



#AzureEvent
#BuildWithAzure

Azure Workshop GDPR, Security and Privacy features for cloud applications

Ben Roscorla, Mike Ormond, Robin Lester

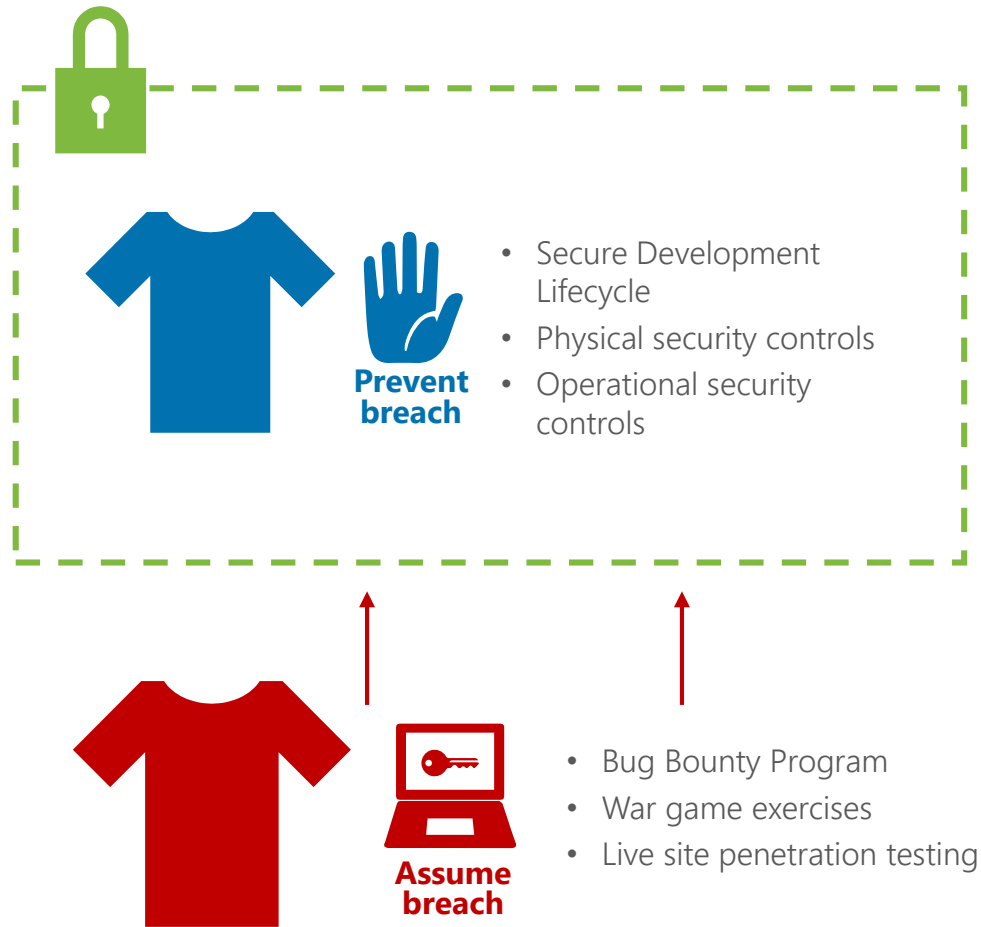
vipazure@microsoft.com



Monitoring and Operations

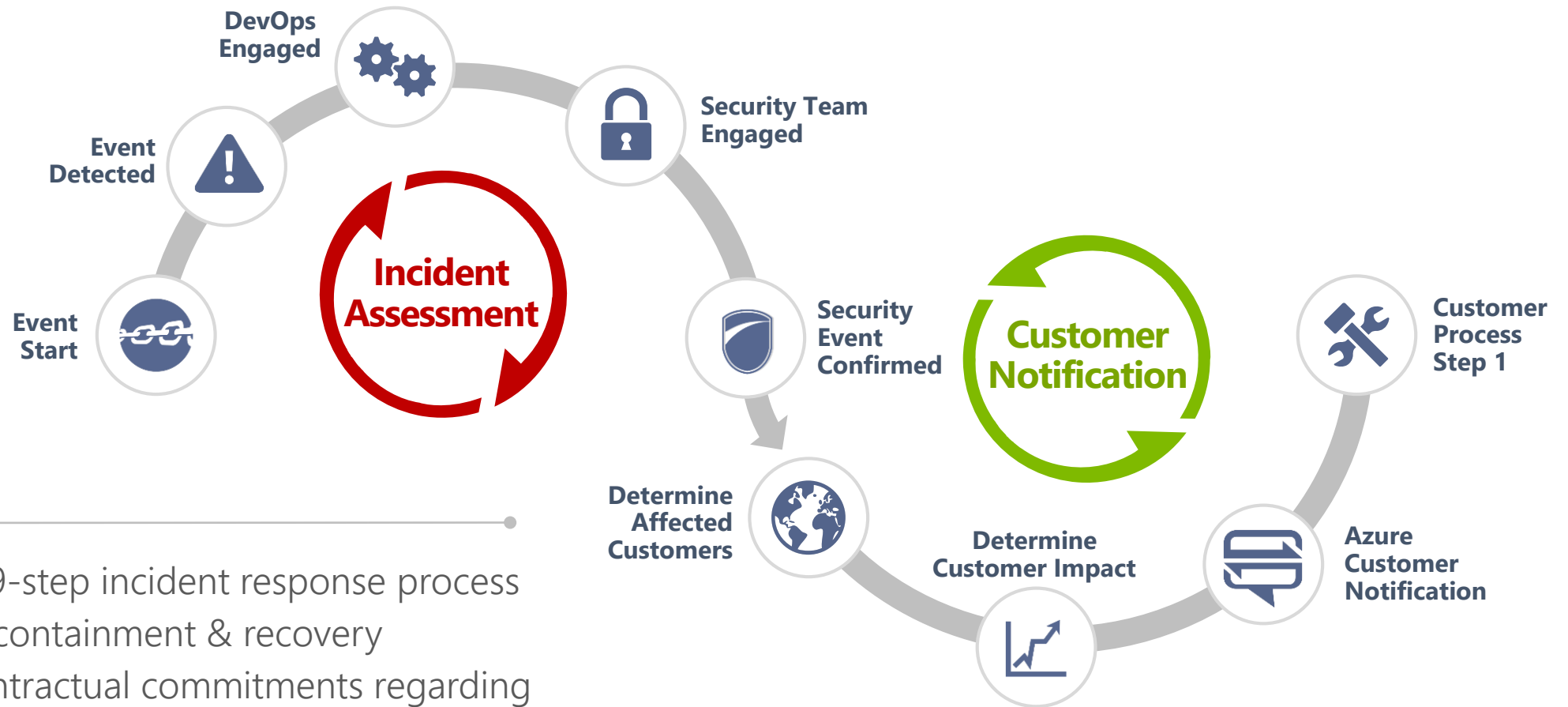


Prevent & Assume Breach



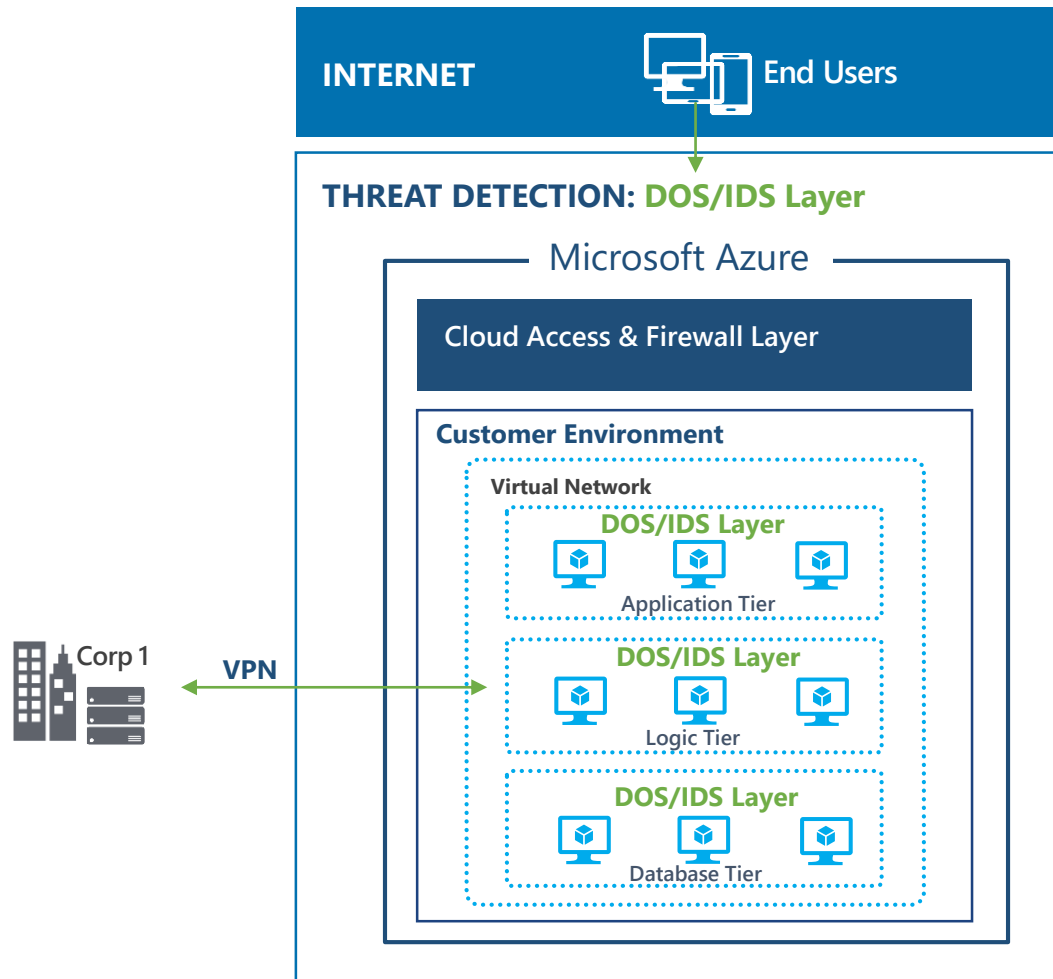
- ✓ **Prevent Breach** is a defensive strategy aimed at predicting and preventing a security breach
- ✓ The **Assume Breach** strategy, unique to Microsoft, is a key operational practice that hardens cloud services
 - ✓ Leverages Microsoft's vast threat intelligence
 - ✓ Includes state of the art security monitoring and response

Incident Response



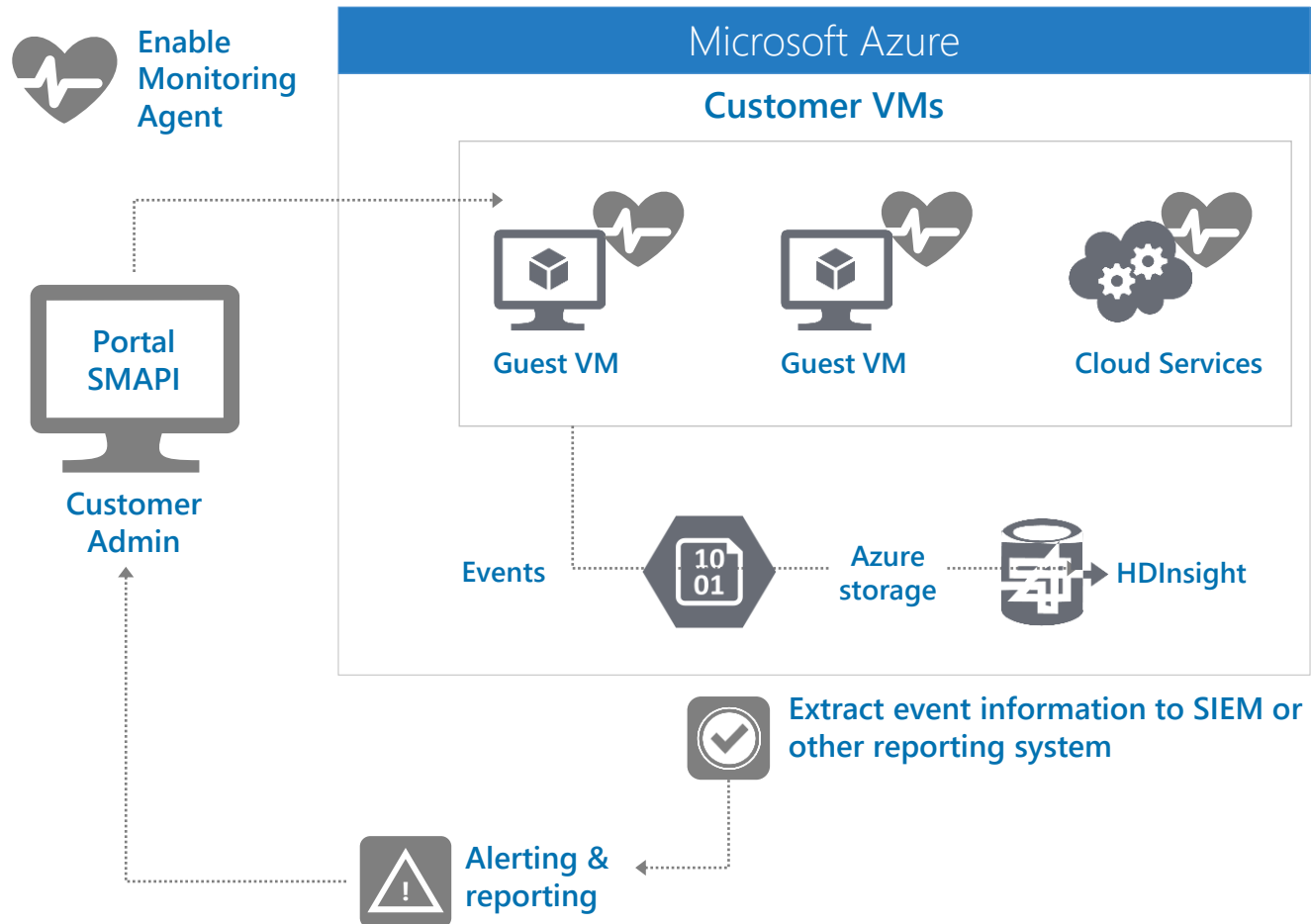
- ✓ In-depth 9-step incident response process
- ✓ Focus on containment & recovery
- ✓ Makes contractual commitments regarding customer notification + provides forensics

Threat Detection



- ✓ Provides big data analysis of logs for intrusion detection & prevention for the platform
- ✓ Employs denial of service attack prevention measures for the platform
- ✓ Regularly performs penetration testing

Host Protection: Monitoring, Firewalls, AV



- ✓ Configure monitoring, export events for analysis
- ✓ Configure Microsoft Antimalware or an AV/AM solution from a partner
- ✓ Apply corporate firewall using site-to-site VPN, configures endpoints
- ✓ Define access controls between tiers and provide additional protection via the OS firewall
- ✓ Monitor and respond to alerts

Update Management



AZURE:

- ✓ Apply patch management as a service
- ✓ Rigorously reviews & tests all changes

CUSTOMER:

- ✓ Applies similar patch management strategies for their Virtual Machines

Azure Security and Operations Management

Collect security-related events and perform forensic, audit, and breach analysis



Identification of missing system updates across data centers or in a public cloud

Comprehensive updates assessment across datacenters and public clouds



Comprehensive view into your organization's IT security posture

Detection of breaches and threats with malware assessment



Collection and analysis of security related events

Perform forensic, audit and breach analysis

Security Imperative

Securing Investment

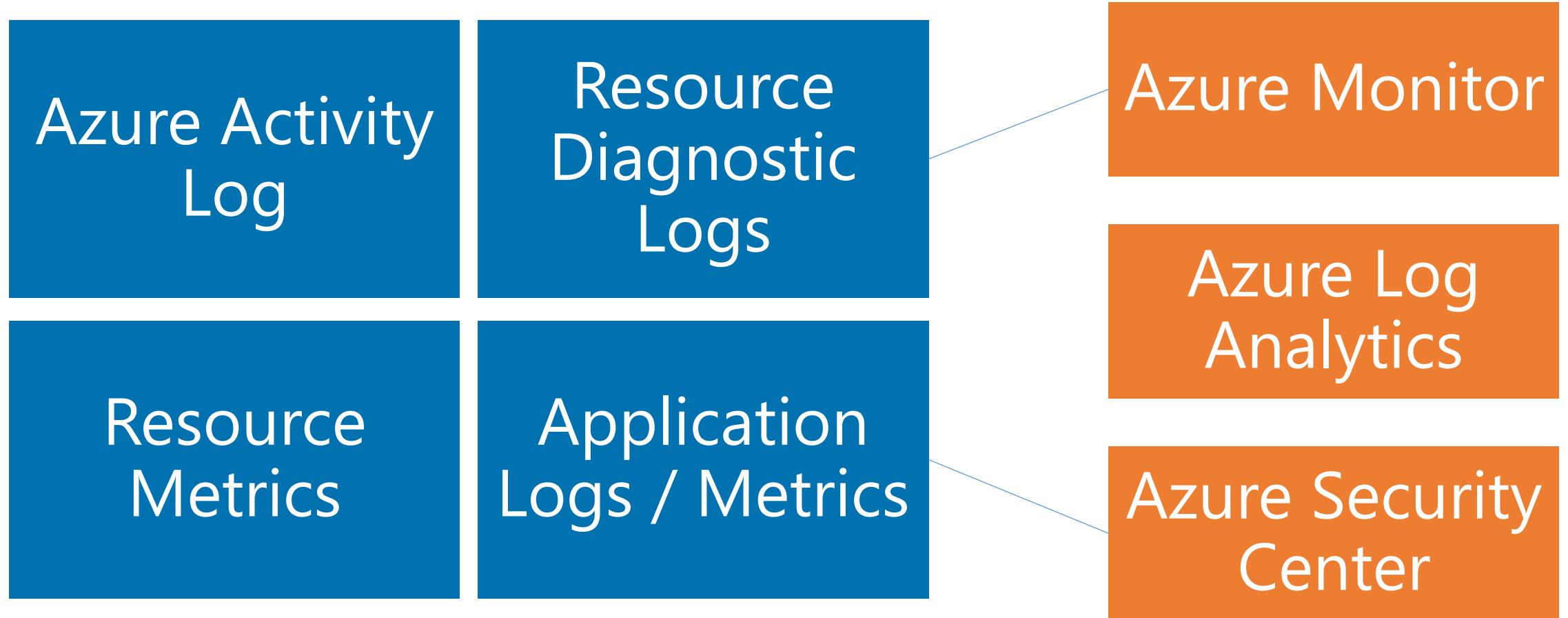
Securing Infrastructure

Securing Data

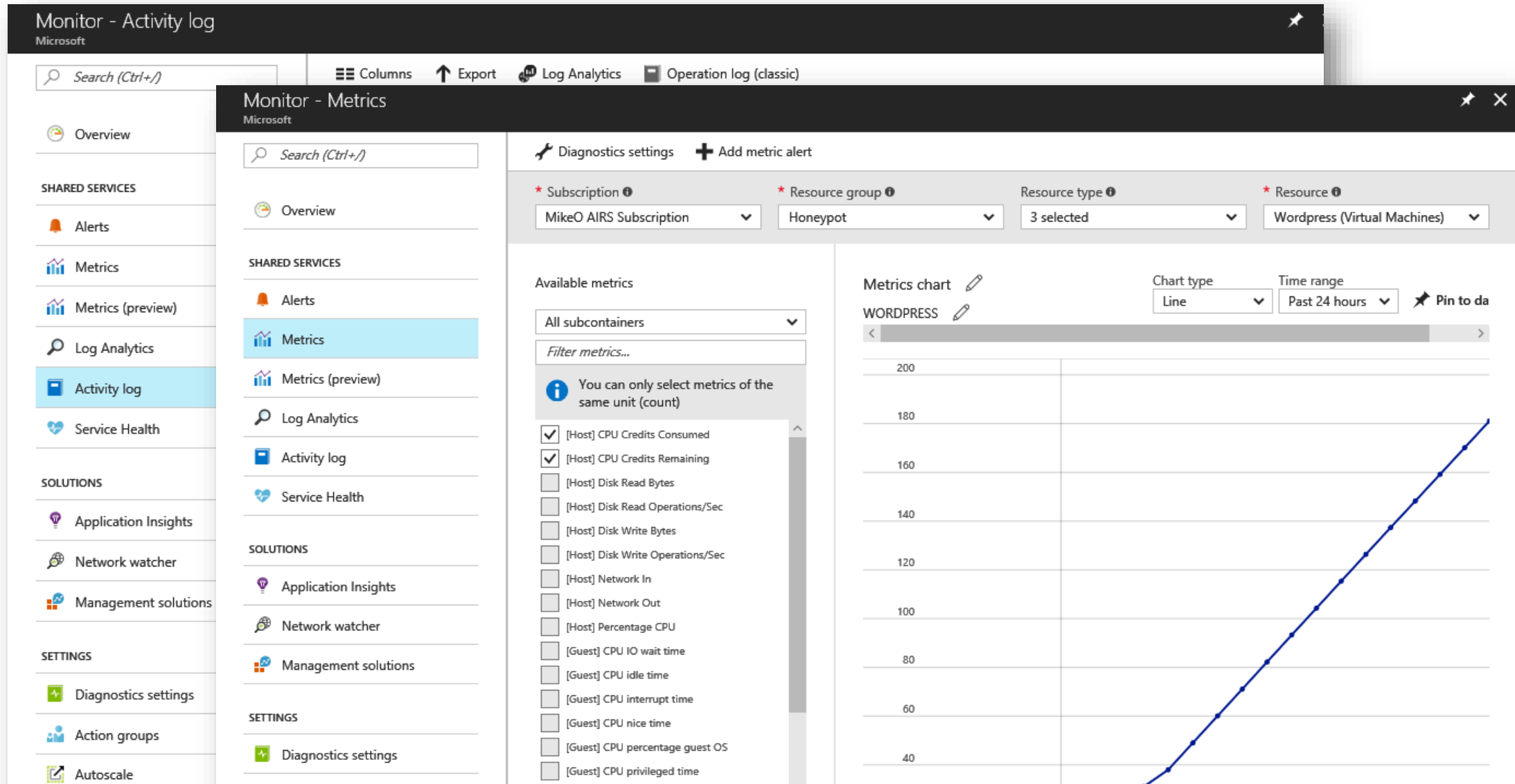
Securing Applications

Monitoring & Ops

Data Sources



Azure Monitor



Security Imperative

Securing Investment

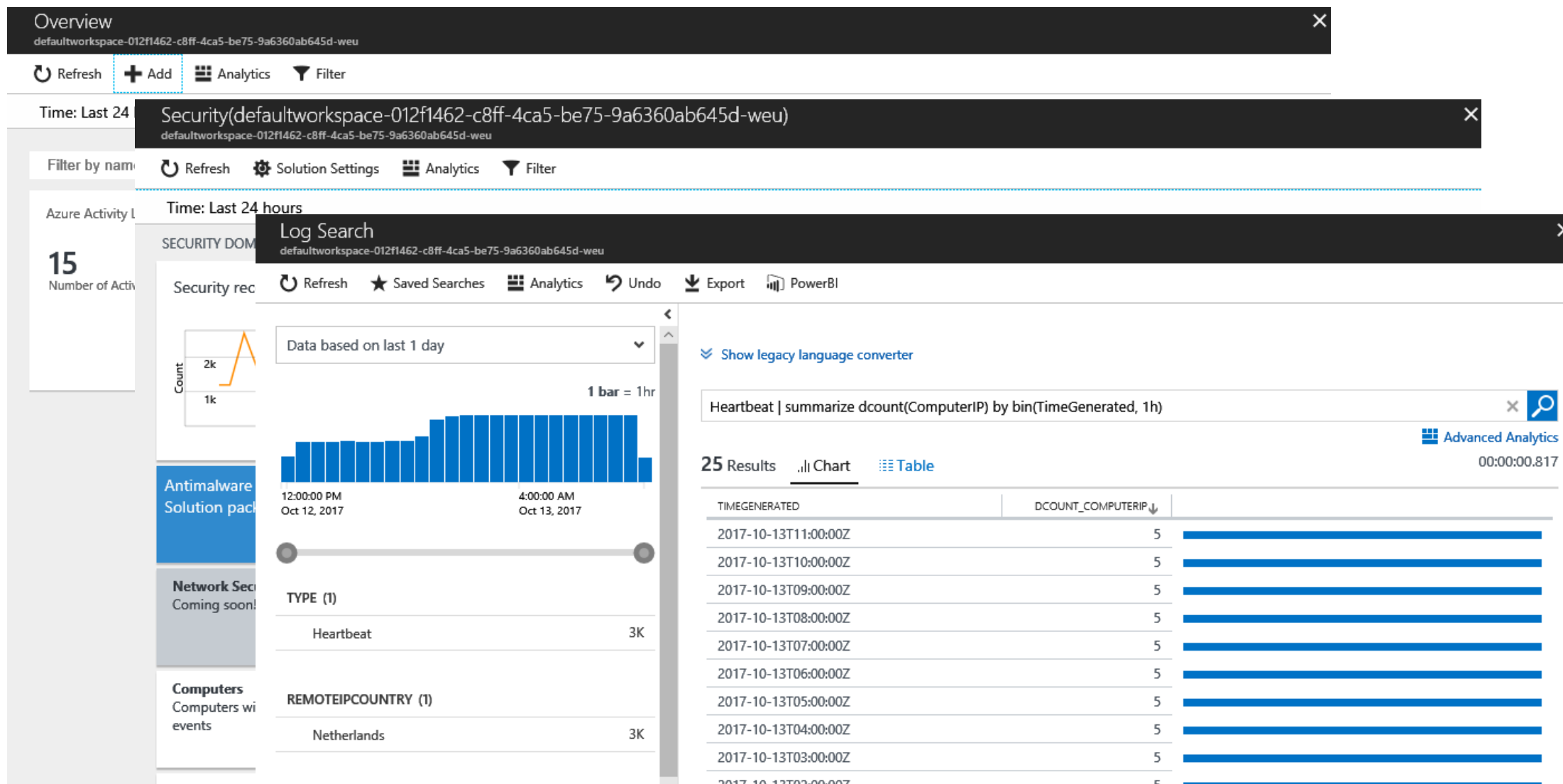
Securing Infrastructure

Securing Data

Securing Applications

Monitoring & Ops

Azure Log Analytics



Security Imperative

Securing Investment

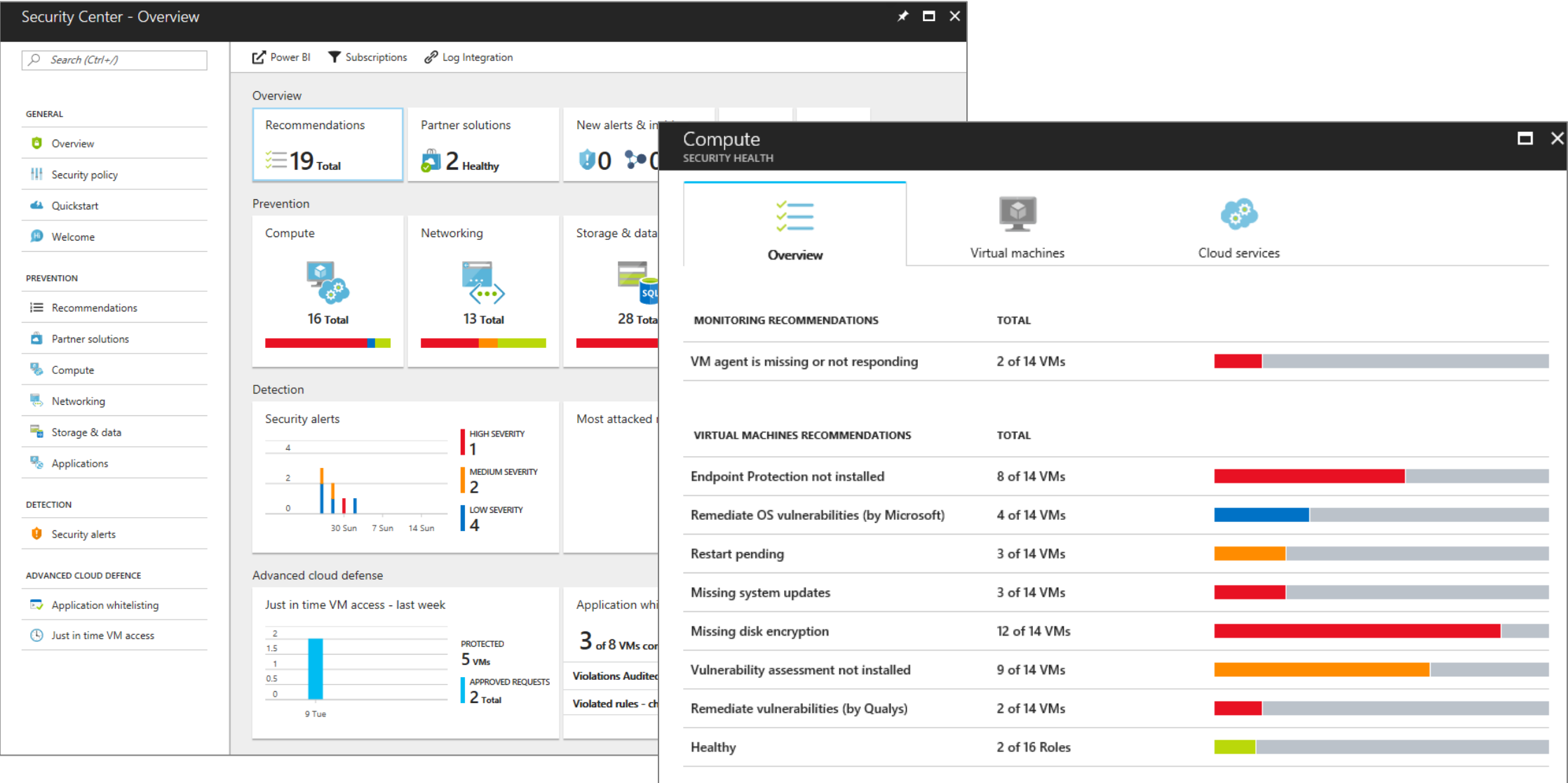
Securing Infrastructure

Securing Data

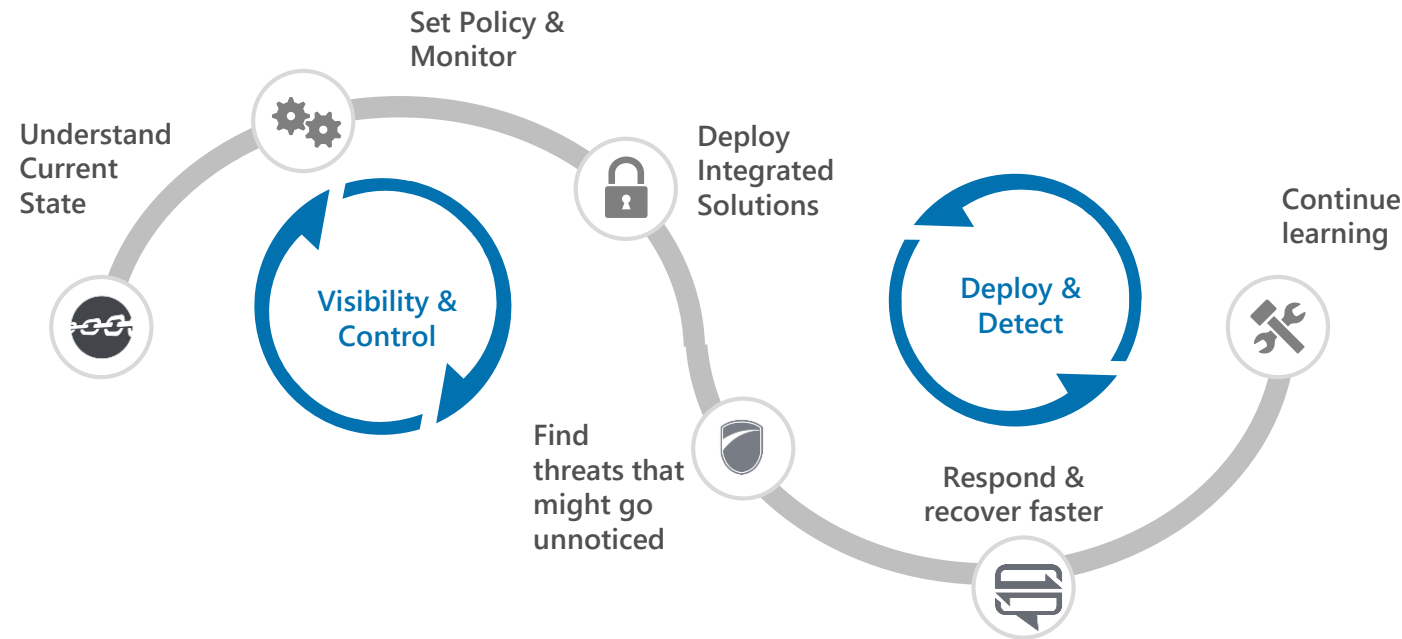
Securing Applications

Monitoring & Ops

Azure Security Center



Protect, Detect and Respond to Threats with Native Azure Security Center



- ✓ Gain visibility and control
- ✓ Integrated security, monitoring, policy management
- ✓ Built in threat detections and alerts
- ✓ Works with broad ecosystem of security solutions

 **Check Point**
SOFTWARE TECHNOLOGIES LTD.

 **TREND**
MICRO

 **IMPERVA**
SECURESPHERE

 **CLOUDFLARE**

 **Barracuda**

 **f5**

 **CISCO**

 **IMPERVA**
INCAPSULA

 **FORTINET**

Security Imperative

Securing Investment

Securing Infrastructure

Securing Data

Securing Applications

Monitoring & Ops

Demo

Azure Monitor
Azure Log Analytics
Azure Security Center



Resources

[Azure Monitor](#)

[Azure Log Analytics](#)

[Azure Security Center](#)

