

Cybersecurity In Healthcare

Prepare by

G-Able Team

Date

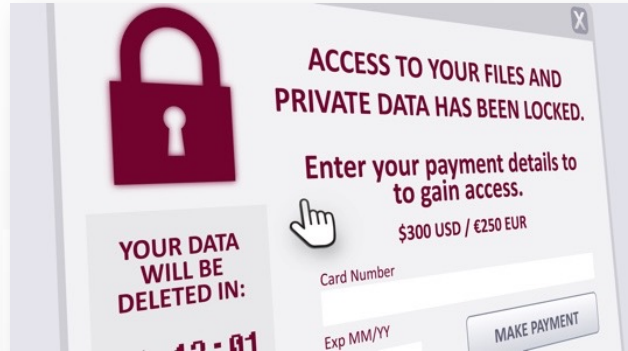
19.01.23



Healthcare Organization Concerns



Patient Safety
Medical Device Behavior



Disruption
Ransomware



Data Breach
Personal Health Info



Utilization
Maximizing Efficiency



Inventory
Locating Medical Devices



Exposure
"The other side of the house."



MRI machine (and others) communicating with Command & Control in Russia.



Many WannaCry infected medical devices spreading across a flat open network.



Infusion pump compromised by malware while connected to patient.



Medical crash carts being used to access Facebook, have accessed phishing websites.



X-Ray machines and others sending patient information and diagnosis unencrypted over the internet.

See Everything. Control and Secure Every Unmanaged Device.



Asset Inventory

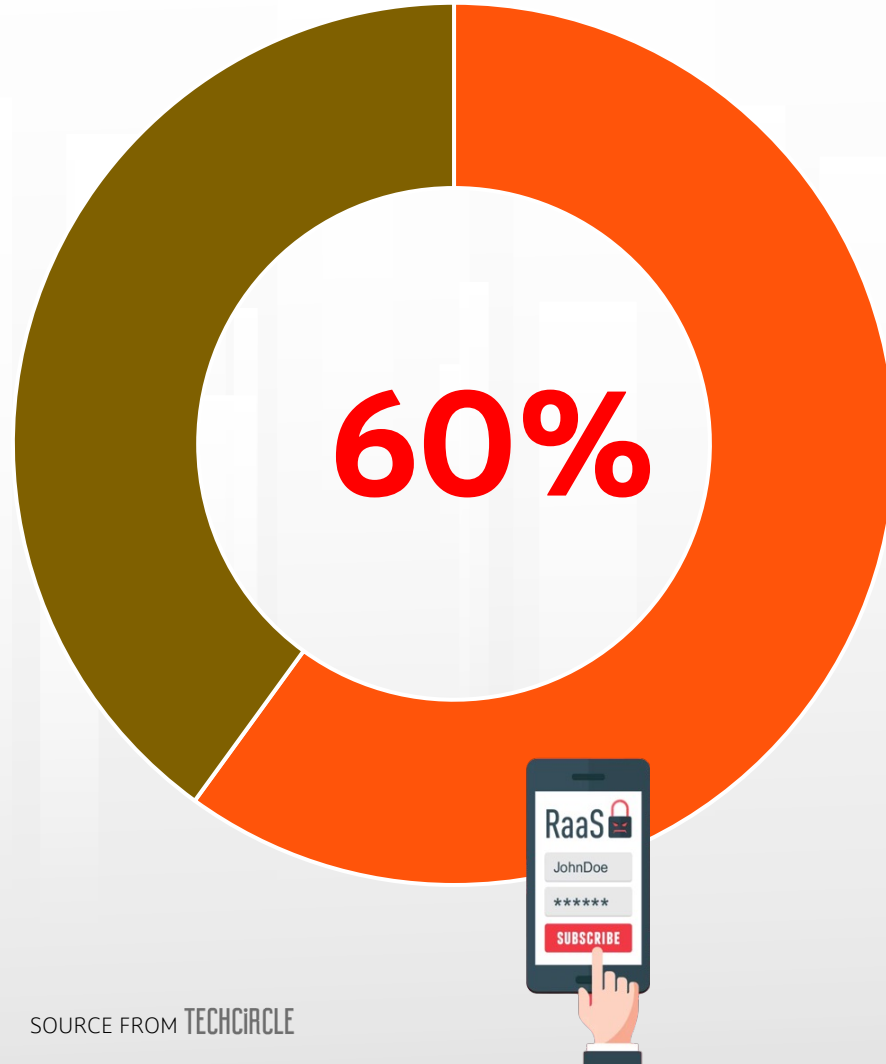
- Detect all network assets
- Classify and profile devices of all types (IT, IoT, IoMT)

Threat Detection

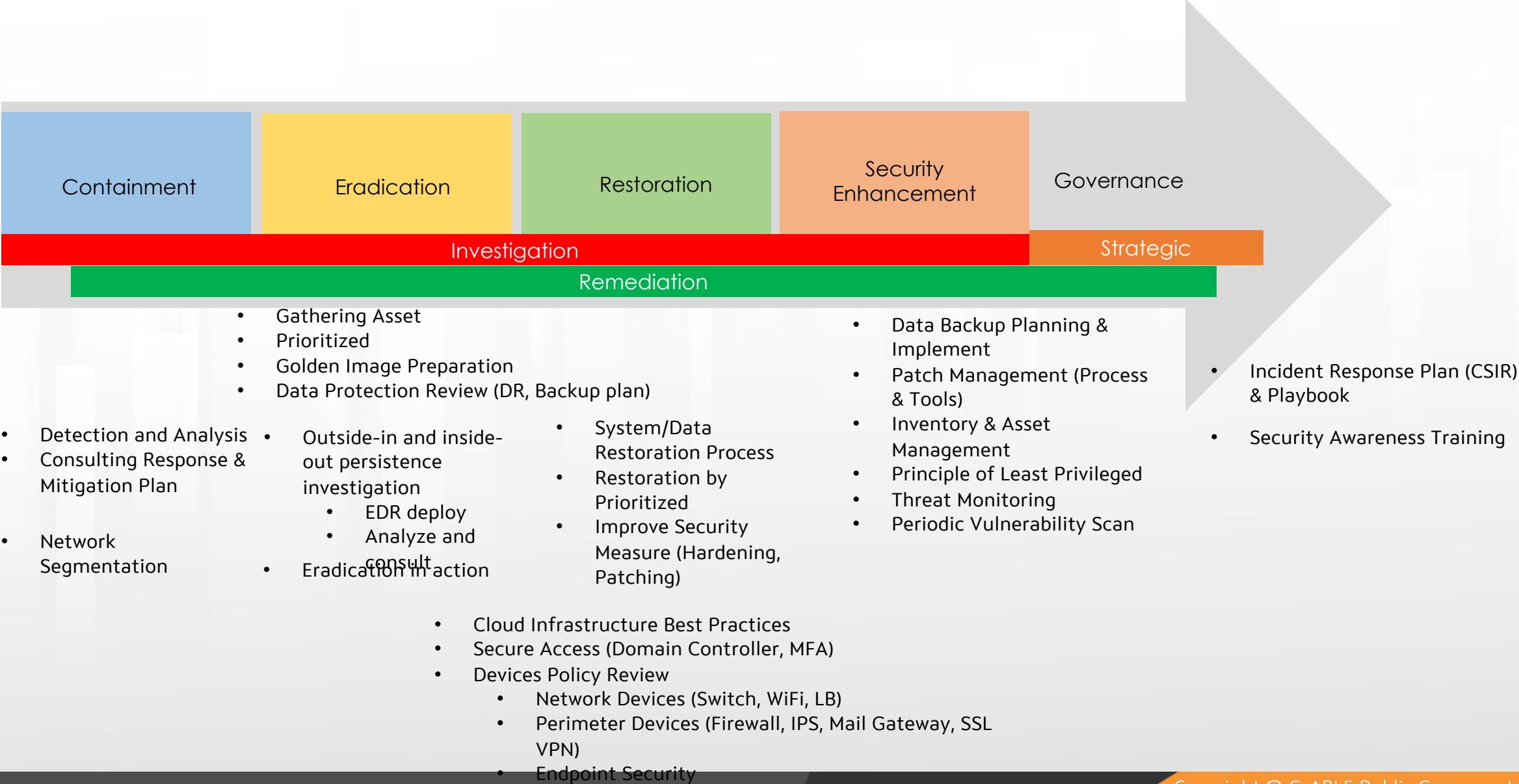
- Monitor devices for abnormal or dangerous behaviors
- Alert/Respond to any unwanted or unexpected behaviors

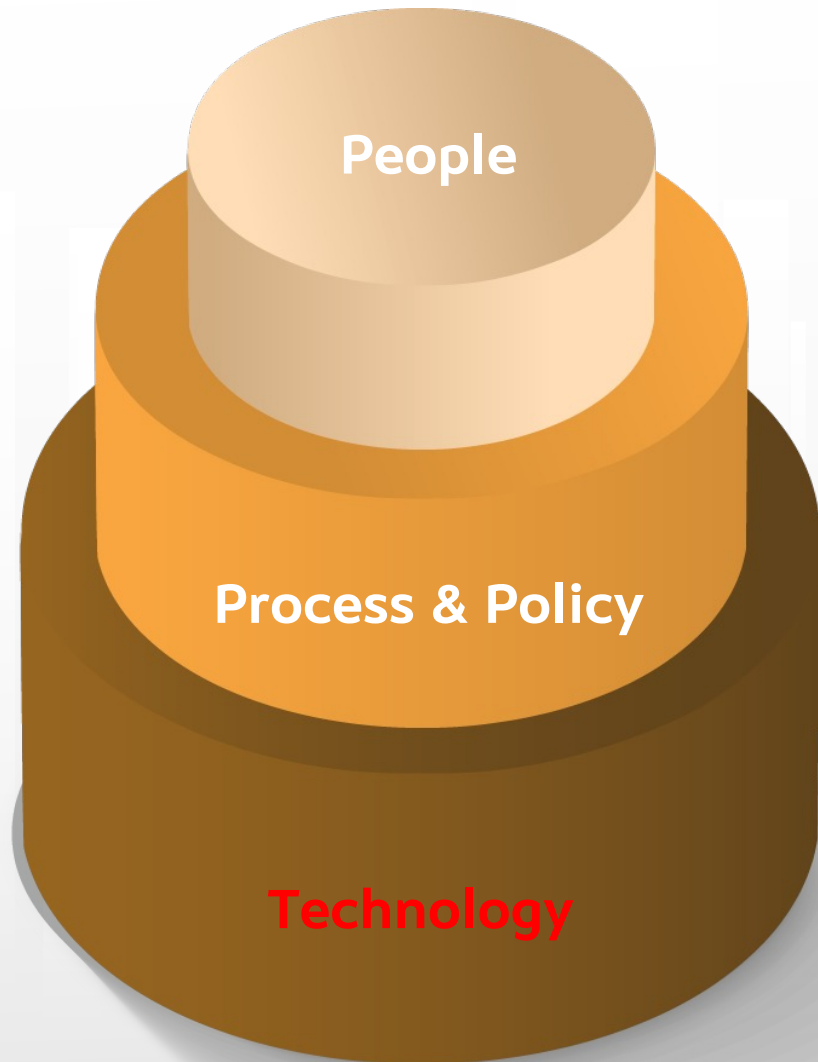
Risk Management

- Identify vulnerabilities that exist on each asset
- Provide risk assessment of every device based on device type, OS, applications, and behavior



Ransomware attacks were launched by **RaaS Groups** in the last two years





**There is no bulletproof
to cyber incident,
but we can ... **reduce the risk****

Technology Investment : Million-Dollar Question



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Vulnerable for **Zero Days**



Vulnerable for **Seven Days**



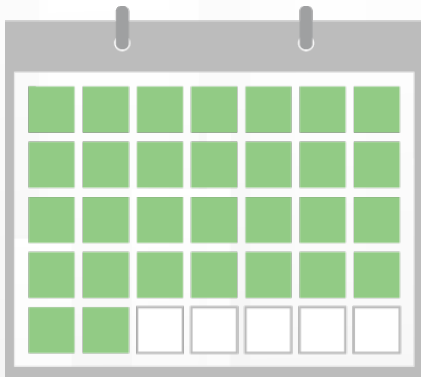
Vulnerable for **30 Days**

**How many days does it take us
to patch the systems?**



**30-Day Patching
For \$1M per Year**

Technology Investment : Million-Dollar Question



30-Day Patching for
\$1M per year

This Is a Protection-Level Agreement (PLA)

Making a decision based on a measurable level of protection.



Set a protection target.

**Guide investment
to achieve
Value and protection.**

Cybersecurity Is A **Journey**, Not A Destination

