INTEGRAL UNIVERSITY
LUCKNOW (INDIA)
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JULY 2024

# CYBER BULLETIN

## CYBER HEISTS

### 1. CRYPTOCURRENCY EXCHANGE HEIST

**TARGET:** Cryptocurrency exchanges and digital wallets.

**IMPACT:** Theft of over $1 billion in cryptocurrencies, loss of investor confidence, and market instability.

**MITIGATION:** Implement multi-signature wallets and cold storage, enhance security protocols, and conduct regular security audits.

### 2. SUPPLY CHAIN ATTACK COMPROMISED SOFTWARE UPDATES

**TARGET:** Software supply chain and third-party vendors.

**IMPACT:** Infiltration of malicious code into trusted software, widespread impact on users, costly mitigation efforts.

**MITIGATION:** Vet third-party vendors carefully, use code-signing certificates, implement robust monitoring and response strategies for supply chain security.

### 3. CLOUD STORAGE BREACH DATA LEAKS FROM THE CLOUD

**TARGET:** Cloud storage platforms and services.

**IMPACT:** Exposure of sensitive corporate data, financial losses, regulatory penalties.

**MITIGATION:** Encrypt data before uploading, implement strict access controls, conduct regular security audits of cloud providers.

### 4. CORPORATE ESPIONAGE INDUSTRIAL SECRETS STOLEN

**TARGET:** Home automation systems

**IMPACT:** Unauthorized voice command execution. Data interception through network vulnerabilities.

**MITIGATION:** Enable voice recognition features to ensure commands are from authorized users. Regularly update the speaker's firmware. Secure the home network with strong passwords and encryption.

### 5. IOT DEVICE HIJACKING SMART HOMES UNDER ATTACK

**TARGET:** Internet of Things (IoT) devices, including smart home systems.

**IMPACT:** Unauthorized access to personal data, potential physical security risks, disruption of connected services.

**MITIGATION:** Regularly update device firmware, change default passwords, segment IoT devices from main network.

### 6. BANKING TROJAN INVASION FINANCIAL INSTITUTIONS

**TARGET:** Online banking platforms and mobile banking apps.

**IMPACT:** Unauthorized access to customer accounts, fraudulent transactions, reputational damage.

**MITIGATION:** Deploy advanced anti-malware solutions, implement multi-factor authentication, educate customers on phishing attacks.

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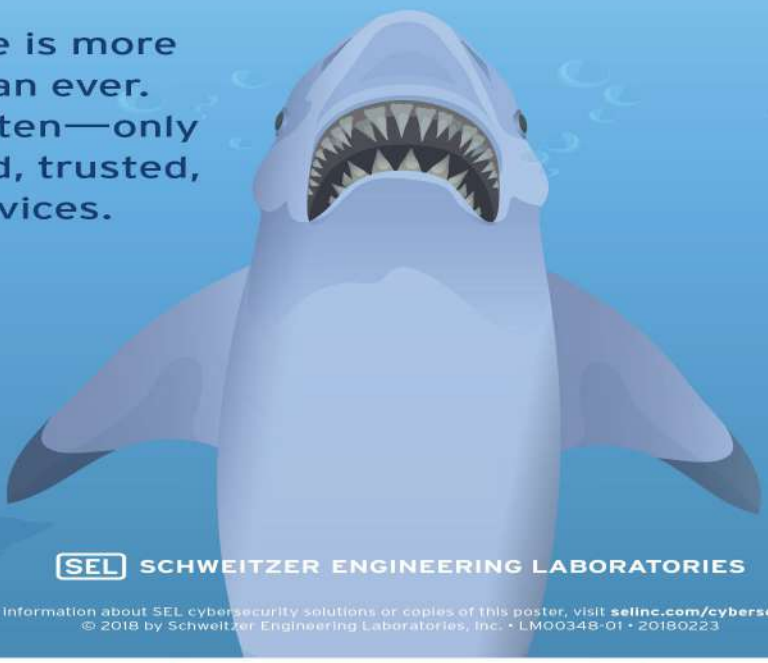
# WHILE SMALL IN SIZE, USB DEVICES CARRY A HUGE RISK

USB malware is more advanced than ever. Don't get bitten—only use approved, trusted, and clean devices.



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UNDER THE AEGIS OF

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