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
		CSA	Cloud Security Alliance
AUP	Acceptable Use Policy	CSIRT	Computer Security Incident Response Team
AV	Antivirus	CSO	Chief Security Officer
BASH	Bourne Again Shell	CSP	Cloud Service Provider
BCP	Business Continuity Planning	CSR	Certificate Signing Request
BGP	Border Gateway Protocol	CSRF	Cross-Site Request Forgery
BIA	Business Impact Analysis	CSU	Channel Service Unit
BIOS	Basic Input/Output System	CTM	Counter-Mode
BPA	Business Partnership Agreement	CTO	Chief Technology Officer
BPDU	Bridge Protocol Data Unit	CVE	Common Vulnerabilities and Exposures
BSSID	Basic Service Set Identifier	CVSS	Common Vulnerability Scoring System
BYOD	Bring Your Own Device	CYOD	Choose Your Own Device
CA	Certificate Authority	DAC	Discretionary Access Control
CAPTCHA	Completely Automated Public Turing Test to Tell Computers and Humans Apart	DBA	Database Administrator
		DDoS	Distributed Denial-of-Service
		DEP	Data Execution Prevention

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ACRONYM	DEFINITION	ACRONYM	DEFINITION
DER	Distinguished Encoding Rules	HSM	Hardware Security Module
DES	Data Encryption Standard	HSMaaS	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

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ACRONYM	DEFINITION
MMS	Multimedia Message Service
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MPLS	Multiprotocol Label Switching
MSA	Measurement Systems Analysis
MS-CHAP	Microsoft Challenge-Handshake Authentication Protocol
MSP	Managed Service Provider
MSSP	Managed Security Service Provider
MTBF	Mean Time Between Failures
MTTF	Mean Time to Failure
MTTR	Mean Time to Repair
MTU	Maximum Transmission Unit
NAC	Network Access Control
NAS	Network-attached Storage
NAT	Network Address Translation
NDA	Non-disclosure Agreement
NFC	Near-field Communication
NFV	Network Function Virtualization
NGFW	Next-generation Firewall
NG-SWG	Next-generation Secure Web Gateway
NIC	Network Interface Card
NIDS	Network-based Intrusion Detection System
NIPS	Network-based Intrusion Prevention System
NIST	National Institute of Standards & Technology
NOC	Network Operations Center
NTFS	New Technology File System
NTLM	New Technology LAN Manager
NTP	Network Time Protocol
OCSP	Online Certificate Status Protocol
OID	Object Identifier
OS	Operating System
OSI	Open Systems Interconnection
OSINT	Open-source Intelligence
OSPF	Open Shortest Path First
OT	Operational Technology
OTA	Over-The-Air
OTG	On-The-Go
OVAL	Open Vulnerability and Assessment Language
OWASP	Open Web Application Security Project
P12	PKCS #12
P2P	Peer-to-Peer
PaaS	Platform as a Service
PAC	Proxy Auto Configuration
PAM	Privileged Access Management
PAM	Pluggable Authentication Modules
PAP	Password Authentication Protocol
PAT	Port Address Translation
PBKDF2	Password-based Key Derivation Function 2
PBX	Private Branch Exchange
PCAP	Packet Capture

ACRONYM	DEFINITION
PCI DSS	Payment Card Industry Data Security Standard
PDU	Power Distribution Unit
PE	Portable Executable
PEAP	Protected Extensible Authentication Protocol
PED	Portable Electronic Device
PEM	Privacy Enhanced Mail
PFS	Perfect Forward Secrecy
PGP	Pretty Good Privacy
PHI	Personal Health Information
PII	Personally Identifiable Information
PIN	Personal Identification Number
PIV	Personal Identity Verification
PKCS	Public Key Cryptography Standards
PKI	Public Key Infrastructure
PoC	Proof of Concept
POP	Post Office Protocol
POTS	Plain Old Telephone Service
PPP	Point-to-Point Protocol
PPTP	Point-to-Point Tunneling Protocol
PSK	Preshared Key
PTZ	Pan-Tilt-Zoom
PUP	Potentially Unwanted Program
QA	Quality Assurance
QoS	Quality of Service
PUP	Potentially Unwanted Program
RA	Registration Authority
RAD	Rapid Application Development
RADIUS	Remote Authentication Dial-in User Service
RAID	Redundant Array of Inexpensive Disks
RAM	Random Access Memory
RAS	Remote Access Server
RAT	Remote Access Trojan
RC4	Rivest Cipher version 4
RCS	Rich Communication Services
RFC	Request for Comments
RFID	Radio Frequency Identification
RIPEMD	RACE Integrity Primitives Evaluation Message Digest
ROI	Return on Investment
RPO	Recovery Point Objective
RSA	Rivest, Shamir, & Adleman
RTBH	Remotely Triggered Black Hole
RTO	Recovery Time Objective
RTOS	Real-time Operating System
RTP	Real-time Transport Protocol
S/MIME	Secure/Multipurpose Internet Mail Extensions
SaaS	Software as a Service
SAE	Simultaneous Authentication of Equals
SAML	Security Assertions Markup Language
SCADA	Supervisory Control and Data Acquisition
SCAP	Security Content Automation Protocol

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ACRONYM	DEFINITION	ACRONYM	DEFINITION
SCEP	Simple Certificate Enrollment Protocol	UAT	User Acceptance Testing
SDK	Software Development Kit	UDP	User Datagram Protocol
SDLC	Software Development Life Cycle	UEBA	User and Entity Behavior Analytics
SDLM	Software Development Life-cycle Methodology	UEFI	Unified Extensible Firmware Interface
SDN	Software-defined Networking	UEM	Unified Endpoint Management
SDP	Service Delivery Platform	UPS	Uninterruptible Power Supply
SDV	Software-defined Visibility	URI	Uniform Resource Identifier
SED	Self-Encrypting Drives	URL	Universal Resource Locator
SEH	Structured Exception Handling	USB	Universal Serial Bus
SFTP	SSH File Transfer Protocol	USB OTG	USB On-The-Go
SHA	Secure Hashing Algorithm	UTM	Unified Threat Management
SIEM	Security Information and Event Management	UTP	Unshielded Twisted Pair
SIM	Subscriber Identity Module	VBA	Visual Basic for Applications
SIP	Session Initiation Protocol	VDE	Virtual Desktop Environment
SLA	Service-level Agreement	VDI	Virtual Desktop Infrastructure
SLE	Single Loss Expectancy	VLAN	Virtual Local Area Network
SMB	Server Message Block	VLSM	Variable-length Subnet Masking
S/MIME	Secure/Multipurpose Internet Mail Extensions	VM	Virtual Machine
SMS	Short Message Service	VoIP	Voice over IP
SMTP	Simple Mail Transfer Protocol	VPC	Virtual Private Cloud
SMTPS	Simple Mail Transfer Protocol Secure	VPN	Virtual Private Network
SNMP	Simple Network Management Protocol	VTC	Video Teleconferencing
SOAP	Simple Object Access Protocol	WAF	Web Application Firewall
SOAR	Security Orchestration, Automation, Response	WAP	Wireless Access Point
SoC	System on Chip	WEP	Wired Equivalent Privacy
SOC	Security Operations Center	WIDS	Wireless Intrusion Detection System
SPF	Sender Policy Framework	WIPS	Wireless Intrusion Prevention System
SPIM	Spam over Instant Messaging	WORM	Write Once Read Many
SQL	Structured Query Language	WPA	WiFi Protected Access
SQLi	SQL Injection	WPS	WiFi Protected Setup
SRTP	Secure Real-time Transport Protocol	XaaS	Anything as a Service
SSD	Solid State Drive	XML	Extensible Markup Language
SSH	Secure Shell	XOR	Exclusive OR
SSID	Service Set Identifier	XSRF	Cross-site Request Forgery
SSL	Secure Sockets Layer	XSS	Cross-site Scripting
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		

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