

16 TYPES OF CYBERSECURITY

1. Network Security

- Protects networks from unauthorized access and threats.
- Examples: Firewalls, VPNs, IDS/IPS



2. Cloud Security

- Secures data and apps in cloud environments.
- Examples: Data encryption, Access controls, CSPM, CWPP

3. Application Security

- Prevents vulnerabilities in software and applications.
- Examples: Secure coding, Pen testing, WAFs



4. Endpoint Security

- Secures devices like computers and smartphones.
- Examples: Antivirus, EDR, DLP

5. Data Security

- Protects sensitive data from breaches and misuse.
- Examples: Encryption, Masking, Access controls



6. Identity & Access Management (IAM)

- Manages who has access to what.
- Examples: MFA, RBAC, PAM

7. Mobile Security

- Defends smartphones and tablets from threats.
- Examples: MDM, MTD, App sandboxing



8. IoT Security

- Protects smart and connected devices.
- Examples: Device authentication, Network segmentation

9. Critical Infrastructure Security

- Secures essential services and national systems.
- Examples: SCADA & ICS protection, Intrusion detection



10. Operational Technology (OT) Security

- Protects industrial systems and physical processes.
- Examples: PLC protection, OT traffic monitoring

11. Security Awareness Training

- Educates users to prevent cyber incidents.
- Examples: Phishing simulations, Policy training



12. Incident Response

- Manages cyberattacks and system recovery.
- Examples: Response plans, Forensic analysis

13. Vulnerability Management

- Identifies and fixes security weaknesses.
- Examples: Scanning, Pen testing, Patch management



14. Threat Intelligence

- Tracks and analyzes evolving cyber threats.
- Examples: Threat feeds, Malware analysis

15. Email Security

- Protects against phishing and spam attacks.
- Examples: Spam filters, Email encryption



16. Wireless Security

- Secures Wi-Fi and wireless communication.
- Examples: WPA3, Rogue access point detection

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