Creative ITC

EVERY MINUTE MATTERS

EVERY 11 SECONDS A BUSINESS FALLS VICTIM TO A RANSOMWARE ATTACK

BUT IT TAKES FIRMS...

261 DAYS

ON AVERAGE TO **IDENTIFY AN ATTACK**

314 DAYS

ON AVERAGE TO **CONTAIN A BREACH**

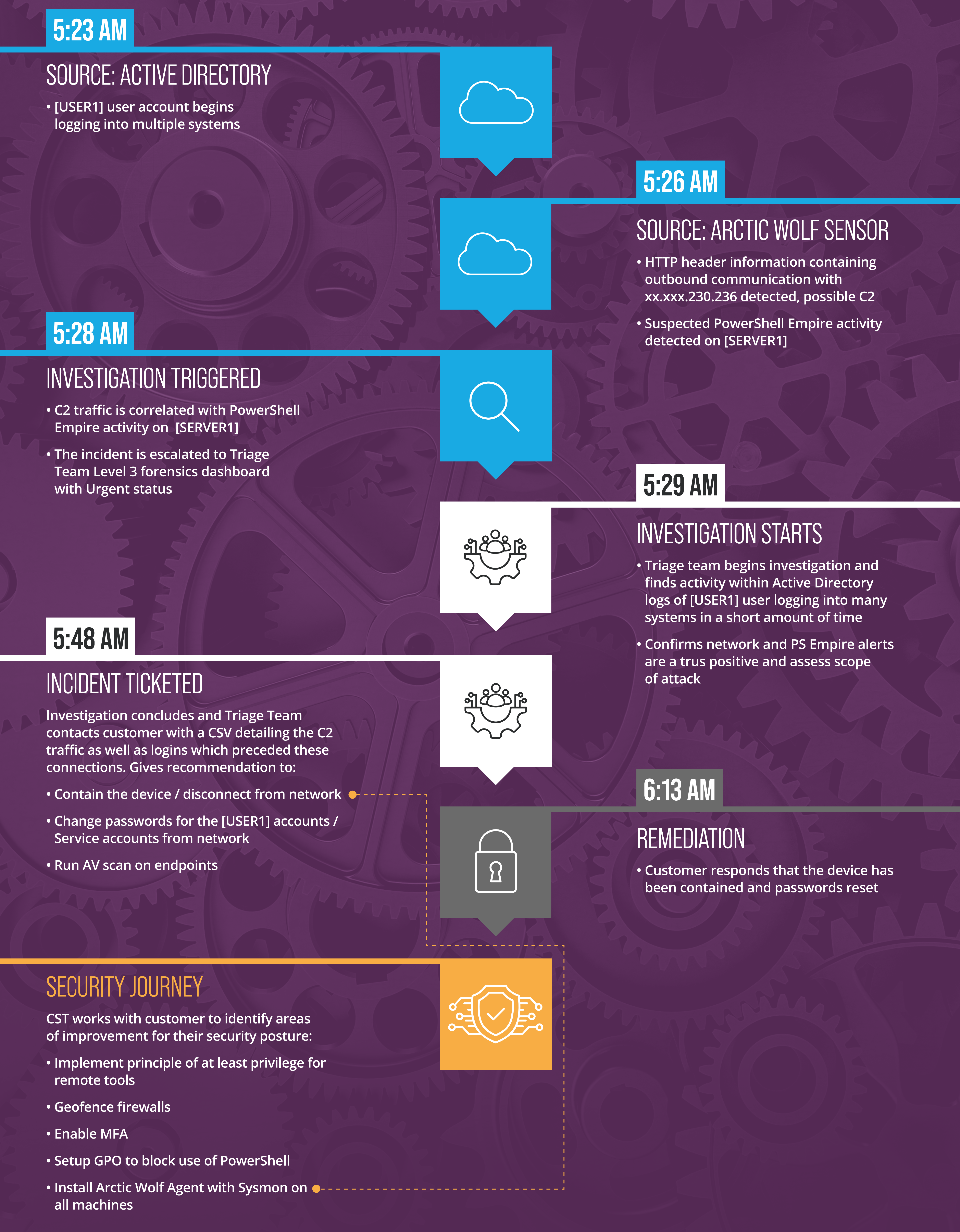
Organisations need to quickly detect and remediate cyber-attacks to stay protected.

CREATIVE ITC'S SECURITY OPERATIONS CENTRE AS A SERVICE (SOCaaS) SOLUTION PROVIDES CLIENTS WITH AN **IMMEDIATE RESPONSE TO THREATS 24/7** AND APPLIES THIS LEARNING TO STRENGTHEN RESILIENCE OVER TIME.

RANSOMWARE RESPONSE TIMELINE

THIS TIMELINE OUTLINES RAPID RESPONSE TO A REAL-WORLD RANSOMWARE ATTACK

🟦 Arctic Wolf Platform ⬜ Triage Team ⬛ Customer 🟧 Concierge Security Team



5:23 AM

SOURCE: ACTIVE DIRECTORY

- [USER1] user account begins logging into multiple systems

5:26 AM

SOURCE: ARCTIC WOLF SENSOR

- HTTP header information containing outbound communication with xx.xxx.230.236 detected, possible C2
- Suspected PowerShell Empire activity detected on [SERVER1]

5:28 AM

INVESTIGATION TRIGGERED

- C2 traffic is correlated with PowerShell Empire activity on [SERVER1]
- The incident is escalated to Triage Team Level 3 forensics dashboard with Urgent status

5:29 AM

INVESTIGATION STARTS

- Triage team begins investigation and finds activity within Active Directory logs of [USER1] user logging into many systems in a short amount of time
- Confirms network and PS Empire alerts are a trus positive and assess scope of attack

5:48 AM

INCIDENT TICKETED

Investigation concludes and Triage Team contacts customer with a CSV detailing the C2 traffic as well as logins which preceded these connections. Gives recommendation to:

- Contain the device / disconnect from network
- Change passwords for the [USER1] accounts / Service accounts from network
- Run AV scan on endpoints

6:13 AM

REMEDIATION

- Customer responds that the device has been contained and passwords reset

SECURITY JOURNEY

CST works with customer to identify areas of improvement for their security posture:

- Implement principle of at least privilege for remote tools
- Geofence firewalls
- Enable MFA
- Setup GPO to block use of PowerShell
- Install Arctic Wolf Agent with Sysmon on all machines

5 MINS

TO **DETECT** THE ATTACK

<1 HOUR

TO **CONTAIN** THE BREACH

Creative ITC

Interested in hearing more about how our 24/7 fully managed SOCaaS solution could ensure your organisation benefits from a more robust, proactive security posture?

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