

Security+ (SY0-601) Acronym List

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

ACRONYM	DEFINITION	ACRONYM	DEFINITION
3DES	Triple Data Encryption Standard	CAR	Corrective Action Report
AAA	Authentication, Authorization, and Accounting	CASB	Cloud Access Security Broker
ABAC	Attribute-based Access Control	CBC	Cipher Block Chaining
ACL	Access Control List	CBT	Computer-based Training
AD	Active Directory	CCMP	Counter-Mode/CBC-MAC Protocol
AES	Advanced Encryption Standard	CCTV	Closed-Circuit Television
AES256	Advanced Encryption Standards 256bit	CERT	Computer Emergency Response Team
AH	Authentication Header	CFB	Cipher Feedback
AI	Artificial Intelligence	CHAP	Challenge-Handshake Authentication Protocol
AIS	Automated Indicator Sharing	CIO	Chief Information Officer
ALE	Annualized Loss Expectancy	CIRT	Computer Incident Response Team
AP	Access Point	CIS	Center for Internet Security
API	Application Programming Interface	CMS	Content Management System
APT	Advanced Persistent Threat	CN	Common Name
ARO	Annualized Rate of Occurrence	COOP	Continuity of Operations Planning
ARP	Address Resolution Protocol	COPE	Corporate-owned Personally Enabled
ASLR	Address Space Layout Randomization	CP	Contingency Planning
ASP	Active Server Pages	CRC	Cyclic Redundancy Check
ATT&CK	Adversarial Tactics, Techniques, and Common Knowledge	CRL	Certificate Revocation List
AUP	Acceptable Use Policy	CSA	Cloud Security Alliance
AV	Antivirus	CSIRT	Computer Security Incident Response Team
BASH	Bourne Again Shell	CSO	Chief Security Officer
BCP	Business Continuity Planning	CSP	Cloud Service Provider
BGP	Border Gateway Protocol	CSR	Certificate Signing Request
BIA	Business Impact Analysis	CSRF	Cross-Site Request Forgery
BIOS	Basic Input/Output System	CSU	Channel Service Unit
BPA	Business Partnership Agreement	CTM	Counter-Mode
BPDU	Bridge Protocol Data Unit	CTO	Chief Technology Officer
BSSID	Basic Service Set Identifier	CVE	Common Vulnerabilities and Exposures
BYOD	Bring Your Own Device	CVSS	Common Vulnerability Scoring System
CA	Certificate Authority	CYOD	Choose Your Own Device
CAPTCHA	Completely Automated Public Turing Test to Tell Computers and Humans Apart	DAC	Discretionary Access Control
		DBA	Database Administrator
		DDoS	Distributed Denial-of-Service
		DEP	Data Execution Prevention

ACRONYM	DEFINITION	ACRONYM	DEFINITION
DER	Distinguished Encoding Rules	HSM	Hardware Security Module
DES	Data Encryption Standard	HSaaS	Hardware Security Module as a Service
DHCP	Dynamic Host Configuration Protocol	HTML	Hypertext Markup Language
DHE	Diffie-Hellman Ephemeral	HTTP	Hypertext Transfer Protocol
DKIM	Domain Keys Identified Mail	HTTPS	Hypertext Transfer Protocol Secure
DLL	Dynamic-link Library	HVAC	Heating, Ventilation, Air Conditioning
DLP	Data Loss Prevention	IaaS	Infrastructure as a Service
DMARC	Domain Message Authentication Reporting and Conformance	IAM	Identity and Access Management
DNAT	Destination Network Address Transaction	ICMP	Internet Control Message Protocol
DNS	Domain Name System	ICS	Industrial Control Systems
DNSSEC	Domain Name System Security Extensions	IDEA	International Data Encryption Algorithm
DoS	Denial-of-Service	IDF	Intermediate Distribution Frame
DPO	Data Protection Officer	IdP	Identity Provider
DRP	Disaster Recovery Plan	IDS	Intrusion Detection System
DSA	Digital Signature Algorithm	IEEE	Institute of Electrical and Electronics Engineers
DSL	Digital Subscriber Line	IKE	Internet Key Exchange
EAP	Extensible Authentication Protocol	IM	Instant Messaging
ECB	Electronic Code Book	IMAP4	Internet Message Access Protocol v4
ECC	Elliptic-curve Cryptography	IoC	Indicators of Compromise
ECDHE	Elliptic-curve Diffie-Hellman Ephemeral	IoT	Internet of Things
ECDSA	Elliptic-curve Digital Signature Algorithm	IP	Internet Protocol
EDR	Endpoint Detection and Response	IPS	Intrusion Prevention System
EFS	Encrypted File System	IPSec	Internet Protocol Security
EIP	Extended Instruction Pointer	IR	Incident Response
EOL	End of Life	IRC	Internet Relay Chat
EOS	End of Service	IRP	Incident Response Plan
ERP	Enterprise Resource Planning	ISA	Interconnection Security Agreement
ESN	Electronic Serial Number	ISFW	Internal Segmentation Firewall
ESP	Encapsulating Security Payload	ISO	International Organization for Standardization
ESSID	Extended Service Set Identifier	ISP	Internet Service Provider
FACL	File System Access Control List	ISSO	Information Systems Security Officer
FDE	Full Disk Encryption	ITCP	IT Contingency Plan
FIM	File Integrity Monitoring	IV	Initialization Vector
FPGA	Field Programmable Gate Array	KDC	Key Distribution Center
FRR	False Rejection Rate	KEK	Key Encryption Key
FTP	File Transfer Protocol	L2TP	Layer 2 Tunneling Protocol
FTPS	Secured File Transfer Protocol	LAN	Local Area Network
GCM	Galois/Counter Mode	LDAP	Lightweight Directory Access Protocol
GDPR	General Data Protection Regulation	LEAP	Lightweight Extensible Authentication Protocol
GPG	GNU Privacy Guard	MaaS	Monitoring as a Service
GPO	Group Policy Object	MAC	Media Access Control
GPS	Global Positioning System	MAM	Mobile Application Management
GPU	Graphics Processing Unit	MAN	Metropolitan Area Network
GRE	Generic Routing Encapsulation	MBR	Master Boot Record
HA	High Availability	MD5	Message Digest 5
HDD	Hard Disk Drive	MDF	Main Distribution Frame
HIDS	Host-based Intrusion Detection System	MDM	Mobile Device Management
HIPS	Host-based Intrusion Prevention System	MFA	Multifactor Authentication
HMAC	Hash-based Message Authentication Code	MFD	Multifunction Device
HOTP	HMAC-based One-time Password	MFP	Multifunction Printer
		ML	Machine Learning

ACRONYM	DEFINITION	ACRONYM	DEFINITION
MMS	Multimedia Message Service	PCI DSS	Payment Card Industry Data Security Standard
MOA	Memorandum of Agreement	PDU	Power Distribution Unit
MOU	Memorandum of Understanding	PE	Portable Executable
MPLS	Multiprotocol Label Switching	PEAP	Protected Extensible Authentication Protocol
MSA	Measurement Systems Analysis	PED	Portable Electronic Device
MS-CHAP	Microsoft Challenge-Handshake Authentication Protocol	PEM	Privacy Enhanced Mail
MSP	Managed Service Provider	PFS	Perfect Forward Secrecy
MSSP	Managed Security Service Provider	PGP	Pretty Good Privacy
MTBF	Mean Time Between Failures	PHI	Personal Health Information
MTTF	Mean Time to Failure	PII	Personally Identifiable Information
MTTR	Mean Time to Repair	PIN	Personal Identification Number
MTU	Maximum Transmission Unit	PIV	Personal Identity Verification
NAC	Network Access Control	PKCS	Public Key Cryptography Standards
NAS	Network-attached Storage	PKI	Public Key Infrastructure
NAT	Network Address Translation	PoC	Proof of Concept
NDA	Non-disclosure Agreement	POP	Post Office Protocol
NFC	Near-field Communication	POTS	Plain Old Telephone Service
NFV	Network Function Virtualization	PPP	Point-to-Point Protocol
NGFW	Next-generation Firewall	PPTP	Point-to-Point Tunneling Protocol
NG-SWG	Next-generation Secure Web Gateway	PSK	Preshared Key
NIC	Network Interface Card	PTZ	Pan-Tilt-Zoom
NIDS	Network-based Intrusion Detection System	PUP	Potentially Unwanted Program
NIPS	Network-based Intrusion Prevention System	QA	Quality Assurance
NIST	National Institute of Standards & Technology	QoS	Quality of Service
NOC	Network Operations Center	PUP	Potentially Unwanted Program
NTFS	New Technology File System	RA	Registration Authority
NTLM	New Technology LAN Manager	RAD	Rapid Application Development
NTP	Network Time Protocol	RADIUS	Remote Authentication Dial-in User Service
OCSF	Online Certificate Status Protocol	RAID	Redundant Array of Inexpensive Disks
OID	Object Identifier	RAM	Random Access Memory
OS	Operating System	RAS	Remote Access Server
OSI	Open Systems Interconnection	RAT	Remote Access Trojan
OSINT	Open-source Intelligence	RC4	Rivest Cipher version 4
OSPF	Open Shortest Path First	RCS	Rich Communication Services
OT	Operational Technology	RFC	Request for Comments
OTA	Over-The-Air	RFID	Radio Frequency Identification
OTG	On-The-Go	RIPEMD	RACE Integrity Primitives Evaluation Message Digest
OVAL	Open Vulnerability and Assessment Language	ROI	Return on Investment
OWASP	Open Web Application Security Project	RPO	Recovery Point Objective
P12	PKCS #12	RSA	Rivest, Shamir, & Adleman
P2P	Peer-to-Peer	RTBH	Remotely Triggered Black Hole
PaaS	Platform as a Service	RTO	Recovery Time Objective
PAC	Proxy Auto Configuration	RTOS	Real-time Operating System
PAM	Privileged Access Management	RTP	Real-time Transport Protocol
PAM	Pluggable Authentication Modules	S/MIME	Secure/Multipurpose Internet Mail Extensions
PAP	Password Authentication Protocol	SaaS	Software as a Service
PAT	Port Address Translation	SAE	Simultaneous Authentication of Equals
PBKDF2	Password-based Key Derivation Function 2	SAML	Security Assertions Markup Language
PBX	Private Branch Exchange	SCADA	Supervisory Control and Data Acquisition
PCAP	Packet Capture	SCAP	Security Content Automation Protocol

ACRONYM	DEFINITION
SCEP	Simple Certificate Enrollment Protocol
SDK	Software Development Kit
SDLC	Software Development Life Cycle
SDLM	Software Development Life-cycle Methodology
SDN	Software-defined Networking
SDP	Service Delivery Platform
SDV	Software-defined Visibility
SED	Self-Encrypting Drives
SEH	Structured Exception Handling
SFTP	SSH File Transfer Protocol
SHA	Secure Hashing Algorithm
SIEM	Security Information and Event Management
SIM	Subscriber Identity Module
SIP	Session Initiation Protocol
SLA	Service-level Agreement
SLE	Single Loss Expectancy
SMB	Server Message Block
S/MIME	Secure/Multipurpose Internet Mail Extensions
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
SPF	Sender Policy Framework
SPIM	Spam over Instant Messaging
SQL	Structured Query Language
SQLi	SQL Injection
SRTP	Secure Real-time Transport Protocol
SSD	Solid State Drive
SSH	Secure Shell
SSID	Service Set Identifier
SSL	Secure Sockets Layer
SSO	Single Sign-on
STIX	Structured Threat Information eXpression
STP	Shielded Twisted Pair
SWG	Secure Web Gateway
TACACS+	Terminal Access Controller Access Control System
TAXII	Trusted Automated eXchange of Intelligence Information
TCP/IP	Transmission Control Protocol/Internet Protocol
TGT	Ticket Granting Ticket
TKIP	Temporal Key Integrity Protocol
TLS	Transport Layer Security
TOTP	Time-based One Time Password
TPM	Trusted Platform Module
TSIG	Transaction Signature
TTP	Tactics, Techniques, and Procedures

ACRONYM	DEFINITION
UAT	User Acceptance Testing
UDP	User Datagram Protocol
UEBA	User and Entity Behavior Analytics
UEFI	Unified Extensible Firmware Interface
UEM	Unified Endpoint Management
UPS	Uninterruptible 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 for Applications
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 Conferencing
WAF	Web Application Firewall
WAP	Wireless Access Point
WEP	Wired Equivalent Privacy
WIDS	Wireless Intrusion Detection System
WIPS	Wireless Intrusion Prevention System
WORM	Write Once Read Many
WPA	WiFi Protected Access
WPS	WiFi Protected Setup
XaaS	Anything as a Service
XML	Extensible Markup Language
XOR	Exclusive OR
XSRF	Cross-site Request Forgery
XSS	Cross-site Scripting