Check Point®
SOFTWARE TECHNOLOGIES LTD.

Stopping the Next Massive Cyber Attack

©2014 Check Point Software Technologies Ltd.

Era of the Breach

Era of the Breach

39%

of large companies say targeted attacks are a major threat[1]

117,339

global attacks per day[2]

$12.7 million

Average annualized cybercrime cost by organization[3]

[1] IT Security Risks Survey 2014, Kapersky Lab report, 2014

[2] PWC Global State of Information Security Survey 2015, PWC, October 2014

[3] "2014 Cost of Cyber Crime Study: United States," Ponemon Institute, October 2014

©2014 Check Point Software Technologies Ltd.

What can breaches teach us?

- Security vulnerabilities
- Operational weaknesses
- Common attack patterns
- Preventive steps

©2014 Check Point Software Technologies Ltd.

Best-in-class security products are **not enough** on their own.

Only a **security-driven network architecture** and **security infrastructure** partnered with **experienced staff** can prevent future attacks.

©2014 Check Point Software Technologies Ltd.

5 Steps to Stronger Security

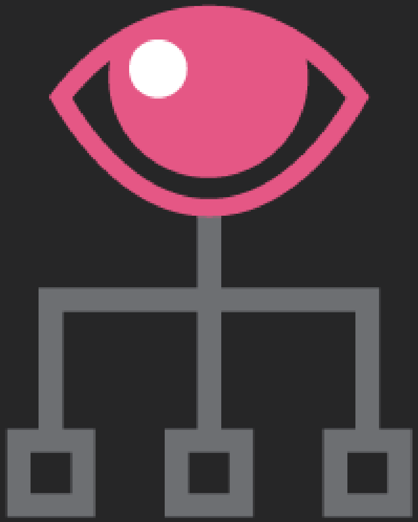
STEP 1

Assess environment vulnerabilities and weaknesses.

©2014 Check Point Software Technologies Ltd.

Evaluating Security

- Ingress/Egress
- Critical Services
- Critical Data
- Segmentation
- Security controls
- Password policy controls
- Advanced threat prevention



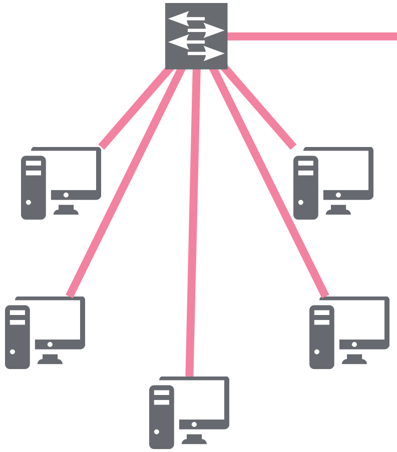
©2014 Check Point Software Technologies Ltd.

STEP 2

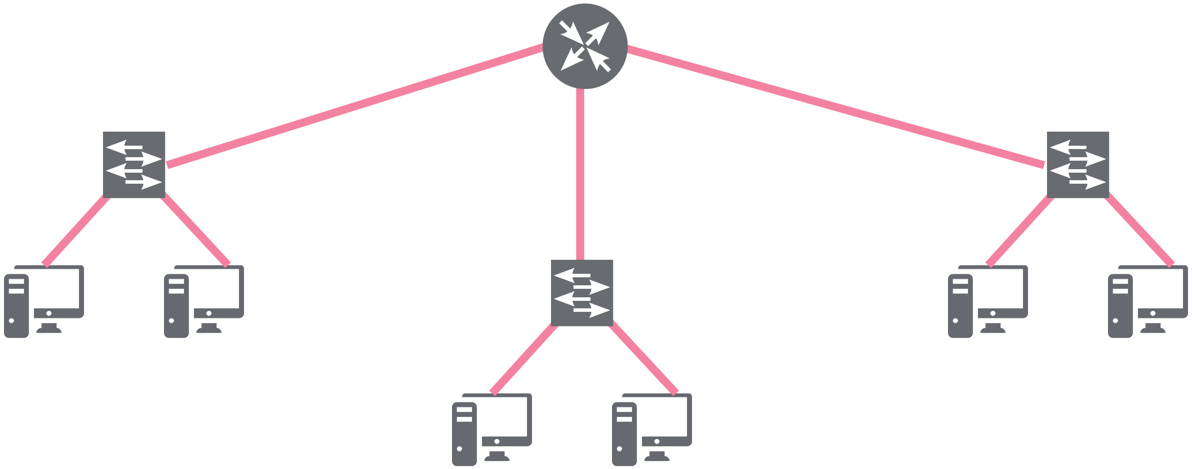
Segment the network to prevent and contain infections.

©2014 Check Point Software Technologies Ltd.

FLAT NETWORK



SEGMENTED NETWORK



©2014 Check Point Software Technologies Ltd.

STEP 3

Launch **security controls** to protect against APTs.

Stopping Attacks At Every Stage

©2014 Check Point Software Technologies Ltd.

The criminal identifies a vulnerability to exploit

Security solution:

IPS

Malware connects with its Command & Control center

Security solution:

Anti-bot tools

The criminal writes code to exploit that vulnerability and download malware

Security solution:

Segmentation
IPS
AV
Anti-bots

Malware spreads through the network to look for critical data

Security solution:

AV
Sandboxing

Malware finds the data & begins exfiltration.

Security solution:

Data leakage and loss prevention tools

©2014 Check Point Software Technologies Ltd.

STEP 4

Monitor 24/7 for continuous security.

©2014 Check Point Software Technologies Ltd.

8 Monitoring Steps to Security

Monitor logs daily.

Correlate logs from **different technologies.**

Tune detection and **analysis** rules based on logs.

Identify potential incidents with anomaly detection tools.

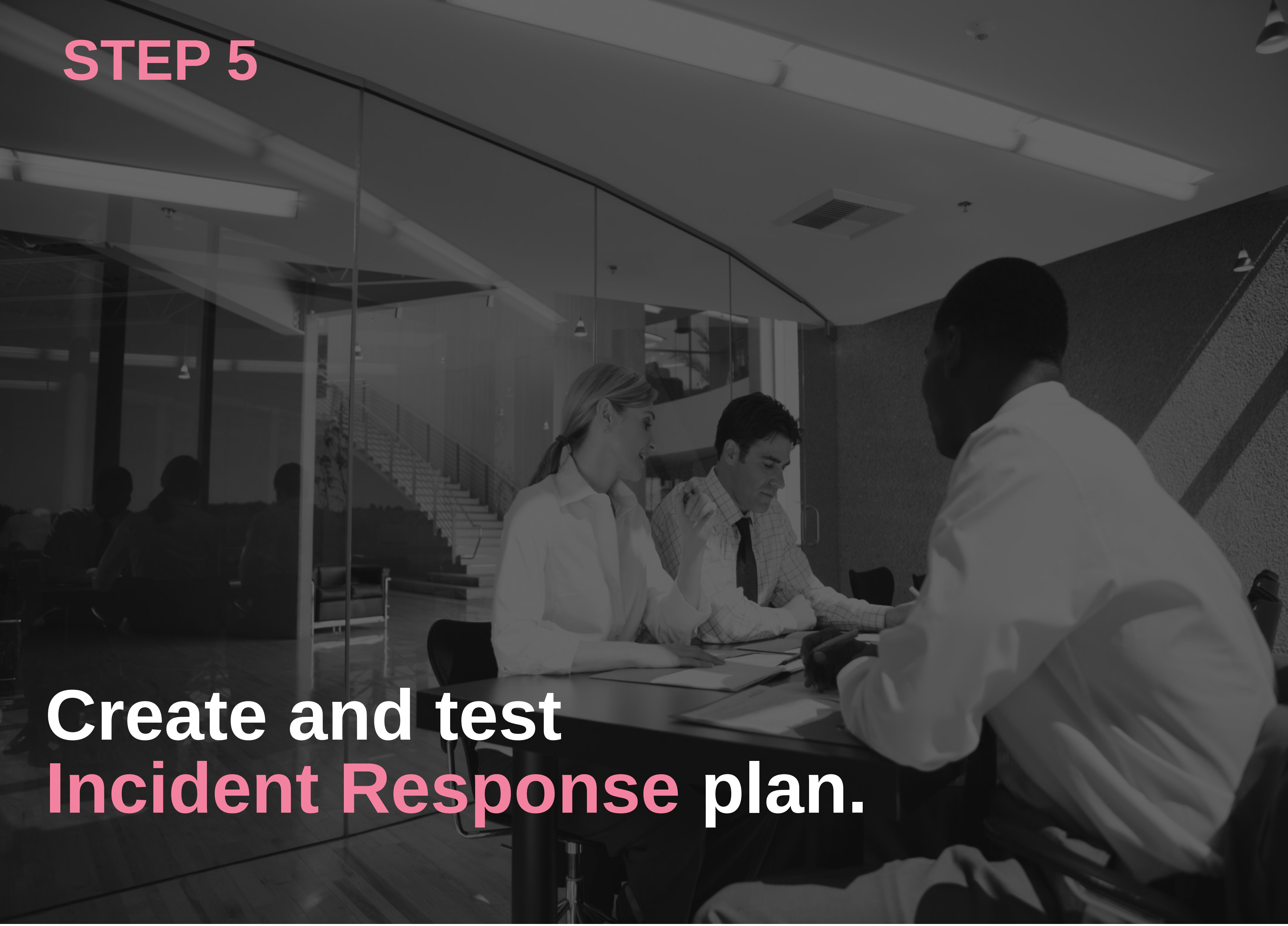
Stay familiar with **network assets.**

Use **visualization** to assist expert analysis.

Maintain logs for **90 days** or more.

Retroactively review logs based on **new data.**

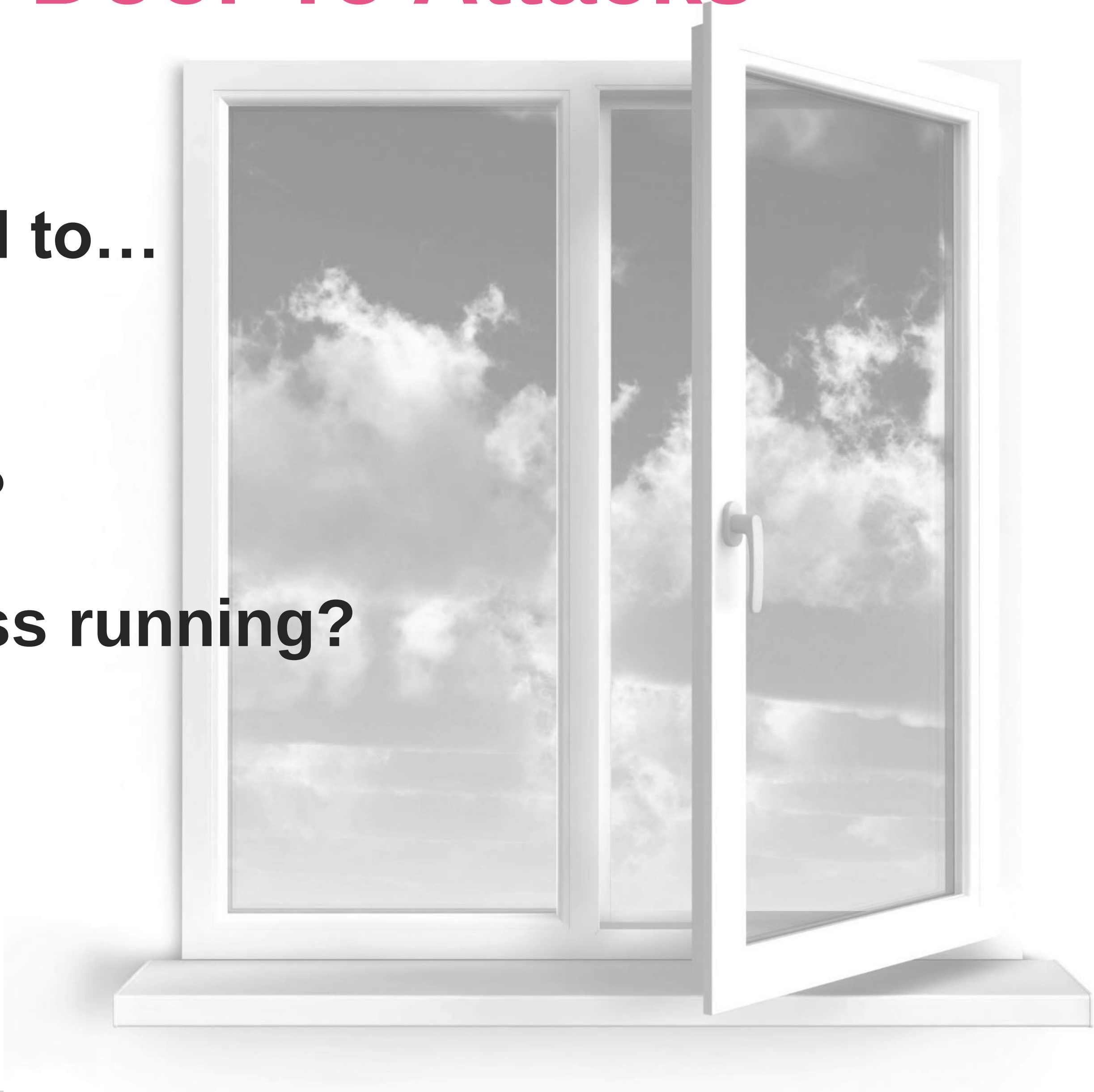
©2014 Check Point Software Technologies Ltd.



STEP 5

Create and test Incident Response plan.

Closing The Door To Attacks



Are you prepared to…

Contain attacks?

Minimize losses?

Keep the business running?

©2014 Check Point Software Technologies Ltd.

Recommendations

Security Checkup

Exposing hidden threats. Identifying solutions.

©2014 Check Point Software Technologies Ltd.

Software Defined Protection

Agile infrastructure that’s faster than fast-moving threats.

©2014 Check Point Software Technologies Ltd.

Next Generation Threat Prevention

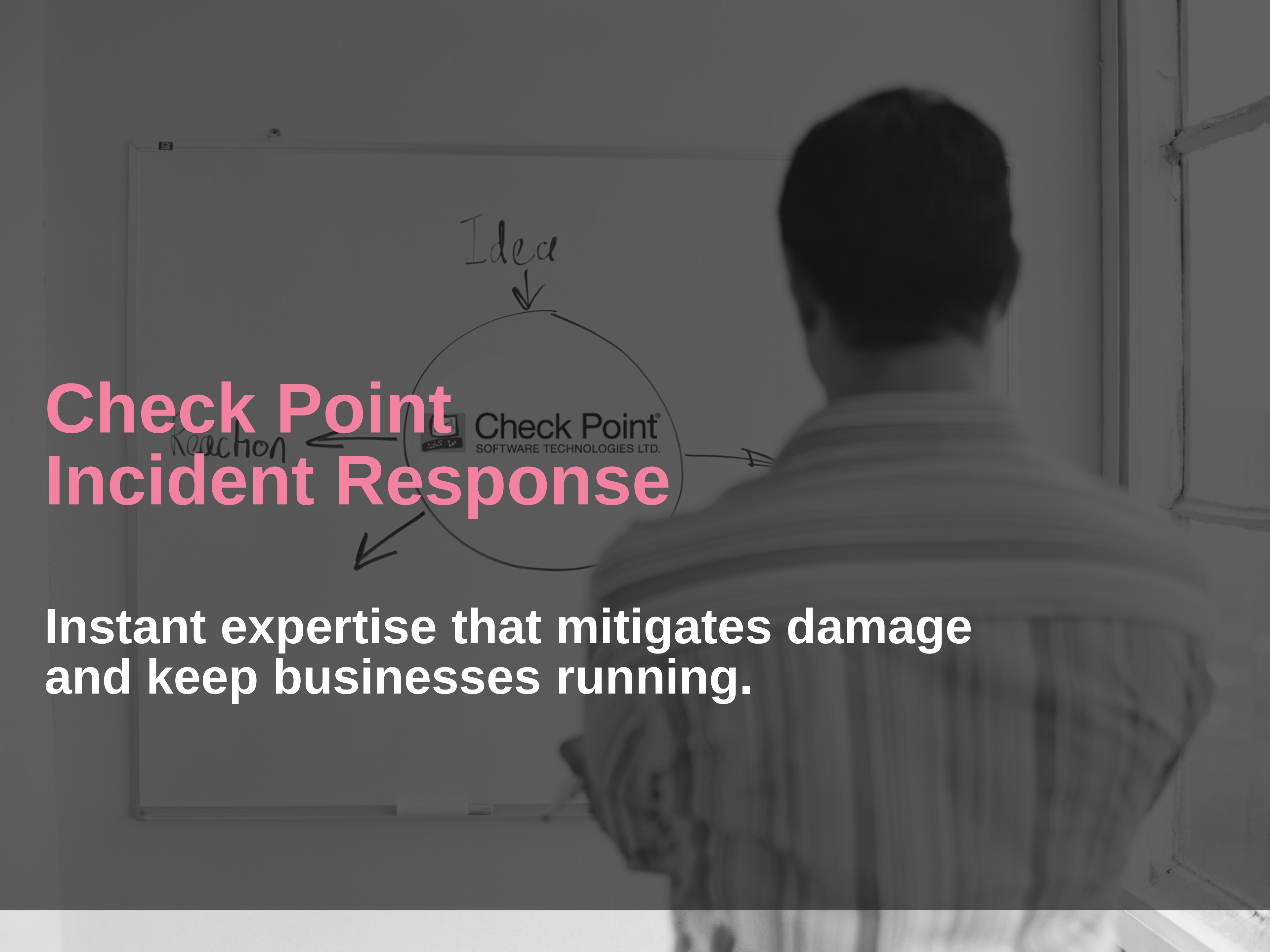
Multi-layered security that stops infections before they start.

©2014 Check Point Software Technologies Ltd.

ThreatCloud Managed Security Service

Collaborative security intelligence around the clock.

©2014 Check Point Software Technologies Ltd.



Check Point Incident Response

Instant expertise that mitigates damage and keep businesses running.

Stop Tomorrow's Attacks, Today.

Are criminals hiding in your network right now? Schedule a free Security Checkup today and find out. It's the first step toward advanced prevention and protection – *and stopping attacks before they start.*

<sales info – phone number and email>
name@checkpoint.com

©2014 Check Point Software Technologies Ltd.

THANK YOU!

©2014 Check Point Software Technologies Ltd.