

CompTIA Security+ SY0-701 Acronym List

The following is a list of acronyms that could potentially appear on the CompTIA Security+ SY0-701 exam. You are encouraged to review the complete list and be able to describe each acronym as part of your comprehensive exam preparation program.

Acronym	Spelled Out	Acronym	Spelled Out
AAA	Authentication, Authorization, and Accounting	CHAP	Challenge Handshake Authentication Protocol
ACL	Access Control List	CIA	Confidentiality, Integrity, Availability
AES	Advanced Encryption Standard	CIO	Chief Information Officer
AES-256	Advanced Encryption Standards 256-bit	CIRT	Computer Incident Response Team
AH	Authentication Header	CMS	Content Management System
AI	Artificial Intelligence	COOP	Continuity of Operation Planning
AIS	Automated Indicator Sharing	COPE	Corporate Owned, Personally Enabled
ALE	Annualized Loss Expectancy	CP	Contingency Planning
AP	Access Point	CRC	Cyclical Redundancy Check
API	Application Programming Interface	CRL	Certificate Revocation List
APT	Advanced Persistent Threat	CSO	Chief Security Officer
ARO	Annualized Rate of Occurrence	CSP	Cloud Service Provider
ARP	Address Resolution Protocol	CSR	Certificate Signing Request
ASLR	Address Space Layout Randomization	CSRF	Cross-site Request Forgery
ATT&CK	Adversarial Tactics, Techniques, and Common Knowledge	CSU	Channel Service Unit
AUP	Acceptable Use Policy	CTM	Counter Mode
AV	Antivirus	CTO	Chief Technology Officer
BASH	Bourne Again Shell	CVE	Common Vulnerability Enumeration
BCP	Business Continuity Planning	CVSS	Common Vulnerability Scoring System
BGP	Border Gateway Protocol	CYOD	Choose Your Own Device
BIA	Business Impact Analysis	DAC	Discretionary Access Control
BIOS	Basic Input/Output System	DBA	Database Administrator
BPA	Business Partners Agreement	DDoS	Distributed Denial of Service
BPDU	Bridge Protocol Data Unit	DEP	Data Execution Prevention
BYOD	Bring Your Own Device	DES	Digital Encryption Standard
CA	Certificate Authority	DHCP	Dynamic Host Configuration Protocol
CAPTCHA	Completely Automated Public Turing Test to Tell Computers and Humans Apart	DHE	Diffie-Hellman Ephemeral
CAR	Corrective Action Report	DKIM	DomainKeys Identified Mail
CASB	Cloud Access Security Broker	DLL	Dynamic Link Library
CBC	Cipher Block Chaining	DLP	Data Loss Prevention
CCMP	Counter Mode/CBC-MAC Protocol	DMARC	Domain Message Authentication Reporting and Conformance
CCTV	Closed-circuit Television	DNAT	Destination Network Address Translation
CERT	Computer Emergency Response Team	DNS	Domain Name System
CFB	Cipher Feedback	DoS	Denial of Service
		DPO	Data Privacy Officer



Acronym Spelled Out

DRP	Disaster Recovery Plan
DSA	Digital Signature Algorithm
DSL	Digital Subscriber Line
EAP	Extensible Authentication Protocol
ECB	Electronic Code Book
ECC	Elliptic Curve Cryptography
ECDHE	Elliptic Curve Diffie-Hellman Ephemeral
ECDSA	Elliptic Curve Digital Signature Algorithm
EDR	Endpoint Detection and Response
EFS	Encrypted File System
ERP	Enterprise Resource Planning
ESN	Electronic Serial Number
ESP	Encapsulated Security Payload
FACL	File System Access Control List
FDE	Full Disk Encryption
FIM	File Integrity Management
FPGA	Field Programmable Gate Array
FRR	False Rejection Rate
FTP	File Transfer Protocol
FTPS	Secured File Transfer Protocol
GCM	Galois Counter Mode
GDPR	General Data Protection Regulation
GPG	Gnu Privacy Guard
GPO	Group Policy Object
GPS	Global Positioning System
GPU	Graphics Processing Unit
GRE	Generic Routing Encapsulation
HA	High Availability
HDD	Hard Disk Drive
HIDS	Host-based Intrusion Detection System
HIPS	Host-based Intrusion Prevention System
HMAC	Hashed Message Authentication Code
HOTP	HMAC-based One-time Password
HSM	Hardware Security Module
HTML	Hypertext Markup Language
HTTP	Hypertext Transfer Protocol
HTTPS	Hypertext Transfer Protocol Secure
HVAC	Heating, Ventilation Air Conditioning
IaaS	Infrastructure as a Service
IaC	Infrastructure as Code
IAM	Identity and Access Management
ICMP	Internet Control Message Protocol
ICS	Industrial Control Systems
IDEA	International Data Encryption Algorithm
IDF	Intermediate Distribution Frame
IdP	Identity Provider
IDS	Intrusion Detection System

Acronym Spelled Out

IEEE	Institute of Electrical and Electronics Engineers
IKE	Internet Key Exchange
IM	Instant Messaging
IMAP	Internet Message Access Protocol
IoC	Indicators of Compromise
IoT	Internet of Things
IP	Internet Protocol
IPS	Intrusion Prevention System
IPSec	Internet Protocol Security
IR	Incident Response
IRC	Internet Relay Chat
IRP	Incident Response Plan
ISO	International Standards Organization
ISP	Internet Service Provider
ISSO	Information Systems Security Officer
IV	Initialization Vector
KDC	Key Distribution Center
KEK	Key Encryption Key
L2TP	Layer 2 Tunneling Protocol
LAN	Local Area Network
LDAP	Lightweight Directory Access Protocol
LEAP	Lightweight Extensible Authentication Protocol
MaaS	Monitoring as a Service
MAC	Mandatory Access Control
MAC	Media Access Control
MAC	Message Authentication Code
MAN	Metropolitan Area Network
MBR	Master Boot Record
MD5	Message Digest 5
MDF	Main Distribution Frame
MDM	Mobile Device Management
MFA	Multifactor Authentication
MFD	Multifunction Device
MFP	Multifunction Printer
ML	Machine Learning
MMS	Multimedia Message Service
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MPLS	Multi-protocol Label Switching
MSA	Master Service Agreement
MSCHAP	Microsoft Challenge Handshake Authentication Protocol
MSP	Managed Service Provider
MSSP	Managed Security Service Provider
MTBF	Mean Time Between Failures
MTTF	Mean Time to Failure



Acronym	Spelled Out	Acronym	Spelled Out
MTTR	Mean Time to Recover	PKI	Public Key Infrastructure
MTU	Maximum Transmission Unit	POP	Post Office Protocol
NAC	Network Access Control	POTS	Plain Old Telephone Service
NAT	Network Address Translation	PPP	Point-to-Point Protocol
NDA	Non-disclosure Agreement	PPTP	Point-to-Point Tunneling Protocol
NFC	Near Field Communication	PSK	Pre-shared Key
NGFW	Next-generation Firewall	PTZ	Pan-tilt-zoom
NIDS	Network-based Intrusion Detection System	PUP	Potentially Unwanted Program
NIPS	Network-based Intrusion Prevention System	RA	Recovery Agent
NIST	National Institute of Standards & Technology	RA	Registration Authority
NTFS	New Technology File System	RACE	Research and Development in Advanced Communications Technologies in Europe
NTLM	New Technology LAN Manager		
NTP	Network Time Protocol	RAD	Rapid Application Development
OAuth	Open Authorization	RADIUS	Remote Authentication Dial-in User Service
OCSP	Online Certificate Status Protocol	RAID	Redundant Array of Inexpensive Disks
OID	Object Identifier	RAS	Remote Access Server
OS	Operating System	RAT	Remote Access Trojan
OSINT	Open-source Intelligence	RBAC	Role-based Access Control
OSPF	Open Shortest Path First	RBAC	Rule-based Access Control
OT	Operational Technology	RC4	Rivest Cipher version 4
OTA	Over the Air	RDP	Remote Desktop Protocol
OVAL	Open Vulnerability Assessment Language	RFID	Radio Frequency Identifier
P12	PKCS #12	RIPEMD	RACE Integrity Primitives Evaluation Message Digest
P2P	Peer to Peer	ROI	Return on Investment
PaaS	Platform as a Service	RPO	Recovery Point Objective
PAC	Proxy Auto Configuration	RSA	Rivest, Shamir, & Adleman
PAM	Privileged Access Management	RTBH	Remotely Triggered Black Hole
PAM	Pluggable Authentication Modules	RTO	Recovery Time Objective
PAP	Password Authentication Protocol	RTOS	Real-time Operating System
PAT	Port Address Translation	RTP	Real-time Transport Protocol
PBKDF2	Password-based Key Derivation Function 2	S/MIME	Secure/Multipurpose Internet Mail Extensions
PBX	Private Branch Exchange		
PCAP	Packet Capture	SaaS	Software as a Service
PCI DSS	Payment Card Industry Data Security Standard	SAE	Simultaneous Authentication of Equals
PDU	Power Distribution Unit	SAML	Security Assertions Markup Language
PEAP	Protected Extensible Authentication Protocol	SAN	Storage Area Network
		SAN	Subject Alternative Name
PED	Personal Electronic Device	SASE	Secure Access Service Edge
PEM	Privacy Enhanced Mail	SCADA	Supervisory Control and Data Acquisition
PFS	Perfect Forward Secrecy	SCAP	Security Content Automation Protocol
PGP	Pretty Good Privacy	SCEP	Simple Certificate Enrollment Protocol
PHI	Personal Health Information	SD-WAN	Software-defined Wide Area Network
PII	Personally Identifiable Information	SDK	Software Development Kit
PIV	Personal Identity Verification	SDLC	Software Development Lifecycle
PKCS	Public Key Cryptography Standards	SDLM	Software Development Lifecycle Methodology

Acronym Spelled Out

SDN	Software-defined Networking
SE Linux	Security-enhanced Linux
SED	Self-encrypting Drives
SEH	Structured Exception Handler
SFTP	Secured File Transfer Protocol
SHA	Secure Hashing Algorithm
SHTTP	Secure Hypertext Transfer Protocol
SIEM	Security Information and Event Management
SIM	Subscriber Identity Module
SLA	Service-level Agreement
SLE	Single Loss Expectancy
SMS	Short Message Service
SMTP	Simple Mail Transfer Protocol
SMTPS	Simple Mail Transfer Protocol Secure
SNMP	Simple Network Management Protocol
SOAP	Simple Object Access Protocol
SOAR	Security Orchestration, Automation, Response
SoC	System on Chip
SOC	Security Operations Center
SOW	Statement of Work
SPF	Sender Policy Framework
SPIM	Spam over Internet Messaging
SQL	Structured Query Language
SQLi	SQL Injection
SRTP	Secure Real-Time Protocol
SSD	Solid State Drive
SSH	Secure Shell
SSL	Secure Sockets Layer
SSO	Single Sign-on
STIX	Structured Threat Information eXchange
SWG	Secure Web Gateway
TACACS+	Terminal Access Controller Access Control System
TAXII	Trusted Automated eXchange of Indicator Information
TCP/IP	Transmission Control Protocol/Internet Protocol
TGT	Ticket Granting Ticket
TKIP	Temporal Key Integrity Protocol
TLS	Transport Layer Security
TOC	Time-of-check

Acronym Spelled Out

TOTP	Time-based One-time Password
TOU	Time-of-use
TPM	Trusted Platform Module
TTP	Tactics, Techniques, and Procedures
TSIG	Transaction Signature
UAT	User Acceptance Testing
UAV	Unmanned Aerial Vehicle
UDP	User Datagram Protocol
UEFI	Unified Extensible Firmware Interface
UEM	Unified Endpoint Management
UPS	Uninterruptable Power Supply
URI	Uniform Resource Identifier
URL	Universal Resource Locator
USB	Universal Serial Bus
USB OTG	USB On the Go
UTM	Unified Threat Management
UTP	Unshielded Twisted Pair
VBA	Visual Basic
VDE	Virtual Desktop Environment
VDI	Virtual Desktop Infrastructure
VLAN	Virtual Local Area Network
VLSM	Variable Length Subnet Masking
VM	Virtual Machine
VoIP	Voice over IP
VPC	Virtual Private Cloud
VPN	Virtual Private Network
VTC	Video Teleconferencing
WAF	Web Application Firewall
WAP	Wireless Access Point
WEP	Wired Equivalent Privacy
WIDS	Wireless Intrusion Detection System
WIPS	Wireless Intrusion Prevention System
WO	Work Order
WPA	Wi-Fi Protected Access
WPS	Wi-Fi Protected Setup
WTLS	Wireless TLS
XDR	Extended Detection and Response
XML	Extensible Markup Language
XOR	Exclusive Or
XSRF	Cross-site Request Forgery
XSS	Cross-site Scripting

