

Hands-on Cisco Training 2012

Borderless Networks

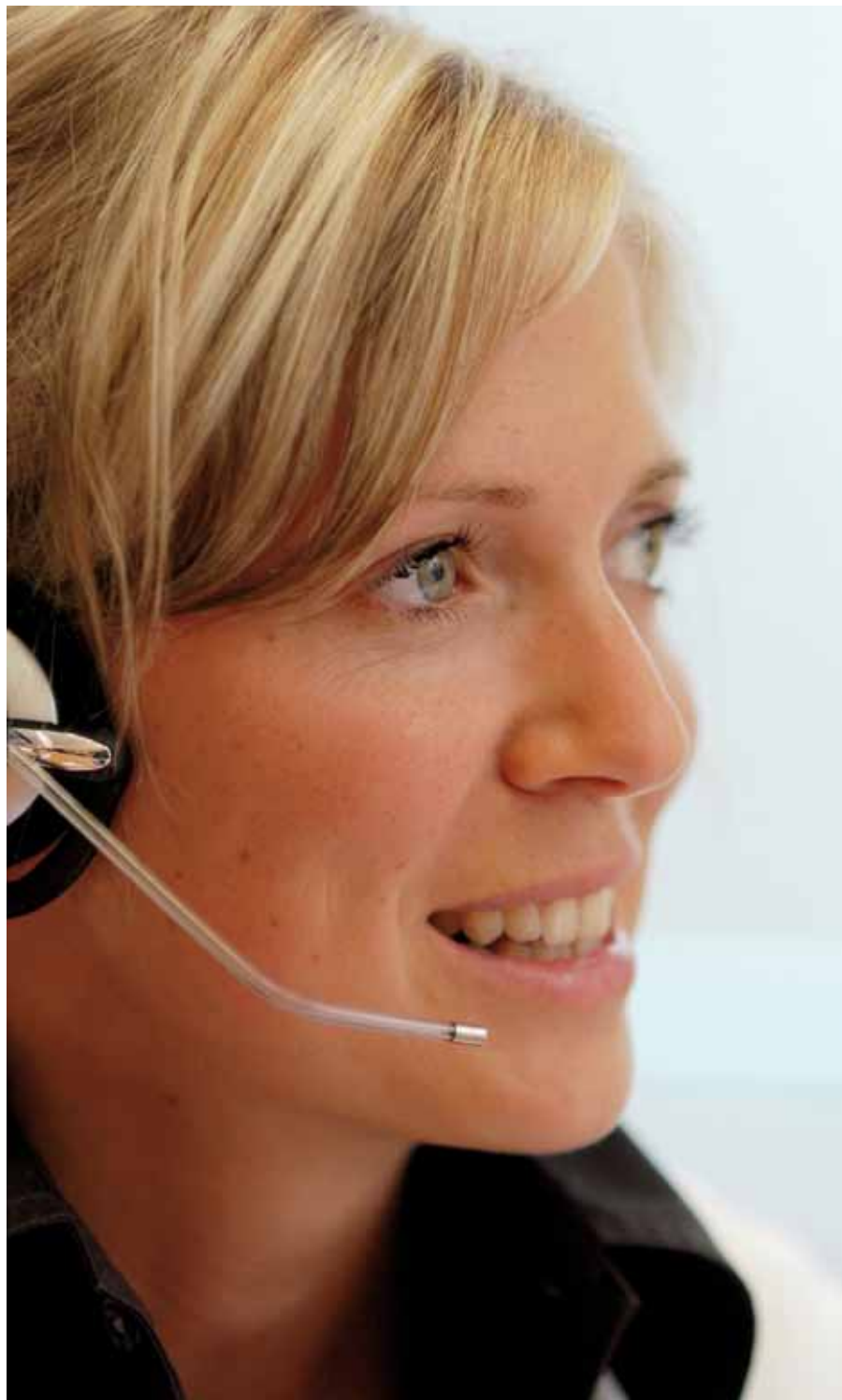
- Routing & Switching
- Communications & Services
- Security
- Unified Wireless

Data Center & Virtualisation

- Unified Computing
- Data Center Switching
- Storage Networking
- Application Networking
- Multi Vendor Data Center

Collaboration

- Unified Communications
- Unified Contact Center
- TelePresence
- Digital Media Suite (DMS)



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 2012 a pour objectif de vous aider à concevoir un programme de qualification IT adapté à vos besoins.

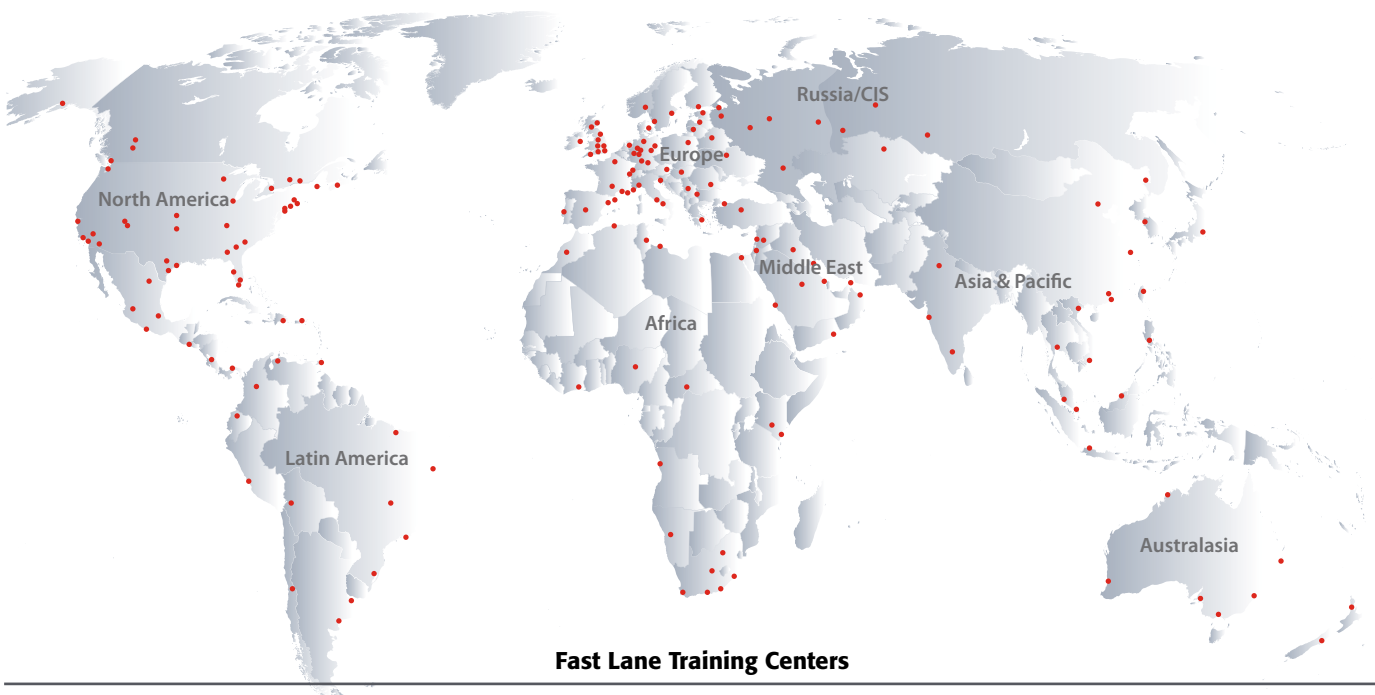
Nos offres de formation sont ainsi disponibles partout à travers le monde. Fast Lane est présent dans plus de 60 pays et sur chaque continent. La recette de notre succès est simple: chacune de nos actions est orientée vers la satisfaction de critères de qualité maximale. Notre système d'évaluation global 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
CEO & Chairman of the Board
Europe, Americas & Japan



Cisco Career Certifications

Borderless Networks

CISCO ROUTING & SWITCHING TRAINING

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

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Data Center & Virtualisation

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Collaboration

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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.



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 TéléPrésence, 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 Communications 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 Vidéo Surveillance**
- ✓ **Labs Sécurité**
- ✓ **Labs Unified Wireless Network**
- ✓ **Location de Labs 24/24h 7/7j**



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



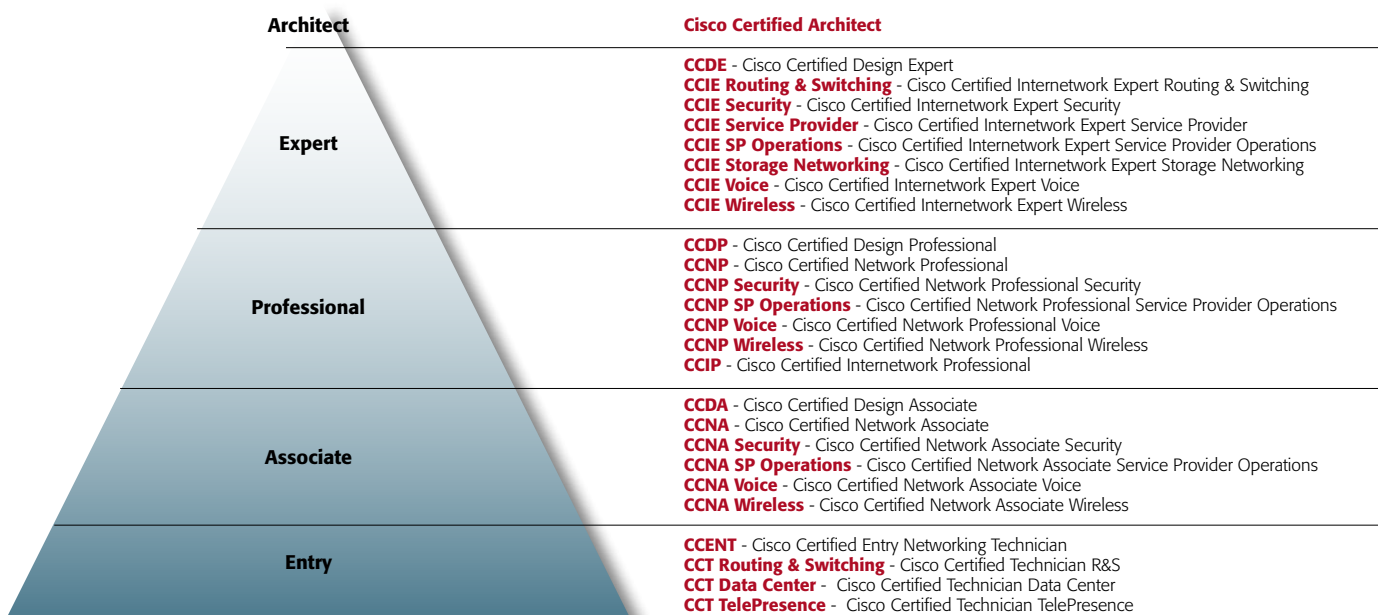
Wireless LAN



Cisco Career Certifications

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.

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



Cisco Specialist Certifications

Next to the general Cisco qualification programmes, Cisco Qualified Specialist certifications are available to demonstrate competence in specific technology areas, solutions, and/or job roles.

DATA CENTER CERTIFICATIONS

Data Center Networking Infrastructure

- Cisco Data Center Networking Infrastructure Design Specialist
- Cisco Data Center Networking Infrastructure Support Specialist
- Cisco Data Center Networking Sales Specialist



Data Center Application Services

- Cisco Data Center Application Services Design Specialist
- Cisco Data Center Application Services Support Specialist



Data Center Storage Networking

- Cisco Data Center Storage Networking Design Specialist
- Cisco Data Center Storage Networking Support Specialist



Data Center Unified Computing

- Cisco Data Center Unified Computing Design Specialist
- Cisco Data Center Unified Computing Support Specialist



ADVANCED ROUTING & SWITCHING CERTIFICATION

- Cisco Routing & Switching Field Specialist
- Cisco Routing & Switching Sales Specialist
- Cisco Routing & Switching Solutions Specialist



FOUNDATION FOR CHANNEL PARTNERS

- Cisco Express Foundation Design Specialist
- Cisco Express Foundation Field Specialist
- Cisco Express Foundation Sales Specialist



WIRELESS LAN CERTIFICATIONS

- Cisco Advanced Wireless LAN Design Specialist
- Cisco Advanced Wireless LAN Field Specialist
- Cisco Advanced Wireless LAN Sales Specialist



COLLABORATION CERTIFICATIONS

Contact Center

- Cisco IP Contact Center Express Specialist



IP Telephony

- Cisco Advanced IP Communications Sales Specialist
- Cisco IP Communications Express Sales Specialist
- Cisco IP Communications Express Specialist
- Cisco IP Telephony Design Specialist

Voicemail & Messaging

- Cisco Unified Presence Specialist
- Cisco Unity Design Specialist
- Cisco Unity Support Specialist



Video

- Cisco Rich Media Communications Specialist
- Cisco TelePresence Installations Specialist
- Cisco TelePresence Solutions Specialist

MeetingPlace

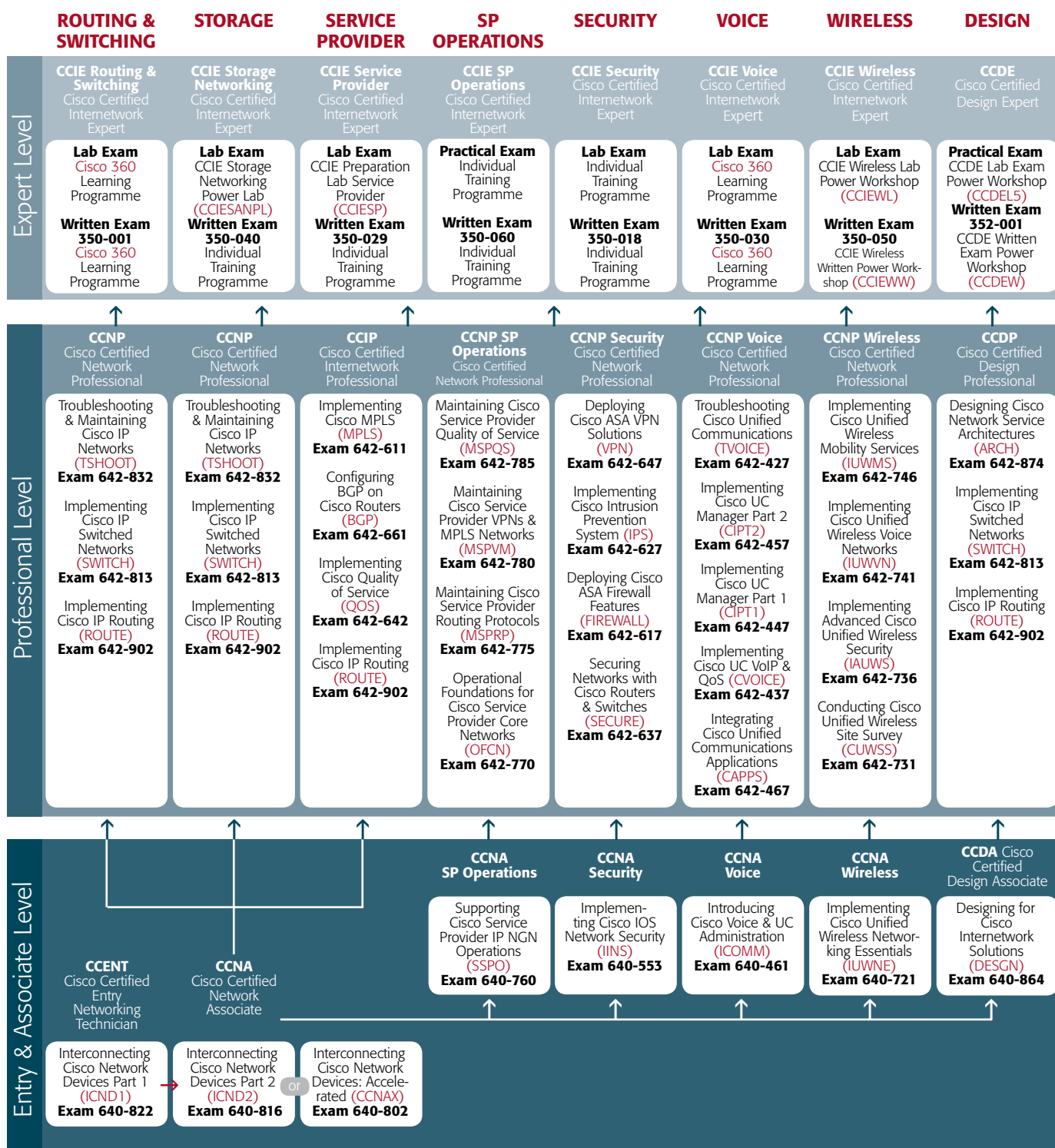
- Cisco MeetingPlace Design Specialist
- Cisco MeetingPlace Sales Specialist
- Cisco MeetingPlace Support Specialist



VPN & SECURITY CERTIFICATIONS

- Cisco ASA Specialist
- Cisco Firewall Security Specialist
- Cisco IOS Security Specialist
- Cisco IPS Specialist
- Cisco Network Admission Control Specialist
- Cisco Security Sales Specialist
- Cisco Security Solutions & Design Specialist
- Cisco VPN Security Specialist
- Cisco Web Security Field Engineer Specialist





Sales Certification

Pré-requis	Recommended Training	Jours	Prix	Test
CSE CISCO SALES EXPERT				
None	CSE Cisco Sales Essentials	3	1.490,00 EUR	CSE Exam #646-205

ADVANCED ROUTING & SWITCHING

Pré-requis	Recommended Training	Jours	Exam
CISCO ROUTING & SWITCHING FIELD SPECIALIST			
CCNP Certification	ARSFE Advanced Routing & Switching for Field Engineers CWAAS Cisco Wide Area Application Services	3 5	ARSFE Exam #642-067 WAASFE Exam #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 Exam #642-062 WAASSE Exam #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 Exam #646-046 WAASAM Exam #646-656

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

Pré-requis	Recommended Training	Jours	Exam
CISCO DATA CENTER APPLICATION SERVICES DESIGN SPECIALIST			
CCDA Certification	DCASD Designing Cisco Data Center Application Services	5	DCASD Exam #642-972
CISCO DATA CENTER APPLICATION SERVICES SUPPORT SPECIALIST			
CCNA Certification	DCASI Implementing Cisco Data Center Application Services	5	DCASI Exam #642-975
CISCO DATA CENTER NETWORKING INFRASTRUCTURE DESIGN SPECIALIST			
CCDA Certification	DCUFD Designing Cisco Data Center Unified Fabric	5	DCUFD Exam #642-991
CISCO DATA CENTER NETWORKING INFRASTRUCTURE SUPPORT SPECIALIST			
CCNP Certification	DCNI-1 Implementing Cisco Data Center Network Infrastructure 1 DCUFI Implementing Cisco Data Center Unified Fabric	5 5	DCNIS-1 Exam #642-973 DCUFI Exam #642-992
CISCO DATA CENTER NETWORKING SALES SPECIALIST			
CSE Certification	DCNSS Data Center Networking Solution Sales		DCNSS Exam #646-985
CISCO DATA CENTER STORAGE NETWORKING DESIGN SPECIALIST			
None	DCSNS Designing Cisco Storage Networking Solutions	5	DCSNS Exam #642-357
CISCO DATA CENTER STORAGE NETWORKING SUPPORT SPECIALIST			
None	CCNA Training ICSNS Implementing Cisco Storage Networking Solutions IASNS Implem. Advanced Cisco Storage Networking Solutions	5 5	ICSNS Exam #642-359
CISCO DATA CENTER UNIFIED COMPUTING DESIGN SPECIALIST			
VCP (VMware Certified Professional) PLUS one of the following options: • CCNA Certification and • DCUCD 642-978 Qualifier Exam • DCSNS und DCNID Certifications	DCUCD Data Center Unified Computing Design	5	DCUCD Exam #642-993
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 und DCNIS Certifications	DCUCI Data Center Unified Computing Implementation	5	DCUCI Exam #642-994

FOUNDATION FOR CHANNEL PARTNERS

Pré-requis	Recommended Training	Jours	Exam
CISCO EXPRESS FOUNDATION DESIGN SPECIALIST			
CCDA Certification	CXFS Cisco Express Foundation SE		CXFS Exam #642-374
CISCO EXPRESS FOUNDATION FIELD SPECIALIST			
CCNA Certification	CXFF Cisco Express Foundation FE		CXFF Exam #642-384
CISCO EXPRESS FOUNDATION SALES SPECIALIST			
CSE Certification	CXFA Cisco Express Foundation AM		CXFA Exam #646-364

WIRELESS LAN

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

SECURITY & VPN

Pré-requis	Recommended Training	Jours	Exam
CISCO ASA SPECIALIST			
CCNA Security Certification	FIREWALL Deploying Cisco ASA Firewall Features VPN Deploying Cisco ASA VPN Solutions	5 5	FIREWALL Exam #642-617 VPN Exam #642-647
CISCO FIREWALL SECURITY SPECIALIST			
CCNA Security Certification	FIREWALL Deploying Cisco ASA Firewall Features SECURE Securing Networks with Cisco Routers & Switches	5 5	FIREWALL Exam #642-617 SECURE Exam #642-637
CISCO IOS SECURITY SPECIALIST			
CCNA Security Certification	SECURE Securing Networks with Cisco Routers & Switches	5	SECURE Exam #642-637
Cisco IPS SPECIALIST			
CCNA Security Certification	IPS Implementing Cisco Intrusion Prevention System	5	IPS Exam #642-627
CISCO NETWORK ADMISSION CONTROL SPECIALIST			
CCNA Security Certification	CANAC Implementing Cisco NAC Appliance	3	CANAC Exam #642-591
CISCO SECURITY SOLUTIONS & DESIGN SPECIALIST			
CCDA Certification	SSSE Security Solutions for System Engineers	5	SSSE Exam #642-583
CISCO SECURITY SALES SPECIALIST			
CSE Certification	ASAM Advanced Security for Account Managers		ASAM Exam #646-578
CISCO VPN SECURITY SPECIALIST			
CCNA Security Certification	SECURE Securing Networks with Cisco Routers & Switches VPN Deploying Cisco ASA VPN Solutions	5 5	SECURE Exam #642-637 VPN Exam #642-647
CISCO WEB SECURITY FIELD ENGINEER SPECIALIST			
CCNP Security Certification	WSCT Web Security for Channel Partners LCSAS Cisco Lifecycle Services Advanced Security	2	WSFE Exam #650-568 LCSAS Exam #650-575

COLLABORATION

Pré-requis	Recommended Training	Jours	Exam
CISCO ADVANCED IP COMMUNICATIONS SALES SPECIALIST			
CSE Certification	AUCAM Advanced Unified Communications Account Manager Cisco Lifecycle Services Express		AUCAM Exam #646-230 LCSE Exam #650-393
CISCO IP COMMUNICATIONS EXPRESS SPECIALIST			
CCNA Certification	IIUC2 Implementing Cisco IOS Unified Communications Part 2 Cisco Lifecycle Services Express	5	IIUC2 Exam #642-145 LCSE Exam #650-393
CISCO IP COMMUNICATIONS EXPRESS SALES SPECIALIST			
CSE Certification	UCXAM Unified Communications Express AM Cisco Lifecycle Services Express		UCXAM Exam #646-223 LCSE Exam #650-393
CISCO IP CONTACT CENTER EXPRESS SPECIALIST			
None	UCCXD Deploying Cisco Unified Contact Center Express	5	UCCX Exam #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 Exam #642-415 QOS Exam #642-642 LCSAUC Exam #650-251
CISCO MEETINGPLACE DESIGN SPECIALIST			
None	DMPS Designing Cisco Unified MeetingPlace Solutions	3	DMPS Exam #642-272
CISCO MEETINGPLACE SUPPORT SPECIALIST			
None	IMPS Implementing MeetingPlace Solutions	5	IMPS Exam #642-274
CISCO MEETINGPLACE SALES SPECIALIST			
CSE Certification	SMPS Selling Cisco Unified MeetingPlace Solutions		SMPS Exam #646-276
CISCO RICH MEDIA COMMUNICATIONS SPECIALIST			
CCNA Certification	ICRMC Implem. Cisco IP Video Conference Rich Media Comm. CVOICE Cisco Voice over IP	5	CRMC Exam #642-481 CVOICE Exam #642-437
CISCO UNITY DESIGN SPECIALIST			
CCDA Certification	CUDN Cisco Unity Design & Networking	4	CUDN Exam #642-072
CISCO UNITY SUPPORT SPECIALIST			
None	IUC Implementing Cisco Unity Connection	3	IUC Exam #642-263
CISCO UNIFIED PRESENCE SPECIALIST			
None	PRSDI Cisco Unified Presence Design & Implementation	3	PRSDI Exam #642-181
CISCO TELEPRESENCE INSTALLATIONS SPECIALIST			
None	ITI Implementing Cisco TelePresence Installation		ITI Exam #642-188
CISCO TELEPRESENCE SOLUTIONS SPECIALIST			
CCNA Certification	ITS Implementing Cisco TelePresence Solutions PITS Physical Installation of Cisco TelePresence Systems	4 2	ITS Exam #642-185

Interconnecting Cisco Network Devices 1 (ICND1)

ID CI-ICND1 **Prix** 3.150,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Aucun

CONTENU DU COURS

- Construire un réseau simple
- Réseau local Ethernet
- Réseau local sans fil
- Explorer les fonctions du routage

- Les réseaux étendus
- Gestion de l'environnement réseau



SCHEDULE France

Paris	16.01.-20.01.12	Paris	26.03.-30.03.12
Paris	13.02.-17.02.12	Paris	21.05.-25.05.12
Paris		Paris	25.06.-29.06.12

Interconnecting Cisco Network Devices 2 (ICND2)

ID CI-ICND2 **Prix** 3.230,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Cours Interconnecting Cisco Network Devices Part 1 (ICND1)

CONTENU DU COURS

- Mise en place d'un réseau de petite taille
- Mise en place d'un réseau commuté de taille moyenne
- Mise en place d'un réseau routé de taille moyenne
- Installation de OSPF

- Installation de EIGRP
- Listes de contrôle d'accès
- Gestion des espaces d'adresses
- Extension du réseau LAN vers WAN

SCHEDULE France

Paris	23.01.-27.01.12	Paris	02.04.-06.04.12
Paris	12.03.-16.03.12	Paris	28.05.-01.06.12
Paris		Paris	02.07.-06.07.12

Implementing Cisco IP Routing (ROUTE)

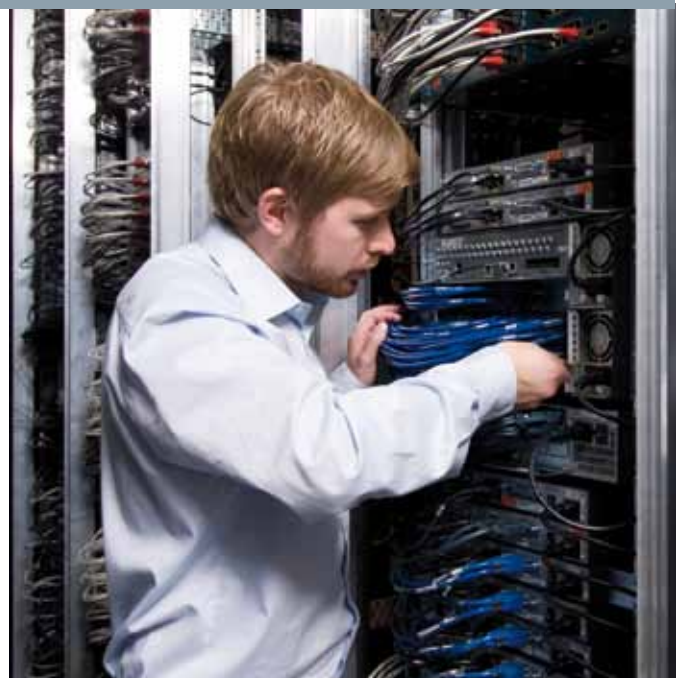
ID CI-ROUTE **Prix** 3.420,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Cours Interconnecting Cisco Network Devices 1 (ICND1) et Interconnecting Cisco Network Devices 2 (ICND2)

CONTENU DU COURS

- Planification des services de routage
- Mettre en œuvre une solution basée sur EIGRP
- Mettre en œuvre un réseau multi-aire évolutive basé sur une solution OSPF
- Mettre en œuvre une solution de redistribution basée IPv4
- Mettre en œuvre le contrôle de chemin
- Connecter un réseau d'entreprise à un réseau ISP



SCHEDULE France			
Paris	30.01.-03.02.12	Paris	19.03.-23.03.12
Paris		Paris	28.05.-01.06.12

Implementing Cisco IP Switching (SWITCH)

ID CI-SWITCH Prix 3.420,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

- Cours Interconnecting Cisco Network Devices 1 (ICND1) et Interconnecting Cisco Network Devices 2 (ICND2)

CONTENU DU COURS

- Analyse du design d'un réseau de type campus
- Mise en œuvre des VLANs dans un réseau de type campus
- Mise en œuvre du Spanning Tree
- Mise en œuvre du routage Inter-VLAN

- Mise en œuvre d'un réseau de haute disponibilité
- Mise en œuvre de la haute disponibilité sur la couche 3
- Minimiser la perte de service et le vol de données dans un réseau de type campus
- Voix et vidéo dans un réseau de type campus
- Intégration des LANs sans fils dans un réseau de type campus

SCHEDULE France		Paris	02.04.-06.04.12
Paris	13.02.-17.02.12	Paris	18.06.-22.06.12

Troubleshooting & Maintaining Cisco IP Networks (TSHOOT)

ID CI-TSHOOT Prix 3.550,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

- Cours Implementing Cisco IP Routing (ROUTE) et Implementing Cisco IP Switching (SWITCH)

CONTENU DU COURS

- Planification de la maintenance pour les réseaux complexes
- Planification des process de dépannage pour les réseaux d'entreprise complexes

- Outils et applications de maintenance et de dépannage
- Maintenance & dépannage de solutions de campus switchés
- Maintenance & dépannage des solutions de routage
- Maintenance & dépannage des solutions de sécurité réseau
- Maintenance & dépannage des réseaux d'entreprise intégrés et complexes

SCHEDULE France		Paris	21.05.-25.05.12
Paris	05.03.-09.03.12	Paris	02.07.-06.07.12

CCNP Power Workshop (CCNPPW)

ID FL-CCNPPW Prix 6.590,00 EUR (hors TVA) Durée 12 Jours

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

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

Routing & Switching Solutions for System Engineers (RSSSE)

ID CI-RSSSE Prix 1.450,00 EUR (hors TVA) Durée 2 Jours

PRÉ-REQUIS

- CCDA certification or comparable experience

CONTENU DU COURS

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

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

Advanced Routing & Switching for Field Engineers (ARSFE)

ID CI-ARSFE Prix 2.450,00 EUR (hors TVA) Durée 3 Jours

PRÉ-REQUIS

- CCNP certification or comparable experience recommended

CONTENU DU COURS

- 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

CCIE Routing & Switching Theory Workshop (CCIET)



ID FL-CCIET Prix 2.890,00 EUR (hors TVA) Durée 5 Jours

CONTENU DU COURS

- 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

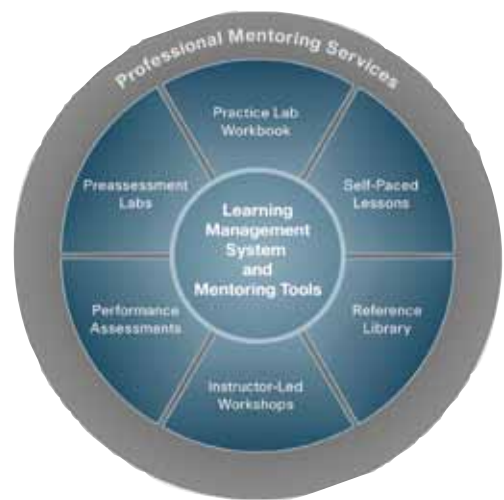


SCHEDULE France
 Planning européen disponible sur notre web : www.flane.fr

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)



ID CI-CIERS1 Prix 3.890,00 EUR (hors TVA) Durée 5 Jours

CONTENU DU COURS

The following topics are covered in this workshop

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

SCHEDULE 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 Prix 3.890,00 EUR (hors TVA) Durée 5 Jours

CONTENU DU COURS

CIERS Workshop 2 is approximately 20 percent lecture and 80 percent hands-on labs that focus on advanced configuration and troubleshooting. Also includes five 8-hour performance assessments, which are graded and returned with mentor feedback.

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

Advanced Catalyst 6500 Switching (CAT6KS)

ID FL-CAT6KS Prix 3.190,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

- CCNP certification or comparable experience

CONTENU DU COURS

- 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 Prix 3.490,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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

Designing for Cisco Internetwork Solutions (DESGN)

ID CI-DESGN **Prix** 2.790,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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

Paris 12.03.-16.03.12 Paris 18.06.-22.06.12

Designing Cisco Network Service Architectures (ARCH)

ID CI-ARCH **Prix** 3.200,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- CCNA, CCDA and CCNP knowledge

CONTENU DU COURS

- 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

Paris 26.03.-30.03.12 Paris 02.07.-06.07.12

CCDE Written Exam Power Workshop (CCDEW)

ID FL-CCDEW **Prix** 2.690,00 EUR (hors TVA) **Durée** 5 Jours

SCHEDULE France

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

CCDE Lab Exam Power Workshop (CCDEL5)

ID FL-CCDEL5 **Prix** 3.690,00 EUR (hors TVA) **Durée** 5 Jours

SCHEDULE France

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

Implementing Cisco QoS (QoS)

ID CI-QOS **Prix** 3.450,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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 05.03.-09.03.12 Paris 04.06.-08.06.12

Configuring BGP on Cisco Routers (BGP)

ID CI-BGP **Prix** 3.450,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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

Paris 06.02.-10.02.12 Paris 21.05.-25.05.12

Implementing Cisco MPLS (MPLS)

ID CI-MPLS **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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

Paris 26.03.-30.03.12 Paris 25.06.-29.06.12

Implementing Cisco MPLS Traffic Engineering & Other Features (MPLST)

ID CI-MPLST **Prix** 3.400,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

- MPLS Traffic Engineering Technology
- Configuring MPLS Traffic Engineering
- MPLS Quality of Service
- Any Transport over MPLS (AToM)
- MPLS IPv6 support

CONTENU DU COURS

- MPLS VPN Review
- Carrier Supporting Carrier (CsC)

SCHEDULE France Paris 23.04.-27.04.12

Implementing Cisco Multicast (MCAST)

ID CI-MCAST **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

- 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

CONTENU DU COURS

- IP Multicast Technology
- PIM Dense Mode Protocol, Configuration, Monitoring and Troubleshooting

SCHEDULE France Paris 19.03.-23.03.12

IPv6 Fundamentals, Design & Deployment (IP6FD)

ID CI-IP6FD **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

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

CONTENU DU COURS

- Introduction to IPv6
- IPv6 Operation
- Advanced IPv6 Topics

SCHEDULE France Paris 02.04.-06.04.12
Paris 06.02.-10.02.12
Paris 05.03.-09.03.12

Cisco Network Management Training



Implementing CiscoWorks LMS 3.0 (CWLMS)

ID CI-CWLMS **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

- CiscoWorks Campus Manager
- CiscoWorks Resource Manager Essentials
- CiscoWorks Internetwork
- Performance Monitor
- CiscoWorks Device Fault Manager
- Device Troubleshooting
- CiscoWorks System Administration

CONTENU DU COURS

- Introduction to Network Management Using CiscoWorks LMS
- Jump-Start CiscoWorks

SCHEDULE France Paris 04.06.-08.06.12

Implementing Cisco IOS Network Security (IINS)

ID CI-IINS **Prix** 3.350,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Interconnecting Cisco Network Devices 1 (ICND1) course

CONTENU DU COURS

- 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

Paris 23.01.-27.01.12 Paris 02.04.-06.04.12

Securing Networks with Cisco Routers & Switches (SECURE)

ID CI-SECURE **Prix** 3.420,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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 13.02.-17.02.12 Paris 21.05.-25.05.12

Deploying Cisco ASA Firewall Features (FIREWALL)

ID CI-FIREWALL **Prix** 3.420,00 EUR (hors TVA) **Durée** 5 Jours



PRÉ-REQUIS

- 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

- 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 Virtualization and High Availability Features
- Integrating Cisco ASA Security Service Modules

CONTENU DU COURS

- Introducing the Cisco ASA Adaptive Security Appliance

SCHEDULE France

Paris 30.01.-03.02.12 Paris 23.04.-27.04.12

Deploying Cisco ASA VPN Solutions (VPN)

ID CI-VPN **Prix** 3.420,00 EUR (hors TVA) **Durée** 5 Jours



PRÉ-REQUIS

- 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

CONTENU DU COURS

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

SCHEDULE France

Paris 05.03.-09.03.12 Paris 11.06.-15.06.12

Implementing Cisco Intrusion Prevention System (IPS)

ID CI-IPS Prix 3.420,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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

Paris 19.03.-23.03.12 Paris 02.07.-06.07.12

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

ID CI-MARS Prix 2.620,00 EUR (hors TVA) Durée 4 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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 Prix 2.390,00 EUR (hors TVA) Durée 3 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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

Paris 11.04.-13.04.12



Implementing Cisco Network Admission Control (NAC)

ID CI-NAC Prix 2.150,00 EUR (hors TVA) Durée 3 Jours

PRÉ-REQUIS

- Certification as a CCSP or the equivalent knowledge

CONTENU DU COURS

- 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

Implementing Cisco Unified Wireless Networking Essentials (IUWNE)

ID CI-IUWNE **Prix** 3.330,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

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



SCHEDULE France

Paris 06.02.-10.02.12 Paris 23.04.-27.04.12

CCNP Wireless Power Workshop (CCWP)

ID FL-CCWP **Prix** 7.590,00 EUR (hors TVA) **Durée** 10 Jours

CONTENU DU COURS

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 **Prix** 3.450,00 EUR (hors TVA) **Durée** 4 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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 Prix 2.950,00 EUR (hors TVA) Durée 4 Jours

PRÉ-REQUIS

- Cisco Wireless LAN Fundamentals (CWLF) course

CONTENU DU COURS

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

SCHEDULE France

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



Implementing Cisco Unified Wireless Mobility Services (IUWMS)

ID CI-IUWMS Prix 3.240,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- Design WLAN Infrastructure for Mobility
- Implement Advanced Services and Manage with Cisco WCS and Cisco WCS Navigator
- Design WLAN for Context-aware Services
- Implement Cisco Context-Aware Services
- Implementing and Managing Indoor and Outdoor Mesh Networks



SCHEDULE France

Paris

12.03.-16.03.12

Implementing Cisco Unified Wireless Voice Networks (IUWVN)

ID CI-IUWVN Prix 3.240,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

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



SCHEDULE France

Paris

26.03.-30.03.12

Conducting Cisco Unified Wireless Site Survey (CUWSS)

ID CI-CUWSS **Prix** 3.240,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- Collect Information for the Site Survey
- Prepare and Plan for the Site Survey
- Conduct the Site Survey
- Design the RF Network
- Assess the Deployment



SCHEDULE France

Paris

11.06.-15.06.12

Implementing Advanced Cisco Unified Wireless Security (IAUWS)

ID CI-IAUWS **Prix** 3.240,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

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



SCHEDULE France

Paris

25.06.-29.06.12

Cisco CCIE Wireless Written Power Workshop (CCIEWW)

ID FL-CCIEWW **Prix** 2.790,00 EUR (hors TVA) **Durée** 5 Jours

CONTENU DU COURS

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)

ID FL-CCIEWL **Prix** 3.190,00 EUR (hors TVA) **Durée** 5 Jours

CONTENU DU COURS

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

**90%
Practice
based!**

Multivendor Data Center Training



Imagine Virtually Anything - FlexPod Architecture (FLEX)

ID FL-FLEX Prix 750,00 EUR (hors TVA) Durée 1 Jour

PRÉ-REQUIS

- Basic knowledge about networking, virtualization and storage

CONTENU DU COURS

- Data Center of the Future "Imagine Virtually Anything" (IVA) with Cisco, NetApp and VMware
- Data Center Strategy: Consolidation, Virtualisation, Integration, Automatisation
- FlexPod Architecture Details
 - Unified Computing with Cisco UCS and Nexus
 - Unified Fabric and Unified Storage with NetApp FAS
 - VMware vSphere for FlexPod
- Reference Architectures: Secure Multi Tenancy, Virtualization of Microsoft Business Applications, Virtual Desktop Architecture
- Cisco Validated Design (CVD) and cooperative Support Model
- IVA FlexPod Solution Summary and Added Value



SCHEDULE France

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



Multivendor Data Center Training



Implementing Vblock (VBLOCK-TECH)

ID FL-VBLOCK-TECH Prix 3.650,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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

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

Selling Vblocks (VBLOCK-SALES)

ID FL-VBLOCK-SALES Prix 1.190,00 EUR (hors TVA) Durée 1 Jour

PRÉ-REQUIS

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

CONTENU DU COURS

- The Virtual Computing Environment
 - The VCE Coalition (Cisco, VMware and EMC)
 - Intel and Acacia
 - 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

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

Cisco Data Center & Virtualisation Training



Data Center Architectural Overview (DCAO)

ID FL-DCAO **Prix** 790,00 EUR (hors TVA) **Durée** 1 Jour

PRÉ-REQUIS

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

CONTENU DU COURS

- 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 **Prix** 750,00 EUR (hors TVA) **Durée** 1 Jour

PRÉ-REQUIS

- CCNA Certification or equivalent knowledge

CONTENU DU COURS

- 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 **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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 Designing Cisco Data Center Unified Fabric (DCUFD) courses

CONTENU DU COURS

- 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 Solution

SCHEDULE France Paris 12.03.-16.03.12 Paris 25.06.-29.06.12

Data Center Unified Computing Implementation (DCUCI)

ID CI-DCUCI **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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 Designing Cisco Data Center Unified Fabric (DCUFD) courses



CONTENU DU COURS

- 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

Paris

04.06.-08.06.12

13.02.-17.02.12

Designing Cisco Data Center Unified Fabric (DCUFD)

ID CI-DCUFD **Prix** 3.550,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- CCDA certification

CONTENU DU COURS

- Data Center Design Fundamentals: Introducing the Data Center; Identifying the Cisco Data Center Business Advantage; Designing Data Center Solutions
- Data Center Network Infrastructure: Introducing Cisco Catalyst Series Switches; Introducing Cisco Nexus Series Switches; Introducing Cisco Data Center Security Products; Introducing Cisco Data Center Application Services Products; Introducing Cisco SAN Products; Introducing Cisco Computing, Desktop, and Solution Products; Introducing Cisco Data Center Network Management
- Data Center Network Virtualization Principles: Introducing Device Virtualization; Introducing Network Virtualization; Introducing Fabric Virtualization; Identifying Data Center

Standards and Trends

- Data Center Topologies: Designing Data Center Topologies; Designing Data Center Topologies Using FEX; Designing Data Center Interconnect Solutions
- Data Center Services and Security: Designing Data Center IP Services; Designing Data Center Application Services; Designing Data Center Security
- Data Center Standards: Sizing the Data Center



SCHEDULE France

Paris

02.04.-06.04.12

Implementing Cisco Data Center Unified Fabric (DCUFI)

ID CI-DCUFI **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Good understanding of networking protocols
- Recommended CCNA Certification
- Good understanding of the Fibre Channel protocol and the SAN environment
- Recommended attendance of a Fibre Channel protocol class or equivalent experience
- Recommended attendance of the Implementing Cisco Storage Network Solutions (ICSNS) class or equivalent experience

CONTENU DU COURS

- Cisco Nexus Product Overview
- Cisco Nexus Switch Feature Configuration
- Cisco Nexus Switch Advanced Feature Configuration
- Cisco Nexus Series Switch Management
- Redundancy on Cisco Nexus Switches
- Fibre Channel over Ethernet
- Fibre Channel over Ethernet Configuration
- Troubleshooting on Cisco Nexus Switches

SCHEDULE France
Paris

Paris
Paris

02.04.-06.04.12
18.06.-22.06.12

06.02.-10.02.12

**Real Nexus
Hardware for
all Lab
Activities!**

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

ID CI-DCNI-1 **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

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

SCHEDULE France

Paris	05.03.-09.03.12	Paris	28.05.-01.06.12
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Implementing the Cisco Nexus 1000V (DCNX1K)

ID CI-DCNX1K **Prix** 2.100,00 EUR (hors TVA) **Durée** 3 Jours

PRÉ-REQUIS

- Good understanding of networking protocols
- Recommended CCNA Certification
- Good understanding of the VMware environment
- Recommended attendance of the VMware vSphere: Install, Configure, Manage (VICM) class or equivalent knowledge

CONTENU DU COURS

- VMware Networking Overview
- Cisco Nexus 1000V Series Switch Installation
- Cisco Nexus 1000V Feature Configuration
- Cisco Nexus 1000V Switch Management
- Troubleshooting the Cisco Nexus 1000V Switch

SCHEDULE France

Paris	18.01.-20.01.12	Paris	21.03.-23.03.12
		Paris	14.05.-16.05.12

Implementing the Cisco Nexus 5000 and 2000 (DCNX5K)

ID CI-DCNX5K **Prix** 3.200,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Good understanding of networking protocols
- Recommended CCNA Certification
- Good understanding of the Fibre Channel protocol and the SAN environment
- Recommended attendance of a Fibre Channel Protocol class or equivalent experience
- Recommended attendance of the Implementing Cisco Storage Networking Solutions (ICSNS) class or equivalent experience

CONTENU DU COURS

- Cisco Nexus 5000 Product Overview
- Network Feature Configuration on the Cisco Nexus 5000 switch
- System Management Features
- Fibre Channel over Ethernet (FCoE)
- Fibre Channel over Ethernet (FCoE) Configuration
- Troubleshooting



SCHEDULE France

Paris	23.01.-27.01.12	Paris	26.03.-30.03.12
		Paris	11.06.-15.06.12



Fiber Channel over Ethernet Overview (FCOE)

ID FL-FCOE **Prix** 1.090,00 EUR (hors TVA) **Durée** 2 Jours

PRÉ-REQUIS

- CCNA Certification or equivalent knowledge

CONTENU DU COURS

- 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 the Cisco Nexus 7000 (DCNX7K)

ID CI-DCNX7K Prix 3.200,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

- Good understanding of networking protocols, routing & switching
- Recommended CCNA Certification
- Recommended attendance of Implementing Cisco IP Routing (ROUTE)
- Recommended attendance of Implementing Cisco IP Switched Networks (SWITCH)

CONTENU DU COURS

- Cisco Nexus 7000 switch Product Overview: Cisco Nexus 7000 Product Overview; Cisco NX-OS Software Overview; The Connectivity Management Processor
- Cisco Nexus 7000 Switch Feature Configuration: Virtual Device Contexts; Configuring Layer 2 Switching Features; Configuring Port Channels; Configuring Layer 3 Switching Features
- Cisco Nexus 7000 Advanced Switch Feature Configuration: Security on the Cisco Nexus 7000 switch; Overlay Transport Virtualization (OTV) on the Cisco Nexus 7000 switch;

Implementing Quality of Service on the Cisco Nexus 7000 switch

- Cisco Nexus 7000 Management: User Management on the Cisco Nexus 7000 switch; System Management on the Cisco Nexus 7000 switch
- Redundancy on the Cisco Nexus 7000 Switch: High Availability & Redundancy on the Cisco Nexus 7000 switch; Implementing Cisco FabricPath
- Troubleshooting on the Cisco Nexus 7000 switch: Troubleshooting Process on the Cisco Nexus 7000 switch; Troubleshooting Features on the Cisco Nexus 7000 switch; Troubleshooting Installs, Upgrades and Reboots; Troubleshooting Virtual Port Channels (vPCs); Troubleshooting Memory and Packet Flow Issues
- Fibre Channel over Ethernet (FCoE) on the Cisco Nexus 7000 switch

SCHEDULE France	Paris	23.04.-27.04.12
Paris	13.02.-17.02.12	25.06.-29.06.12

Cisco Wide Area Application Services (CWAAS)

ID CI-CWAAS Prix 3.350,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

- CCNA certification or equivalent knowledge

CONTENU DU COURS

- 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	11.06.-15.06.12
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Designing Data Center Application Services (DCASD)

ID CI-DCASD Prix 3.550,00 EUR (hors TVA) Durée 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

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

SCHEDULE France	Paris	21.05.-25.05.12
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Implementing Data Center Application Services (DCASI)

ID CI-DCASI **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

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



SCHEDULE France
Paris 19.03.-23.03.12

Implementing the Application Control Engine Service Module (ACESM)

ID CI-ACESM **Prix** 3.250,00 EUR (hors TVA) **Durée** 4 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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 Paris 29.05.-01.06.12

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

ID CI-ACEDES **Prix** 2.690,00 EUR (hors TVA) **Durée** 4 Jours

CONTENU DU COURS

- 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 **Prix** 3.250,00 EUR (hors TVA) **Durée** 4 Jours

CONTENU DU COURS

- 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

Implementing Cisco Storage Networking Solutions (ICSNS)

ID CH-CSNS **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

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



SCHEDULE France

Paris 06.02.-10.02.12 Paris 04.06.-08.06.12

Implementing Cisco Advanced Storage Networking Solutions (IASNS)

ID CH-IASNS **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Implementing Cisco Storage Networking Solutions (ICSNS)

CONTENU DU COURS

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

SCHEDULE France

Paris 06.03.-10.03.12

Designing Cisco Storage Networking Solutions (DCSNS)

ID CH-DCSNS **Prix** 3.550,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

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

- Securing the SAN
- Designing SAN Extension Solutions

CONTENU DU COURS

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



SCHEDULE France

Paris 12.03.-16.03.12

CCIE Storage Networking Power Workshop (CCIESAN)

ID FL-CCIESAN **Prix** 7.490,00 EUR (hors TVA) **Durée** 10 Jours

CONTENU DU COURS

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 **Prix** 5.490,00 EUR (hors TVA) **Durée** 5 Jours

CONTENU DU COURS

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

Introducing Cisco Voice & Unified Communications (ICOMM)

ID CH-COMM **Prix** 3.450,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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			
Paris	30.01.-03.02.12	Paris	04.06.-08.06.12
Paris	26.03.-30.03.12	Paris	10.09.-14.09.12
Paris		Paris	19.11.-23.11.12

Implementing Cisco Unified Communications Voice over IP & QoS (CVOICE)

ID CI-CVOICE **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

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



SCHEDULE France			
Paris	19.03.-23.03.12	Paris	02.07.-06.07.12

Implementing Cisco Unified Communications Manager Part 1 (CIPT1)

ID CI-CIPT1 **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

- Feature and Application Implementation

CONTENU DU COURS

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



SCHEDULE France			
Paris	23.01.-27.01.12	Paris	28.05.-01.06.12

Implementing Cisco IOS Unified Communications Part 2 (IIUC2)

ID CI-IIUC2 **Prix** 3.350,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Introducing Cisco Voice and Unified Communications Administration (ICOMM) course



CONTENU DU COURS

- Cisco Unified Communications Manager Express Fundamentals
- Configuration of Cisco UC Manager Express Features
- Implement Media Resources Overview
- Implement Cisco Unified CallConnector and Cisco Unified CallConnector Mobility
- Cisco Unity Express Voice Mail & AutoAttendant Configuration
- Cisco Unity Express VPIM Networking and Cisco Unified Messaging Gateway
- Troubleshooting Cisco IOS Software-Based Unified Communications

SCHEDULE France

Paris

02.04.-06.04.12

Cisco Unified Communications Architecture & Design (UCAD)

ID CI-UCAD **Prix** 3.200,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Interconnecting Cisco Network Devices 1 (ICND1), Interconnecting Cisco Network Devices 2 (ICND2), Designing for Cisco Internetwork Solutions (DESGN), Implementing Cisco Voice Communications & QoS (CVOICE), Implementing Cisco Unified Communications Manager 1 (CIPT1), Implementing Cisco Unified Communications Manager 2 (CIPT2) courses

CONTENU DU COURS

- Cisco Unified Communications Architecture Overview
- LAN Design for Cisco Unified Communications Call Control
- WAN Design for Cisco Unified Communications Call Control
- Component Design for Cisco Unified Communications Call Control

SCHEDULE France

Paris

18.06.-22.06.12

Administering Cisco Unified Messaging (AUM)

ID CI-AUM **Prix** 1.190,00 EUR (hors TVA) **Durée** 2 Jours

PRÉ-REQUIS

- A working knowledge of Microsoft Windows 2000
- A working knowledge of the Microsoft Exchange
- A working knowledge of the features, benefits, and programming of at least one manufacturer's PBX

CONTENU DU COURS

- Cisco Unified Messaging Overview
- Cisco Unified Messaging General Setup
- Cisco Unified Messaging Subscriber Configuration
- Cisco Unified System Monitoring and Maintenance



SCHEDULE France

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

Implementing Cisco Unified Messaging (IUM)

ID CI-IUM **Prix** 3.380,00 EUR (hors TVA) **Durée** 3 Jours

PRÉ-REQUIS

- A working knowledge of Microsoft Windows 2003
- A working knowledge of Microsoft Exchange Server 2003
- Features, benefits, and programming of at least one manufacturer PBX (Cisco Unified Communications Manager preferred)
- Administering Cisco Unified Messaging (AUM) course

CONTENU DU COURS

- Cisco Unified Messaging System Hardware and Software
- Unified Messaging Integrations
- Unified Messaging Networking
- Unified Communications Maintenance and Utilities

SCHEDULE France

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

Implementing Cisco Unified Communications Manager Part 2 (CIPT2)

ID CI-CIPT2 **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

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

SCHEDULE France

Paris 05.03.-09.03.12 Paris 18.06.-22.06.12



Troubleshooting Cisco Unified Communications (TVOICE)

ID CI-TVOICE **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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 12.03.-16.03.12 Paris 11.06.-15.06.12



Integrating Cisco Unified Communications Applications (CAPPs)

ID CI-CAPPs **Prix** 3.600,00 EUR (hors TVA) **Durée** 5 Jours

- 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



CONTENU DU COURS

- 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	13.02.-17.02.12	Paris	25.06.-29.06.12
Paris	23.04.-27.04.12	Paris	24.09.-28.09.12
		Paris	10.12.-14.12.12

Administering Cisco Unified Contact Center Enterprise (AUCCE)

ID CI-AUCCE **Prix** 3.250,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Familiarity with Call Center operations, Microsoft Active Directory, Microsoft Windows 2003, Microsoft SQL Server 2005

CONTENU DU COURS

- Cisco Unified Contact Center Enterprise Product Overview
- Configuring Cisco Unified Contact Center Enterprise
- Extended Functions
- Administrative Scripts and Translation Routing
- Configuring a Second Peripheral
- Configuring Cisco Outbound Option
- Cisco Unified Intelligence Center



SCHEDULE France			
Paris	06.02.-10.02.12	Paris	21.05.-25.05.12

Deploying Cisco Unified Contact Center Enterprise Software (DUCCE)

ID CI-DUCCE **Prix** 3.250,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Strong knowledge of Microsoft Windows Server 2003 and Active Directory
- Administering Cisco Unified Contact Center Enterprise (AUCCE) course

- Reporting and Maintenance Tools



CONTENU DU COURS

- Cisco Unified Contact Center Enterprise Overview
- Cisco Unified Contact Center Enterprise Component Architecture
- Installing Cisco Unified Contact Center Enterprise
- Database and Application Driven Routing Options
- Installing Cisco Outbound Options

SCHEDULE France			
Paris	05.03.-09.03.12	Paris	11.06.-15.06.12

Cisco Unified Presence Design & Implementation (PRSDI)

ID CI-PRSDI **Prix** 2.850,00 EUR (hors TVA) **Durée** 3 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

• 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

Administering Cisco Unified Communications Manager 7.0 (ACUCM)

ID CI-ACUCM **Prix** 2.450,00 EUR (hors TVA) **Durée** 3 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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 Power Workshop (CUCCPW)

ID CI-CUCCPW **Prix** 6.790,00 EUR (hors TVA) **Durée** 10 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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 **Prix** 3.450,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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

Paris

19.03.-23.03.12

Unified Contact Center Express Advanced (UCCXA)

ID CI-UCCXA **Prix** 2.790,00 EUR (hors TVA) **Durée** 4 Jours

PRÉ-REQUIS

- Unified Contact Center Express (UCCXD) course

CONTENU DU COURS

- 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

Deploying Cisco Unified Intelligence Center (DUIC)

ID CI-DUIC **Prix** 2.550,00 EUR (hors TVA) **Durée** 3 Jours

PRÉ-REQUIS

- Working knowledge of Unified Contact Center Enterprise
- Working knowledge of contact center operations

SCHEDULE France

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

CONTENU DU COURS

- Cisco Unified Intelligence Center Overview
- Cisco Unified Intelligence Center Installation, Administration, and Security
- Running Cisco Unified Intelligence Center Reports
- Cisco Unified Intelligence Center Custom Reporting

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

ID CI-UEIME **Prix** 3.550,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Experience with Windows 2003 OS & 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

CONTENU DU COURS

- 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 **Prix** 3.550,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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)

CONTENU DU COURS

- 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

Paris

04.06.-08.06.12

Cisco Service Provider Voice Training



IP Transfer Point (ITP)

ID CI-ITP **Prix** 2.590,00 EUR (hors TVA) **Durée** 4 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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 & 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

Designing Cisco Unified MeetingPlace Solutions (DMPS)

ID CI-DMPS **Prix** 1.950,00 EUR (hors TVA) **Durée** 3 Jours

PRÉ-REQUIS

- 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)

CONTENU DU COURS

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

Evaluate End-User Requirements; Evaluating Customer Infrastructure and Telephony Environment; Evaluating Customer Database Requirements

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

SCHEDULE France

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

Implementing Cisco Unified MeetingPlace Solutions (IMPS)

ID CI-IMPS **Prix** 3.190,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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

Implementing Cisco TelePresence Solutions Immersive (ITSI)

ID CI-ITSI **Prix** 2.990,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- 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

CONTENU DU COURS

- 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

Implementing Advanced TelePresence Video Solutions Part 1 (PAIATVS1)

ID CI-PAIATVS1 **Prix** 3.190,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Installation and support engineers installing, maintaining and troubleshooting the Cisco TelePresence solutions

CONTENU DU COURS

- The Advanced TelePresence Video Solutions Part 1 course is designed to empower the partner with the capacity to install, configure, maintain and troubleshoot a Cisco TelePresence network so that 80% of all field activity is unassisted. Upon completing this course, the learner will be able to meet these overall objectives:
- Locate support documentation, install, operate, configure,

maintain, and troubleshoot Cisco TelePresence Codec C90

- Describe Call Control protocols, install, configure basic registration capabilities, and troubleshoot Cisco TelePresence Video Communications Server (VCS).
- Locate support documentation, install, operate, configure, maintain, and troubleshoot the Cisco TelePresence MCU range
- Install, operate, configure, maintain, and troubleshoot the Cisco TelePresence Management Suite (TMS).

SCHEDULE France

Paris 13.02.-17.02.12 Paris 04.06.-08.06.12

Implementing Advanced TelePresence Video Solutions Part 2 (PAIATVS2)

ID CI-PAIATVS2 **Prix** 3.350,00 EUR (hors TVA) **Durée** 5 Jours

PRÉ-REQUIS

- Completed and passed the PATVSEE & PATVSEA exam
- Implementing Advanced TelePresence Video Solutions Part 1 (PAIATVS1)

CONTENU DE LA FORMATION

- Upon completing this course, the learner will be able to meet these overall objectives:
- Recognize the MSE 8000 chassis and the corresponding blades available including their function.
- Be able to operate a Cisco TelePresence Server to enable mixed network calls between CTS and other Cisco TelePresence

- endpoints.
- To be able to configure and operate a Cisco TelePresence Content Server
- To be able to configure a Cisco TelePresence Video Communication Server for subzones, zones, complex dial plans and security requirements
- To be able to use the Cisco TelePresence Management Suite and Cisco TelePresence Communication Server to provision Movi and E20 systems

SCHEDULE France

Paris	05.03.-09.03.12	Paris	18.06.-22.06.12
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Implementing Express TelePresence Video Solutions (PAIETVS)

ID CI-PAIETVS **Prix** 1.590,00 EUR (hors TVA) **Durée** 2 Jours

PRÉ-REQUIS

- Completed and passed the PATVSEE exam
- Completed the ELT component of the PAIETVS course

CONTENU DU COURS

- Endpoints
 - Cable up the C40 Codec
 - Configure the C40 Codec
 - Register the C40 Codec for SIP
 - Test SIP calls
 - Register the C40
 - Codec for H.323 & Interworking
 - Test H.323 & Interworking calls
- Call Control

- Configuration of IP settings
- SIP domain and SIP configuration settings
- Configuration of H.323 and Interworking settings
- C40 Inbuilt multipoint and presentation capabilities
- Configuration backup

- MCU
 - MCU Setup
 - MCU Operation
 - MCU Backup
- Management
 - Booking
 - Monitoring
 - Managing Systems
 - Phone Books



SCHEDULE France

Paris	15.03.-16.03.12
Paris	28.06.-29.06.12

Cisco Digital Media Suite (DMS) Training



Digital Media Suite (DMS)

ID CI-DMS **Prix** 2.650,00 EUR (hors TVA) **Durée** 4 Jours

PRÉ-REQUIS

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

CONTENU DU COURS

- 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

Paris	13.02.-17.02.12	Paris	04.06.-08.06.12
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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

- Securing Enterprise Data Center Architectures with FWSM, IDSM-2, Guard & Detector (SEDCA)
- Implementing Enterprise Data Center Infrastructure Security (IEDIS)

METRO ETHERNET

- Deploying & Maintaining Carrier Ethernet Services (DMCE)

NETWORK MANAGEMENT

- Cisco Active Network Abstraction (CANA)
- Cisco Unified Provisioning Manager (CUPM)
- Cisco Unified Operations Manager, Service Monitor & Service Statistics Manager (OM-SM-SSM)

ROUTING & SWITCHING

- Cisco IOS XR Software Fundamentals for Network Operations (XRFUND)
- Deploy, Maintain & Troubleshoot Cisco IOS XR (DMTXR)
- Cisco IOS XR IPv6 Routing for Service Providers (XIPV6R)
- Cisco XR 12000 Series Essentials (XR12K)
- 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)
- Integrating IPv6 in Service Provider & Enterprise Networks (IP6AD)

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 & IPCC (IPCAR)
- Cisco IPCC Advanced Scripting (IPCAS)

SERVICE PROVIDER VOICE

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



PARTICIPANT

Société

Nom

Prénom

Fonction

Adresse

Code postal

Pays

Téléphone

Fax

E-mail

TITRE DU COURS / ID

DATE / LOCALISATION

PRIX (HORS TAXES)

ADRESSE DE FACTURATION - N° DE COMMANDE

Société

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Date

Signature / Tampon

Fast Lane Training Centers



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