



CYBER THREATS DON'T SLEEP. NEITHER DO WE.

# Cybots Cybersecurity Solutions

## Case Study: Government Agency

# Government Agency Intrusions and Vulnerabilities



## INTRUSIONS

In 2021 alone, there are more than 100 significant breaches against government agencies all over the world. We define a significant breach as cyber-attacks on government agencies, defense and high-tech companies, or economic crimes with losses of more than a million dollars.

Cybercriminals and state actors targeted various infrastructure including telecommunications, polling, food and health systems for espionage, sabotage, and stealing of state secrets.

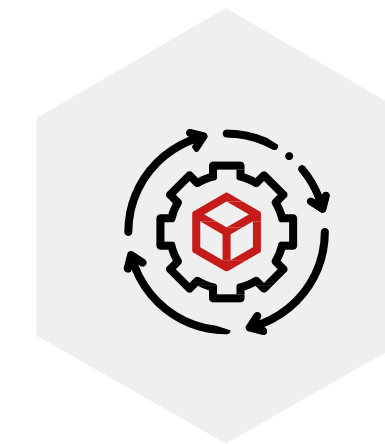
<https://www.infosecurity-magazine.com/news/two-thirds-financial-services/>



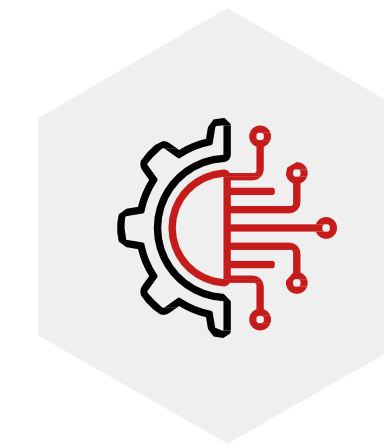
## VULNERABILITIES



Unintentional insider failures/vulnerabilities



Supply Chain



Gaps in technology

## Why are Government Agencies Targeted?

- Critical Infrastructure – They look for long-term access to gather intelligence and develop means to disable critical infrastructure and industries. Utilities such as Power and Telco companies also have vast amounts of personally identifiable information.
- Intellectual Property – They look to steal intellectual property that is expensive to develop in fields like high technology, medicine, defense and agriculture.
- Research Data - They look to acquire such data to accelerate their own development of solutions in a variety of fields including military and bio sciences. These could have an espionage or profit motive.
- Personal Data – State sponsored hackers look to exploit personal data of key high - ranking officials and decision makers. This Personally Identifiable Information (PII) could be used as leverage to advance their own agenda.

# Case Study – Government Agency in ASEAN



A Government Agency in ASEAN contacted Cybots in search of Solutions relating to Endpoint Security, AI enabled Automation and Improved Visibility of Intrusions



Cybots provided **Blue Team** against **Client's Red Team** as a POC evaluation of our solutions



We unveiled **Shadow IT** instances and provided a **Correlation mapping** for entire network of endpoints



The Red Team attacks, **lateral movement** and use of **Zero-day attacks and exploits** were fully captured



## Noteworthy points

- AI driven Automation that achieved faster response and lower human intervention, thereby reducing errors
- Shadow IT correlation which was not visible in other solutions
- Ease of self-deployment
- Improved Visibility of Intrusions

# Implementation and Conclusion



## OUR ROLE

Cybots Solutions provided a Cyber Situation report that captured a variety of attack modalities. This included providing forensic analysis of attack tactics, techniques and procedures.

The evaluation was positive, resulting in the adoption of Cybots Solutions.

The client was impressed with the following features:

- AI driven Automation that achieved faster response and lower human intervention, thereby reducing errors
- Shadow IT correlation which was not visible in other solutions
- Ease of self-deployment
- Improved Visibility of Intrusions

## OUR RESULT

As they were a Government Agency, they indicated the need to self-deploy the Solution to maintain high levels of confidentiality. Training was provided and self-deployment was successfully achieved.

The ability and ease of self-deployment facilitated the level of confidentiality that was necessary in a Government Agency environment.

The engagement of Cybots Solutions was expanded to deployment at an additional two Government Agency sites.



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#### OUR SUITE OF SOLUTIONS

- Advanced Managed Detection and Response (AMDR) Services
- Compromise Assessment Services
- Incident Response and Fast Forensic Services
- Threat Intelligence
- RiskInt

#### TURNKEY CYBERSECURITY SERVICES (ON REQUEST)

- Next-Generation SOC
- 24x7 Managed Security Services
- Security Consulting Services
- Security Testing Services
- Security Device Maintenance

#### CONTACT US

The Cybots team is here to be your cybersecurity partner throughout your cyber defense journey.

#### OUR AWARDS

- Gold Winner** - Advanced Persistent Threat (APT) Protection
- Gold Winner** - Endpoint Detection and Response (EDR) **Gold Winner** - AWS Cloud Security
- Gold Winner** - Artificial Intelligence Security **Gold Winner** - Cyber Threat Intelligence (CTI) **Gold Winner** - Critical Infrastructure (CI) Security **Gold Winner** - Cybersecurity Audit



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