



Cheat Sheet CCNA

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Cheat Sheet

CCNA

Cheat sheet CCNA – Introduction

CCNA or Cisco certified network associate is a certification examination in the area of information technology by Cisco. It is an associate level Cisco career certification to enter a network technician job. Some of the common job

type after this certification are the following:

- Network engineer
- Network administrator
- Senior network engineer
- Information technology manager
- System administrator
- Information technology director
- System engineer

CCNA Routing and Switching certification is achieved or passed if one earns a passing score on Cisco exam (code#200-125), or a combined passing scores on the “Interconnecting Cisco Network Devices” (ICND1 #100-105) and (ICND2 #200-105) exams. Once ICND1 is passed, a candidate receives CCENT certification. Examination passing marks are [set using statistical analysis](#) of obtained marks by all candidates. Pass marks can change without prior notice. After exam completion, candidates receive a scorecard along with a score breakdown by exam section and also passing score for the given exam. Exam’s cutoff scores are not disclosed by Cisco because exam questions and cutoff scores can change without notice.

CCNA being such an important and widely written [certification exam](#) is a good career option for many. In this Cheat Sheet CCNA article, we provide important tips and tricks to ace this exam. In this Cheat sheet CCNA article, we will discuss what CCNA is and the different CCNA commands.

Commands and Content on Cheat sheet CCNA



Below are the Cheat sheet CCNA commands mentioned which perform different kinds of operations:

Description	Commands
User mode	Switch>
Enter Privilege mode	Switch>enable
Privileged mode	Switch#
configuration mode	Switch#configure terminal
Global Configuration mode	Switch(config)#



Interface mode	Switch(config)#interface fa0/1
Interface mode enter	Switch(config-if)
Return to global config.	Switch(config-if) exit
Exit Global Configuration mode	Switch(config)#exit
Return to use mode	Switch#disable
Logout	Switch>exit

Keyboard Shortcuts commands:

Description	Keyboard shortcut key
Recalling the last command	Up arrow or <Ctrl> p
Recalling Next command	Down arrow or <Ctrl> n




To begin of a command	<Ctrl> a
Command end	<Ctrl> e
Deleting an input	<Ctrl> d
Configuration Mode Exit	<Ctrl> z
Command completion	TAB

Device Configuration commands:

Cheat sheet CCNA commands for device configuration are mentioned below which perform different kinds of operations:

Description	Commands
Configure the name of a device system	Switch(config)#hostname sw1



encrypted enable password setting up	Switch(config)#enable secret cisco
unencrypted enable password setting up	Switch(config)#enable password cisco
password encryption enabled on all clear text password inside the config file	Switch(config)#service password-encryption
Banner Configure a Message, along with an ending character of \$	Switch(config)#banner motd \$
Vlan IP address assignment	Switch(config)#int vlan 1 <div><div>🔗 Popular Course in this category</div><div><div></div><div><div>All in One Software Development Bundle (600+ Courses, 50+ projects)</div><div>Course Price \$299 \$1999</div><div>View Course</div></div></div></div>



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```
Switch(config-if)#ip addr 172.22.1.11
```

```
255.255.255.0
```

Default gateway assignment

```
Switch(config)#ip default-gateway 10.1.1.1
```

Selecting one interface

```
Switch(config)#int fa0/1
```




Selecting a range of interfaces (it is version dependent)	Switch(config)#int range fa0/1 – 12
Setting the interface description	Switch(config-if)#description
Adding vlan using configuration mode	switch(config)#vlan 11 switch(config-vlan)#name test
Configure Interface fa0/1 @ speed 100 Mbps and full duplex	Switch(config-if)#speed 100 Switch(config-if)#duplex full
Assigning an interface to vlan	switch(config-if)#switchport access vlan 11
Enabling Port Security.	Switch(config-if)#switchport mode access Switch(config-if)#switchport port-security Switch(config-if)#switchport port-security mac-address sticky
Disabling Interface	Switch(config-if)shutdown
Enabling Interface	Switch(config-if)no shutdown



The configuration of 5 Telnet sessions with a password of 'cisco' in each of them	Switch(config)#line vty 0 4 Switch(config-line)#login Switch(config-line)#password cisco
Enablement and defining console password of 'cisco'	Switch(config)#line con 0 Switch(config-line)#login Switch(config-line)#password cisco
Synchronizing console messages	Switch(config-line)#logging synchronous
Setting the time-zone and automatically adjusting the same	Switch(config)#clock timezone gmt 0 Switch(config)#clock summer-time gmt recurring
Setting the switch priority for the vlan.	Switch(config)#spanning-tree vlan 1 priority 4096
Enabling portfast	Switch(config)#int fa0/1 Switch(config-if)#spanning-tree portfast
Enabling RSTP.	Switch(config)#spanning-tree mode rapid-pvst



Creating a vlan.	Switch(config)#vlan 2 Switch(config-vlan)#name sales
Assigning an interface to vlan 2	Switch(config-if)#switchport access vlan 2
forcing an interface into trunking unconditionally. access and dynamic are other options	Switch(config-if)#switchport mode trunk
assigning a switch to a VTP domain manually. if it's currently in the 'null' domain and receives a VTP frame then switch will automatically become part of a VTP domain	Switch(config)#vtp domain lab
VTP mode changes from the default 'server' mode to client mode. Within client mode, no changes are possible	Switch(config)#vtp mode client

Enabling the HTTP server so SDM
can be used

```
Router(config)#ip http server
```

Free Tips and Tricks of using Cheat sheet CCNA Commands:-



Above, we presented some important cheat sheet CCNA commands and keyboard shortcuts related to network engineering and these are very important for keeping CCNA examination in mind. In this section, we shall discuss important tricks and tips which can help students do better in CCNA exam.

- One must get comprehensive practical knowledge and experience to pass the examination. Just reading books will not help. One must know the basics of troubleshooting and internet protocol.
- Proper study material must be obtained. There are thousands of websites, blogs, and books but not all of them are reliable. Hence picking the right source reduces the wasting of time and effort.
- It is a good practice to schedule practice tests and write a few before actual tests. This gives a great benefit in terms of [time management](#) and stress handling during the exam.
- Refresh the learned material before the examination. The syllabus of CCNA is quite comprehensive and it may take several weeks to complete and understand everything, the proper time to time revise is necessary and revision before examination day is a great benefit.

- With so much to read and learn, one can easily get tensed or tired and hence it is important than one relax and take a deep breath in the last few days before the examination.
- CCNA asks for about 50-60 questions in 90-minute duration. It is quite a lot in such a short time and hence prior practice and time management is key.
- CCNA has a very comprehensive syllabus as mentioned below. It asks anything from TCP/IP to [routing protocols](#) to spanning trees. It requires the candidate to go through the length and breadth of the topic.



Cheat sheet CCNA – conclusion

CCNA certification is a proof of network expert and hence it has a huge benefit. It is recognized globally and treated with a lot of respect from employers and peers. With this certification, a candidate can market himself to be a strong network engineer with good opportunities in the network engineering field.

With all such advantages in mind, there are many institutions and professionals who offer training courses and tutorials to pass CCNA certifications – some of them are free while there are others who charge a hefty fee. It is advised that a candidate first spend a lot of time in self-study and then only if required opt for a paid tutorial classes.

Recommended Article

This has been a guide to Cheat sheet CCNA here we have discussed the content and command as well as free tips and tricks of cheat sheet CCNA you may also look at the following article to learn more –

1. [Cheat sheet SQL](#)
2. [Cheat sheet for C++](#)
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4. [Cheat sheet for C++ Programming Language](#)
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











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















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