Symantec Ransomware Protection

Protection Against Ransomware

Defense in depth across all control points is required to stop ransomware

Email

Symantec Email Security.cloud, Symantec Messaging Gateway

- Perform static analysis of malicious indicators within files or documents
- Detonate potentially malicious scripts in sandbox before email delivery and block if signs of malicious behavior evident
- Block malicious links with real-time link following before email delivery and link analysis at click-time post delivery

Web

*Symantec Secure Web Gateway Solutions**

- Block malicious sites including command & control and encryption server
- Analyze files for suspicious behavior from unknown URLs for ransomware activity using multi-layer and live threat feeds
- Malware Analysis looks for ransomware-specific behaviors and detonates unknown files in a sandbox before delivering

Endpoint

Symantec Endpoint Protection 14, ATP: Endpoint (EDR)

- Advanced Machine Learning detects polymorphic malware
- Emulator unpacks evasive malware while Behavior Analysis uncovers ransomware actions
- IPS blocks ransomware's attempt to download encryption keys
- Isolate endpoints when ransomware is detected to prevent lateral movement
- Hunt for ransomware IoCs across all endpoints

Workload

Symantec Data Center Security: Server Advanced

- 'Out of the box' IPS rules can prevent ransomware executables from being dropped or executed on the system
- Customers not using full IPS protections can deploy policies to block specific malware executables
- Additional rules can be applied to block all in/outbound SMB traffic
- Ransomware can also be blocked by adding executable hashes to global no-run lists

*ProxySG, WSS, GIN, Content and Malware Analysis, Security Analytics, SSLV

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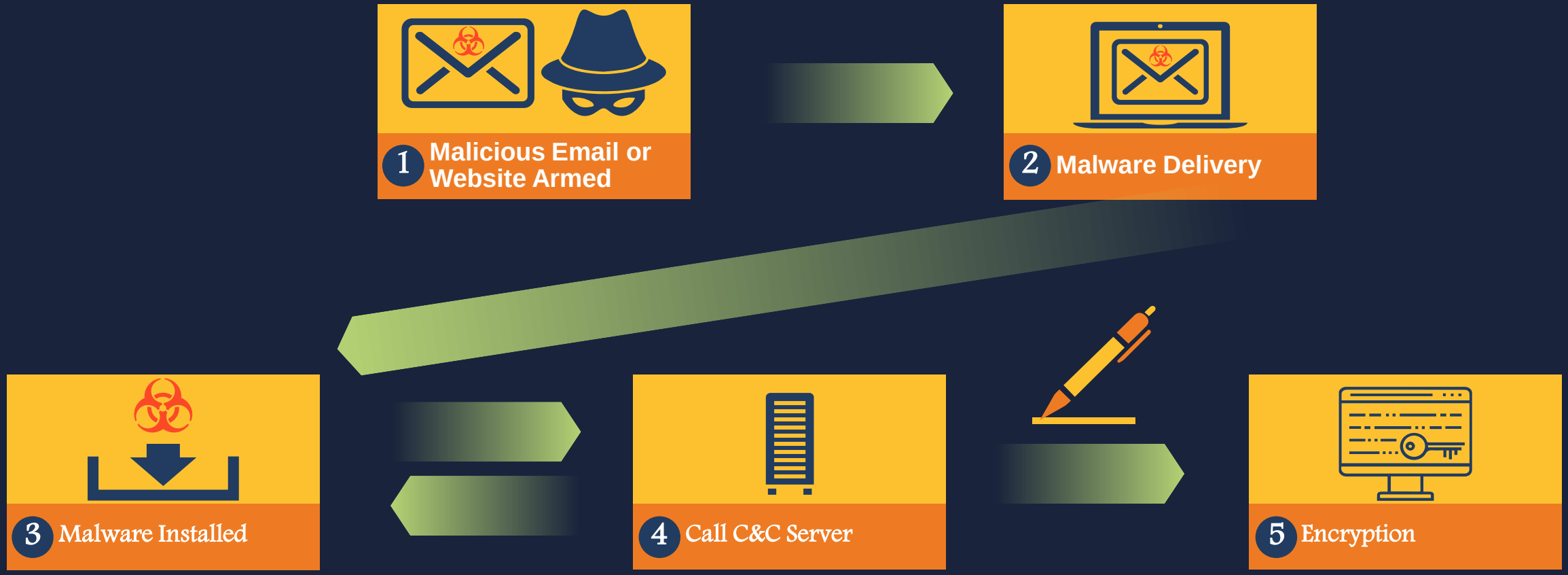
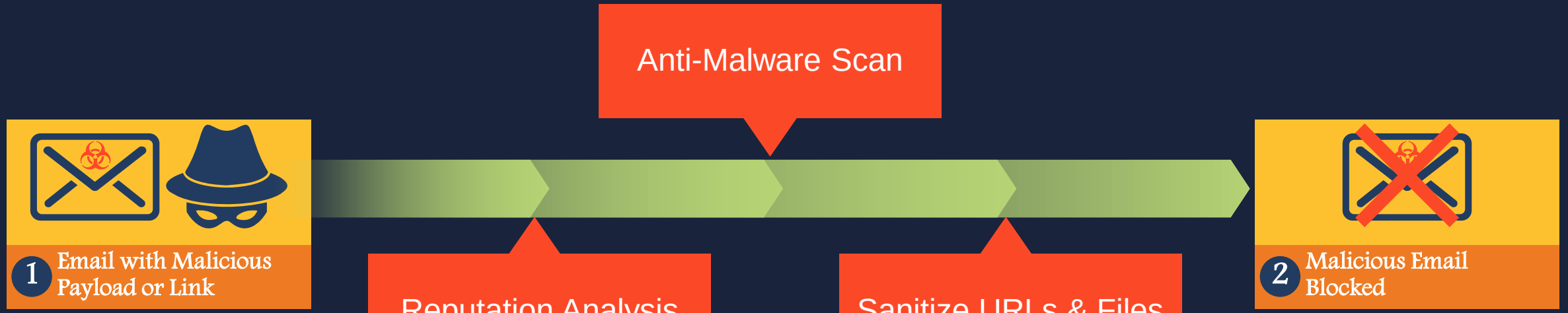
How do Ransomware Attacks Work?



Symantec Email Security.cloud Ransomware Protection

Messaging Gateway Ransomware Protection

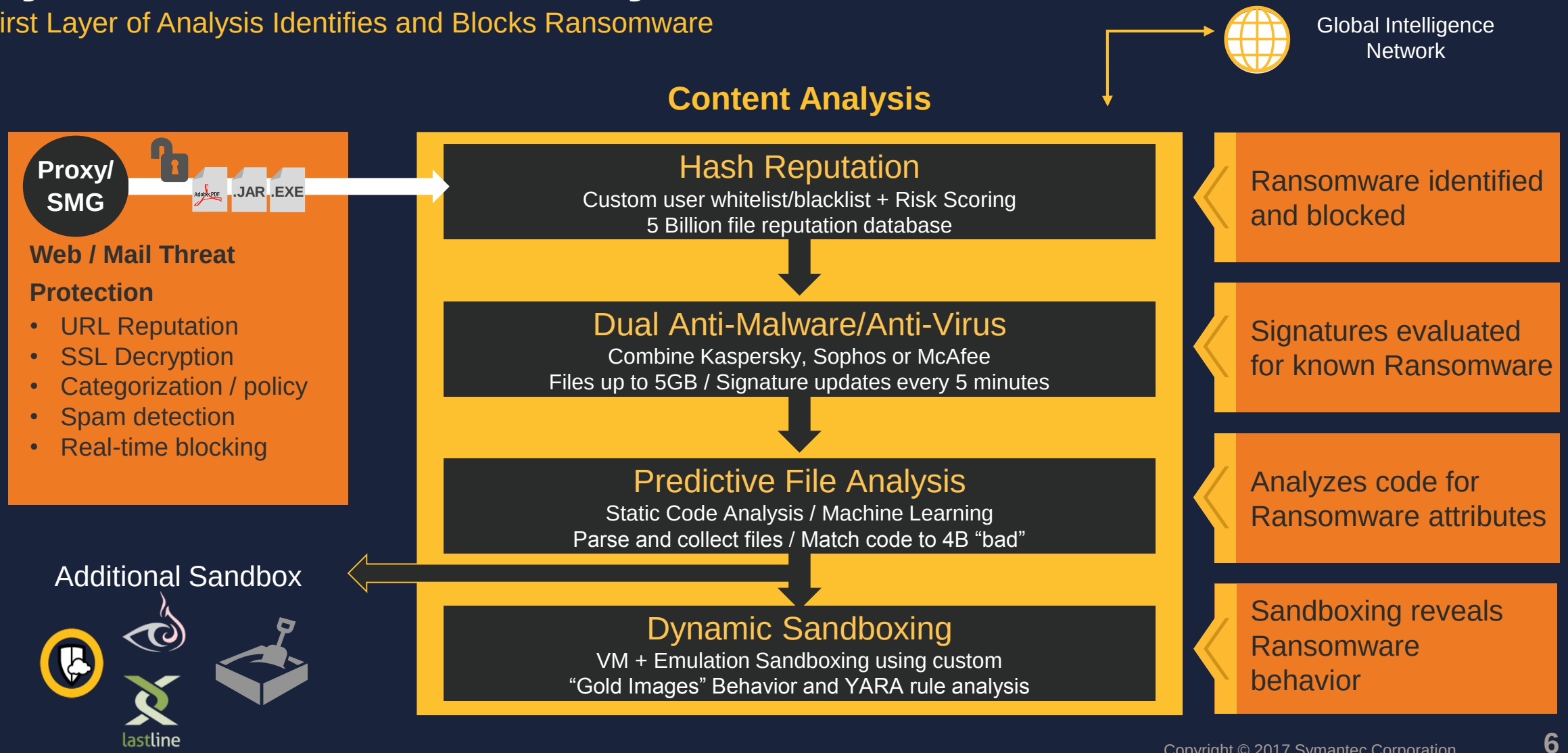


- **Email Sender Authentication**
- **URLs**

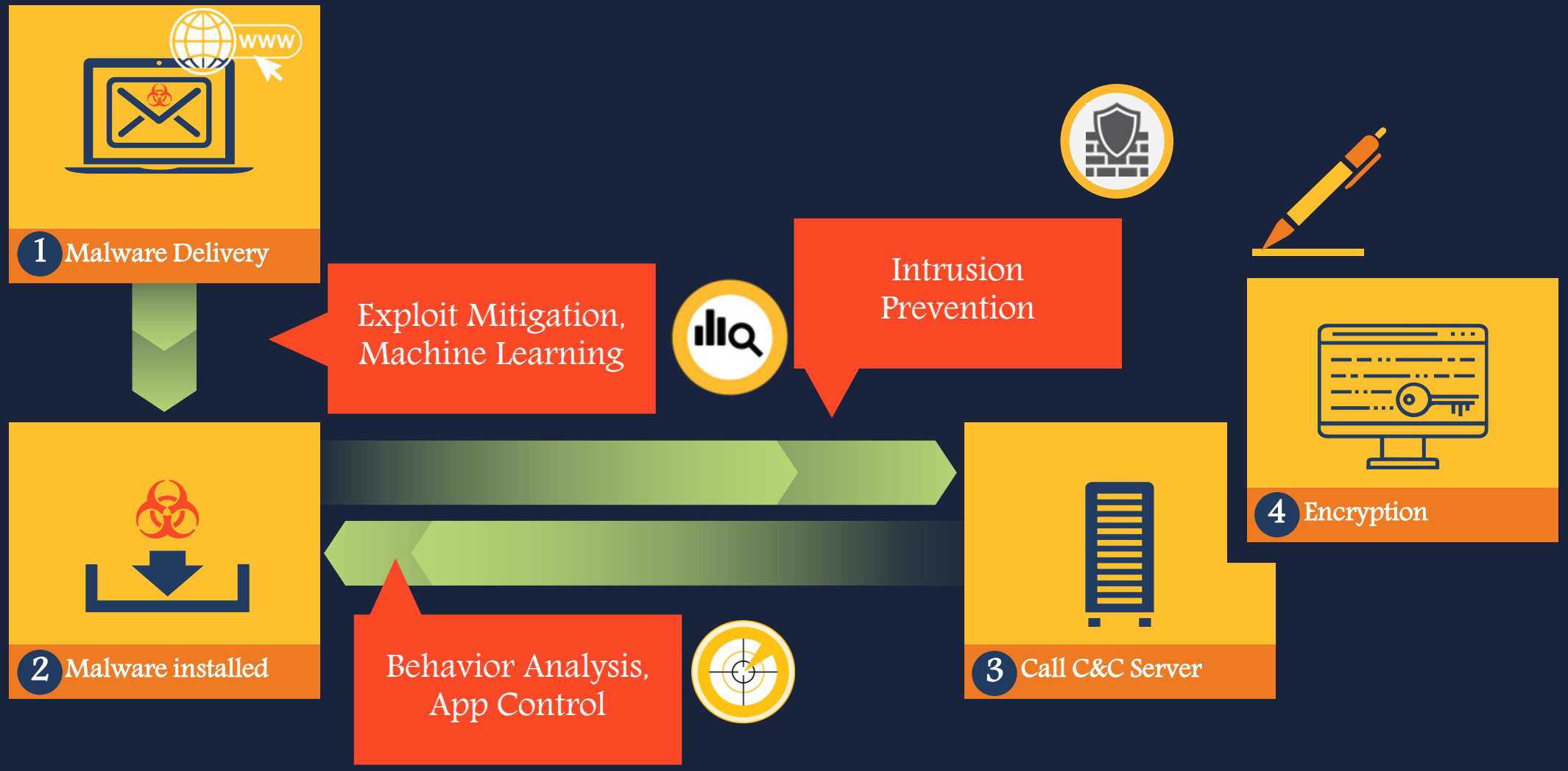
- **Reconstruct & reattach clean links & attachments before sending to end user**

Symantec Content Analysis: ID and Block Ransomware

First Layer of Analysis Identifies and Blocks Ransomware



SEP 14: Ransomware Protection



Data Center Security: Server Advanced Ransomware Protection

- Block ransomware executables
- Ransomware hashes added to no-run list

Custom IPS Policies

Global No-run List

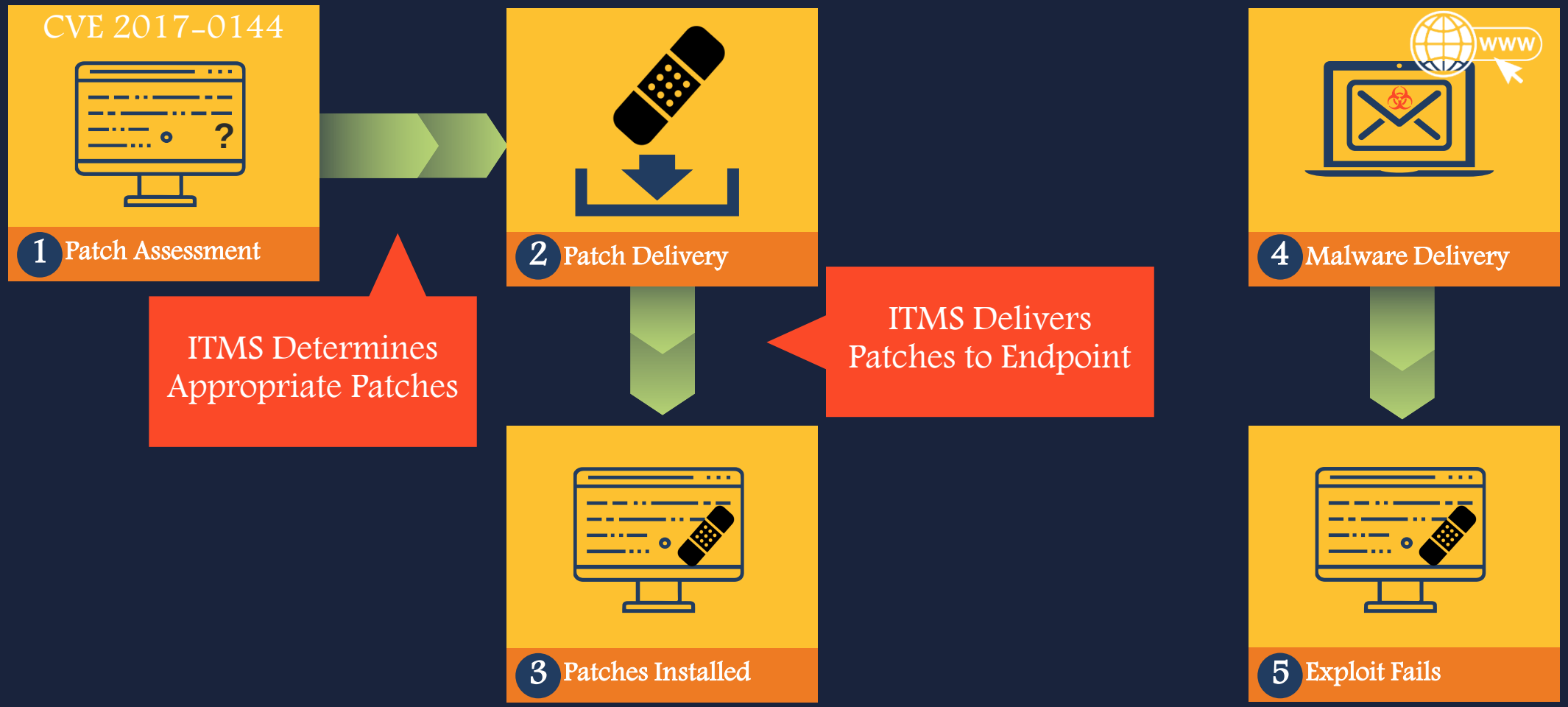
'Out of the box' IPS Polices

- Windows 6.0 (and up) Basic, Hardening and Whitelisting

Kernel and Network Policies

- Block all in/outbound SMB traffic

IT Management Suite: Stop Ransomware



Cyber Security Services

Actionable Threat Intelligence, Continuous Threat Monitoring, & Rapid Incident Response

Actionable Intelligence

Symantec DeepSight Intelligence

- Get ahead of an attack with advance notice of threat activity
- Prioritize patching with vulnerability ratings/alerts to protect against ransomware
- Implement countermeasures against attacks by leveraging in-depth adversary intelligence on threats, campaigns, attribution, and motivation

Continuous Monitoring

Symantec Managed Security Services

- Detect ransomware spread to minimize impact
- Monitor SOC operations 24x7 and apply global intelligence to identify threats and prioritize actions
- Apply advanced analytics and machine learning to identify previously unknown indicators and stealth attacks

Rapid Response

Symantec Incident Response Services

- Respond quickly to engage the adversary, contain the attack, and mitigate future attacks
- Reconstruct the attack to determine 'Patient Zero' and whether data is encrypted, deleted, or being stolen
- Hunt for advanced threats with intelligent forensics tools and expert analysis

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