Cisco
CCNAv3 Routing & Switching
Courses

Cisco Certifications

Cisco is a name synonymous with the growth of the Internet and the operation of internet technologies. Cisco is very well known for its planned certification programme which validates and recognises an individual's skills at a professional level in the management and application of these key technologies.

The widely respected Cisco career certifications bring valuable, measurable rewards to network professionals, their managers, and the organisations that employ them.

The CCNA indicates a foundation in and apprentice knowledge of networking. CCNA teaches networking based on technology.
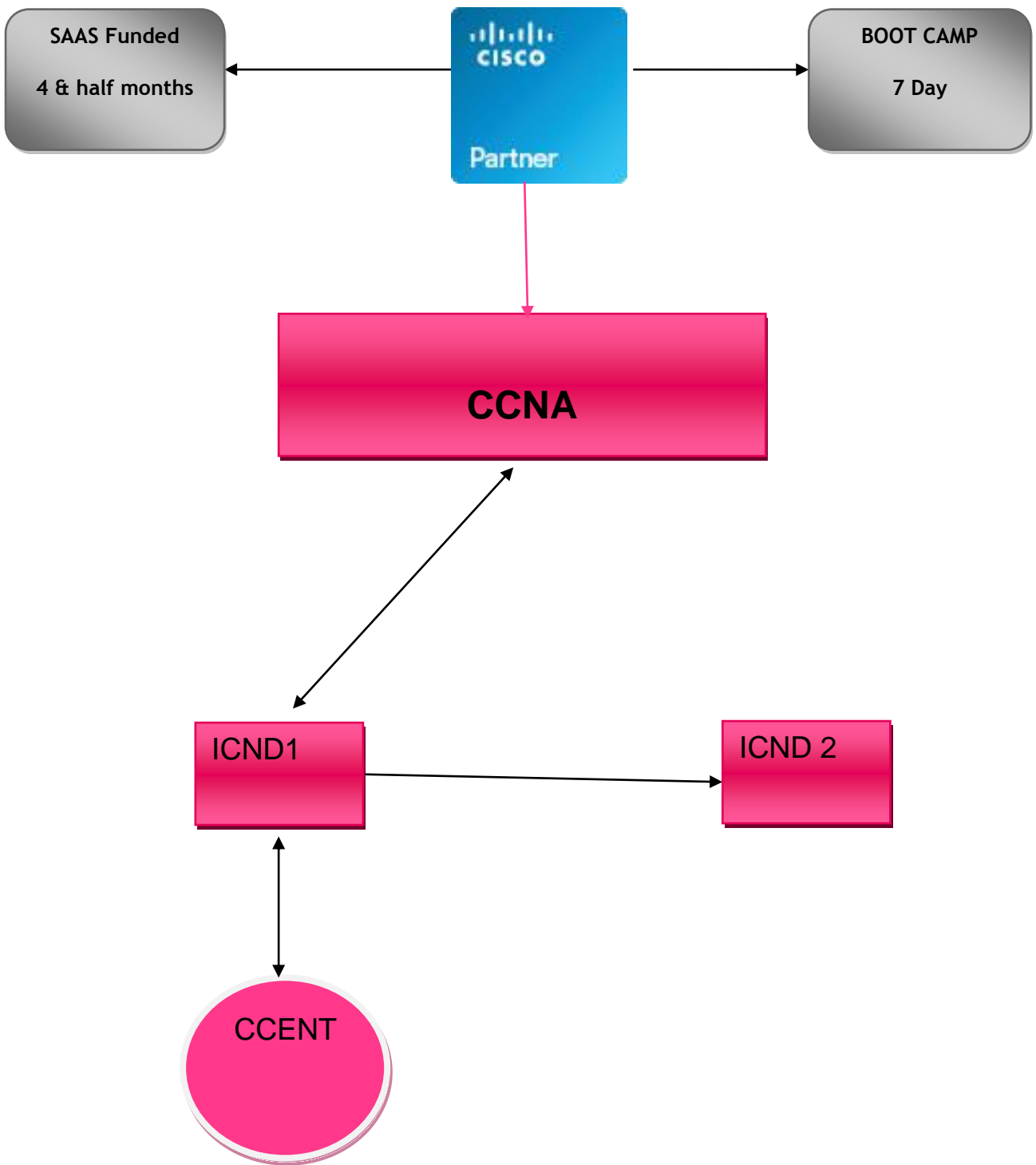
It covers protocols and theory at deeper levels to help individuals succeed in networking-related degree programs and a range of profession. It is a significant statement of understanding, skills and capacity.

CCNA qualifications exhibit an industry-recognised knack to install, configure and preserve networks.

Now a day's organisations progressively more rely on the internet and intranets to compete in the universal economy. Increasingly skilled professionals are obligatory to keep networks smoothly and seamlessly. These organisations seek thoroughly trained and certified individuals with the latest IP technology skills to ensure technical proficiency and to provide the resource to protect their task critical operations.

This is the essence of Cisco certification which enhances the certificate holder's achievement and professional competence.

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|  4 & half months       |        |    Partner     |        |  7 Day                 |
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CCENT: Cisco Certified Entry Networking Technician

ICND1 & ICND2:

CCNA: Cisco Certified Network Associate

CCENT Certification EXAM (ICND1 100-105)

The **Cisco Certified Entry Networking Technician** (CCENT) certification is the first stage of Cisco's certification system. The CCENT certification is a provisional step to Associate level or directly with CCNA and CCDA certifications. While the CCENT covers basic networking knowledge; it does not get involved with the more complex technical aspects of the Cisco routing and switching and network design.

The certification does validate the skills essential for entry-level network support positions. CCENT qualified individuals have the knowledge and skill to install, manage, maintain and troubleshoot a small enterprise branch network, including network security.

CCENT Exam Topics:

The exam includes topics on:

No	Contents
1.	The Operation of IP Data Networks
2.	LAN Switching Technologies
3.	IP Addressing (IPv4 & IPv6)
4.	IP Routing Technologies
5.	IP Services (DHCP, NAT, ACLs)
6.	Network Device Security
7.	Basic Troubleshooting

Exams and Progression Routes:

You can prepare to take the Cisco CCENT certification exam after completing the first two modules and/or the CCNA Routing and Switching exam after completing all four modules.

ICND1 & ICND2 (Routing & Switching) 200-105

ICND1 & ICND2 Courses modules which will be taught during the sessions are, and if you decide to split CCNA into two:

The ICND1 is associated with the Cisco Certified Entry Network Technician. This coursework develops the candidate's knowledge and skills required to successfully install, operate, and troubleshoot a small branch office network.

The ICND2 is associated with the Cisco Certified Network Associated certification (CCNA). This course enhances the candidate's knowledge and skills required to successfully install, operate and troubleshoot a small to medium size enterprise branch network.

This course covers switched networks, switch/router configuration, troubleshooting LAN/WAN.

ICND1	ICND2
Network Concepts	Troubleshooting VLAN Connectivity
OSI & TCP/IP Models	Understanding Spanning Tree Protocol STP
Hardware-Cabling-Cisco IOS	Understanding and configuring Etherchannel
Introducing Basic IPv4 & VLSM	SwitchStack-VSS
Understanding IPv6	HSRP-VRRP
Switching-VLAN-CDP-LLDP	Cloud Services
Inter-VLAN routing and Static-Routes	Implementing EIGRP
DNS-DHCP-NTP	Implanting OSPFv2
Implementing single area OSPF	Trunk-802.1x-DHCP Snooping
Managing Traffic using Access Control Lists ACLs	Multi-Area OSPF IPv4 implementation
Scaling the network with network address translation NAT and port address translation PAT	Understanding and configuring OSPFv3
SNMP-Syslog-Netflow-IOS-Password Recovery	AAA-TACACS-RADIUS
Portsecurity-SSH-Telnet	QoS Concepts
Troubleshooting	WAN Topology Basics

Cisco CCNA Certification (EXAM 200-125)

Cisco Certified Network Associate (CCNA) Routing and Switching is a certification program for entry-level network engineers that helps maximize your investment in foundational networking knowledge and increase the value of your employer's network. CCNA Routing and Switching is for Network Specialists, Network Administrators, and Network Support Engineers. The CCNA Routing and Switching validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks.

Course Description:

Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system. Maintain network hardware and software. Monitor network to ensure network availability to all system users and perform necessary maintenance to support network availability. May supervise other network support and client server specialists and plan, coordinate, and implement network security measures.

Exams and Progression Routes:

A candidate can also appear for ICND1 after the first two modules and ICND2 after completing the remaining two modules.

Prerequisites

Basic Networking Knowledge

EXAMS & RECOMMENDED TRAINING

Required Exam(s)	Recommended Training
200-125 CCNA	**Routing & Switching**
100-105 ICND1	**Routing & Switching**
200-105 ICND2	**Routing & Switching**

Exam Topics:

The following topics are general guidelines for the content likely to be included on the CCNA Composite exam. However, other related topics may also appear on any specific delivery of the exam. The guidelines below may change at any time without notice in order to better reflect the contents of the exam and for clarity purposes (Cisco).

Progression Routes:

You can progress your career further by joining into CCNP Routing & Switching or in Security.