

Network+ Acronym List

The following is a list of acronyms that appear on the CompTIA Network+ exam. Candidates are encouraged to review the complete list and attain a working knowledge of all listed acronyms as a part of a comprehensive exam preparation program.

ACRONYM	SPELLED OUT	ACRONYM	SPELLED OUT
AAA	Authentication Authorization and Accounting	CARP	Common Address Redundancy Protocol
AAAA	Authentication, Authorization, Accounting and Auditing	CASB	Cloud Access Security Broker
ACL	Access Control List	CAT	Category
ADSL	Asymmetric Digital Subscriber Line	CCMP	Counter-mode Cipher Block Chaining Message Authentication Code Protocol
AES	Advanced Encryption Standard	CCTV	Closed Circuit TV
AH	Authentication Header	CDMA	Code Division Multiple Access
AP	Access Point	CSMA/CD	Carrier Sense Multiple Access/Collision Detection
APC	Angle Polished Connector	CHAP	Challenge Handshake Authentication Protocol
APIPA	Automatic Private Internet Protocol Addressing	CIDR	Classless Inter-Domain Routing
APT	Advanced Persistent Tool	CIFS	Common Internet File System
ARIN	American Registry for Internet Numbers	CNAME	Canonical Name
ARP	Address Resolution Protocol	CoS	Class of Service
AS	Autonomous System	CPU	Central Processing Unit
ASCII	American Standard Code for Information Exchange	CRAM-MD5	Challenge-Response Authentication Mechanism-Message Digest 5
ASIC	Application Specific Integrated Circuit	CRC	Cyclic Redundancy Checking
ASP	Application Service Provider	CSMA/CA	Carrier Sense Multiple Access/Collision Avoidance
ATM	Asynchronous Transfer Mode	CSU	Channel Service Unit
AUP	Acceptable Use Policy	CVE	Common Vulnerabilities and Exposures
Auto-MDX	Automatic Medium-Dependent Interface Crossover	CVW	Collaborative Virtual Workspace
BCP	Business Continuity Plan	CWDM	Coarse Wave Division Multiplexing
BERT	Bit-Error Rate Test	Daas	Desktop as a Service
BGP	Border Gateway Protocol	dB	Decibel
BLE	Bluetooth Low Energy	DCS	Distributed Computer System
BNC	British Naval Connector/Bayonet Niell-Concelman	DDoS	Distributed Denial of Service
BootP	Boot Protocol/Bootstrap Protocol	DHCP	Dynamic Host Configuration Protocol
BPDU	Bridge Protocol Data Unit	DLC	Data Link Control
BRI	Basic Rate Interface	DLP	Data Loss Prevention
BSSID	Basic Service Set Identifier	DLR	Device Level Ring
BYOD	Bring Your Own Device	DMVPN	Dynamic Multipoint Virtual Private Network
CaaS	Communication as a Service	DMZ	Demilitarized Zone
CAM	Content Addressable Memory	DNAT	Destination Network Address Translation
CAN	Campus Area Network	DNS	Domain Name Service/Domain Name Server/Domain Name System

ACRONYM	SPELLED OUT	ACRONYM	SPELLED OUT
DOCSIS	Data-Over-Cable Service Interface Specification	Hz	Hertz
DoS	Denial of Service	IaaS	Infrastructure as a Service
DPI	Deep Packet Inspection	IANA	Internet Assigned Numbers Authority
DR	Designated Router	ICA	Independent Computer Architecture
DSCP	Differentiated Services Code Point	ICANN	Internet Corporation for Assigned Names and Numbers
DSL	Digital Subscriber Line	ICMP	Internet Control Message Protocol
DSSS	Direct Sequence Spread Spectrum	ICS	Internet Connection Sharing/Industrial Control System
DSU	Data Service Unit	IDF	Intermediate Distribution Frame
DTLS	Datagram Transport Layer Security	IDS	Intrusion Detection System
DWDM	Dense Wavelength Division Multiplexing	IEEE	Institute of Electrical and Electronics Engineers
E1	E-Carrier Level 1	IGMP	Internet Group Message Protocol
EAP	Extensible Authentication Protocol	IGP	Interior Gateway Protocol
EBCDIC	Extended Binary Coded Decimal Interchange Code	IGRP	Interior Gateway Routing Protocol
EDNS	Extension Mechanisms for DNS	IKE	Internet Key Exchange
EGP	Exterior Gateway Protocol	IMAP4	Internet Message Access Protocol version 4
EMI	Electromagnetic Interference	InterNIC	Internet Network Information Center
ESD	Electrostatic Discharge	IoT	Internet of Things
ESP	Encapsulated Security Payload	IP	Internet Protocol
ESSID	Extended Service Set Identifier	IPAM	IP Address Management
EUI	Extended Unique Identifier	IPS	Intrusion Prevention System
FC	Fibre Channel	IPSec	Internet Protocol Security
FCoE	Fibre Channel over Ethernet	IPv4	Internet Protocol version 4
FCS	Frame Check Sequence	IPv6	Internet Protocol version 6
FDM	Frequency Division Multiplexing	ISAKMP	Internet Security Association and Key Management Protocol
FHSS	Frequency Hopping Spread Spectrum	ISDN	Integrated Services Digital Network
FM	Frequency Modulation	IS-IS	Intermediate System to Intermediate System
FQDN	Fully Qualified Domain Name	ISP	Internet Service Provider
FTP	File Transfer Protocol	IT	Information Technology
FTPS	File Transfer Protocol Security	ITS	Intelligent Transportation System
GBIC	Gigabit Interface Converter	IV	Initialization Vector
Gbps	Gigabits per second	Kbps	Kilobits per second
GLBP	Gateway Load Balancing Protocol	KVM	Keyboard Video Mouse
GPG	GNU Privacy Guard	L2TP	Layer 2 Tunneling Protocol
GRE	Generic Routing Encapsulation	LACP	Link Aggregation Control Protocol
GSM	Global System for Mobile Communications	LAN	Local Area Network
HA	High Availability	LC	Local Connector
HDLC	High-Level Data Link Control	LDAP	Lightweight Directory Access Protocol
HDMI	High-Definition Multimedia Interface	LEC	Local Exchange Carrier
HIDS	Host Intrusion Detection System	LED	Light Emitting Diode
HIPS	Host Intrusion Prevention System	LLC	Logical Link Control
HSPA	High-Speed Packet Access	LLDP	Link Layer Discovery Protocol
HSRP	Hot Standby Router Protocol	LSA	Link State Advertisements
HT	High Throughput	LTE	Long Term Evolution
HTTP	Hypertext Transfer Protocol		
HTTPS	Hypertext Transfer Protocol Secure		
HVAC	Heating, Ventilation and Air Conditioning		

ACRONYM	SPELLED OUT
LWAPP	Light Weight Access Point Protocol
MaaS	Mobility as a Service
MAC	Media Access Control/Medium Access Control
MAN	Metropolitan Area Network
Mbps	Megabits per second
MBps	Megabytes per second
MDF	Main Distribution Frame
MDI	Media Dependent Interface
MDIX	Media Dependent Interface Crossover
MFA	Multifactor Authentication
MGCP	Media Gateway Control Protocol
MIB	Management Information Base
MIMO	Multiple Input, Multiple Output
MLA	Master License Agreement/ Multilateral Agreement
MMF	Multimode Fiber
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MPLS	Multiprotocol Label Switching
MS-CHAP	Microsoft Challenge Handshake Authentication Protocol
MSA	Master Service Agreement
MSDS	Material Safety Data Sheet
MT-RJ	Mechanical Transfer-Registered Jack
MTU	Maximum Transmission Unit
MTTR	Mean Time To Recovery
MTBF	Mean Time Between Failures
MU-MIMO	Multiuser Multiple Input, Multiple Output
MX	Mail Exchanger
NAC	Network Access Control
NAS	Network Attached Storage
NAT	Network Address Translation
NCP	Network Control Protocol
NDR	Non-Delivery Receipt
NetBEUI	Network Basic Input/Output Extended User Interface
NetBIOS	Network Basic Input/Output System
NFC	Near Field Communication
NFS	Network File Service
NGFW	Next-Generation Firewall
NIC	Network Interface Card
NIDS	Network Intrusion Detection System
NIPS	Network Intrusion Prevention System
NIU	Network Interface Unit
nm	Nanometer
NNTP	Network News Transport Protocol

ACRONYM	SPELLED OUT
NTP	Network Time Protocol
OCSP	Online Certificate Status Protocol
OCx	Optical Carrier
OID	Object Identifier
OOB	Out of Band
OS	Operating System
OSI	Open Systems Interconnect
OSPF	Open Shortest Path First
OTDR	Optical Time Domain Reflectometer
OUI	Organizationally Unique Identifier
PaaS	Platform as a Service
PAN	Personal Area Network
PAP	Password Authentication Protocol
PAT	Port Address Translation
PC	Personal Computer
PCM	Phase-Change Memory
PDOS	Permanent Denial of Service
PDU	Protocol Data Unit
PGP	Pretty Good Privacy
PKI	Public Key Infrastructure
PoE	Power over Ethernet
POP	Post Office Protocol
POP3	Post Office Protocol version 3
POTS	Plain Old Telephone Service
PPP	Point-to-Point Protocol
PPPoE	Point-to-Point Protocol over Ethernet
PPTP	Point-to-Point Tunneling Protocol
PRI	Primary Rate Interface
PSK	Pre-Shared Key
PSTN	Public Switched Telephone Network
PTP	Point-to-Point
PTR	Pointer
PUA	Privileged User Agreement
PVC	Permanent Virtual Circuit
QoS	Quality of Service
QSFP	Quad Small Form-Factor Pluggable
RADIUS	Remote Authentication Dial-In User Service
RARP	Reverse Address Resolution Protocol
RAS	Remote Access Service
RDP	Remote Desktop Protocol
RF	Radio Frequency
RFI	Radio Frequency Interference
RFP	Request for Proposal
RG	Radio Guide
RIP	Routing Internet Protocol
RJ	Registered Jack

ACRONYM	SPELLED OUT
RPO	Recovery Point Objective
RSA	Rivest, Shamir, Adelman
RSH	Remote Shell
RSTP	Rapid Spanning Tree Protocol
RTO	Recovery Time Objective
RTP	Real-Time Protocol
RTSP	Real-Time Streaming Protocol
RTT	Round Trip Time or Real Transfer Time
SA	Security Association
SaaS	Software as a Service
SAN	Storage Area Network
SC	Standard Connector/Subscriber Connector
SCADA	Supervisory Control and Data Acquisition
SCP	Secure Copy Protocol
SCSI	Small Computer System Interface
SDLC	Software Development Life Cycle
SDN	Software Defined Network
SDP	Session Description Protocol
SDSL	Symmetrical Digital Subscriber Line
SECaaS	Security as a Service
SFP	Small Form-factor Pluggable
SFTP	Secure File Transfer Protocol
SGCP	Simple Gateway Control Protocol
SHA	Secure Hash Algorithm
SIEM	Security Information and Event Management
SIP	Session Initiation Protocol
SLA	Service Level Agreement
SLAAC	Stateless Address Auto Configuration
SLIP	Serial Line Internet Protocol
SMB	Server Message Block
SMF	Single-Mode Fiber
SMS	Short Message Service
SMTP	Simple Mail Transfer Protocol
SNAT	Static Network Address Translation/Source Network Address Translation
SNMP	Simple Network Management Protocol
SNR	Signal-to-Noise Ratio
SNTP	Simple Network Time Protocol
SOA	Start of Authority
SOHO	Small Office Home Office
SONET	Synchronous Optical Network
SOP	Standard Operating Procedure
SOW	Statement of Work
SPB	Shortest Path Bridging
SPI	Stateful Packet Inspection
SPS	Standby Power Supply
SSH	Secure Shell

ACRONYM	SPELLED OUT
SSID	Service Set Identifier
SSL	Secure Sockets Layer
SSO	Single Sign-on
ST	Straight Tip or Snap Twist
STP	Spanning Tree Protocol/Shielded Twisted Pair
SVC	Switched Virtual Circuit
SYSLOG	System Log
T1	Terrestrial Carrier Level 1
TA	Terminal Adaptor
TACACS	Terminal Access Control Access Control System
TACACS+	Terminal Access Control Access Control System+
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TDM	Time Division Multiplexing
TDR	Time Domain Reflectometer
Telco	Telecommunications Company
TFTP	Trivial File Transfer Protocol
TIA/EIA	Telecommunication Industries Association/ Electronic Industries Alliance
TKIP	Temporal Key Integrity Protocol
TLS	Transport Layer Security
TMS	Transportation Management System
TOS	Type of Service
TPM	Trusted Platform Module
TTL	Time to Live
TTLS	Tunneled Transport Layer Security
UC	Unified Communications
UDP	User Datagram Protocol
UNC	Universal Naming Convention
UPC	Ultra Polished Connector
UPS	Uninterruptible Power Supply
URL	Uniform Resource Locator
USB	Universal Serial Bus
UTM	Unified Threat Management
UTP	Unshielded Twisted Pair
VDSL	Variable Digital Subscriber Line
VLAN	Virtual Local Area Network
VLSM	Variable Length Subnet Mask
VNC	Virtual Network Connection
VoIP	Voice over IP
VPN	Virtual Private Network
VRF	Virtual Routing Forwarding
RRP	Virtual Router Redundancy Protocol
VTC	Video Teleconference
VTP	VLAN Trunk Protocol
WAF	Web Application Firewall
WAN	Wide Area Network