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Cloud Sandboxing Against Advanced Persistent Attacks

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Traditional Defenses Are Ineffective Against Advanced Unknown Threats



Intensifying APT Attacks







Considerable Financial Losses



Ineffective Traditional Defenses





Sandboxed Defense of APTs



Cloud Sandboxing Enables Easy Defense Against Advanced Attacks

Rapid

Deployment

Efficient

Cloud Security

Comprehensive

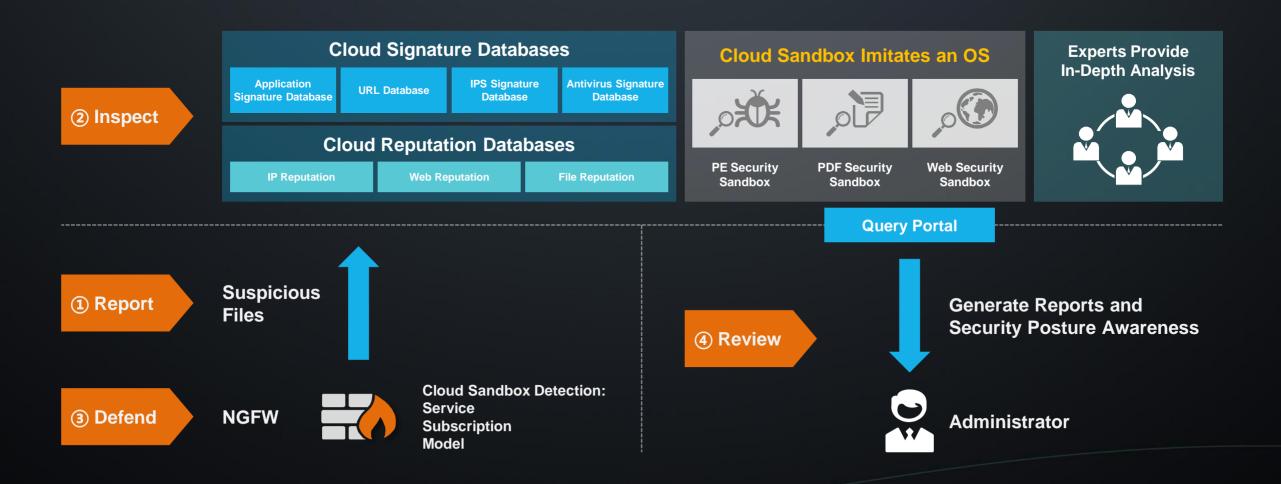
Detection

Cost-effective

Independent from Hardware and Personnel Requirements



Integrated Cloud Sandboxing Defense System



Cloud Sandbox Security Capabilities Are Continually Updated

Cloud Sandbox

Emulate an actual environment to detect abnormalities

- Detects unknown malicious files, abnormal Command and Control (C&C)
- Horizontal scalability

Cloud Reputation

Identify reputation values of inspected items

- File reputation
- IP reputation
- Web reputation

Cloud Experts

Evaluate high-risk items for experts to analyze

- 24/7 professional support
- Important information provided for expert manual analysis



Cloud Intelligence

Determine information about threats and attacks.

- Domain queries
- File queries
- Reputation gueries

Cloud Security Posture

Assess network security situation

- · Visual display of network-wide known and unknown threats
- Visual display of network-wide attacks
- Network-wide security posture awareness

Advantages of Cloud Sandbox

Rapid **Deployment**

Threat Visualization **Network-wide Detection**

Ecosystem Partnerships

Rapid Deployment: One-click Advanced Threat Defense Subscription

Sandbox Devices



- Specific device protection
- Online device deployment
- Expert administrators
- Configuration and maintenance
- Upgrades and expansion

Cloud Sandbox



- Uses existing network security devices
- Service subscription
- Zero configuration
- Expert analysis available anytime

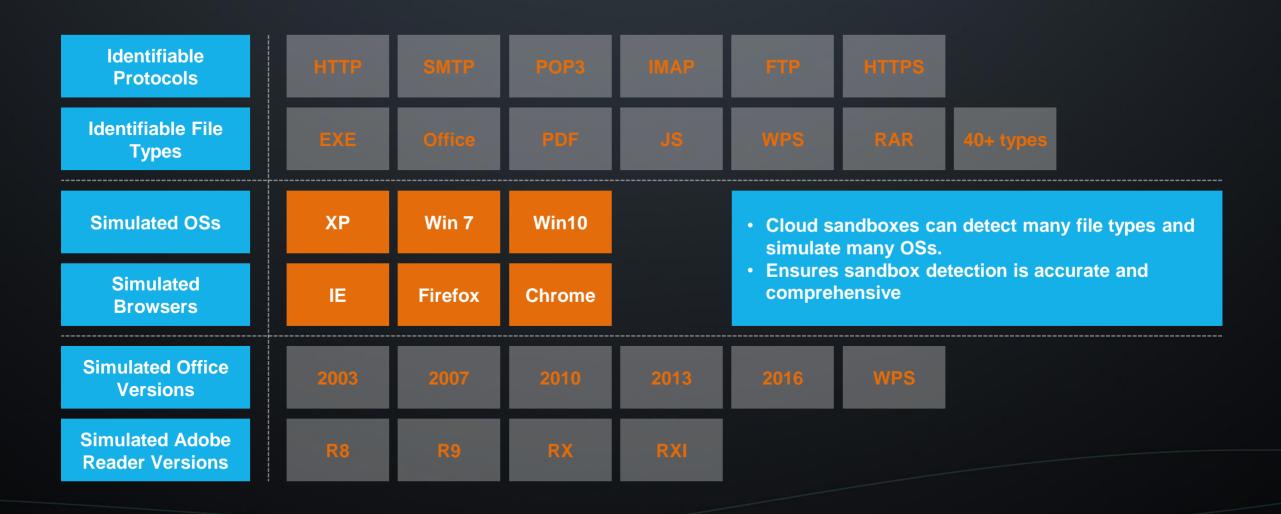
Threat Visualization: Real-time Security Posture Display and Threat Prediction



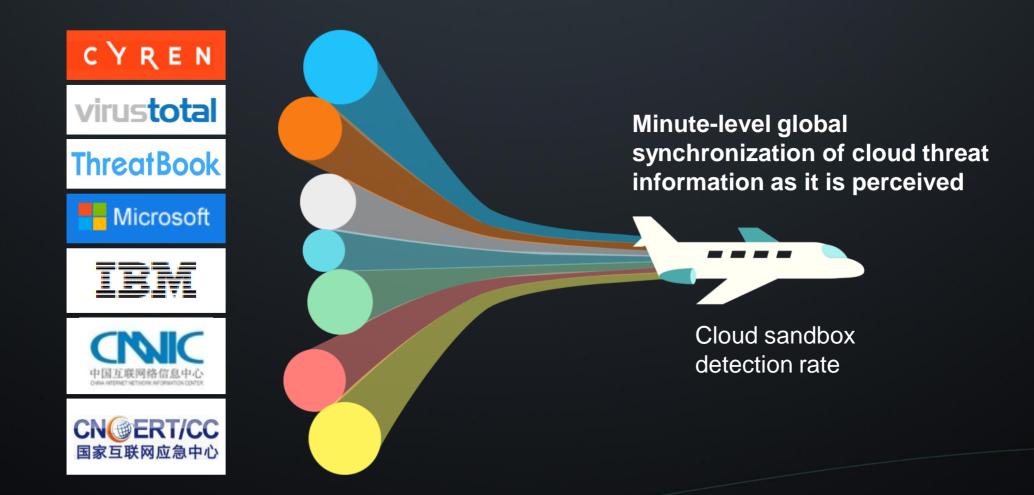
Network-wide Threat Posture

- Overall security ratings
- City threat levels
- Rankings of assets by risk
- Rankings of countries by attack origin frequency
- Rankings of events by handling priority

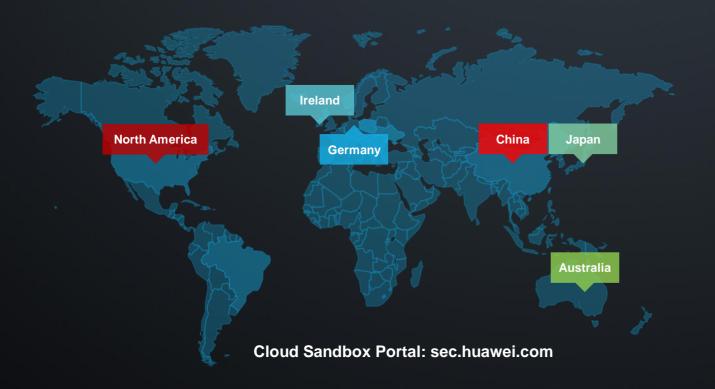
Network-wide Detection: Leaves Unknown Threats with Nowhere to Hide

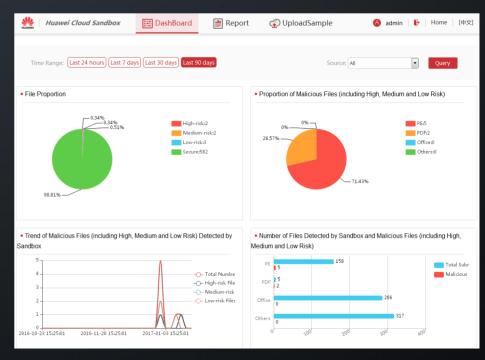


Intelligence Sharing: Defends Against the Latest APT Attacks



Evolution of Huawei's Cloud Sandbox Deployment Around the Globe





Cloud Locations

Currently: China and Germany Planned: Ireland, Japan, North America, and Australia

Thank You.

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