Key milestones in cybersecurity history.

1. 1960s-1970s: The dawn of computer security

\* First computer viruses and malware emerge (1971: "Creeper" virus)

\* Early security measures focus on physical access control

2. 1980s:

\* Internet Relay Chat (IRC) and online communities emerge

\* First cyberattacks and hacking incidents occur (e.g., 1983: "Kevin Mitnick" hacks into NORAD)

\* Introduction of firewalls and intrusion detection systems

3. 1990s:

\* World Wide Web (WWW) becomes widely available

\* E-commerce and online transactions increase

\* First antivirus software emerges (e.g., 1990: McAfee Associates)

\* SSL (Secure Sockets Layer) encryption introduced (1994)

4. 2000s

\* Widespread adoption of broadband internet and mobile devices

\* Rise of phishing, spyware, and ransomware attacks

\* Introduction of intrusion prevention systems (IPS) and security information and event management (SIEM) systems

- PCI-DSS (Payment Card Industry Data Security Standard) introduced (2004)

5. 2010s:

\* Cloud computing, big data, and IoT (Internet of Things) emerge

\* Advanced persistent threats (APTs) and targeted attacks increase

\* Introduction of artificial intelligence (AI) and machine learning (ML) in cybersecurity

\* GDPR (General Data Protection Regulation) introduced (2016)

6. 2020s: - Increased focus on zero-trust architecture and DevSecOps

\* Growing concern about deepfakes, AI-generated threats, and 5G security risks

\* COVID-19 pandemic accelerates remote work and digital transformation, increasing cybersecurity challenges