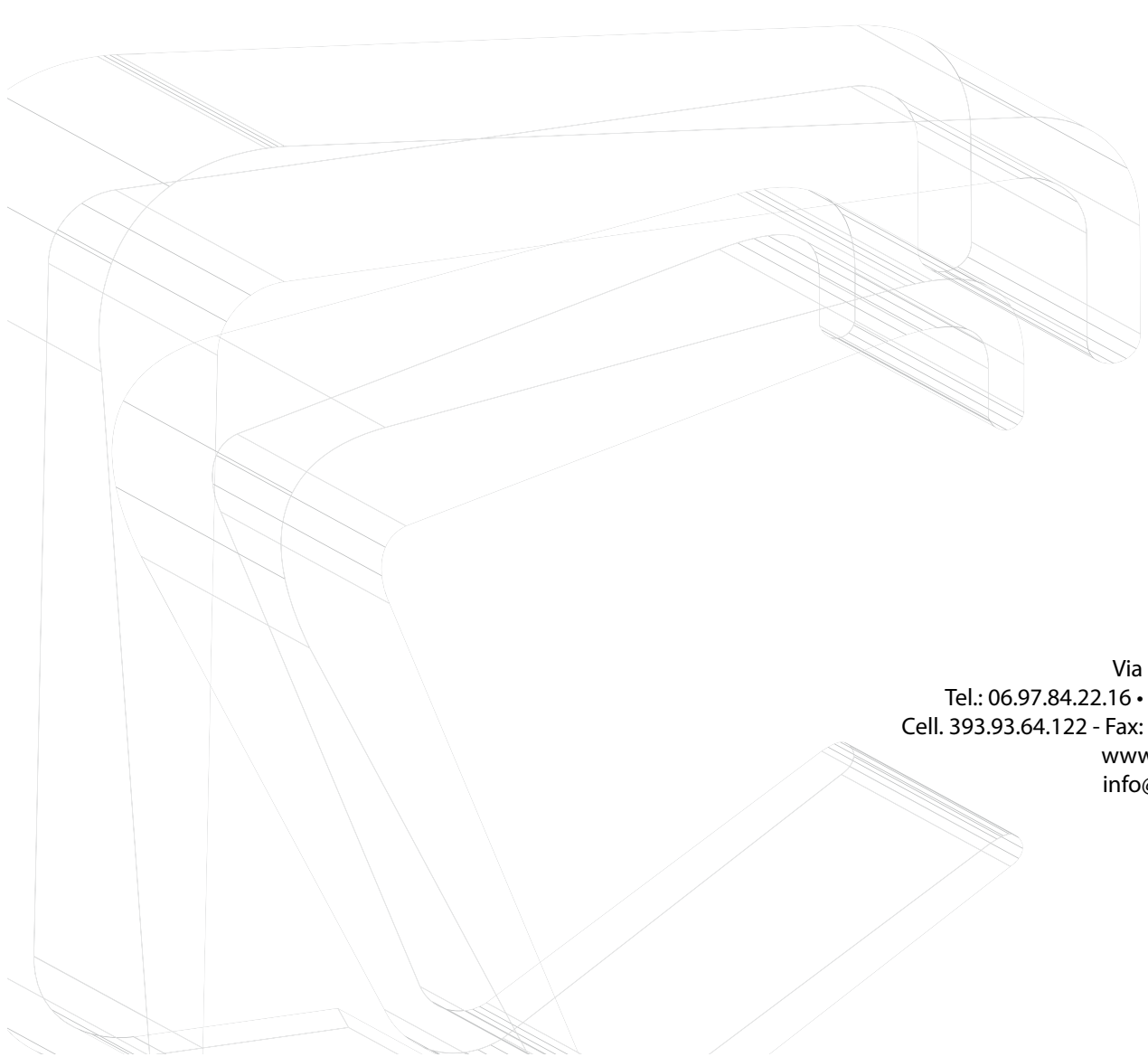




Programma corso Cisco CCNP - ONT



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Informazioni generali

The Optimizing Converged Cisco Networks (642-845 ONT) is a qualifying exam for the Cisco Certified Network Professional CCNP®. The ONT 642-845 exam will certify that the successful candidate has important knowledge and skills in optimizing and providing effective QoS techniques for converged networks. The exam topics include implementing a VOIP network, implementing QoS on converged networks, specific IP QoS mechanisms for implementing the DiffServ QoS model, Auto-QoS, wireless security and basic wireless management.

Are e obiettivi per la certificazione CCNP

The following information provides general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. In order to better reflect the contents of the exam and for clarity purposes the guidelines below may change at any time without notice.

Describe Cisco VoIP implementations

- :: Describe the functions and operations of a VoIP network (e.g., packetization, bandwidth considerations, CAC, etc.).
- :: Describe and identify basic voice components in an enterprise network (e.g. Gatekeepers, Gateways, etc.)

Describe QoS considerations

- :: Explain the necessity of QoS in converged networks (e.g., bandwidth, delay, loss, etc.).
- :: Describe strategies for QoS implementations (e.g. QoS Policy, QoS Models, etc.).

Describe DiffServ QoS implementations

- :: Describe classification and marking (e.g., CoS, ToS, IP Precedence, DSCP, etc.).
- :: Describe and configure NBAR for classification.
- :: Explain congestion management and avoidance mechanisms (e.g., FIFO, PQ, WRR, WRED, etc.).
- :: Describe traffic policing and traffic shaping (i.e., traffic conditioners).
- :: Describe Control Plane Policing.
- :: Describe WAN link efficiency mechanisms (e.g., Payload/Header Compression, MLP with interleaving, etc.).
- :: Describe and configure QoS Pre-Classify.

Implement AutoQoS

- :: Explain the functions and operations of AutoQoS.
- :: Describe the SDM QoS Wizard.
- :: Configure, verify, and troubleshoot AutoQoS implementations (i.e., MQC).

Implement WLAN security and management

- :: Describe and Configure wireless security on Cisco Clients and APs (e.g., SSID, WEP, LEAP, etc.).
 - :: Describe basic wireless management (e.g., WLSE and WCS). Configure and verify basic WCS configuration (i.e., login, add/review controller/AP status, security, and import/review maps).
 - :: Describe and configure WLAN QoS.
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