Acronym	Definition
ACL	Access Control List – rules that define which users or systems may access network resources or objects.
AIR-GAP	Physical network isolation—systems have no wired or wireless link to untrusted networks.
API	Application Programming Interface – a defined set of calls and data formats for software components to interact.
APT	Advanced Persistent Threat – a stealthy, long-term intrusion by a well-resourced actor.
ARP	Address Resolution Protocol – maps IPv4 addresses to MAC addresses on a LAN.
ASR	Azure Site Recovery (also "Automated Server Recovery") – cloud-based replication and failover service.
CA	Certificate Authority – issues and signs digital certificates in a PKI.
CBR	Case-Based Reasoning
CISO	Chief Information Security Officer – senior executive responsible for security policy and strategy.
CMDB	Configuration Management Database – stores details of IT assets and their configurations.
CRL	Certificate Revocation List – list of certificates revoked by the CA.
CSR	Certificate Signing Request – data blob sent to a CA to request a certificate.
CVSS	Common Vulnerability Scoring System – standard for rating the severity of security vulnerabilities.
CVE	Common Vulnerabilities and Exposures – public database of known security flaws.
DaaS	Desktop as a Service – cloud-hosted virtual desktops.
DDoS	Distributed Denial of Service – flood attack from many sources to overwhelm a target.
DHCP	Dynamic Host Configuration Protocol – assigns IP addresses and network settings to hosts.
DNS	Domain Name System – translates human-readable names (e.g. <a href="https://www.example.com">www.example.com</a> ) into IP addresses.
DMZ	Demilitarized Zone – network segment that separates untrusted from internal LANs.
DLP	Data Loss (or Leak) Prevention – policies/tools to detect and block unauthorized data exfiltration.
DNSSEC	DNS Security Extensions – adds origin authentication and integrity to DNS data.
DRP	Disaster Recovery Plan – procedures for restoring IT services after a major outage.

Acronym	Definition
EDR	Endpoint Detection & Response – monitors and analyzes endpoint activity for threats.
EAPoL	Extensible Authentication Protocol over LAN – carries EAP frames in 802.1X port-based authentication.
FDE	Full Disk Encryption – encrypts entire storage volume to protect data at rest.
GRC	Governance, Risk, and Compliance – framework aligning IT controls with business objectives.
HIDS	Host-based Intrusion Detection System – monitors one host for malicious activity.
HIPS	Host-based Intrusion Prevention System – blocks malicious behaviors on a host.
HTTPS	HTTP Secure – HTTP over TLS/SSL for encrypted web traffic.
IAM	Identity and Access Management – frameworks and tools to manage digital identities and access rights.
ICMP	Internet Control Message Protocol – used for network diagnostics (e.g. ping).
IDS	Intrusion Detection System – alerts on suspicious network or host activity.
Ie	Internet Explorer (legacy browser).
IKE	Internet Key Exchange – handles key negotiation in IPsec VPNs.
IoC	<i>Indicator of Compromise</i> – artifact (hash, IP, domain) signaling malicious activity.
IP	Internet Protocol – routing protocol for addressing and delivering packets.
IPS	Intrusion Prevention System – inline device that detects and blocks threats.
IRP	Incident Response Plan – documented process for handling security incidents.
ISMS	<i>Information Security Management System</i> – comprehensive security framework (e.g. ISO 27001).
IOPS	Input/Output Operations Per Second (storage performance metric).
IPv4 / IPv6	Internet Protocol version 4/6 – two generations of IP addressing.
ISA	Interconnection Security Agreement (or Microsoft's old "Internet Security and Acceleration" firewall).
ITIL	Information Technology Infrastructure Library – best-practice framework for IT service management.
IV	Initialization Vector – random input to cryptographic algorithms to ensure uniqueness.
JWT	JSON Web Token – compact URL-safe token format for claims-based authentication.
KA	Key Agreement (cryptographic).

Acronym	Definition
LAN / WAN	Local / Wide Area Network.
MFA	Multi-Factor Authentication – requires two or more credential types (something you know, have, or are).
MITM	Man-in-the-Middle – attacker intercepts and possibly alters communication.
MPLS	Multiprotocol Label Switching – directs data from one network node to the next based on short path labels.
NAC	Network Access Control – enforces policy on devices before granting network access.
NAT	Network Address Translation – remaps private IP addresses to a public IP.
NIDS	Network-based Intrusion Detection System – monitors network traffic for signatures or anomalies.
NIPS	Network-based Intrusion Prevention System – inline NIDS that can block malicious traffic.
OCSP	Online Certificate Status Protocol – checks revocation status of digital certificates in real time.
PAM	Privileged Access Management – secure handling of high-privilege credentials.
PBX	Private Branch Exchange (telephone system).
PDU	Protocol Data Unit – packet at a given OSI layer.
PKI	Public Key Infrastructure – framework for public/private key management and certificates.
PoLP	Principle of Least Privilege – users/processes get only the rights they need.
PPE	Personal Protective Equipment (in physical security contexts).
PTZ	Pan-Tilt-Zoom (camera).
QA	Quality Assurance.
QoS	Quality of Service – prioritizes network traffic by type.
RADIUS	Remote Authentication Dial-In User Service – AAA protocol for network access.
RBAC	Role-Based Access Control – permissions assigned to roles rather than individuals.
RDP	Remote Desktop Protocol – Microsoft's remote-access protocol.
RPO / RTO	Recovery Point Objective   Recovery Time Objective – DR metrics.
RSA	Rivest–Shamir–Adleman public-key algorithm.
SaaS / PaaS / IaaS	Software / Platform / Infrastructure as a Service — cloud service models.
SAML	Security Assertion Markup Language – XML-based SSO and federated identity standard.
SCADA	Supervisory Control and Data Acquisition – industrial control systems.

Acronym	Definition
SDN / SD-WAN	Software-Defined Networking / WAN – programmable network architectures.
SEIM	(typo; should be SIEM) see below.
SIEM	Security Information and Event Management – collects and correlates security logs and alerts.
SIM	Subscriber Identity Module (cellular).
SLB	Server Load Balancer.
SMTP / POP / IMAP	Mail transfer / retrieval protocols.
SNMP	Simple Network Management Protocol – monitors and configures network devices.
SOAR	Security Orchestration, Automation, and Response – automates and orchestrates incident handling.
SSH	Secure Shell – encrypted remote-login protocol.
SSL / TLS	Secure Sockets Layer / Transport Layer Security – protocols for encrypted communications.
SSO	Single Sign-On – one authentication to access multiple systems.
SPF	Sender Policy Framework – email spoofing prevention.
SQLi	SQL Injection – attack exploiting poorly sanitized database inputs.
SRTP	Secure Real-time Transport Protocol – encrypts media streams.
TCP / UDP	Transmission Control Protocol / User Datagram Protocol.
TDOA	Time Difference of Arrival (wireless tracking).
TOE	Target of Evaluation (Common Criteria).
TOTP	Time-based One-Time Password – dynamic token algorithm for MFA.
TPM	Trusted Platform Module – hardware chip for secure key storage.
TTP	Tactics, Techniques, and Procedures – attacker behavior patterns (e.g. MITRE ATT&CK).
UDP	User Datagram Protocol – connectionless transport.
USB	Universal Serial Bus.
UVC	Unlicensed Visual Communications (wireless).
VLAN	Virtual LAN – isolated broadcast domain on the same switch.
VPN	Virtual Private Network – encrypted tunnel over untrusted networks.
VTP	VLAN Trunking Protocol (Cisco).
WAF	Web Application Firewall – filters/blocks HTTP attacks.
WLAN / WWAN	Wireless Local / Wide Area Network.
WPS	Wi-Fi Protected Setup – simplified Wi-Fi pairing protocol (insecure).

Acronym	Definition
XSS	Cross-Site Scripting – injection of client-side scripts into web pages.
XSRF / CSRF	Cross-Site Request Forgery – forged state-changing requests on authenticated sites.

Additional "specialized" acronyms and initialisms—beyond the core security terms—commonly encountered in development, scripting, and integration contexts:

Acronym	Definition
BASH	Bourne Again SHell – the standard GNU Unix shell and scripting language.
CLI	Command-Line Interface – text-based user interface for interacting with software.
GUI	Graphical User Interface – visual elements (windows, icons) for user interaction.
REST	Representational State Transfer – architectural style for designing HTTP-based APIs.
SOAP	Simple Object Access Protocol – XML-based messaging protocol for web services.
JSON	JavaScript Object Notation – lightweight, text-based data-interchange format.
XML	eXtensible Markup Language – flexible, text-based format for structured data.
YAML	YAML Ain't Markup Language – human-friendly data-serialization standard.
SDK	Software Development Kit – collection of tools and libraries for building applications.
IDE	Integrated Development Environment – software suite combining code editor, debugger, and build tools.
CI/CD	Continuous Integration / Continuous Deployment – practices for automating build, test, and deploy pipelines.
LDAP	Lightweight Directory Access Protocol – protocol for accessing and maintaining directory services.
SQL	Structured Query Language – language for managing and querying relational databases.
NoSQL	Not Only SQL – umbrella term for non-relational, schema-flexible data stores.

Acronym	Definition
HIIP	Hypertext Transfer Protocol – foundational protocol of the Web (often over TLS as HTTPS).
	General Data Protection Regulation – EU regulation (effective May 25, 2018) governing the processing and protection of personal data for EU residents.