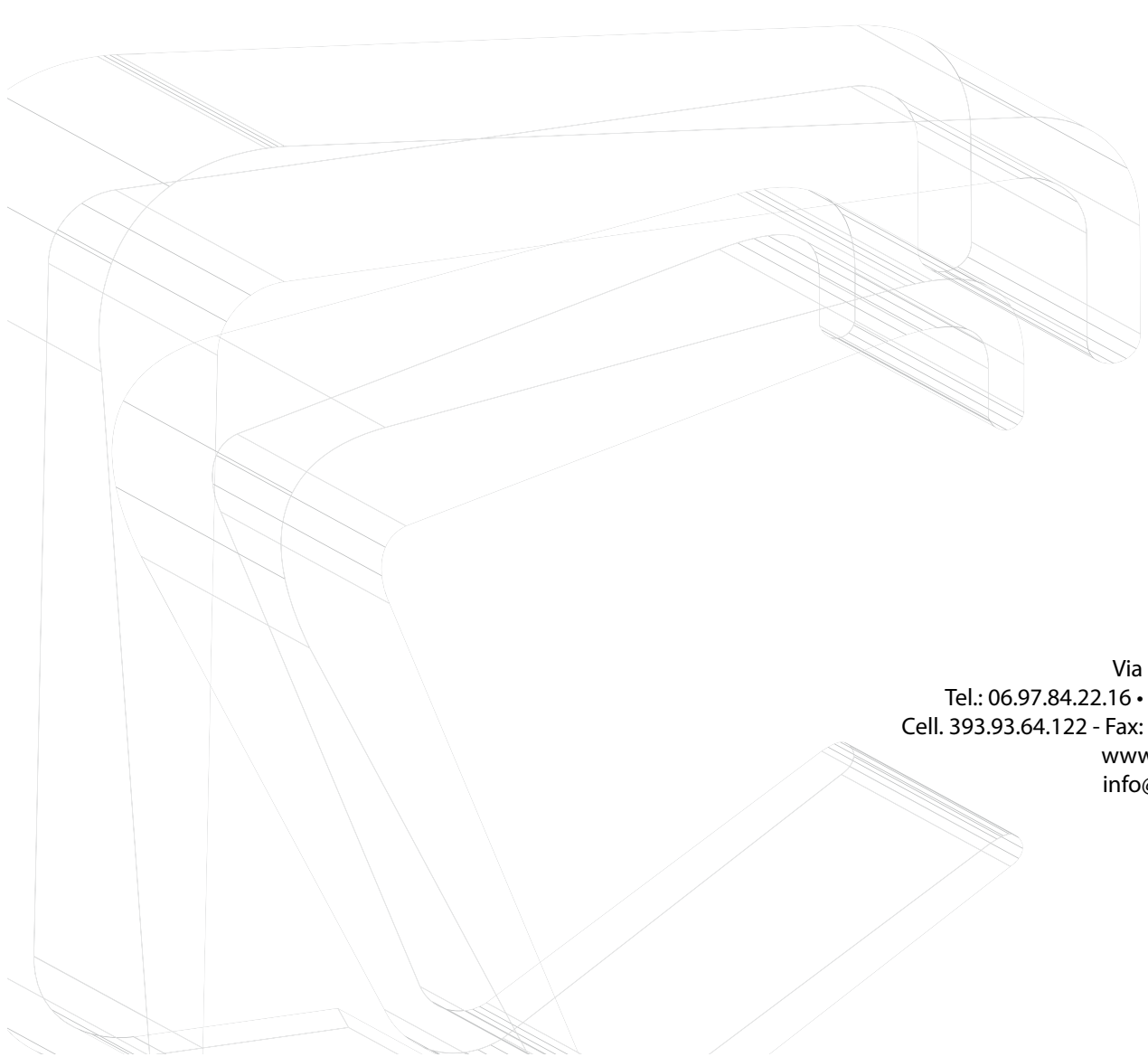




Programma corso Cisco CCNP - BSCI



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### **Informazioni generali**

Il corso è rivolto a superare brillantemente l'esame Building Scalable Cisco Inter-networks (BSCI 642-901), il quale certificherà che il candidato ha acquisito importanti conoscenze e l'esperienza necessaria per lavorare al meglio su apparati di routing connessi a reti LAN e WAN medio grandi, scalabili e performanti.

Durante il corso saranno trattati argomenti riguardanti Advanced IP Addressing, Principi di Routing, Multicast Routing, IPv6, Manipulating Routing Updates, Configuring basic BGP, Configuring EIGRP, OSPF, e IS-IS.

È indirizzato a tecnici fortemente interessati ad acquisire nuove competenze e diventare più competitivi nel mondo del lavoro.

**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.

**Implement EIGRP operations**

- :: Explain the functions and operations of EIGRP (e.g., DUAL).
- :: Configure EIGRP routing. (e.g., Stub Routing, authentication, etc.)
- :: Verify or troubleshoot EIGRP routing configurations.

**Implement multiarea OSPF operations**

- :: Explain the functions and operations of multiarea OSPF.
- :: Configure multiarea OSPF routing. (e.g., Stub, NSSA, authentication, etc.)
- :: Verify or troubleshoot multiarea OSPF routing configurations.

**Describe integrated IS-IS**

- :: Describe the features and benefits of integrated IS-IS.
- :: Configure and verify integrated IS-IS.

**Implement Cisco IOS routing features**

- :: Describe, configure or verify route redistribution between IP routing IGPs. (e.g., route-maps, default routes, etc.)
- :: Describe, configure or verify route filtering (i.e., distribute-lists and passive interfaces).
- :: Describe and configure DHCP services (e.g., Server, Client, IP helper address, etc.).

**Implement BGP for enterprise ISP connectivity**

- :: Describe the functions and operations of BGP.
- :: Configure or verify BGP operation in a non-transit AS (e.g., authentication).
- :: Configure BGP path selection. (i.e., Local Preference, AS Path, Weight or MED attributes).

**Implement multicast forwarding**

- ⌘ Describe IP Multicast (e.g., Layer-3 to Layer-2 mapping, IGMP, etc.).
- ⌘ Describe, configure, or verify IP multicast routing (i.e., PIM Sparse-Dense Mode).

**Implement IPv6**

- ⌘ Describe IPv6 addressing operations.
- ⌘ Describe IPv6 interoperation with IPv4.
- ⌘ Describe, configure or verify OSPF routing with IPv6 addressing.