Systems	32	4	8	2.490,00 EUR	749,00 EUR	-
L-VICM	VMware vSphere 4: Install, Configure, Manage	32	4	12	2.790,00 EUR	749,00 EUR	-
L-VIWN	VMware vSphere 4: What's New	16	2	12	1.298,00 EUR	749,00 EUR	-

Tous les prix sont H.T.

**Simulateur Titanium

* 4 étudiants au minimum

Consulting Services

CONSULTING EN STRATEGIE, TECHNOLOGIE ET PERFORMANCE

De nos jours, la qualité des infrastructures IT joue un rôle central dans la performance d'une entreprise. Nos services de consulting sont destinés à des entreprises tant privées que publiques. Nous avons comme objectif de leur donner accès aux solutions interréseaux les plus évoluées et de leur fournir l'accompagnement nécessaire à toutes les phases de leur développement. Nos consultants sont impartiaux et voués à répondre aux besoins des clients, sans distinction de constructeur.

Nous mettons à votre disposition les services de consulting suivants :
Aide à la décision et études de faisabilité
Conception de réseaux innovants
Assistance à l'installation et à l'intégration
Consulting sur des technologies spécialisées

LES COMPETENCES ADEQUATES POUR VOS SOLUTIONS IT

Sur la base de méthodes éprouvées et d'une véritable expérience de terrain, nous sommes en mesure de manager vos projets avec un maximum d'efficacité. Nos consultants sont attentifs au respect des coûts, au timing et à l'atteinte des objectifs fixés. Ils s'assurent ainsi que vos projets soient réalisés dans les délais impartis et dans la limite de votre budget. Nos experts ne disposent pas seulement d'une expérience significative dans le management de projet, mais possèdent également les certifications les plus avancées. Nous comptons ainsi 62 CCIEs (Cisco Certified Internetwork Experts) parmi nos spécialistes.

ENGAGEZ UN SPECIALISTE

Nous mettons à votre disposition des spécialistes des réseaux pendant les périodes durant lesquelles vous manquez de personnel. Vous pouvez ainsi faire appel à nos experts lors les périodes de congés, en cas de projets nécessitant la mobilisation de vos ressources humaines, ou lorsque vous souhaitez un appui pour la mise en place de nouveaux systèmes. Nous sommes bien entendu en mesure de vous fournir les spécialistes dont vous avez besoin dans les domaines du stockage, de la sécurité et des communications unifiées.









CONTACTEZ-NOUS.

N'hésitez pas à nous contacter si vous souhaitez plus d'informations sur nos services de consulting. Nous vous répondrons dans les plus brefs délais. Vous pouvez nous joindre par téléphone au +33 (0)1 58 04 27 88 ou nous contacter par e-mail à l'adresse suivante: **info@flane.fr**

Formations Cisco

L'offre de formation de Fast Lane couvre l'ensemble des technologies Cisco et des solutions spécialisées nécessaires à vos collaborateurs.

CISCO COMPLETE
Fast Lane propose un portefeuille complet de formations Cisco, du niveau débutant à expert. Vous pouvez être assurés de bénéficier de la formation optimale pour relever les défis des certifications et spécialisations Cisco.

COURS PERSONNALISES
Nos experts sont à votre disposition pour développer des cours et des formations adaptés à vos besoins.

INSTRUCTEURS DE HAUT NIVEAU
Tous nos instructeurs sont des spécialistes certifiés Cisco possédant une expérience pratique significative dans leurs domaines d'intervention. Ainsi, ce ne sont pas moins de 62 CCIE (Cisco Certified Internetwork Experts) et 80 CCNP (Cisco Certified Network Professionals) qui sont à votre disposition.

FORMATION SUR SITE
Nous proposons des sessions de formation régulières dans de nombreux pays européens, afin de vous aider à planifier et mettre en place votre programme de formation selon votre convenance.

CERTIFICATION DANS LE MONDE ENTIER
Fast Lane est certifié dans toutes les régions du globe en tant que Cisco Learning Solution Partner.

LABS ADVANCED TECHNOLOGY
Des exercices pratiques utilisant les derniers équipements Cisco, vous permettront d'acquérir les connaissances dont vous avez besoin pour faire fonctionner les infrastructures de réseaux les plus complexes.

CISCO LEARNING CREDITS
Echangez vos Cisco Learning Credits ! Vous êtes invité à utiliser vos CLC pour payer n'importe quelle formation Cisco.

CENTRE DE TEST
Notre centre de test en ligne a pour objectif de vous aider à obtenir rapidement vos certifications sans contrainte administrative, dans la mesure où nous agissons pour votre compte et sommes responsables du management de vos projets de certification.

Routing & Switching



Unified Communications



TelePresence



MeetingPlace



DMS



Data Center & Virtualization



Security & VPN

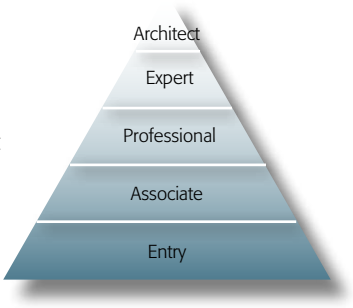


Wireless LAN



Cisco Career Certifications

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



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

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

	ROUTING & SWITCHING	STORAGE	SERVICE PROVIDER	SP OPERATIONS	SECURITY	VOICE	WIRELESS	DESIGN
Expert Level	**CCIE Routing & Switching** Cisco Certified Internetwork Expert	**CCIE Storage Networking** Cisco Certified Internetwork Expert	**CCIE Service Provider** Cisco Certified Internetwork Expert	**CCIE SP Operations** Cisco Certified Internetwork Expert	**CCIE Security** Cisco Certified Internetwork Expert	**CCIE Voice** Cisco Certified Internetwork Expert	**CCIE Wireless** Cisco Certified Internetwork Expert	**CCDE** Cisco Certified Design Expert
	Lab Exam Cisco 360 Learning Program **Written Exam 350-001** Cisco 360 Learning Program	**Lab Exam** CCIE Storage Networking Power Lab (CCIESANPL) **Written Exam 350-040** Individuelles Trainings-programm	**Lab Exam** CCIE Preparation Lab Service Provider (CCIESP) **Written Exam 350-029** Individuelles Trainings-programm	**Practical Exam** Individuelles Trainings-programm **Written Exam 350-060** Individuelles Trainings-programm	**Lab Exam** Individuelles Trainings-programm **Written Exam 350-018** Individuelles Trainings-programm	**Lab Exam** Cisco 360 Learning Program **Written Exam 350-030** Cisco 360 Learning Program	**Lab Exam** CCIE Wireless Lab Power Workshop (CCIEWL) **Written Exam 350-050** CCIE Wireless Written Power Workshop (CCIEWW)	**Practical Exam** CCDE Lab Exam Power Workshop (CCDEL5) **Written Exam 352-001** CCDE Written Exam Power Workshop (CCDEW)
Professional Level	**CCNP** Cisco Certified Network Professional	**CCNP** Cisco Certified Network Professional	**CCIP** Cisco Certified Internetwork Professional	**CCNP SP Operations** Cisco Certified Network Professional	**CCNP Security** Cisco Certified Network Professional	**CCNP Voice** Cisco Certified Network Professional	**CCNP Wireless** Cisco Certified Network Professional	**CCDP** Cisco Certified Design Professional
	Troubleshooting & Maintaining Cisco IP Networks (TSHOOT) **Test 642-832** Implementing Cisco IP Switched Networks (SWITCH) **Test 642-813** Implementing Cisco IP Routing (ROUTE) **Test 642-902**	Troubleshooting & Maintaining Cisco IP Networks (TSHOOT) **Test 642-832** Implementing Cisco IP Switched Networks (SWITCH) **Test 642-813** Implementing Cisco IP Routing (ROUTE) **Test 642-902**	Implementing Cisco MPLS (MPLS) **Test 642-611** Configuring BGP on Cisco Routers (BGP) **Test 642-661** Implementing Cisco Quality of Service (QOS) **Test 642-642** Implementing Cisco IP Routing (ROUTE) **Test 642-902**	Maintaining Cisco Service Provider Quality of Service (MSPQS) **Test 642-785** Maintaining Cisco Service Provider VPNs & MPLS Networks (MSPVM) **Test 642-780** Maintaining Cisco Service Provider Routing Protocols (MSPRP) **Test 642-775** Operational Foundations for Cisco Service Provider Core Networks (OFCN) **Test 642-770**	Deploying Cisco ASA VPN Solutions (VPN) **Test 642-647** Implementing Cisco Intrusion Prevention System (IPS) **Test 642-627** Deploying Cisco ASA Firewall Features (FIREWALL) **Test 642-617** Securing Networks with Cisco Routers & Switches (SECURE) **Test 642-637**	Troubleshooting Cisco Unified Communications (TVoice) **Test 642-427** Implementing Cisco UC Manager Part 2 (CIPT2) **Test 642-457** Implementing Cisco UC Manager Part 1 (CIPT1) **Test 642-447** Implementing Cisco UC VoIP & QoS (CVOICE) **Test 642-437** Integrating Cisco Unified Communications Applications (CAPPS) **Test 642-467**	Implementing Cisco Unified Wireless Mobility Services (IUWMS) **Test 642-746** Implementing Cisco Unified Wireless Voice Networks (IUWVN) **Test 642-741** Implementing Advanced Cisco Unified Wireless Security (IAUWS) **Test 642-736** Conducting Cisco Unified Wireless Site Survey (CUWSS) **Test 642-731**	Designing Cisco Network Service Architectures (ARCH) **Test 642-873** Implementing Cisco IP Switched Networks (SWITCH) **Test 642-813** Implementing Cisco IP Routing (ROUTE) **Test 642-902**
Entry & Associate Level				**CCNA SP Operations**	**CCNA Security**	**CCNA Voice**	**CCNA Wireless**	**CCDA** Cisco Certified Design Associate
				Supporting Cisco Service Provider IP NGN Operations (SSPO) **Test 640-760**	Implementing Cisco IOS Network Security (IINS) **Test 640-553**	Introducing Cisco Voice & UC Administration (ICOMM) **Test 640-461**	Implementing Cisco Unified Wireless Networking Essentials (IUWNE) **Test 640-721**	Designing for Cisco Internetwork Solutions (DESGN) **Test 640-863**
	CCENT Cisco Certified Entry Networking Technician	**CCNA** Cisco Certified Network Associate						
	Interconnecting Cisco Network Devices Part 1 (ICND1) **Test 640-822** →	Interconnecting Cisco Network Devices Part 2 (ICND2) **Test 640-816**	oder Interconnecting Cisco Network Devices: Accelerated (CCNAX) **Test 640-802**					

Cisco Specialist Certifications

Fast Lane

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

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

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

SECURITY & VPN

Prerequisites	Recommended Training	Days	Test
CISCO ASA SPECIALIST			
CCNA Security Certification	**SNAF** Securing Networks with ASA Fundamentals **SNAA** Securing Networks with ASA Advanced	5 5	**SNAF** Test #642-524 **SNAA** Test #642-515
Cisco IPS SPECIALIST			
CCNA Security Certification	**IPS** Implementing Cisco Intrusion Prevention System	5	**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 #642-583
CISCO WEB SECURITY FIELD ENGINEER SPECIALIST			
CCSP Certification	**WSCPT** Web Security for Channel Partners **LCSAS** Cisco Lifecycle Services Advanced Security	2	**WSFE** Test #650-568 **LCSAS** Test #650-575
CISCO SECURITY SALES SPECIALIST			
CSE Certification	**ASAM** Advanced Security for Account Managers		**ASAM** Test #646-578

FOUNDATION FOR CHANNEL PARTNERS

Prerequisites	Recommended Training	Days	Test
CISCO EXPRESS FOUNDATION DESIGN SPECIALIST			
CCDA Certification	**CXFS** Cisco Express Foundation SE		**CXFS** Test #642-374
CISCO EXPRESS FOUNDATION FIELD SPECIALIST			
CCNA Certification	**CXFF** Cisco Express Foundation FE		**CXFF** Test #642-384
CISCO EXPRESS FOUNDATION SALES SPECIALIST			
CSE Certification	**CXFA** Cisco Express Foundation AM		**CXFA** Test #646-364

ADVANCED ROUTING & SWITCHING

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

UNIFIED COMMUNICATIONS & VIDEO

Prerequisites	Recommended Training	Days	Test
CISCO IP COMMUNICATIONS EXPRESS SPECIALIST			
CCNA Certification	**ICOMM** Introducing Cisco Voice & UC Administration (ICOMM) **IIUC2** Implementing Cisco IOS Unified Communications Part 2 Cisco Lifecycle Services Express	5 5	**IIUC2** Test #642-145 **LCSE** Test #650-393
CISCO IP CONTACT CENTER EXPRESS SPECIALIST			
None	**UCCXD** Unified Contact Center Express & Unified IP IVR	5	**UCCX** Test #642-165
CISCO IP COMMUNICATIONS DESIGN SPECIALIST			
CCDA Certification	**UCAD** Cisco Unified Communications Architecture & Design **QOS** Implementing Cisco QoS Cisco Lifecycle Services for Advanced Unified Communications	5 5	**UCAD** Test #642-415 **QOS** Test #642-642 **LCSAUC** Test #650-251
CISCO RICH MEDIA COMMUNICATIONS SPECIALIST			
CCNA Certification	**ICRMC** Implem. Cisco IP Video Conference Rich Media Comm. **CVOICE** Implementing Cisco Voice Communications & QoS	5	**CRMC** Test #642-481 **CVOICE** Test #642-436
CISCO UNITY DESIGN SPECIALIST			
CCDA Certification	**IUM** Implementing Cisco Unified Messaging **CUDN** Cisco Unity Design & Networking	5 4	 **CUDN** Test #642-072
CISCO UNITY SUPPORT SPECIALIST			
None	**IUC** Implementing Cisco Unity Connection	5	**IUC** Test #642-262
CISCO UNIFIED PRESENCE SPECIALIST			
None	**PRSDI** Cisco Unified Presence Design & Implementation	3	**PRSDI** Test #642-181
CISCO TELEPRESENCE INSTALLATIONS SPECIALIST			
None	**ITI** Implementing Cisco TelePresence Installation		**ITI** Test #642-188
CISCO TELEPRESENCE SOLUTIONS SPECIALIST			
CCNA Certification	**TPBOOT** TelePresence Power Workshop	5	**ITS** Test #642-185
CISCO ADVANCED IP COMMUNICATIONS SALES SPECIALIST			
CSE Certification	**AUCAM** Advanced Unified Communications Account Manager		**AUCAM** Test #646-230
CISCO IP COMMUNICATIONS EXPRESS SALES SPECIALIST			
CSE Certification	**UCXAM** Unified Communications Express AM Cisco Lifecycle Services Express		**UCXAM** Test #646-223 **LCSE** Test #650-393

MEETINGPLACE

Prerequisites	Recommended Training	Days	Test
CISCO MEETINGPLACE DESIGN SPECIALIST			
CCDA Certification	**DMPS** Designing Cisco Unified MeetingPlace Solutions	3	**DMPS** Test #642-272
CISCO MEETINGPLACE SUPPORT SPECIALIST			
CCNA Certification	**IMPS** Implementing MeetingPlace Solutions	5	**IMPS** Test #642-274
CISCO MEETINGPLACE SALES SPECIALIST			
CSE Certification	**SMPS** Selling Cisco Unified MeetingPlace Solutions		**SMPS** Test #646-276

WIRELESS LAN

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

Cisco Channel Partner Program

Les certifications Cisco font partie d'un programme de qualification Leader sur le marché, vous permettant de vous différencier de manière unique, à travers vos solutions et vos compétences auprès de vos clients.

LES NIVEAUX DE CERTIFICATION: SELECT, PREMIER, SILVER, GOLD

Le niveau de certification du programme Cisco Channel Partner représente l'étendue de votre maîtrise des technologies Cisco, assurant votre capacité à proposer des solutions intégrées.

Il existe quatre niveaux de certifications partenaires :

• Certification-**Select** – nécessite la certification SMB.

• Certification-**Premier** – nécessite la spécialisation Express Foundation.

• Certification-**Silver** – nécessite la spécialisation Express Foundation, ainsi qu'une des deux options suivantes : * Deux spécialisations Advanced au choix OU * la spécialisation Express Unified Communications plus une spécialisation Advanced au choix, à l'exception de la spécialisation Advanced Unified Communications.

• Certification-**Gold** – nécessite les quatre spécialisations suivantes : Advanced Routing and Switching, Advanced Security, Advanced Unified Communications et Advanced Wireless LAN pour des savoir-faire répartis dans de multiples domaines de technologies avancées.

LES NIVEAUX DE SPECIALISATION: SMB, EXPRESS, ADVANCED, MASTER

Les spécialisations Cisco reflètent l'étendue des compétences d'un partenaire dans une technologie particulière. Le programme Cisco Channel Partner offre quatre niveaux de spécialisation.

• Spécialisation **Entry**

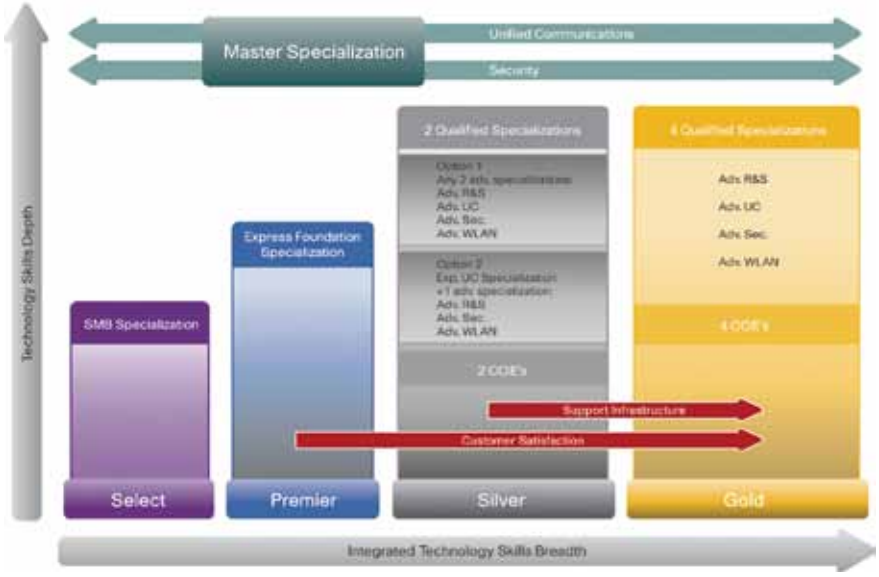
• Spécialisation **Express**

• Spécialisation **Advanced**

• Spécialisation **Master**

Chaque niveau traduit des compétences supérieures dans les domaines de la vente, de la maîtrise technique et du management du cycle de vie des services. Ces spécialisations sont centrées sur des domaines technologiques particuliers et offrent aux partenaires un moyen de se différencier sur leurs marchés. En obtenant une spécialisation, les partenaires ont démontré leur expertise en termes de vente, de maîtrise technique et de management du cycle de vie des services pour planifier, concevoir, mettre en oeuvre et gérer des solutions auprès de leurs clients.

Cisco Resale Partner Program Framework



CONTACTEZ-NOUS.

N'hésitez pas à nous contacter si vous souhaitez des renseignements supplémentaires sur le programme Cisco Channel Partner, nous vous répondrons dans les plus brefs délais. Vous pouvez nous joindre par téléphone au +33 (0)1 58 04 27 88 ou nous contacter par e-mail à l'adresse suivante : info@flane.fr

Select Partner

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

Premier Partner

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

Silver Partner

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

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

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

Gold Partner

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

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



Cisco Channel Partner Program: Training by Specialization

Fast Lane

Small Business Specialization

Job Role		Cisco Career Certification	Recommended Training	Test
SMALL BUSINESS				
AM	None		**SMB Solutions for Account Managers** E-Learning	**SMBAM** Test #650-177
SE	None		**SMB Solutions for Engineers** E-Learning	**SMBE** Test #650-195

Express Specialization

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
EXPRESS FOUNDATION				
AM	**CSE** Certification	**Cisco Express Foundation Sales Specialist**	**CXFA** Express Foundation AM	**CXFA** Test #646-364
SE	**CCDA** Certification	**Cisco Express Foundation Design Specialist**	**CXFS** Express Foundation SE	**CXFS** Test #642-374
FE	**CCNA** Certification	**Cisco Express Foundation Field Specialist**	**CXFF** Express Foundation FE	**CXFF** Test #642-384

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

Advanced Specialization

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED UNIFIED COMMUNICATIONS				
AM	**CSE** Certification	**Cisco Advanced IPC Sales Specialist**	**AUCAM** Advanced Unified Communications Account Manager Cisco Lifecycle Services Express	**AUCAM** Test #646-230 **LCSE** Test #650-393
SE	**CCDA** Certification	**Cisco IPC Design Specialist**	**UCAD** Cisco UCs Architecture & Design **QOS** Cisco Quality of Service Cisco Lifecycle Services for Advanced UC	**UCAD** Test #642-415 **QOS** Test #642-642 **LCSAUC** Test #650-251
FE	**CCVP** Certification		Cisco Lifecycle Services for Advanced Unified Communications	**LCSAUC** Test #650-251
Weitere Anforderungen*				
	None	**Cisco Unified Contact Center Express Specialist**	**UCCXD** Unified Contact Center Express & Unified IP IVR Deployment	**UCCX** Test #642-165
	CCDA Certification	**Cisco Unity Design Specialist**	**CUDN** Cisco Unity Design & Networking **IUM** Implementing Cisco Unified Messaging	**CUDN** Test #642-072
	MCSE Messaging on Windows Server 2003 recommended	**Cisco Unity Support Specialist**	**IUC** Implementing Cisco Unity Connection	**IUC** Test #642-262
	CCNA Certification	**Cisco Rich Media Communications Specialist**	**ICRMC** Implementing Cisco IP Video Conference Rich Media Communications **CVOICE** Implementing Cisco Voice Communications & QoS	**CRMC** Test #642-481 **CVOICE** Test #642-436

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

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

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED SECURITY				
AM	**CSE** Certification	**Cisco Security Sales Specialist**	**ASAM** Advanced Security for Account Managers	**ASAM** Test #646-578
SE	**CCDA** Certification	**Cisco Security Solutions & Design Specialist**	**SSSE** Security Solutions for System Engineers	**SSSE** Test #642-583
FE	**CCSP** or **CCIE Security** Certification	**Cisco Web Security Field Engineer Specialist**	**WSCPT** Web Security for Channel Partners Lifecycle Services Advanced Security	**WSFE** Test #650-568 **LCSAS** Test #650-575

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



CONTACT US.

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

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

Programme Cisco Channel Partner: Spécialisation par formation

Spécialisations optionnelles

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

Job Role	Prerequisites	Cisco Career Certification	Recommended Training	Test
ADVANCED DATA CENTER STORAGE NETWORKING				
AM	**CSE** Certification	**Cisco Data Center Networking Sales Specialist**	**DCNSS** Data Center Networking Solution Sales	**DCNSS** Test #646-985
SE	None	**Cisco Data Center Storage Networking Design Specialist**	**DCSNS** Designing Cisco Storage Networking Solutions	**DCSNS** Test #642-357
FE	None	**Cisco Data Center Storage Networking Support Specialist**	**ICSNS** Implementing Cisco Storage Networking Solutions **IASNS** Implementing Advanced Cisco Storage Networking Solutions	**ICSNS** Test #642-359

Spécialisation Master

La spécialisation Cisco Master est destinée à un groupe de partenaires experts possédant les compétences technologiques les plus évoluées et ayant démontré avec succès leur capacité à vendre, déployer et fournir des services pour des solutions Cisco les plus sophistiquées. Seuls les partenaires possédant une expérience hautement qualifiée dans une technologie donnée peuvent atteindre la spécialisation Master, indépendamment de leur niveau de qualification antérieure. De plus, la spécialisation Master fournit aux partenaires un niveau de distinction supérieure, les aidant à promouvoir leur expertise dans leur champ d'activité. Cisco propose actuellement la spécialisation Master Unified Communication et la spécialisation Master Security. Pour obtenir une spécialisation Master, nos partenaires doivent atteindre le niveau de spécialisation Advanced dans cette technologie. Ils doivent ensuite remplir des conditions rigoureuses comme preuves de leurs compétences et avoir de bons antécédents auprès de leurs clients dans les trois domaines suivants:

- Compétence commerciale : aptitudes à la vente, investissements dans la force de vente, connaissance des produits et des solutions, capacité de déploiement des solutions Cisco et références clients incluant le déploiement de solutions et de services Cisco.
- Compétence technique : personnel technique complémentaire, comprenant des certifiés CCIE additionnels.
- Compétence en termes de services et de conseil : capacité à fournir une évaluation des services tout au long de la préparation, la planification, la conception, la mise en place, le fonctionnement et l'optimisation de l'approche du cycle de vie des services Cisco; capacité à remplir les normes réglementaires ISO pour des services Cisco spécifiques.



CONTACTEZ-NOUS.

N'hésitez pas à nous contacter si vous souhaitez des renseignements supplémentaires sur les spécialisations Master de Cisco, nous vous répondrons dans les plus brefs délais. Vous pouvez nous joindre par téléphone au +33 (0)1 58 04 27 88 ou nous contacter par e-mail à l'adresse suivante : info@flane.fr

Cisco Routing & Switching Training

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 France

Sophia Antipolis	10.01.-14.01.11	Lyon	18.04.-22.04.11
Toulouse	10.01.-14.01.11	Rennes	18.04.-22.04.11
Paris	17.01.-21.01.11	Paris	02.05.-06.05.11
Lyon	17.01.-21.01.11	Toulouse	02.05.-06.05.11
Rennes	17.01.-21.01.11	Sophia Antipolis	09.05.-13.05.11
Sophia Antipolis	31.01.-04.02.11	Lyon	06.06.-10.06.11
Paris	07.03.-11.03.11	Rennes	06.06.-10.06.11
Sophia Antipolis	07.03.-11.03.11	Paris	13.06.-17.06.11
Toulouse	07.03.-11.03.11	Sophia Antipolis	13.06.-17.06.11
Lyon	14.03.-18.03.11	Toulouse	13.06.-17.06.11
Rennes	14.03.-18.03.11	Paris	22.08.-26.08.11
Toulouse	28.03.-01.04.11	Paris	03.10.-07.10.11
Sophia Antipolis	04.04.-08.04.11	Paris	14.11.-18.11.11
		Paris	12.12.-16.12.11

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 France

Toulouse	17.01.-21.01.11	Sophia Antipolis	02.05.-06.05.11
Paris	24.01.-28.01.11	Toulouse	09.05.-13.05.11
Sophia Antipolis	24.01.-28.01.11	Paris	23.05.-27.05.11
Lyon	24.01.-28.01.11	Paris	23.05.-27.05.11
Rennes	24.01.-28.01.11	Lyon	23.05.-27.05.11
Toulouse	07.02.-11.02.11	Sophia Antipolis	06.06.-10.06.11
Sophia Antipolis	14.02.-18.02.11	Toulouse	06.06.-10.06.11
Paris	21.03.-25.03.11	Paris	27.06.-01.07.11
Lyon	21.03.-25.03.11	Sophia Antipolis	27.06.-01.07.11
Rennes	21.03.-25.03.11	Paris	05.09.-09.09.11
Sophia Antipolis	28.03.-01.04.11	Paris	17.10.-21.10.11
Toulouse	28.03.-01.04.11	Paris	21.11.-25.11.11

Implementing Cisco IP Routing (ROUTE)

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

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



COURSE CONTENT
- Planning Routing Services to Requirements
- Implementing an EIGRP based Solution
- Implementing a Scalable Multiarea Network OSPF Based Solution
- Implement an IPv4-based Redistribution Solution
- Implementing Path Control
- Connecting an Enterprise Network to ISP Networks

SCHEDULE France

Lyon	10.01.-14.01.11	Sophia Antipolis	11.04.-15.04.11
Rennes	10.01.-14.01.11	Toulouse	02.05.-06.05.11
Sophia Antipolis	17.01.-21.01.11	Lyon	16.05.-20.05.11
Toulouse	24.01.-28.01.11	Rennes	16.05.-20.05.11
Paris	31.01.-04.02.11	Paris	06.06.-10.06.11
Paris	14.03.-18.03.11	Toulouse	13.06.-17.06.11
Sophia Antipolis	14.03.-18.03.11	Sophia Antipolis	13.06.-17.06.11
Lyon	28.03.-01.04.11	Paris	12.09.-16.09.11
Rennes	28.03.-01.04.11	Paris	28.11.-02.12.11

Interconnecting Cisco Network Devices: Accelerated (CCNAX)

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

Accelerated preparation for CCNA (Cisco Certified Network Associate) certification

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Implementing Cisco IP Switching (SWITCH)

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

PREREQUISITES

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

COURSE CONTENT

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



SCHEDULE France

Toulouse	31.01.-04.02.11	Toulouse	18.04.-22.04.11
Paris	07.02.-11.02.11	Sophia Antipolis	23.05.-27.05.11
Sophia Antipolis	07.02.-11.02.11	Lyon	13.06.-17.06.11
Lyon	07.02.-11.02.11	Rennes	13.06.-17.06.11
Rennes	07.02.-11.02.11	Paris	20.06.-24.06.11
Paris	28.03.-01.04.11	Sophia Antipolis	20.06.-24.06.11
Sophia Antipolis	04.04.-08.04.11	Toulouse	20.06.-24.06.11
Lyon	04.04.-08.04.11	Paris	26.09.-30.09.11
Rennes	04.04.-08.04.11	Paris	05.12.-09.12.11

Troubleshooting & Maintaining Cisco IP Networks (TSHOOT)

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

PREREQUISITES

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

SCHEDULE France

Lyon	31.01.-04.02.11	Sophia Antipolis	02.05.-06.05.11
Rennes	31.01.-04.02.11	Toulouse	16.05.-20.05.11
Paris	28.02.-04.03.11	Sophia Antipolis	27.06.-01.07.11
Sophia Antipolis	28.02.-04.03.11	Lyon	27.06.-01.07.11
Toulouse	07.03.-11.03.11	Rennes	27.06.-01.07.11
Sophia Antipolis	28.03.-01.04.11	Toulouse	27.06.-01.07.11
Paris	04.04.-08.04.11	Paris	04.07.-08.07.11
Lyon	18.04.-22.04.11	Paris	10.10.-14.10.11
Rennes	18.04.-22.04.11	Paris	12.12.-16.12.11

COURSE CONTENT

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

CCNP Power Workshop (CCNPPW)

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

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

CCIE Routing & Switching Theory Workshop (CCIET)

Exam Voucher included!

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

COURSE CONTENT

- Implement Layer 2 Technologies
- Implement IPv4
- Implement IPv6
- Implement MPLS Layer 3 VPNs
- Implement IP Multicast
- Implement Network Security
- Implement Network Services
- Implement Quality of Service (QoS)
- Troubleshoot a Network
- Optimize the Network
- Evaluate proposed changes to a Network



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco 360 Learning Program: CCIE Routing & Switching

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

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



Cisco Internetwork Expert Routing & Switching 1 (CIERS1)

60% lecture and 40% hands-on lab exercises

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

COURSE CONTENT

The following topics are covered in this workshop

- Frame-Relay
- Cisco Catalyst 3550/3560 Essentials (port assignment, trunking, VTP, EtherChannel, Layer 3 Connectivity and Spanning Tree)
- IGPs (OSPF, EIGRP and RIPv2)
- Redistribution
- BGP
- IP Multicast
- IPv6
- Router and Cisco Catalyst 3560 QoS

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

Cisco Internetwork Expert Routing & Switching 2 (CIERS2)

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

Cisco Professionals Troubleshooting (CPT)

80% Hands-on Training!

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

PREREQUISITES
- CCNP certification or comparable experience

COURSE CONTENT
- Troubleshooting Models
- Trouble Tickets
- Troubleshooting with IOS Features
- OSI Layer 2: Ethernet; Switching; VLANs; Trunks; Spanning Tree; Frame Relay; PPP
- OSI Layer 3: IP; IPv6; Route Maps; NAT/PAT; ACLs; Routing Protocols (OSPF, EIGRP, BGP); Redistribution
- Remote Access (IPSec, VPN)
- Quality of Service
- Transport Layer (TCP, UDP)
- Application Layer (DHCP, DNS, HTTP)



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Routing & Switching Solutions for System Engineers (RSSSE)

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

PREREQUISITES
- CCDA certification or comparable experience

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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 France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco EnergyWise Workshop (EWF)

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

PREREQUISITES
- None

COURSE CONTENT
- Cisco Borderless Networks Introduction
- Business Energy Management
- Cost Savings with Cisco EnergyWise
- Cisco EnergyWise Functionality
- Cisco EnergyWise Management
- Cisco EnergyWise Orchestrator Functionality



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Catalyst 6500 Training

Advanced Catalyst 6500 Switching (CAT6KS)

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

PREREQUISITES
- CCNP certification or comparable experience

COURSE CONTENT
- Options and Hardware available for the Catalyst 6500 Switches: Chassis, Line Card, Supervisor, MSFC, PFC, SFM, DFC, Power Supplies, Architecture, Service Modules Overview
- Virtual Switching System 1440 Architecture, Operation and Configuration
- Deploying and Examining IOS Software Modularity
- Recovering the Supervisor Password
- Managing and Upgrading IOS on Catalyst 6500
- VLAN Enhancements: VTP and Trunk Configuration Guidelines and Restrictions
- Spanning Tree, Rapid and Multiple Spanning-Tree Operation
- Spanning-Tree Enhancements: BPDU Guard and Filter, Root Guard, Loop Guard, PortFast, UplinkFast, BackboneFast
- Using Unidirectional Link Detection
- Using EtherChannel including MultiChassis EtherChannel in VSS mode
- Configuring NetFlow and NDE
- Understanding and Implementing Catalyst 6500 QoS options
- Deploying and Examining Embedded Event Manager
- Utilizing Automated Diagnostics
- Implementing SPAN, RSPAN, and ERSPAN
- Implementing High Availability Features (HSRP, FHRP, VRRP,GLBP)
- Implementing Catalyst 6500 Stateful Switchover options
- Network Security Enhancements



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

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

COURSE CONTENT
- Catalyst 6500 Family and overview over Advanced Services Modules
- Firewall Services
- Configuration of the switch for the FWSM
- Implementing the FWSM
- Translations and Connections
- Access Control Lists and Content Filtering
- Grouping of objects
- IP Routing
- Cisco Modular Policy Framework
- Advanced Protocol Handling
- Transparent Firewall Mode
- Cisco Adaptive Security Device Manager
- Authentication, Authorization and Accounting
- Deployment of the FWSM within multiple contexts
- Failover
- FWSM Management
- Site-to-Site and Remote Access VPN for FWSM Remote Management
- FWSM Troubleshooting
- Cisco Security Manager



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Multivendor Data Center Training

Virtual Dynamic Data Center (VDDC)

ID FL-VDDC **Price** 590,00 EUR/950,00 CHF (excl. VAT) **Duration** 1 Day



PREREQUISITES

- Basic knowledge about networking, virtualization and storage

COURSE CONTENT

- Data Center of the Future with Cisco, NetApp and VMware
- Data Center Strategy: Consolidation, Virtualization, Integration, Automation
- Customers Requirements
- Cisco Data Center 3.0
- Unified Fabric Concept
- Dynamic Data Center (DDC): NetApp Unified Storage & Cisco Unified Computing
- Virtualization (Server and Desktop with VMware, Storage with NetApp), Cloud Infrastructures
- Market Trends

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Implementing Secure Multi-Tenancy Solutions (ISMT)

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



PREREQUISITES

- Intermediate knowledge in switching, routing, data center architecture and protocols, VMware ESX server virtualization and vSphere, NetApp storage, backup and disaster recovery technologies

COURSE CONTENT

- Understanding Secure Multi-Tenant Environments
- Introduction to the Cisco Unified Computing System (UCS)
- Compute Node Connectivity
- Cisco Unified Computing System Manager
- Cisco Unified Computing System Maintenance
- Configuring NetApp Storage in a Multi-Tenant Environment
- Storage High Availability, Backup and Disaster Recovery in a Multi-Tenant Environment
- Managing Data on NetApp MultiStore
- NetApp MultiStore Management Tools
- NetApp MultiStore Performance and Troubleshooting
- Configuring the VMware Virtualized Environment
- VMware Virtual Networking
- VMware High Availability and Security in a Multi-Tenant Environment
- Integration: Putting It All Together

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Multivendor Data Center Training

Implementing Vblock (VBLOCK-TECH)

ID FL-VBLOCK-TECH **Price** 3.490,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

- Intermediate knowledge in switching, routing, data center architecture and protocols, VMware ESX server virtualization and vSphere, EMC² storage, backup and disaster recovery technologies

COURSE CONTENT

- Data Center
  - Data Center Challenges
  - Data Center Solutions
  - Vblock Architecture
  - Differences between the 3 Vblocks (0, 1, 2)
- Cisco Unified Computing System (UCS)
  - Introduction to the UCS System
  - Compute Node Connectivity
  - Cisco Unified Computing System Manager
  - Cisco Unified Computing System Maintenance
- EMC² Storage
  - EMC² Storage Portfolio: Celerra ('Vblock 0'), Clariion ('Vblock 1'), Symmetrix ('Vblock 2')
  - Configuring EMC² Storage
  - EMC² Storage High Availability, Backup and Disaster Recovery Options
  - Managing Data on EMC² Storage
  - EMC² Storage Management Tools
  - EMC² Storage Performance and Troubleshooting
- VMware vSphere
  - Configuring the VMware Virtualized Environment
  - VMware Virtual Networking
  - VMware High-Availability and Security



SCHEDULE France

Paris	27.06.-01.07.11	Paris	28.11.-02.12.11

Selling Vblocks (VBLOCK-SALES)

ID FL-VBLOCK-SALES **Price** 990,00 EUR (excl. VAT) **Duration** 1 Day

PREREQUISITES

- Good understanding of the Data Center environment and the challenges and solutions found within that environment

COURSE CONTENT

- The Virtual Computing Environment
  - The VCE Coalition (Cisco, VMware and EMC)
  - Intel and Acadia
  - Why did they get together
  - What are they delivering
  - What is of Benefit to the Customer
- What is Vblock?
  - The Vblock Architecture
  - Vblock Components (vCenter, Nexus, VN-Link, etc.)
  - Flavours of Vblock (0, 1 & 2)
  - Relationship to Cisco UCS
  - Why is it of interest to customers
  - What challenges is it addressing
  - What benefits will the customer see
- Selling Vblocks
  - Who is our target demographic: Geographic markets, vertical markets, customer profile
  - Who do we approach
  - What is our messaging
  - Who/What is the Competition and why can we beat them: Vblock SWOT Analysis, compare and contrast other solutions
  - Supporting a Sale
  - Sales & Marketing Tools

SCHEDULE France

Paris	24.06.11	Paris	02.09.11
		Paris	25.11.11

VMware vSphere™ and Cisco Nexus 1000V Integration

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

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

PREREQUISITES

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

COURSE CONTENT

- Overview of the Nexus 1000 VEM and VSM
- Network Virtualization and consolidation in Data Center Bridging Networks
- Upgrading VMware deployments
- Data Center Application High-Availability
- Nexus 1000 VEM (NX-OS) Features and Switching Mechanisms
- Deploying distributed virtual switches to simplify datacenter-wide network management
- Migrating virtual machines' storage while they are live with Storage vMotion
- Growing virtual disks and VMFS volumes while they are live
- Employing VMware's new Pluggable Storage Architecture
- Ensuring application availability with VMware Fault Tolerance
- Use the new host profiles feature to keep hosts uniformly configured
- Saving energy with VMware Distributed Power Management
- Saving disk space with thin provisioning
- NIV on ESX using Cisco Nexus switches
- Virtual Machine Policy-based Connectivity and Mobility
- Utilize Cisco NX-OS based End-to-End QoS Concepts and Enforcement
- Configure the Nexus 1000V System Management and Monitoring Features
- Configure Virtual Machine Security Features Using the Nexus 1000V
- Save disk space with thin provisioning
- Administer virtual appliances consisting of more than one virtual machine



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

PREREQUISITES

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

COURSE CONTENT

- Install and configure ESX and vCenter Server
- Configure and manage ESX networking and storage using vCenter Server
- Deploy, manage and monitor VM and their resources
- Manage user access to the VMware infrastructure
- Increase scalability using vCenter Server
- Apply patches using VMware vCenter Update Manager
- Overview of the Nexus 1000 VEM and VSM
- Network Virtualization & consolidation in DC Bridging Networks
- Data Center Application High-Availability
- Nexus 1000 VEM (NX-OS) Features and Switching Mechanisms
- NIV on ESX using Cisco Nexus switches
- Virtual Machine Policy-based Connectivity and Mobility
- Utilize Cisco NX-OS based End-to-End QoS Concepts and Enforcement
- Configure the Nexus 1000V System Management and Monitoring Features
- Configure VM Security Features Using the Nexus 1000V
- Manage higher availability & data protection using vCenter Server

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Data Center Training

Data Center Architectural Overview (DCAO)

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

PREREQUISITES

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

COURSE CONTENT

- Data Center Architecture: Cisco Data Center 3.0 Architectures; Core, Aggregation and Access Layers; Redundant SAN Architecture; FCoE Overview; Unified I/O and Data Center Bridging (DCB); NX-OS and Management
- Nexus 7000 – Core Switch: Overview of Nexus 7010 and 7018; Nexus 7000 Supervisor and Linecards; Nexus 7000 Core Layer Deployment; Nexus 7000 Aggregation Layer Deployment; Aggregation Layer Services, ACE, FWSM, IDSM-2; VDC Operation and Management
- Nexus 5000 – Access Layer Switch: Overview of Nexus 5010 and 5020; Nexus 5000 Access Layer Deployment; TOR versus EOR switches; CNAs and server connectivity; VN-Tag and VN-Link
- Nexus 2000 – Fabric Extender (FEX): Overview; Connecting Legacy Servers through the FEX
- Nexus 4000 – FCoE Blade Switch: Overview; Connecting legacy Blade Servers to the Nexus 5000
- Nexus 1000V: Virtual Server Overview; VMware Overview, Vmotion, DRS, HA; vSphere, vSwitch and DVS; Nexus 1000V Extended Access Layer; Deployment and Strategy; Nexus 1000V Architecture, VSM, VEM and DVS; Nexus 1000V Management
- Unified Computing System: UCS Overview; UCS Architecture and Deployment; Service Profiles; UCS Manager; BMC Bladelogic and Service Orchestration
- Case Study – Building a Data Center with Nexus and UCS



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Nexus Overview Workshop (CNOW)

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

PREREQUISITES

- CCNA Certification or equivalent knowledge

COURSE CONTENT

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









SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Data Center Unified Computing Design (DCUCD)

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

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

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



SCHEDULE France

Paris	04.04.-08.04.11	Paris	05.12.-09.12.11

Data Center Unified Computing Implementation (DCUCI)

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

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



COURSE CONTENT
- Understanding how Cisco UCS Benefits Today's Data Center
- Cisco's Unified Computing System: UCS Hardware Components & UCS Features
- Understanding User Management
- Understanding the Chassis Array Manager (CAM) Conceptual Overview
- Explaining the Implementation of Server Resources via the Unified Computing System
- Maintaining a Cisco Unified Computing System
- Monitoring, Diagnostics & Troubleshooting the Cisco Unified Computing System
- Designing Cisco Unified Computing System Deployment

SCHEDULE France

Paris	07.03.-11.03.11	Sophia Antipolis	23.05.-27.05.11
Sophia Antipolis	07.03.-11.03.11	Paris	13.06.-17.06.11
		Paris	14.11.-18.11.11

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 Availabilty; Network Management; Security Overview; QoS implementation on NX 7010; Cisco Nexus 7010 position in the DC network
- Cisco Nexus 5000 Switch: Introduction to Fibre Channel over Ethernet (FCoE); Introduction to Cisco Nexus 5000 Switch; Cisco Nexus 5000 Switch Design Overview
- Data Center Design: Overview; Data Center Application Design



SCHEDULE France

Sophia Antipolis	28.03.-01.04.11	Sophia Antipolis	11.04.-15.04.11
		Paris	20.06.-24.06.11

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 France

Sophia Antipolis	31.01.-04.02.11	Paris	02.05.-06.05.11
Paris	28.02.-04.03.11	Sophia Antipolis	02.05.-06.05.11
Sophia Antipolis	28.02.-04.03.11	Sophia Antipolis	06.06.-10.06.11
		Paris	19.09.-23.09.11

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)

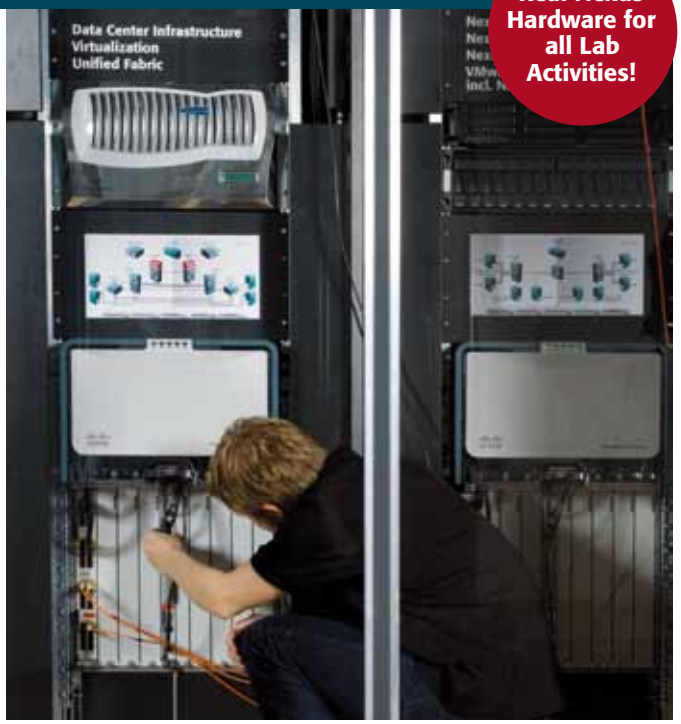
ID CI-DCNI-2 **Price** 2.990,00 EUR (excl. VAT) **Duration** 5 Days

PREREQUISITES

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

COURSE CONTENT

- Using the Cisco Nexus 7000 in Data Center Networks
  - Understanding the Cisco Nexus 7000 Series Switches
  - Overview of the Cisco Nexus 7000
  - Introducing the Virtual Device Contexts in the Cisco Nexus 7000
  - Managing the Cisco Nexus 7000
  - Cisco Nexus 7000 & Cisco NX-OS Layer 2 Protocols & Features
  - Cisco Nexus 7000 & Cisco NX-OS Layer 3 Protocols & Features
  - Cisco Nexus 7000 & Cisco NX-OS Quality of Service
  - Cisco Nexus 7000 & Cisco NX-OS Security
  - Troubleshooting
- Using the Cisco Nexus 5000 & 2000 in Data Center Networks
  - Overview of the Cisco Nexus 5000 & Cisco Nexus 2000
  - Understanding Fibre Channel
  - Implementing an FCoE Network Using Cisco Nexus 5000 Switches



Real Nexus Hardware for all Lab Activities!

SCHEDULE France

Sophia Antipolis	21.03.-25.03.11	Sophia Antipolis	16.05.-20.05.11
Paris	28.03.-01.04.11	Paris	03.10.-07.10.11
Paris	16.05.-20.05.11	Paris	28.11.-02.12.11

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

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

PREREQUISITES

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

COURSE CONTENT

- Modern Server Architecture Scalability & Consolidation
- Network Virtualization & Consolidation in DC Bridging Networks
- Data Center Application High-Availability
- NIV on ESX using Cisco Nexus Hardware Switches
- Nexus 1000 VEM (NX-OS) Features & Functions
- Nexus 1000V Switching Mechanisms
- Overview of the Nexus 1000 VSM
- VM Policy-based Connectivity & Mobility using Nexus 1000V
- Utilize Cisco NX-OS based End-to-End QoS Concepts & Enforcement
- Configure the Nexus 1000V System Management & Monitoring Features
- Configure VM Security Features Using the Nexus 1000V

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

PREREQUISITES

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

COURSE CONTENT

- Fibre Channel Protocol Implementation on the Cisco Nexus 5000
- FCoE & DCB Protocols & their Applicability to a Unified Fabric Environment
- DCB/FCoE Network Design Considerations
- Configure the Nexus 5000 in Converged Network Environments
- Nexus 5000 System Hardware & Software Architecture
- Nexus 5000 Software Features & Licensing
- Configure Server Connectivity to the FCoE/DCB Network Using Converged Network Adapters
- Nexus 5000 High-Availability Features
- Configure the Nexus 5000 Management & Monitoring Features
- Nexus 2000 Hardware Architecture & Operational Features
- Relationship Between the Nexus 5000 & 2000 Product Families
- Configure Advanced Features Including Congestion Avoidance, Traffic Management, Static & Dynamic Pinning
- Utilize the Fabric & Device Manager Products to Perform Discovery, Configuration, Management & Troubleshooting



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Fiber Channel over Ethernet Overview (FCOE)

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

PREREQUISITES

- CCNA Certification or equivalent knowledge

COURSE CONTENT

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

PREREQUISITES

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

COURSE CONTENT

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

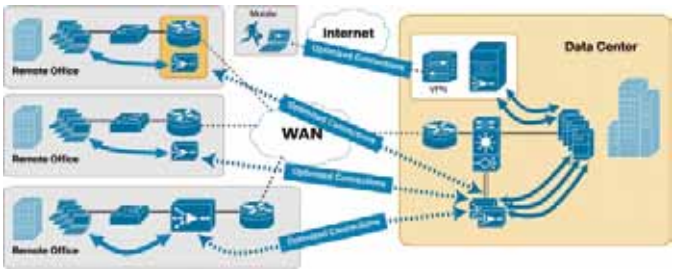
SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Wide Area Application Services (CWAAS)

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

PREREQUISITES
- CCNA certification or equivalent knowledge

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



SCHEDULE France

Paris	09.05.-13.05.11	Paris	21.11.-25.11.11

Implementing the Application Control Engine Service Module (ACESM)

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

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

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



SCHEDULE France

Valbonne	25.05.-28.05.10	Paris	20.07.-23.07.10
		Paris	14.12.-17.12.10

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 France
Planning européen disponible sur notre web : **www.flane.fr**

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 France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

COURSE CONTENT

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



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Implementing the Cisco ACE Appliance (ACEAP)

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

COURSE CONTENT

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

ACE XML Gateway Operations & Configuration (AXGOC)

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

COURSE CONTENT

- Application Security
- Introducing the ACE XML Gateway
- Deploying the ACE XML Gateway
- Securing Communications with SSL
- Message Level Security
- Advanced Deployment Options
- Troubleshooting the ACE XML Gateway



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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 France
Paris 21.03.-25.03.11

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)

SCHEDULE France
Paris 04.04.-08.04.11

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

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 France
Paris 04.07.-08.07.11

CCIE Storage Networking Power Workshop (CCIESAN)

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

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

CCIE Storage Networking Power Lab (CCIESANPL)

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

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Network Design Training

Designing for Cisco Internetwork Solutions (DESGN)

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

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

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 France
Sophia Antipolis 10.01.-14.01.11
Sophia Antipolis 09.05.-13.05.11
Paris 06.06.-10.06.11

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 France
Sophia Antipolis 20.06.-24.06.11

CCDE Written Exam Power Workshop (CCDEW)

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

CCDE Lab Exam Power Workshop (CCDEL5)

ID FL-CCDEL5 **Price** 3.690,00 EUR (excl. VAT) **Duration** 5 Days

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

Paris	14.03.-18.03.11	Paris	23.05.-27.05.11
Sophia Antipolis	21.03.-25.03.11	Sophia Antipolis	23.05.-27.05.11
		Paris	17.10.-21.10.11

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 France

Sophia Antipolis	07.03.-11.03.11	Sophia Antipolis	06.06.-10.06.11
Paris	21.03.-25.03.11	Paris	10.10.-14.10.11

Implementing Cisco MPLS (MPLS)

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

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

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

SCHEDULE France

Sophia Antipolis	07.02.-11.02.11	Sophia Antipolis	16.05.-20.05.11
Paris	16.05.-20.05.11	Paris	28.11.-02.12.11

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 France
Planning européen disponible sur notre web : **www.flane.fr**

MPLS Expert Workshop (MEWS)

Equipment Cisco 7200, 3600, 2800

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

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

COURSE CONTENT
- MPLS Traffic-Engineering
- MPLS QoS
- MPLS Layer 2 VPN Systems
- Inter AS-MPLS VPNV4 Peering
- MPLS Multicast
- MPLS Security
- MPLS IPv6

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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 France
Planning européen disponible sur notre web :**www.flane.fr**

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

SCHEDULE France

Paris	28.02.-04.03.11	Sophia Antipolis	13.06.-17.06.11
		Paris	17.10.-21.10.11

Designing Service Provider Cisco Quality of Service (SPQOS)

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

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

COURSE CONTENT
- Quality of Service structure
- Tools used within Cisco IOS to deploy and manage Quality of Service in complex networks
- Cisco QoS Baseline
- Identify and manage the QoS factors that directly affect Voice traffic, both for Call (bearer traffic) and Call Signaling
- Provision QoS for Interactive-Video and for Streaming Video
- Provision QoS for data traffic
- MPLS VPN services for full-mesh connectivity
- Three-Class, Four-Class and Five-Class QoS models with traffic priorities and classifications
- Concepts and features of SP SLA Requirements for applications within different traffic models
- Typical QoS configurations for Frame-Relay access

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco 12000 Series Technical Product Training (GSR)

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

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Configuring Routers for IS-IS (CISIS)

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

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Network Management Training

Implementing CiscoWorks LMS 3.0 (CWLMS)

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

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

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

SCHEDULE France
Paris 14.03.-18.03.11 Sophia Antipolis 16.05.-20.05.11

Cisco Security Training

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 France

Sophia Antipolis	07.03.-11.03.11	Toulouse	24.04.-28.04.11
Paris	14.03.-18.03.11	Toulouse	13.06.-17.06.11
		Paris	12.09.-16.09.11

Securing Networks with Cisco Routers & Switches (SECURE)

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

PREREQUISITES

- Cisco Certified Network Associate (CCNA) certification or equivalent knowledge
- Cisco Certified Network Associate Security (CCNA Security) certification or equivalent knowledge
- Working knowledge of the Microsoft Windows operating system

COURSE CONTENT

- Deploying Cisco IOS Software Network Foundation Protection
- Deploying Cisco IOS Software Threat Control and Containment
- Deploying Cisco IOS Software Site-to-Site Transmission Security
- Deploying Secure Remote Access with Cisco IOS Software



SCHEDULE France

Paris	07.02.-11.02.11	Sophia Antipolis	14.03.-18.03.11
Sophia Antipolis	14.02.-18.02.11	Paris	10.10.-14.10.11

Deploying Cisco ASA Firewall Features (FIREWALL)

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

PREREQUISITES
- Cisco Certified Network Associate (CCNA) certification or equivalent knowledge
- Cisco Certified Network Associate Security (CCNA Security) certification or equivalent knowledge
- Working knowledge of the Microsoft Windows operating system



COURSE CONTENT
- Introducing the Cisco ASA Adaptive Security Appliance
- Implementing Basic Connectivity and Device Management
- Deploying Cisco ASA Adaptive Security Appliance Access Control Features
- Deploying Cisco ASA Adaptive Security Appliance Network Integration Features
- Deploying Cisco ASA Adaptive Security Appliance Virtualization and High Availability Features
- Integrating Cisco ASA Adaptive Security Appliance Security Service Modules

SCHEDULE France

Paris	07.03.-11.03.11	Paris	26.09.-30.09.11
Sophia Antipolis	07.03.-11.03.11	Paris	05.12.-09.12.11

Deploying Cisco ASA VPN Solutions (VPN)

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

PREREQUISITES
- Cisco Certified Network Associate (CCNA) certification or equivalent knowledge
- Cisco Certified Network Associate Security (CCNA Security) certification or equivalent knowledge
- Working knowledge of the Microsoft Windows operating system

COURSE CONTENT
- Evaluating the Cisco ASA Adaptive Security Appliance VPN Subsystem
- Deploying Cisco ASA Adaptive Security Appliance IPsec VPN Solutions
- Deploying Cisco ASA Adaptive Security Appliance AnyConnect Remote Access VPN Solutions
- Deploying Cisco ASA Adaptive Security Appliance Clientless Remote Access VPN Solutions
- Deploying Advanced Cisco ASA Adaptive Security Appliance VPN Solutions



SCHEDULE France

Sophia Antipolis	07.02.-11.02.11	Paris	09.05.-13.05.11
Sophia Antipolis	21.03.-25.03.11	Paris	21.11.-25.11.11

Implementing Cisco Intrusion Prevention System (IPS)

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

PREREQUISITES
- Cisco Certified Network Associate (CCNA) certification or equivalent knowledge
- Cisco Certified Network Associate Security (CCNA Security) certification or equivalent knowledge
- Working knowledge of the Microsoft Windows operating system

COURSE CONTENT
- Introduction to Intrusion Prevention and Detection, Cisco IPS Software, and Supporting Devices
- Installing and Maintaining Cisco IPS Sensors
- Applying Cisco IPS Security Policies
- Adapting Traffic Analysis and Response to the Environment
- Managing and Analyzing Events
- Deploying Virtualization, High Availability, and High Performance Solutions
- Configuring and Maintaining Specific Cisco IPS Hardware



SCHEDULE France

Sophia Antipolis	31.01.-04.02.11	Sophia Antipolis	06.06.-10.06.11
Paris	23.05.-27.05.11	Sophia Antipolis	20.06.-24.06.11
		Paris	12.12.-16.12.11

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

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

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

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



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Implementing Cisco NAC Appliance (CANAC)

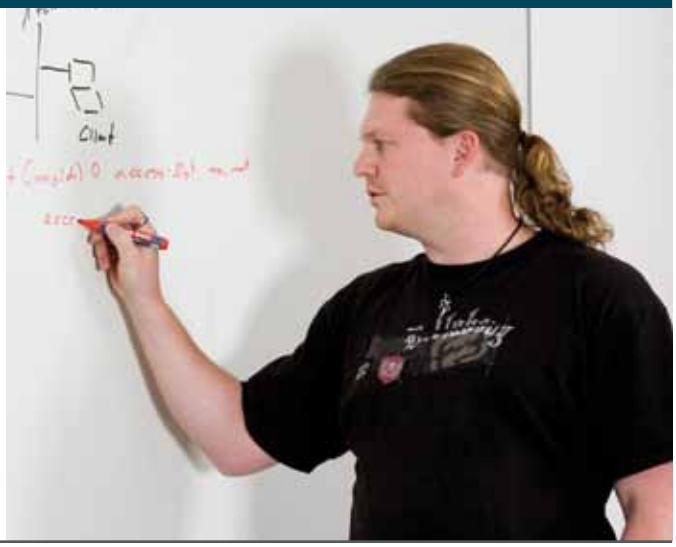


ID CI-CANAC **Price** 1.690,00 EUR (excl. VAT) **Duration** 3 Days

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 France
Sophia Antipolis 30.05.-02.06.11



Implementing Cisco Network Admission Control (NAC)

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

PREREQUISITES
- Certification as a CCSP or the equivalent knowledge

COURSE CONTENT
- Implementing Cisco NAC; Understanding Cisco NAC
- Configuring Cisco Secure ACS for Cisco NAC
- Configuring Cisco Routers for Cisco NAC
- Configuring Cisco Switches for Cisco NAC
- Configuring Cisco NAC Agents
- Configuring Wireless Access Points for Cisco NAC

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Unified Communications Training

Introducing Cisco Voice & Unified Communications (ICOMM)

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

PREREQUISITES

- Working knowledge of converged voice and data networks
- Basic knowledge of Cisco IOS gateways
- Basic knowledge of Cisco Unified Communications Manager and Cisco Unity Connection

COURSE CONTENT

- Overview of Cisco Unified Communications Solutions
- Overview of Administrator and End-User Interfaces
- Call Flows in Cisco Unified Communications Manager and Cisco Unified Communications Manager Express
- Endpoint and End User Administration
- Enablement of End User Telephony and Mobility Features
- Enablement of Cisco Unity Connection and Cisco Unified Presence
- Cisco Unified Communications Solutions Maintenance

SCHEDULE France

Sophia Antipolis	17.01.-21.01.11	Sophia Antipolis	11.04.-15.04.11
Toulouse	17.01.-21.01.11	Toulouse	11.04.-15.04.11
Paris	28.03.-01.04.11	Sophia Antipolis	27.06.-02.07.11
		Paris	05.09.-09.09.11

Implementing Cisco Unified Communications Voice over IP & QoS (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 including LANs, WANs, and IP switching and routing
- Ability to configure and operate Cisco IOS routers in IP environment at the CCNA level
- Basic knowledge of traditional voice, converged voice, and data networks at the CCNA Voice level

COURSE CONTENT

- Introduction to Voice Gateways
- VoIP Call Legs
- Cisco Unified Communications Manager Express Endpoints Implementation
- Dial Plan Implementation
- Gatekeeper and Cisco Unified Border Element Implementation



SCHEDULE France

Sophia Antipolis	10.01.-14.01.11	Sophia Antipolis	02.05.-06.05.11
Sophia Antipolis	14.02.-18.02.11	Paris	06.06.-10.06.11
Paris	28.02.-04.03.11	Sophia Antipolis	20.06.-24.06.11
Sophia Antipolis	14.03.-18.03.11	Paris	22.08.-26.08.11
		Paris	14.11.-18.11.11

Implementing Cisco Unified Communications Manager Part 1 (CIPT1)

ID CI-CIPT1 **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 protocols 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

- Introduction to Cisco Unified Communications Manager
- Administering Cisco Unified Communications Manager
- Enabling Single-Site On-Net Calling
- Single-Site Off-Net Calling
- Media Resources
- Feature and Application Implementation



SCHEDULE France

Sophia Antipolis	24.01.-28.01.11	Sophia Antipolis	18.04.-22.04.11
Paris	31.01.-04.02.11	Paris	09.05.-13.05.11
		Paris	19.09.-23.09.11

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 protocols 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

- Multisite Deployment Implementation
- Centralized Call-Processing Redundancy Implementation
- Bandwidth Management and CAC Implementation
- Implementation of Features and Applications for Multisite Deployments
- CCD

SCHEDULE France

Sophia Antipolis	21.02.-25.02.11	Sophia Antipolis	09.05.-13.05.11
Paris	21.03.-25.03.11	Paris	13.06.-17.06.11
		Paris	03.10.-07.10.11

CIPT 1 & 2 Power Workshop (CIPTPW)

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

COURSE CONTENT

The CIPT Power Workshop comprises the following courses: Implementing Cisco Unified Communications Manager Part 1 (CIPT1) und Implementing Cisco Unified Communications Manager Part 2 (CIPT2)

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Troubleshooting Cisco Unified Communications (TVOICE)

ID CI-TVOICE **Price** 2.790,00 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
- Working knowledge of Cisco Unified Communications Manager, Cisco Unified Communications features and applications, and Cisco IOS voice gateways in a single-site and multisite environment

COURSE CONTENT

- Introduction to Troubleshooting Cisco Unified Communications Solutions
- Cisco Unified Communications Manager Troubleshooting
- Troubleshooting Call Setup Issues
- SAF and CCD Issues
- Troubleshooting Cisco Unified Communications Manager Features and Application Issues
- Voice Quality and Media Resources Issues



SCHEDULE France

Paris	16.05.-20.05.11	Paris	28.11.-02.12.11

Integrating Cisco Unified Communications Applications (CAPPS)

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

- Working knowledge of converged voice and data networks
- Basic knowledge of Cisco IOS gateways
- Working knowledge of Cisco Unified Communications Manager and Cisco Unity Connection
- Cisco Certified Network Associate (CCNA) certification or equivalent knowledge



COURSE CONTENT

- Introduction to Voice Mail
- Cisco Unity Connection in a Cisco Unified Communications Manager Environment
- Cisco Unity Express Implementation in Cisco Unified Communications Manager Express Environment
- Voice Profile for Internet Mail Implementation
- Cisco Unified Presence Implementation

SCHEDULE France

Paris	20.06.-24.06.11	Paris	12.12.-16.12.11

CCNP Voice Power Workshop (CCNPVPW)

Inklusive Prüfungs-voucher!

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

COURSE CONTENT

The CCNP Voice Power Workshop comprises the following courses:

- Implementing Cisco Voice Communications and QoS (CVOICE)
- Implementing Cisco Unified Communications Manager Part 1 (CIPT1)
- Implementing Cisco Unified Communications Manager Part 2 (CIPT2)
- Troubleshooting Cisco Unified Communications (TVOICE)
- Integrating Cisco Unified Communications Applications (CAPPS)



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Unified Communications Advanced Troubleshooting (CUCAT)

More than 80% Lab Time!

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

PREREQUISITES

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

COURSE CONTENT

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



LABS

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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 France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

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

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



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Administering Cisco Unified Communications Manager 7.0 (ACUCM)

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

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



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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Unified Contact Center Training

Cisco Unified Contact Center Power Workshop (CUCCPW)

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

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

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



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

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

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

SCHEDULE France
Sophia Antipolis 18.04.-22.04.11

Unified Contact Center Express Advanced (UCCXA)

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

PREREQUISITES
- Unified Contact Center Express (UCCXD) course

COURSE CONTENT
- Session management
- Build Common Utilities
- Basic ACD Routing
- Common / Good Practices
- Database Setup / Steps
- Advanced ACD Routing
- Advanced ACD Callback Options
- Advanced Database Configuration
- Agent Desktop Configuration

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

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

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

PREREQUISITES

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

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

COURSE CONTENT

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

Cisco Unified Customer Voice Portal Implementation (CVPI)

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

PREREQUISITES

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

COURSE CONTENT

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



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**



Cisco Service Provider Voice Training

IP Transfer Point (ITP)

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

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

COURSE CONTENT
- Cisco ITP Generic Overview
- IOS Basics
- SS7 Overview
- SS7oIP Features & Functions
- Global Title Translation
- ITP Multi-Instances
- Gateway Screening
- Multi-Layer Routing
- ITP Maintenance, Monitoring and Troubleshooting
- M3UA and SUA
- High-Speed Signaling Links
- ITP MAP Proxy
- Distributed Short Message Router
- Designing an ITP Network Router

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco PSTN 2200 Gateway Basics (PGWB)

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

PREREQUISITES
- CCNA level of knowledge

COURSE CONTENT
- Intro to PGW
  - Introduction to SS7 networks
  - Platform Overview
- Provisioning tools
  - XECfgParm.dat
  - Voice Services Provisioning Tool (VSPT and CMNM)
  - Man Machine Language
- Provisioning SS7 side
  - SS7 Signaling
  - IP Transfer Point – Link Extender
  - Media Gateway
  - Traffic part
- Provisioning other legacy protocols
  - FAS and NFAS
  - DPNSS
- Provisioning VoIP side
  - Enhanced ISUP (EISUP)
  - H.323 Signaling Interface (H.323)
  - Session Initiation Protocol (SIP)
- Number Analysis
  - Dial Plan

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco PSTN 2200 Gateway Advanced Troubleshooting (PGWAT)

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

PREREQUISITES
- Cisco PGW2200 Basic (PGWB) course

COURSE CONTENT
- Troubleshooting PGW
  - MGC Toolkit
  - Advanced troubleshooting tools
  - Troubleshooting protocols in PGW system
  - Troubleshooting PGW components
- Interconnection Testing
  - MTP Level 2 testing, MTP Level 3 testing
  - ISUP basic call testing
  - End-to-end tests
- Dial Plan
  - Routing related Result Types
  - Digit Modification & Number Field Processing Result Types
  - Message Parameter Modification & More Info Requests
  - En-bloc & overlap signaling
  - Call & Cause Treatment Result Types
  - Database related Result Types
- Advanced features
  - M3UA and SUA over SCTP
  - NON-RAS mode
  - Lawful Intercept
- Billing and Measurement System:
  - Installing BAMS
  - Provisioning BAMS
  - Call Detail Records (CDRs)

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco TelePresence Training

TelePresence Power Workshop (TPBOOT)

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

PREREQUISITES

- Interconnecting Cisco Network Devices Part 1 (ICND1), Interconnecting Cisco Network Devices Part 2 (ICND2), Implementing Cisco Quality of Service (QOS), Implementing Cisco Unified Communications Manager Part 1 (CIPT1) courses

COURSE CONTENT

- Introduction to Cisco TelePresence: Exploring the Cisco TelePresence Solution; Exploring the Cisco TelePresence Environments; Planning a Cisco TelePresence Room Design
- Cisco TelePresence Planning and Assessment: Managing the Project and Product Order; Examining Room Readiness Requirements; Examining the Basics of Acoustics; Examining Lighting Basics; Examining Lighting Basics; Planning a Cisco TelePresence Room Design
- Physical Assembly and Logistics: Preparing for a Cisco TelePresence System Installation; Assembling the Cisco TelePresence Systems 3000 and 3200; Assembling the Cisco TelePresence Systems 500, 1000, 1100, and 1300; Installing Auxiliary Displays; Installing a Document Camera; Wiring; Tuning the Cisco TelePresence System
- Cisco TelePresence Call Control: Integrating Cisco TelePresence Endpoints with Cisco Unified Communications Manager; Examining the Cisco TelePresence User Interface
- Cisco TelePresence Network Architecture: Deploying a Cisco TelePresence Network; Shaping and Policing; Setting a QoS Policy; Designing WAN and Branch QoS Policies; Understanding the NPA; Using the VSAA
- Cisco TelePresence Extended System Features: Understanding the Cisco TelePresence Multipoint Switch; Exploring One-Button-to-Push Without Cisco TelePresence Manager; Examining Cisco TelePresence Interoperability; Working with the Cisco TelePresence Recording Server; Examining Intercompany Communications; Examining Cisco TelePresence Security

LABS

- Cisco TelePresence Demonstration to EBC (Optional)
- Assembling the Endpoint
- Using RRA Measuring and Test Equipment
- Performing an RRA Environmental Assessment
- Measuring RRA Acoustics and Illumination
- Programming the Codec
- Tuning the Cisco TelePresence Cameras and Testing Audio
- Registering the Cisco TelePresence Endpoint
- Completing a Cisco TelePresence Call Between Two Endpoints
- Performing an NPA Using VSAA
- Performing an NPA Using IP SLA
- Configuring the Cisco TelePresence Multipoint Switch
- Using the Cisco TelePresence Manager Prequalification Tool
- Configuring Cisco TelePresence Manager, Cisco UC Manager, and Microsoft Exchange Service Account
- Adding Users to Exchange
- Configuring Scheduled Meetings
- Enabling Cisco Unified Video Advantage
- Configuring the Cisco Unified Videoconferencing MCU with SIP
- Configuring the Cisco TelePresence Recording Server



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

TANDBERG Certified Engineer Level 1 (TCE1)

ID CI-TCE1 **Preis** 3.190,00 EUR (zzgl. MwSt.) **Dauer** 5 Tage

PREREQUISITES

- TelePresence Basics online course

COURSE CONTENT

- Endpoints: C-Series features, and options, operation, installation, configuration, maintenance and troubleshooting
- Call Control Level 1: VCS features and functions, registration, H.323 and SIP protocol and configuration, installation, interworking, FindMe fault finding, security, subzones, zones, neighboring, transforms, searching, firewall traversal zones, DNS, maintenance and clustering
- Management: TMS hardware and software requirements, installation, functions, features, zones, adding systems, permissions and phonebooks

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

TANDBERG Certified Engineer Level 2 (TCE2)

ID CI-TCE2 **Preis** 3.190,00 EUR (zzgl. MwSt.) **Dauer** 5 Tage

PREREQUISITES
- TANDBERG Certified Engineer Level 1 (TCE1) course

COURSE CONTENT
- MCUs: MCU-Series features and functions, operation, installation, configuration, firewall traversal to other H.460 devices, using the VCS as a TURN server, clustering, and administrator policy
- Call Control 2: VCS features and functions, registration, installation, and maintenance
- Provisioning: Using Provisioning to deploy Movi and E20
- Advanced Fault Finding: Advanced faultfinding the TANDBERG Solution in an H.323 and SIP environment



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Digital Media Suite (DMS) Training

Digital Media Suite (DMS)

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

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

COURSE CONTENT
- Overview of new features
- DMM installation and upgrade procedure
- Show and Share installation and upgrade procedure
- DMP hardware overview
- Touchscreen integration
- Administering the Digital Signage Module
- Proof of Play
- Digital Media Designer
- DMP Local storage setup
- Cisco Cast
- Cisco LCD setup and config
- Show & Share configuration
- DME 1100 & 2200 Configuration
- DMS authentication
- ACNS and WAAS integration



SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Academy of Digital Signage (ADS)

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

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

COURSE CONTENT
- Content Creation: best practices for creating high-definition, on-demand video, network-broadcasted and CCTV live video, multimedia and Web design, flash automations, still and animated images, text, dynamic content, modular designs
- Content Management: content control, organization, playlisting, scheduling, digital signage management, content rights and administration
- Content Distribution: best practices for content-delivery networking, store-and-forward, IP multicasting, content assessment, network and system readiness assessment, streaming video

SCHEDULE France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Unified MeetingPlace Training

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; Evalute 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 France
Planning européen disponible sur notre web : **www.flane.fr**

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 France
Planning européen disponible sur notre web : **www.flane.fr**

Cisco Wireless/Mobility Training

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

SCHEDULE France

Toulouse	10.01.-14.01.11	Sophia Antipolis	06.06.-10.06.11
Sophia Antipolis	17.01.-21.01.11	Toulouse	06.06.-10.06.11
Sophia Antipolis	04.04.-08.04.11	Paris	20.06.-24.06.11

COURSE CONTENT

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



CCNP Wireless Power Workshop (CCWP)

ID FL-CCWP **Price** 6.990,00 EUR (excl. VAT) **Duration** 10 Days

COURSE CONTENT

The CCNP Wireless Power Workshop comprises the following courses:

- Conducting Cisco Unified Wireless Site Survey (CUWSS)
- Implementing Advanced Cisco Unified Wireless Security (IAUWS)
- Implementing Cisco Unified Wireless Voice Networks (IUWVN)
- Implementing Cisco Unified Wireless Mobility Services (IUWMS)

SCHEDULE France
Planning européen disponible sur notre web : www.flane.fr



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 France
Planning européen disponible sur notre web : www.flane.fr



Cisco Wireless LAN Advanced Topics (CWLAT)

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



PREREQUISITES

- Cisco Wireless LAN Fundamentals (CWLF) course

COURSE CONTENT

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

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Cisco CWLF/CWLAT Power Workshop (CWLPW)

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

COURSE CONTENT

The Wireless LAN Power Workshop comprises the following courses:

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

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Cisco CCIE Wireless Written Power Workshop (CCIEWW)

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

COURSE CONTENT

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

SCHEDULE France Planning européen disponible sur notre web : www.flane.fr

Cisco CCIE Wireless Lab Power Workshop (CCIEWL)

90% Practice based!

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

COURSE CONTENT

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

SCHEDULE France Planning européen disponible sur notre web : www.flane.fr

Cisco Advanced Services Training

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

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



METRO ETHERNET
- Deploying & Maintaining Carrier Ethernet Services (DMCE)

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



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



SECURITY
- Building Enhanced Cisco Security Networks (BECSN)

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

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



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

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



WIRELESS LAN
- Cisco Unified Wireless Network for Data and Voice (CUWN-DVW)

Inscription au cours

Fast Lane

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