



Vos contacts :
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ONT– Optimizing Converged Cisco Networks 1.0

Objectif	<p>After completing this course the student should be able to:</p> <ul style="list-style-type: none">• Explain the Cisco hierarchical network model as it pertains to an end-to-end enterprise network.• Describe specific requirements for implementing a VOIP network.• Describe the need to implement QoS and the methods for implementing QoS on a converged network using Cisco's routers and Catalyst Switches.• Explain the key IP QoS mechanisms used to implement the DiffServ QoS model.• Configure Auto QoS for Enterprise.• Describe and configure wireless security and basic wireless management.
Pré requis	<p>Explain the fundamentals of Ethernet including CSMA / CD, port speed, port duplex, and 10Mbps to 1Gbps.</p> <ul style="list-style-type: none">• Complete the initial configuration of a switch.• Basic Spanning Tree Protocol configuration.• Configure a switch with VLANs.• Create basic interswitch connections.• Troubleshoot a VLAN and VTP to the CCNA level.• Complete the initial configuration of a router.• Fundamental security knowledge including the presence of hackers, viruses and other security threats.• Fundamental knowledge of IP Addressing including the format of IPv4 addresses, the concept of subnetting, and VLSM and CIDR as well as static and default routing.• Basic NAT / PAT.• Standard and Extended Access Lists.• Use client utilities including Telnet, IPCONFIG, Trace Route, Ping, FTP, TFTP, and Hyperterminal.• Basic IOS familiarity, including accessing the CLI on a Cisco device and specifically implementing the debug and show commands
Durée	5 jours

Contenu

Module 1 : Describe Network Requirements.

Module 2 : Describing Cisco VoIP Implementations.

Module 3 : Introduction to IP QoS.

Module 4 : Implementing the DiffServ QoS Model.

Module 5 : Implementing AutoQoS.