2018 Threats Predictions

Machine learning
The development of machine learning to protect organizations will fuel an arms race between defenders and attackers.

Cybercriminals
Cybercriminals will also develop machine learning to support their attacks.

Detects and corrects
Machine learning detects and corrects vulnerabilities, suspicious behavior, and zero-day attacks.

Speeds decisions
Machine learning speeds up threat detection and incident response decisions.

Ransomware
Profitability of traditional ransomware attacks decline as defenses improve, and attacker focus shifts to high net-worth individuals, sabotage, and business disruption.

Fewer types
Fewer types of ransomware attacks as attackers buy off-the-shelf dark market products.

More attacks
More attacks by unscrupulous competitors or criminals trying to build protection rackets.

Serverless apps
Serverless apps can save time and reduce costs, but they can also increase the attack surface.

Data in transit
Vulnerable to privilege escalation and application dependencies.

Greater granularity
Vulnerable to privilege escalation and application dependencies.

Cloud services
Vulnerable to privilege escalation and application dependencies.

Surrendering privacy
Manufacturers looking to make more money will gather our personal data—with or without our agreement.

Online history
Online history—videos, pictures in bars—can become digital baggage.

Employers
Employers may make hiring decisions influenced by search results.

Change default passwords
Change default passwords; turn off unneeded features.

Protecting our children
Our children face an amazing future of gadgets, services, and experiences, but they also face tremendous risks to their privacy.

More attacks
More attacks by unscrupulous competitors or criminals trying to build protection rackets.

Corporations
Corporations could break the law, pay a fine, and continue the practice.

Agreements
Customers rarely read agreements; corporations often change them afterward.

Networked devices
Networked devices transmit too much information.

Netwoking
Corporations could break the law, pay a fine, and continue the practice.

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