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March 18 - April 18, 2023

Importance of Cybersecurity | Overview On Cybersecurity

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[Importance of Cybersecurity](#) tools are essential for protecting computer systems, networks, and data from various cyber threats. Some of the most popular cybersecurity tools include:

Antivirus software: Antivirus software is designed to protect computer systems from viruses, malware, and other malicious software.

Firewall: A firewall is a network security system that monitors and controls incoming and outgoing network traffic based on predetermined security rules.

Virtual Private Network (VPN): A VPN creates a secure and encrypted connection between two devices, providing privacy and anonymity on the internet.

Intrusion Detection System (IDS): An IDS monitors network traffic for signs of possible attacks and sends alerts to system administrators when suspicious activity is detected.

Penetration testing tools: Penetration testing tools are used to simulate cyber attacks to identify vulnerabilities in a system or network.

Encryption tools: Encryption tools are used to encode sensitive data to prevent unauthorized access.

Password managers: Password managers help users generate and securely store unique passwords for different online accounts.

Two-Factor Authentication (2FA): 2FA adds an additional layer of security to online accounts by requiring a second form of authentication, such as a code sent to a mobile device, in addition to a password.

Security information and event management (SIEM): SIEM tools monitor and analyze security event data in real-time, providing insights into potential security threats.

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