

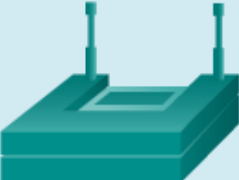


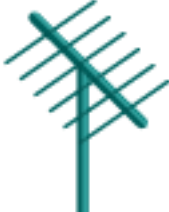
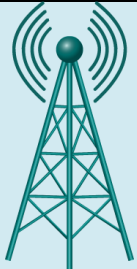
















CCNA R&S: Icon Glossary








This document provides a glossary to the icons used in the CCNA R&S courses. Table 1 provides the short name for the icon, the icon itself and a description.









Table 1. Icon Glossary






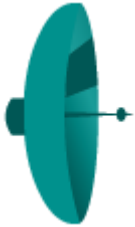


Short Name	Icon	Description
15200		The Cisco ONS 15216 DWDM System is a suite of passive components used to build and augment dense wavelength division multiplexing (DWDM) networks.
Wireless Access Point		A wireless access point is a device that allows wireless devices to connect to a wired network using Wi-Fi, or related standards. The AP usually connects to a router (via a wired network) as a standalone device, but it can also be an integral component of the router itself.
Access Point Aironet		Cisco proprietary line of wireless access points.
Access Server		Access servers such as a 2509 and 2511 router series, terminate remote access dial users for small and medium networks. Analog Modem Network Modules such as the NM-8AM and NM-16M can be used in 2600, 3600 and 3700 series routers to provide remote dial access as well.
ADM		The Cisco Traffic Anomaly Detector Module is an integrated services module for Cisco Catalyst 6500 Series switches and Cisco 7600 Series routers that helps large organizations protect against distributed denial of-service (DDoS) attacks or other network attacks.
Antenna basic		An electrical device which converts electric power into radio waves, and vice versa.




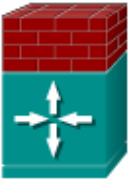




Antenna tower		A general antenna placed on a tower for better reachability.
ASA 5500 (Adaptive Security Appliance)		Cisco ASA 5500 Series Adaptive Security Appliances, or simply Cisco ASA, is Cisco's line of network security devices introduced in 2005
Bit Bucket		In networking scenarios, the term is used to refer to the place where a firewall, router or proxy has discarded a packet.
Bridge		At the time of their introduction, bridges connected and enabled layer 2 packet forwarding between homogeneous networks. More recently, bridging between different networks has also been defined and standardized.
Wireless Bridge		Cisco Aironet Bridges are wireless LAN transceivers that connect two or more remote networks into a single LAN. They can be used to provide campus building-to-building wireless connectivity.
BTS 10200 Softswitch		The Cisco BTS 10200 Softswitch provides call-control intelligence for establishing, maintaining, routing, and terminating voice calls.
Building		Represents an organization's headquarters.








Building Branch Office		Represents an organization's branch office.
Modem (Cable or DSL)		This icon represents a modem. The underlying technology can be either DSL-based or cable TV-based. A cable/DSL modem typically connects a cable/DSL wall hookup to a PC's Ethernet card.
CallManager		Cisco Unified Communications Manager (CUCM), formerly Cisco Unified CallManager and Cisco CallManager (CCM), is a software-based call-processing system developed by Cisco Systems
Catalyst 6000 Series Workgroup		The Cisco Catalyst 6000 Series Switch is a modular system that can grow as customer requirements expand and technology evolves, allowing businesses to upgrade and reconfigure systems by adding new modules, replacing existing modules, and adding and redeploying systems.
CD		Compact disc, or CD for short, is a digital optical disc data storage format.
CDDI-FDDI Concentrator		The CDDI/FDDI C1400 Concentrator is a member of a family of concentrators that provide Copper Distributed Data Interface/multilevel transmission (CDDI/MLT-3) and single and multimode Fiber Distributed Data Interface (FDDI) connectivity.
CiscoWorks Workstation		Represents the computer used to managed the network with CiscoWorks platform.
Clock		Clock. Usually related to timing and communication peers synchronization.








Cloud		Set of interconnected devices that provide a communication path for other devices. The devices comprising the cloud are commonly owned and administrated by an ISP.
Cluster Controller 3174 (desktop)		In a data center environment, servers can be configured as a cluster for increased service resiliency and reliability. In this scenario, cluster controllers are required to control that group of servers.
Comm Server		A terminal or comm server commonly provides out-of-band access for multiple devices. It is a router with multiple, low speed, asynchronous ports that are connected to other serial devices, for example, modems or console ports on routers or switches
Computer		General usage desktop computer.
Computer-house		General usage home desktop computer.
Computer-House w/ ISDN Card		General usage home desktop computer with an ISDN card.
Computer-IP-based Video		General desktop computer running IP-based video applications.









Computer– IP-based Video Man		General desktop computer running IP-based video applications
Computer– Laptop		General usage laptop computer
Computer– Laptop Netbook		General usage laptop computer running a network-based operating system.
Computer– Macintosh		General usage laptop computer running a MacOS-based operating system.
Computer–Main Frame		Mainframe computer.
Computer–PC with Software		General usage desktop computer with software disc.
Computer– Scanner		General usage computer scanner
Computer– Supercomputer		Super computer








Computer- Tablet		General usage tablet computer.
Computer- Tablet -cius		Cisco Cius Tablet computer.
Content Distribution Manager (CDM)		The Cisco Content Distribution Manager (CDM) provides central management and provisioning of the Cisco Content Delivery Network (CDN), including all content, Content Engine edge delivery devices, bandwidth utilization and more.
Content Engine (Cache Engine?)		Cisco content engines combine the functions of caching and content delivery in one appliance. In many ways, content engines are similar to network proxies.
Content Transformation Engine		CTE is a 1 Rack Unit appliance optimized to perform the task of converting HTML and XML backend data to a format appropriate for devices with unique display requirements such as phones and tablets.
Directional Antenna		A directional antenna or beam antenna is an antenna which radiates greater power in one or more directions allowing for increased performance on transmit and receive and reduced interference from unwanted sources.
DSLAM		A digital subscriber line access multiplexer (DSLAM) is a network device, often located in telephone exchanges. It connects multiple customer digital subscriber line (DSL) interfaces to a high-speed digital communications channel using multiplexing techniques.
DWDM Filter		Dense wavelength division multiplexer (DWDM) refers to optical devices that combine (or multiplex) and separate (or demultiplex) multiple optical signals of different wavelengths in a single fiber.









FDDI Ring		Fiber Distributed Data Interface (FDDI) is a standard for data transmission in a local area network. It provides a 100 Mbit/s optical standard for data transmission that can extend in range up to 120 miles (200 km).
File Cabinet		Physical File Cabinet
Firewall		A firewall is a software or hardware-based network security system that controls the incoming and outgoing network traffic by analyzing the data packets and determining whether they should be allowed through or not, based on a rule set
Firewall IOS		Represents an IOS-based firewall device
Firewall PIX (left)		Cisco PIX (Private Internet eXchange) is a popular IP firewall and NAT appliance. It was one of the first products in this market segment.
Firewall PIX		Cisco PIX (Private Internet eXchange) is a popular IP firewall and NAT appliance. It was one of the first products in this market segment.
Firewall PIX (right) RED		Cisco PIX (Private Internet eXchange) is a popular IP firewall and NAT appliance. It was one of the first products in this market segment.
Firewall PIX (right) YELLOW		Cisco PIX (Private Internet eXchange) is a popular IP firewall and NAT appliance. It was one of the first products in this market segment.










Firewall Router		Represents a router with built-in firewall capabilities
Firewall-Switch Module (FWSM)		Represents a Cisco Catalyst 6500 series equipped with a FWSM (Cisco Firewall Services Module).
Floppy Disk		Floppy Disk
Folder		Folder or Directory
Funnel		Represents a funnel or filter
Gateway		A network device equipped two or more network cards, designed for interfacing between networks.
Government Building		Represents a government building









Attacker		Represents an attacker or malicious user.
Hand-held Device		Represents a general handheld device
Hand-held Terminal		Represents a handheld terminal. Usually related to a handheld device which relies on a remote device for data processing.
Home Office		Represents an business office located within a home.
Host Intrusion Detection Agent		Host based intrusion detection (HIDS) refers to intrusion detection that takes place on a single host system.
House		Represents a home.
Hub 100 BaseT Hub small Hub2		An Ethernet hub, active hub, network hub, repeater hub, multiport repeater or hub is a device for connecting multiple Ethernet devices together and making them act as a single network segment.








IBM Mainframe		Mainframe computers are computers used primarily by corporate and governmental organizations for critical applications and bulk data processing.
IBM Mini		A minicomputer (colloquially, mini) is a legacy term referring to a class of multi-user computers that lies in the middle range of the computing spectrum. A minicomputer is between the largest multi-user systems (mainframe computers) and the smallest single-user systems (microcomputers or personal computers).
IDS - Intrusion Detection System		An intrusion detection system (IDS) is a device or software application that monitors network or system activities for malicious activities or policy violations and produces reports to a management station.
Key		Represents a key. Usually related to cryptographic keys
Lan2Lan		Represents a Cisco LAN2LAN device. This product was an entry level ISDN remote access solution intended to be used by remote teleworkers, schools and small remote sites. Dial on demand was heavily featured, as the product was from an era where time online and data transfers were cost prohibitive.
LocalDirector		Cisco Local Director is a high-availability, Internet scalability solution that load balances TCP/IP traffic across multiple servers.
Lock		Represents a lock. Usually related to cryptographic keys
Lock - Open		Represents an open lock. Usually related to cryptographic keys







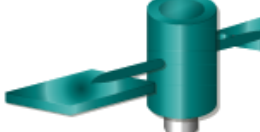

Magnifying Glass		Represents a magnifying glass. Usually related to data analysis.
Man		Represents a man.
MCU (Multipoint conference unit)		Represents a Cisco TelePresence MCU device. MCUs provide full high-definition multimedia conferencing bridge.
Metro 1500		The Cisco Metro 1500 DWDM is a retired platform that gives Service providers the ability to deliver managed wave length based ESCON, FICON, Fiberchannel and Ethernet services to both Enterprise and xSP customers offering out-sourced Storage or Content services.
MGX 8240		The Cisco MGX 8240 series private line gateway (formally known as Sentient U1600) is a retired ATM Circuit Emulation platform that allows service providers to transport leased-line channelized DS3, DS1 and NxDSO circuits over an ATM backbone
MGX 8260		The Cisco MGX 8260 is a retired high-density, carrier-class gateway that switches TDM and voice over IP (VoIP) traffic across packet networks.
Modem		Represents a legacy analog modem. It is usually related to modulating and/or de-modulating data (modulating digital to analog and de-modulating analog to digital).








MP3 Player		General mp3 player
MUX		Represents a generic Multiplexer device
Network Cloud Standard		Set of interconnected devices that provide a communication path for other devices. The devices comprising the cloud are commonly owned and administrated by an ISP.
Net Ranger		The product name changed from NetRanger to the Cisco Secure Intrusion Detection System.
Network Management		Represents a network management station
Omnidirectional Antenna		Represents an omnidirectional antenna. Omni antenna is a class of antenna which radiates radio wave power uniformly in all directions in one plane.
ONS 15540 (Optical)		The Cisco ONS 15216 DWDM System is a suite of passive components used to build and augment dense wavelength division multiplexing (DWDM) networks.
Optical Cross Connect		The Cisco ONS 15540 Extended Service Platform (ESP) is a dense wavelength division multiplexing (DWDM) optical transport platform aimed at the Metro DWDM Enterprise market.








Optical Transport		Represents Cisco Optical Transport platform.
Pager		Represents a generic pager device
PBX		Represents a legacy PBX switch. Traditionally, a small business PBX (Private Branch Exchange) is a telephone switching system that manages incoming and outgoing calls for a company's internal users.
PDA		Represents a generic PDA device.
Phone		Represents a generic analog, legacy phone.
Phone - cius		Represents a Cisco Cius phone.
Phone - fax		Represents a generic analog, legacy phone with FAX capabilities.
Phone - IP		Represents a generic IP phone.
Phone - ISDN Terminal		Represents a generic ISDN phone.









Phone - Cellular - Blackberry		Represents a generic Blackberry phone
Phone - Cellular - Flip		Represents a generic cellphone.
Phone - Smartphone		Represents a generic smartphone.
Printer		Represents a generic printer
Repeater		An Ethernet hub, active hub, network hub, repeater hub, multiport repeater or hub is a device for connecting multiple Ethernet devices together and making them act as a single network segment.
Router		Represents a generic Cisco Router.
Router - 2600- 3600 Series		Represents a Cisco router equipped with Voice Over IP capabilities such as CallManager Express Software (CME).
Router - ARS 7500(7513) Series		Represents a Cisco 7513 Aggregation Services Router (ARS). A Cisco ARS provide advanced services at wirespeed, high bandwidth specialized WAN connectivity (SONET, DS3+, etc).








Router - ARS 7505		Represents a Cisco 7505 Aggregation Services Router (ARS). A Cisco ARS provide advanced services at wirespeed, high bandwidth specialized WAN connectivity (SONET, DS3+, etc).
Router - ARS 7507		Represents a Cisco 7507 Aggregation Services Router (ARS). A Cisco ARS provide advanced services at wirespeed, high bandwidth specialized WAN connectivity (SONET, DS3+, etc).
Edge ATM Switch with ATM Router Module		Represents a Cisco edge ATM switch equipped with an ATM Router module. This module adds L3 capabilities to an L2 ATM switch.
Core ATM Switch with ATM Router Module		Represents a Cisco core ATM switch equipped with an ATM Router module. This module adds L3 capabilities to an L2 ATM switch.
Router - GK (gatekeeper)		Represents a VoIP Gatekeeper (GK). A GK is the central control entity that performs management functions in a Voice over IP network and for multimedia applications such as video conferencing.
Router - IP Telephony		Represents a Cisco router equipped with CallManager Express Software (CME).
Router - NetSonar		Represents a Cisco NetSonar. Cisco NetSonar is a software tool designed to investigate vulnerable systems within a network and report the vulnerabilities to the network administrator.




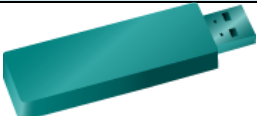




Router - Optical Service		Represents a Cisco Optical Services Router (OSR)
Router - Silicon switch		Represents a High Performance Cisco Router.
Router - Storage		Represents a Cisco SN Storage Router. Designed to facilitate the installation of Direct Attached Storage (DAS) to a network environment.
Router - Universal Broadband		Represents a Cisco Universal Broadband Router (uBR). Cisco uBR is designed to give cable operator companies an IOS-based cable-modem termination system.
Route Processor Module		Represents a Route Processor Module
Router - Wireless		Represents a Wireless Router. A wireless Router is a device that performs the functions of a router with an added wireless interface.
Satellite		Represents a Communications Satellite (comsat). A comsat is an artificial satellite sent to space for the purpose of telecommunications.
Satellite Dish		Represents a Satellite Dish Antenna. This is a dish-shaped type of parabolic antenna designed to receive microwaves from communications satellites.









Police Manager or Director		Represents Police Manager or Director Server. A policy manager or director server is used to manage enterprise level security for medium to large networks.
Server SIP Proxy		Represents a SIP server or proxy. A SIP server is key to a SIP voice environment, performing many call-related functions.
Server - Voice-Enabled Communications Server		Represents a voice-enabled server.
Server - Cisco CA		Represents a Certification Authority Server. A Certificate Authority (CA) Server issues digital certificates to network devices.
Server - Directory		Represents a Directory Server. Directory servers allow organizations to centrally manage and share information on network resources and users while acting as the central authentication point for the network.
Server - File		Represents a File Server. A file server is a computer attached to a network that has the primary purpose of providing a location for shared storage of computer files that can be accessed by the workstations over the network.
Server - TFTP		Represents a Trivial File Transfer Protocol (TFTP) server. TFTP is a file transfer protocol notable for its simplicity. A TFTP server provides TFTP services to a network.





Server - Web		Represents a World Wide Web (WWW) server. WWW is mostly used to deliver web pages to clients. A WWW server provides WWW services to a network. The terms WWW and HTTP (Hypertext Transfer Protocol) are often used interchangeably in this context.
Small Branch Building		Represents a small branch office.
Sonet MUX		Represents a SONET multiplexer.
Switch - ATM		Represents an ATM Switch
Catalyst 6500 Switch equipped with IDS module		Represents a Cisco Catalyst 6500 equipped with an Intrusion Detection System Service Module.
Class 4-5 Switch		This is the switch that connects the subscriber to the local telephone company (LEC) network. It is, essentially, the edge of the PSTN. This terminology is still in use.
Central Office Switch		Represents a Central Office Switch (CO Switch). CO switch is the generic name for the network element in the PSTN that establishes temporary connections between two subscribers.








Multilayer Switch		Represents a modular multilayer switch.
ISDN Switch		Represents an ISDN Switch. ISDN switch is the generic name for the network element in the ISDN cloud that establishes temporary connections between two ISDN subscribers.
Layer 3 Switch		Represents a Cisco Layer 3 Switch. It usually relates to a L2 switch with added L3 routing capabilities.
Layer 3 Switch with NAM		Represents a Cisco Layer 3 Switch (L3 routing capabilities) equipped with a Cisco Network Analysis Module (NAM).
Multilayer Switch		Represents a Cisco Multi-Layer Switch (MLS). MLS offloads a significant portion of routing to hardware, considerably increasing performance.
Switch - PBX		Represents a legacy PBX switch. Traditionally, a small business PBX (Private Branch Exchange) is a telephone switching system that manages incoming and outgoing calls for a company's internal users.
Multilayer Switch with Route Processor		Represents a Catalyst Switch equipped with a Route Processor Module (RP).
Multilayer Switch with Route Processor (Silicon Switch)		Represents a High-performance silicon switch processor (SSP) for Cisco 7000 series routers that provides distributed processing and control for interface processors.



Multilayer Switch with Route Processor and NAM		Represents a Catalyst Switch equipped with a Route Processor Module (RP) and a Network Analysis Module (NAM).
Workgroup Switch		Represents a network switch. The term commonly refers to a multi-port network bridge that processes and routes data at the data link layer of the OSI model.
Token Ring		Represents a Token Ring network topology. Token ring LAN technology is a protocol which relies on token-possession: A device connected to a token ring can only transmit upon token possession.
Transpath		Represents a Cisco TransPath device. It is usually associated with ATM multiservice switches.
Trash Can		Represents a trash can. Usually related to discarding information.
Trash Can (opened)		Represents a trash can. Usually related to discarding information.
TV		TV

TelePresence		Represents Cisco TelePresence equipment. Usually related to Cisco TelePresence protocols.
University		Represents an university building.
UPS		Represents a generic Uninterrupted Power Supply (UPS)
USB Drive		Represents a generic USB drive
Video Camera		Video Camera
Virtual Switch Controller		Represents a virtual controller used in the Cisco Virtual Switch Architecture.
VPN Concentrator		VPN Concentrators are devices used to terminate VPNs.
VPN Tunnel		VPN Tunnel

VPN Tunnel - Gray		VPN Tunnel
Serial Line (solid line)		Represents a serial link. Usually related to leased line and/or packet-switched WANs.
Serial Line (dashed line)		Represents a serial link. Usually related to circuit-switched WANs.
Web Cam		Web Camera. Usually related to video over IP.
WLAN Controller		Represents a wireless LAN controller (WLC). WLC are used in combination with the Lightweight Access Point Protocol (LWAPP) to manage light-weight access points in large quantities.
Wireless Signal		Wireless signal. Usually represents the invisible connection between wireless devices.
World		World map. Usually related to world-wide communication.
Yagi Antenna		A Yagi antenna is a directional antenna consisting of a driven element and additional parasitic elements. This design achieves a very substantial increase in the antenna's directionality and gain compared to a simple dipole.

End User Female		End User Female. Usually represents an authorized user.
End User Male		End User Male. Usually represents an authorized user.
Unauthorized User– Back View		Represents an attacker or malicious user.
Unauthorized User Male		Represents an attacker or malicious user.

Envelope - attack packet		Red envelope. Usually represents a message with dangerous or malicious content.
Envelope - closed action		Moving envelope. Usually represents in-transit message
Envelope - closed static		Closed envelope. Usually represents an unread message.
Envelope - open static		Open envelope. Usually represents a read message
Fire Extinguisher		Fire Extinguisher
Fire or Explosion		Fire or Explosion. Usually related to an system or network disruptive event.
Globe		Represents the global. Usually related to global communication.

Not Allowed		Not allowed sign. Usually related to a Spanning Tree Protocol blocked link.
Red X		Red X. Usually related to a failed link or device.