

Teacher Resources

Acronym Glossary: Computer Networking Hardware Operations I-IV

AAA	authentication, authorization, and accounting
ACL	access control list
API	application programming interfaces
ARP	Address Resolution Protocol
BIOS	basic input/output system
BPDU	bridge protocol data unit
BYOD	bring your own device
CAPWAP	control and provisioning of wireless access points
CDP	Cisco Discovery Protocol
CLI	command-line interface
DHCP	dynamic host configuration protocol
DNA	(Cisco) Digital Network Architecture
DNS	Domain Name Service
DR/BDR	designated router/backup designated router
DTP	Dynamic Trunking Protocol
FHRP	first hop redundancy protocol
FTP	file transfer protocol
GUA	global unicast address
HSRP	Hot Standby Router Protocol
IBN	intent-based networking
ICMP	Internet Control Messaging Protocol
ICT	information and communications technology
IOS	(Cisco) Internetwork Operating System

IoT	Internet of Things
IP	Internet Protocol
IPsec	IP security
IT	information technology
JSON	JavaScript object notation
LAN	local area network
LLA	link-local address
LLDP	link layer discovery protocol
LSA	link state advertisement
LSU	link state update
MAC	media access control
NAT	network address translation
NTP	network time protocol
OSI	Open Systems Interconnection
OSPF	open shortest path first
PAT	port address translation
PC	personal computer
PDU	protocol data unit
PSK	pre-shared key
QoS	quality of service
REST	representational state transfer
SLAAC	stateless address autoconfiguration
SMB	service message block
SNMP	simple network management protocol
STP	spanning tree protocol
STP	Shielded Twisted Pair
syslog	System Logging Protocol
TCP	transmission control protocol
UDP	user datagram protocol
UEFI	Unified Extensible Firmware Interface

UTP	unshielded twisted pair
VLAN	virtual local area network
VLSM	variable-length subnet masking
VPN	virtual private network
VTY	virtual terminal line
WAN	wide area network
WLAN	wireless local area network
WLC	wireless LAN controller
WPA	Wi-Fi protected access
XML	extensible markup language
YAML	yet another markup language