

The background of the slide is a close-up, slightly blurred photograph of a military uniform. The uniform is dark-colored with a prominent American flag patch on the right chest area. The patch features the stars and stripes of the United States flag, with a gold-colored border. The lighting is dramatic, highlighting the texture of the fabric and the colors of the patch.

ivanti[®]

Mission Ready Attack Surface Management

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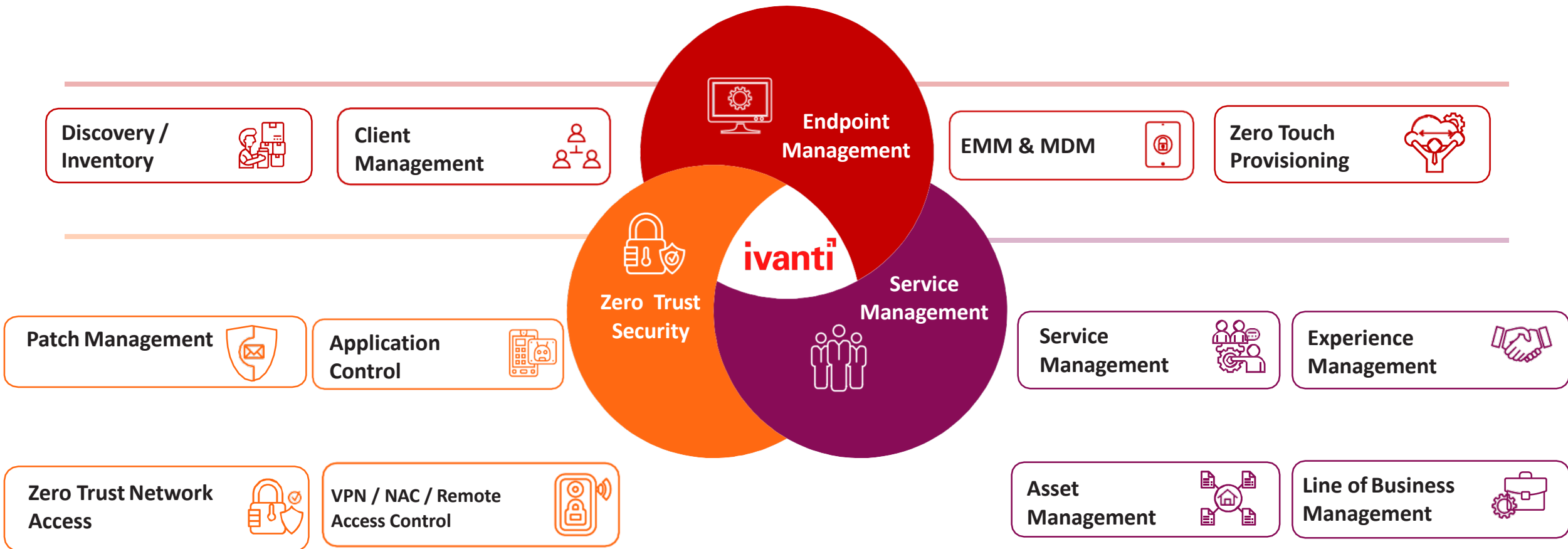


Agenda

- **About Ivanti**
- **What is Attack Surface Management?**
- **Attack Surface Management:**
 - Discovery
 - Privilege & Application Management
 - Risk-Based Vulnerability Management
 - Vulnerability Remediation
- **Question / Recap**

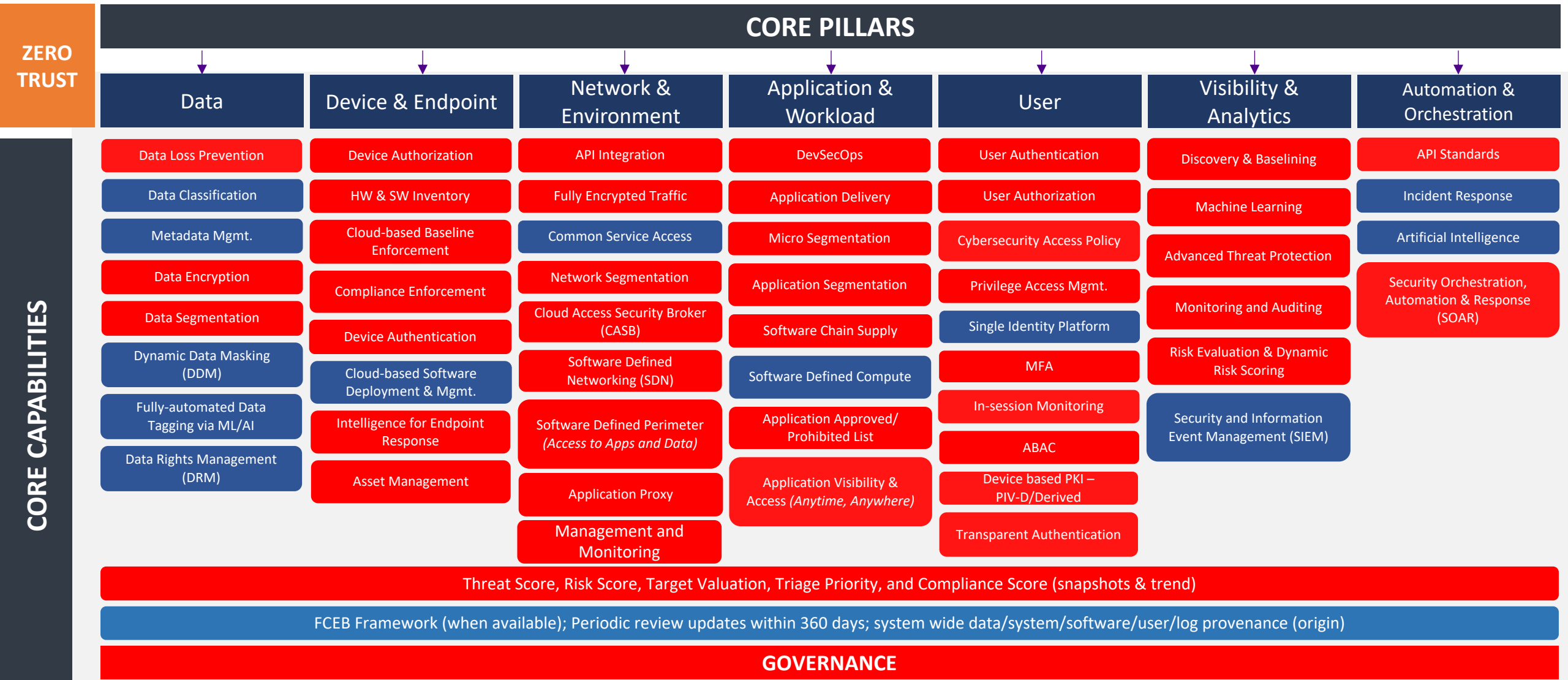
Unmatched End-to-End Platform

Ivanti's Platform Enables IT Organizations to Discover, Manage, Secure, Service, and Automate Critical Workflows Across all Device Types



Zero Trust

Capability Model



What is Attack Surface Management?

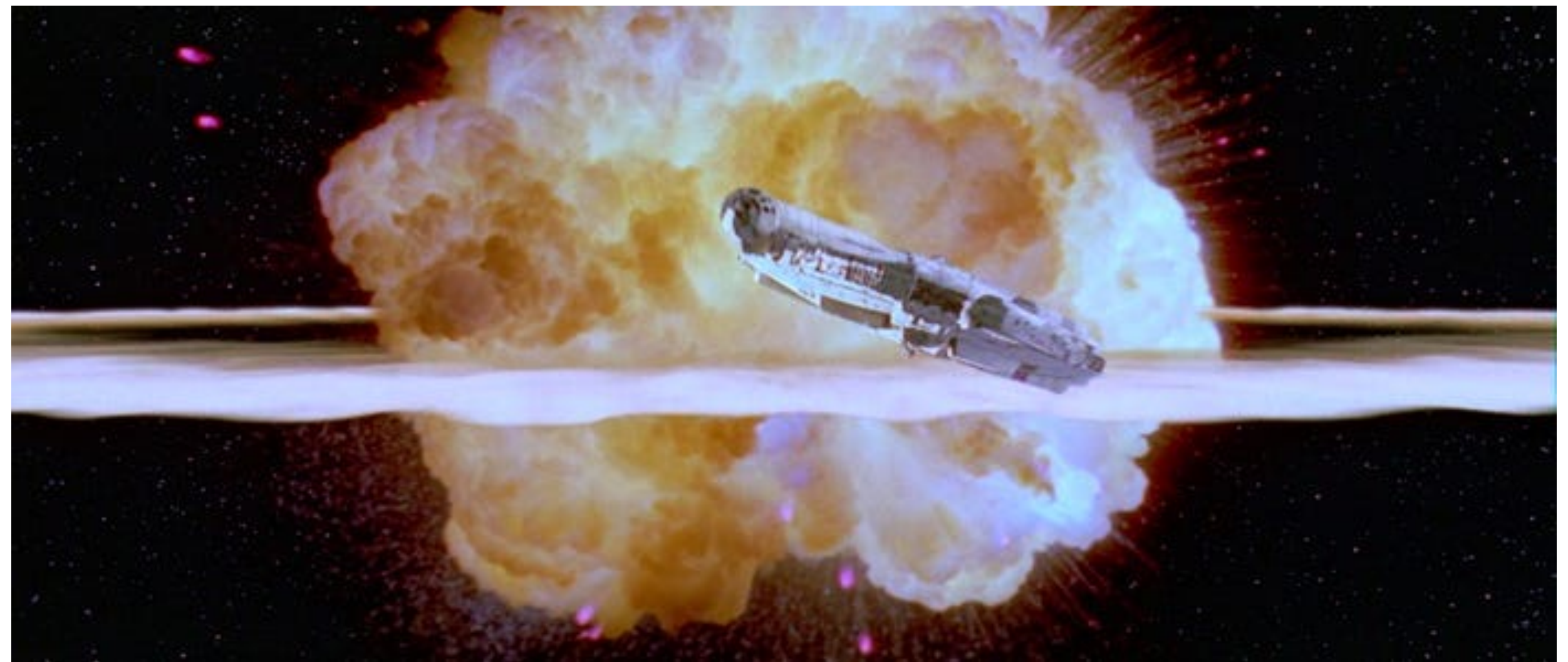
Mapping Solutions to Attack Surface Management



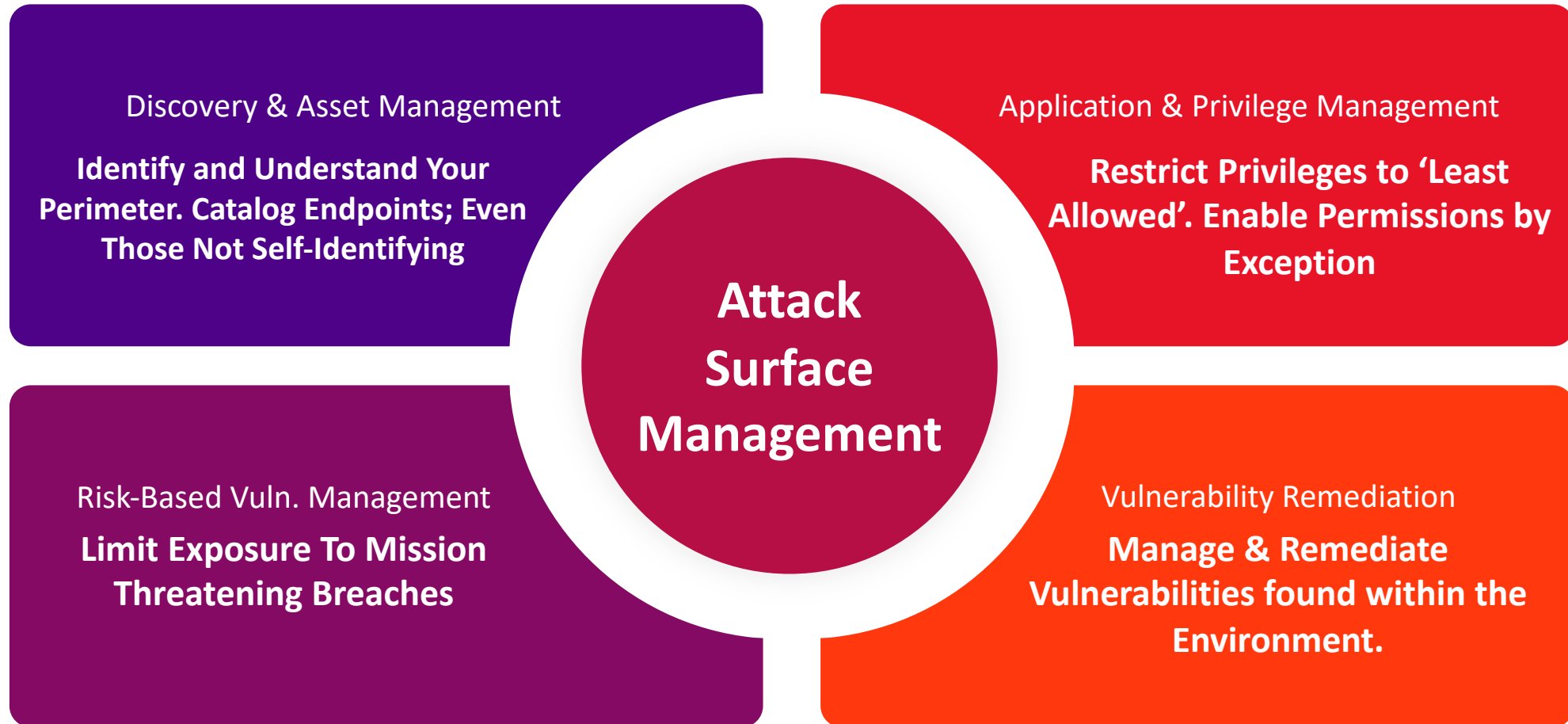
Attack surface management is the continuous process of discovering, classifying and assessing the security of an organization's assets in its entirety.



Attack Surface Management - Visualized



Overview: Mapping Attack Surface Management



Canvassing Your Environment

Discovery

Asset Management

Application Whitelisting

Privilege Management

Risk Based Vulnerability Management

Vulnerability Remediation



Discover



Ivanti Discovery

Simplifies security with unified and automated prevention, detection, and response techniques that target your biggest attack vectors.

Discover your Environment

Strengths



Ideal Discovery tools determine inventory, whether physical servers, VMs, and templates, regardless of power state or if they are on or offline.



Identify Windows, Mac, and Linux endpoints within the environment. Detect and remediate OS and third-party app vulnerabilities on systems running Windows, Red Hat Linux, Alma Linux, and CentOS.



Agentless scanning for rapid startup and zero footprint.



Discover & Manage off-network devices.



Integrate & automate with other products.

Use Case

- Leverage discovery tools to canvas or map endpoints within your environment, whether they are self-declared or not.
- Discovers both workstations and servers to patch, mix of online and offline workstations and servers.
- Agentless technology supports assessment and deployment to workstations and servers connected to your network while minimizing the impact on both your team and system workloads.
- Common Industries: DoD, Department of Energy, Civilian Agencies, & Federal Service Integrators.

Catalog Discovered & Managed Assets

Asset

Strengths



Catalog the endpoints in your environment and establish a lifecycle for those devices. Alert admins of any issues from within a Centralized Console / Report.



Establish your Assets into your organizations CMDB. Begin to build a record that ties vulnerabilities & potential breaches to specific assets. Build your organizations technology into a centralized CMDB.



Export Asset information to reporting tools such as Splunk, etc.



Manage the entire Device Lifecycle from Procurement to Retiring



Sources include: Discovery Tools, & Contract Information.



Asset Management

Manage IT assets throughout their entire lifecycle—from purchase through disposal.

Use Case

- Deploy ITAM infrastructure to both Cloud-Based and On-Prem based environments to establish ITIL-based Asset Lifecycle Management.
- Allow ITAM to act as the Point of Record for any Assets within the environment and leverage that to
- Establish ITAM as a backbone for other Attack Surface Management Tools (Discovery, Privilege / Application Management, Risk-Based Vulnerability Management, & Vulnerability Remediation)
- Common Industries: DoD, Department of Energy, Civilian Agencies, & Federal Service Integrators

How to Protect Your Endpoints (and Data)

Discovery

Asset Management

Privilege Management

Application Management & Whitelisting

Risk Based Vulnerability Management

Vulnerability Remediation

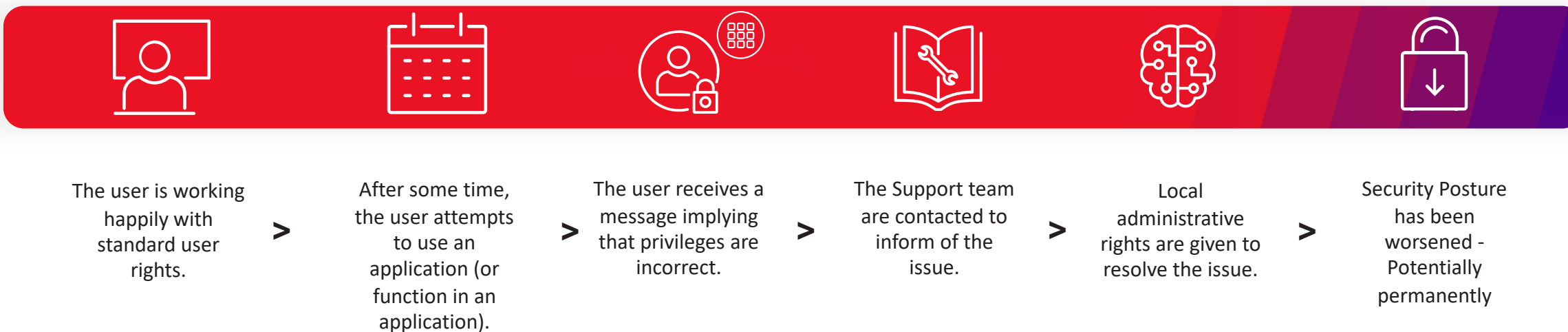


Privilege Management Degradation

Challenge: “I don’t want any local administrators in my environment however, there are some applications that require higher than standard rights and I don’t want to impact user productivity”

Description: Local administrative rights have been removed from all users. However, if an application is identified that requires additional rights, the user is given full administrative rights in their workspace again.

The Privilege Degradation Lifecycle



Controlling Privilege Degradation

How leveraging Application Control tools like Ivanti & other 3rd Parties assist against Privilege Degradation

Granular Privilege Management

Enables you to implement '**least privilege**' access and eliminate local admin accounts while still giving users the privileges that they need to do their job.

Maintain Productivity

Delivers security without impacting productivity with minimal performance impact to end users.

Minimal Administrative Overhead

Manage application access and privilege management across your desktop and server estate in an automated fashion.

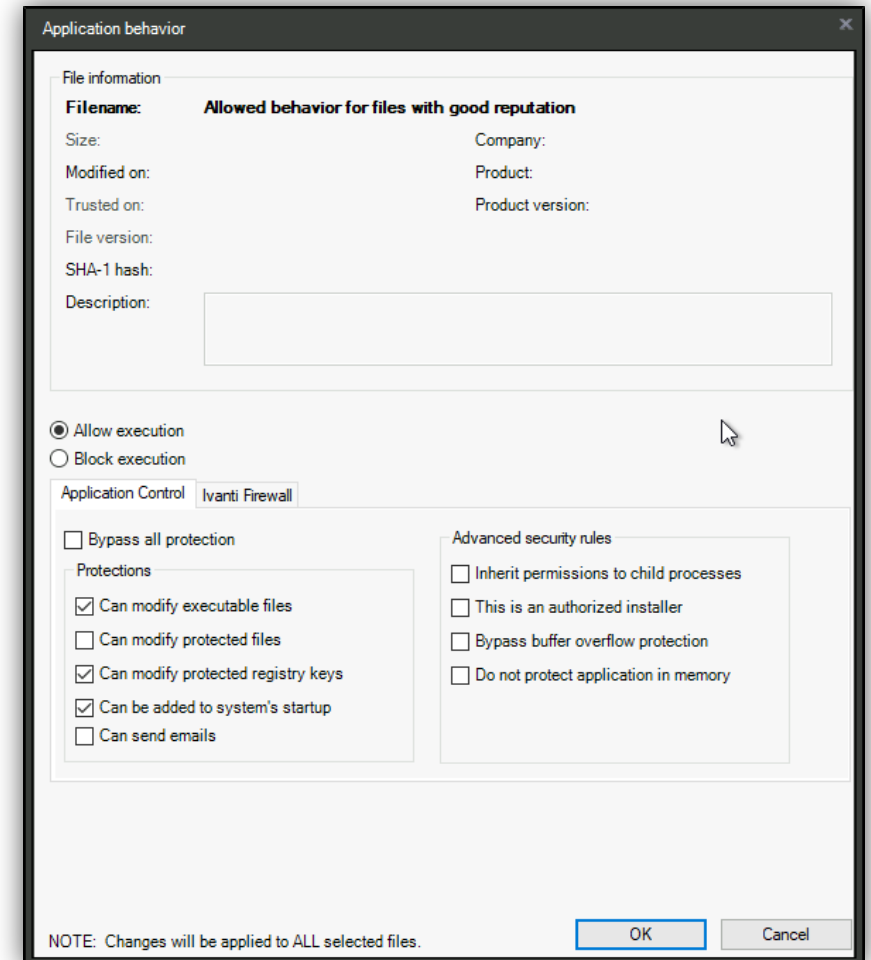
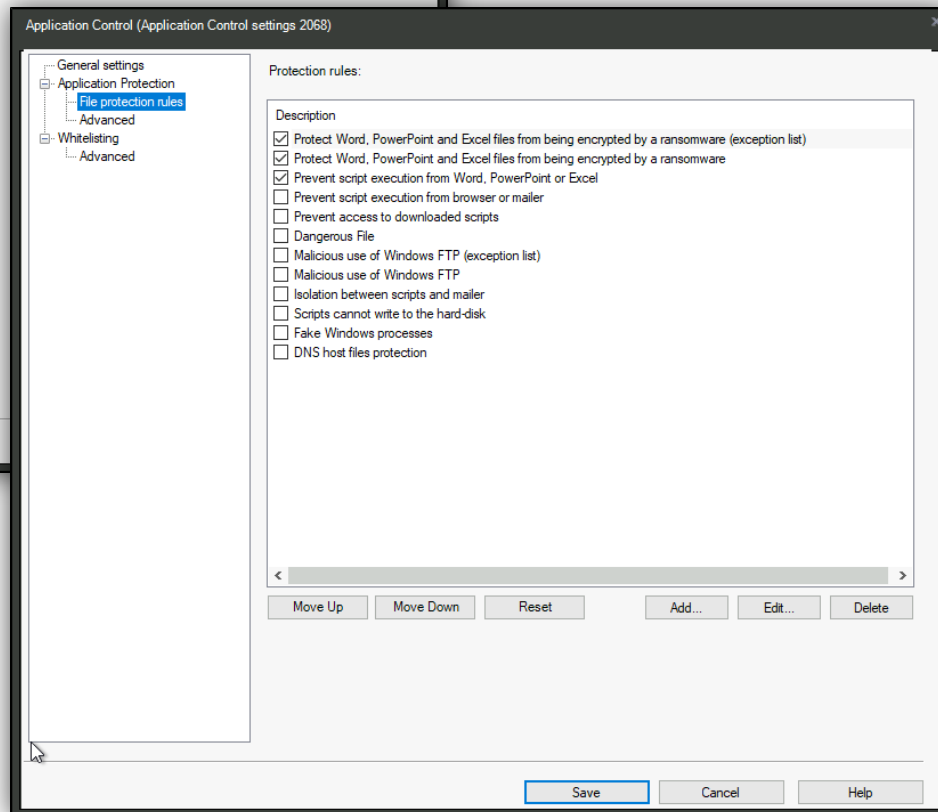
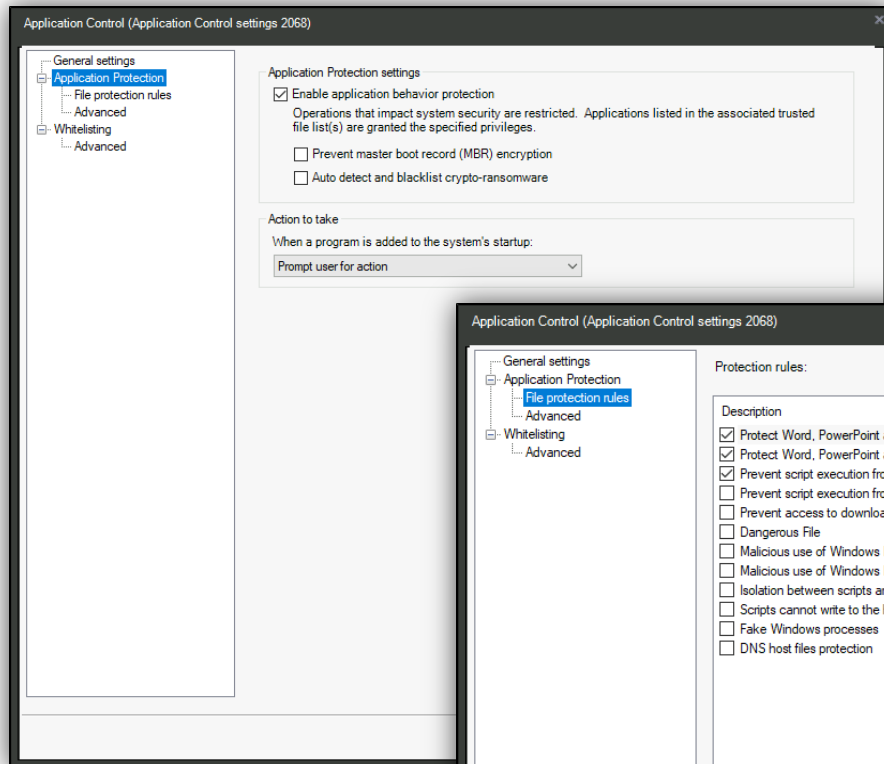
Resource Redirection

Automatically redirect users when they attempt to access a specified URL. Setup a 'Whitelist' or a set of Categories of approved sites.

Use Case: According to Microsoft, over **80%** of critical Windows 10 vulnerabilities reported in 2019 required a level of privileged access. Allow Application Control tools to reduce your risk while maintaining optimum productivity.

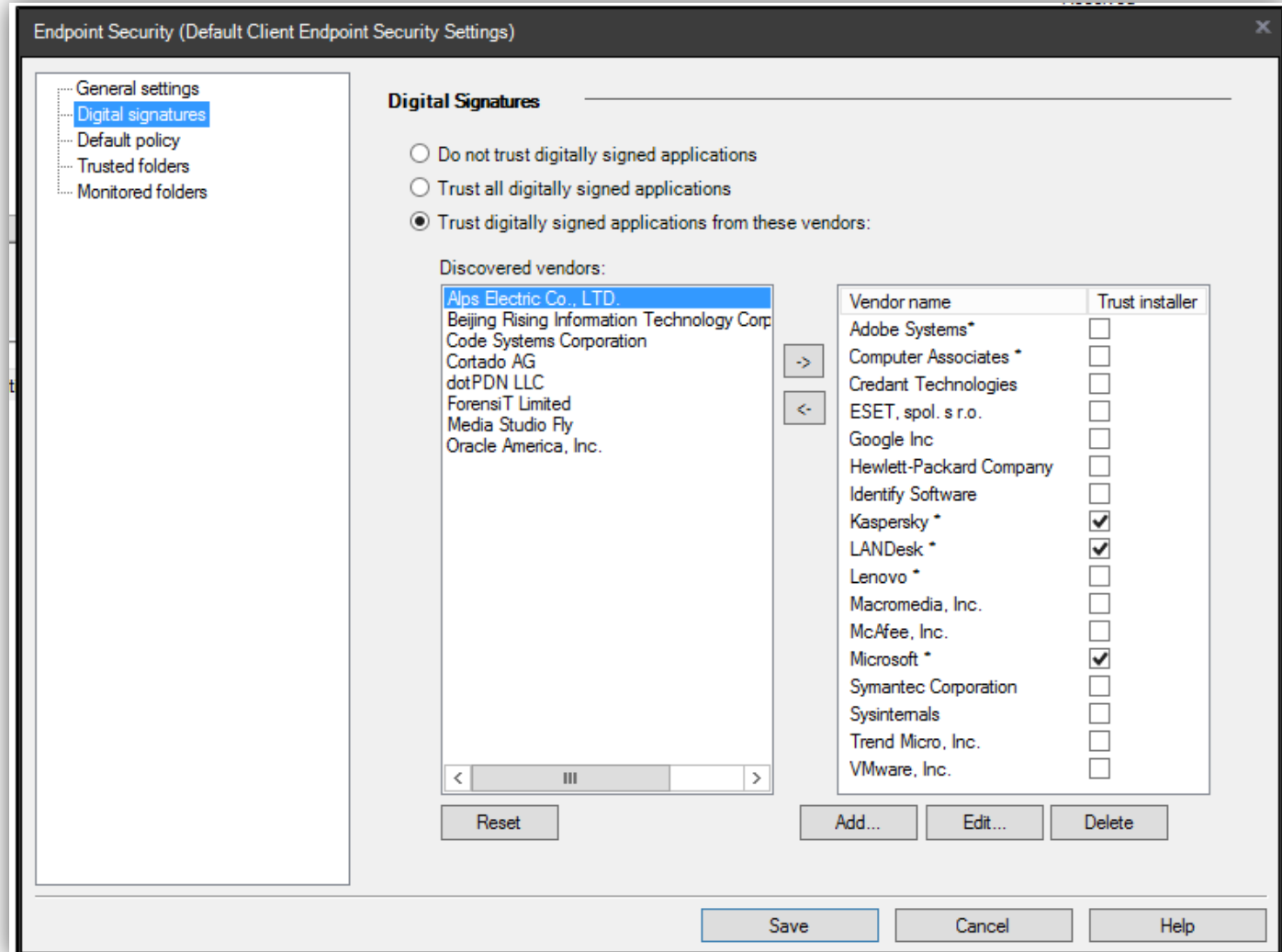
Application Distribution & Control

Create application policies to limit app's ability to read, write, and modify files in the appropriate locations.



Trusted Ownership / Digital Signatures

Set trust *only* for application that are digitally signed and specified by Administrators.



Using Intelligence to Decrease Exposure Risk

Discovery

Asset Management

Privilege Management

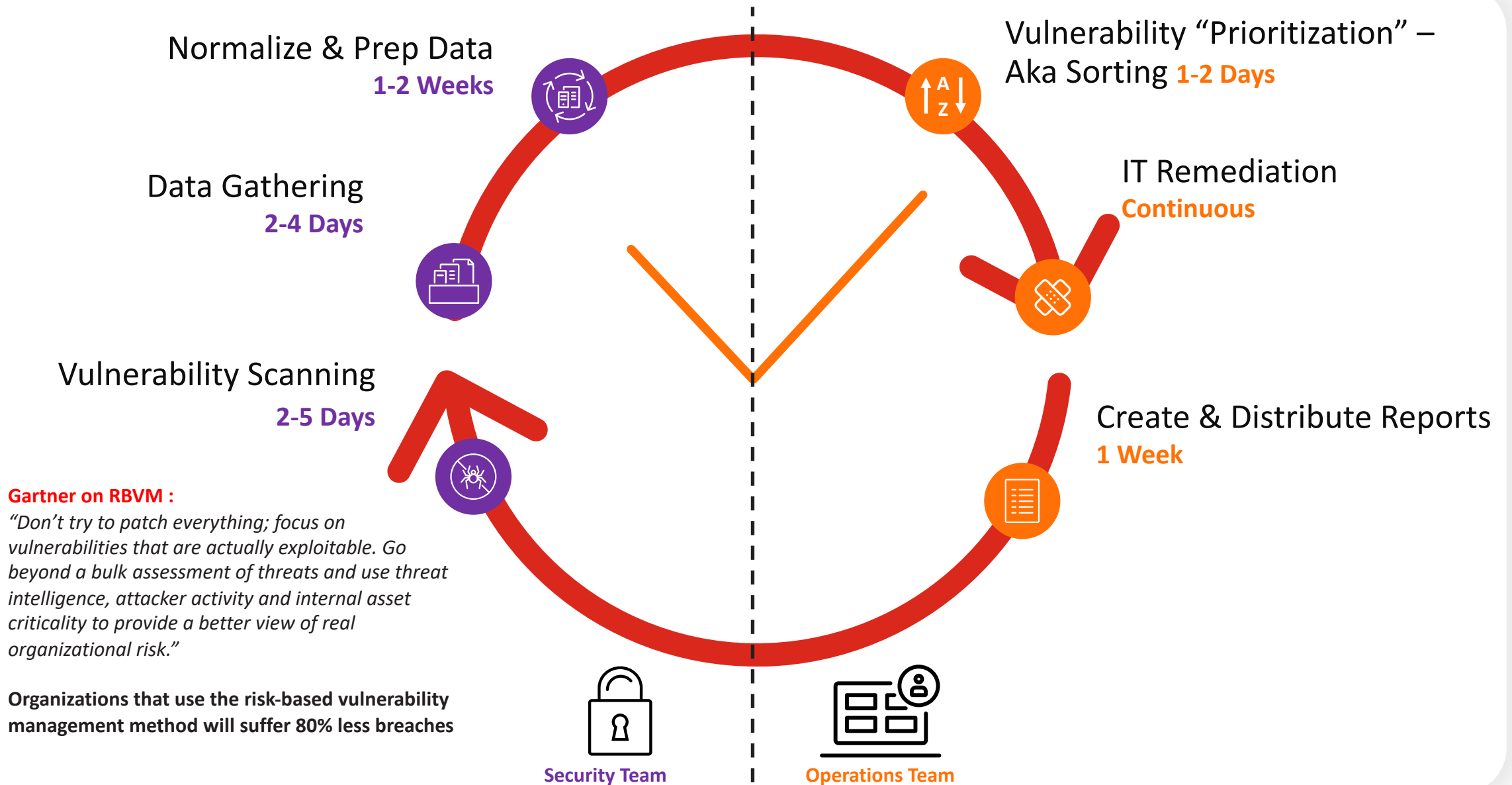
Application Management & Whitelisting

Risk Based Vulnerability Management

Vulnerability Remediation

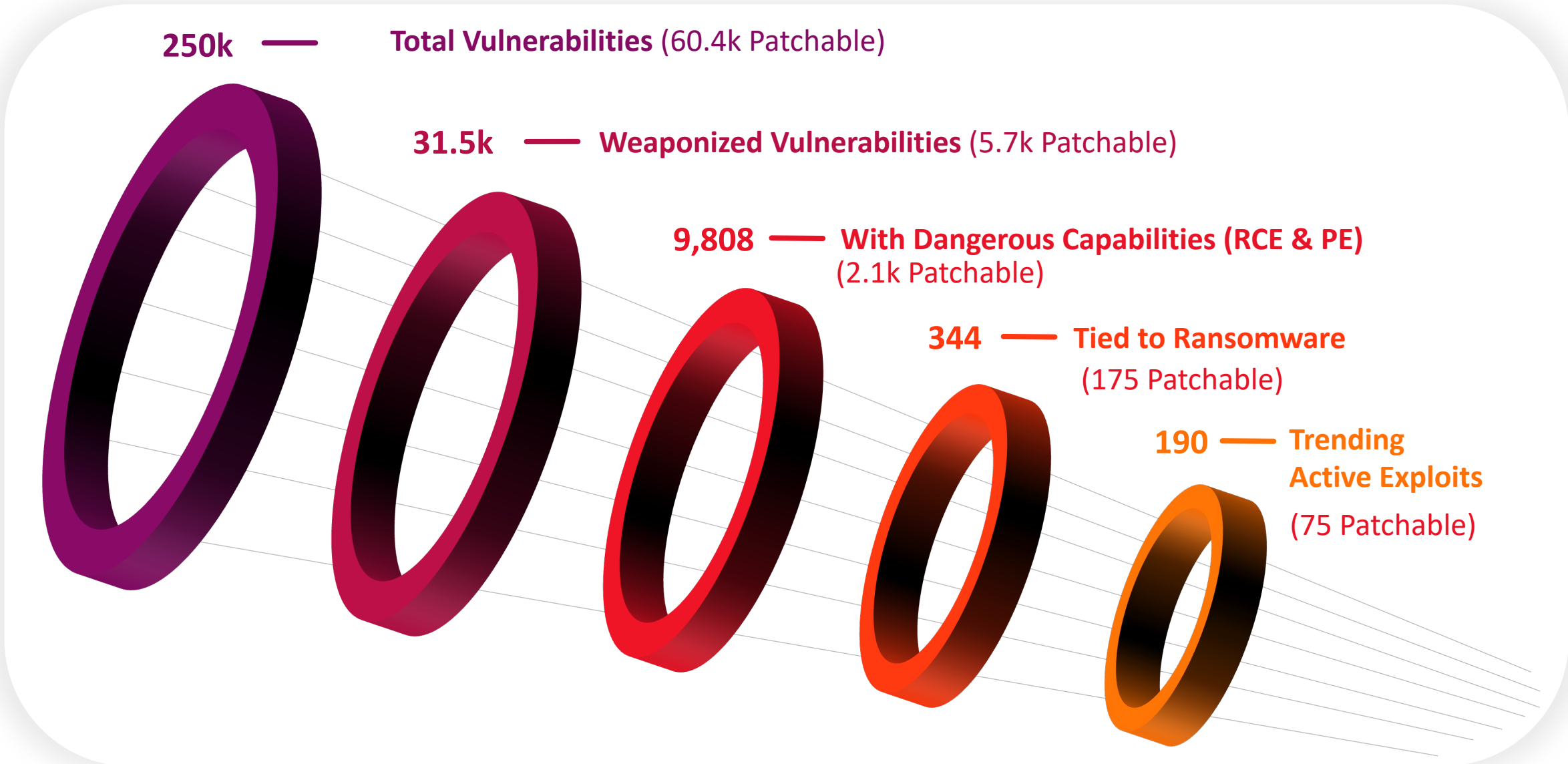


The Legacy Vulnerability Management Lifecycle



Leveraging Weaponization Funnel

Prioritize



The Vulnerability Management Lifecycle - Optimized

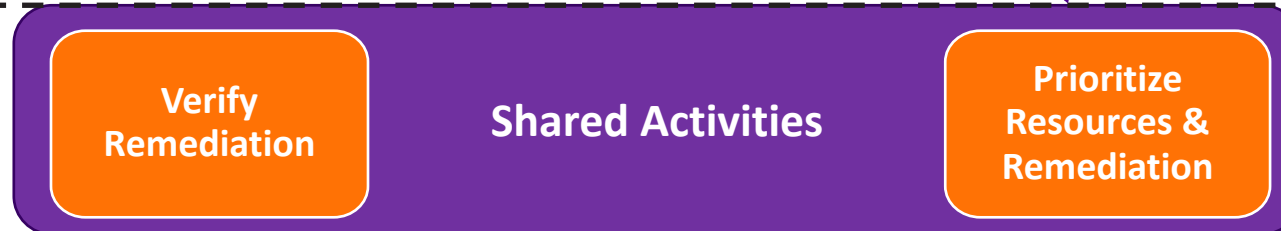


Security Team

Scan

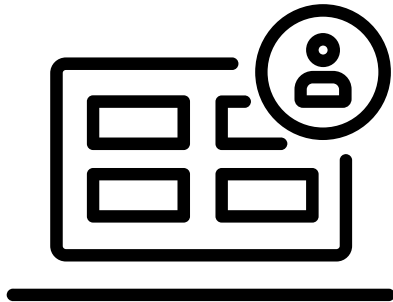
Identify Risks & Vulnerability

Security Team Tasks



Vulnerability Remediation

RBVM



Operations Team

Patch System

Patch Identification & Testing

Operations Team Tasks

Ivanti Vulnerability Remediation



Ivanti EPM & Security Controls

Simplifies security with unified and automated prevention, detection, and response techniques that target your biggest attack vectors.

Strengths



Patch your virtual servers – Discover, inventory, and patch physical servers, VMs, and templates, regardless of power state or if they are on or offline.



Patch your Windows and Linux machines – Detect and remediate OS and third-party app vulnerabilities on systems running Windows, Red Hat Linux, and CentOS.



Agentless scanning for rapid startup and zero footprint.



Manage off-network devices.



Integrate & automate with other products.

Use Case

- Mix of workstations and servers to patch, mix of online and offline workstations and servers
- Agentless technology supports assessment and deployment to workstations and servers connected to your network while minimizing the impact on both your team and system workloads
- Agent policies provide a higher degree of accuracy in environments where devices are not continuously connected to the network
- Common Industries: DoD, Department of Energy, Civilian Agencies, & Federal Service Integrators

Ivanti's Disconnected Vulnerability Remediation Process

Discover
Vulnerable
Devices in Dev



Test
Vulnerability
Remediation



Receive
Insights and
Analytics



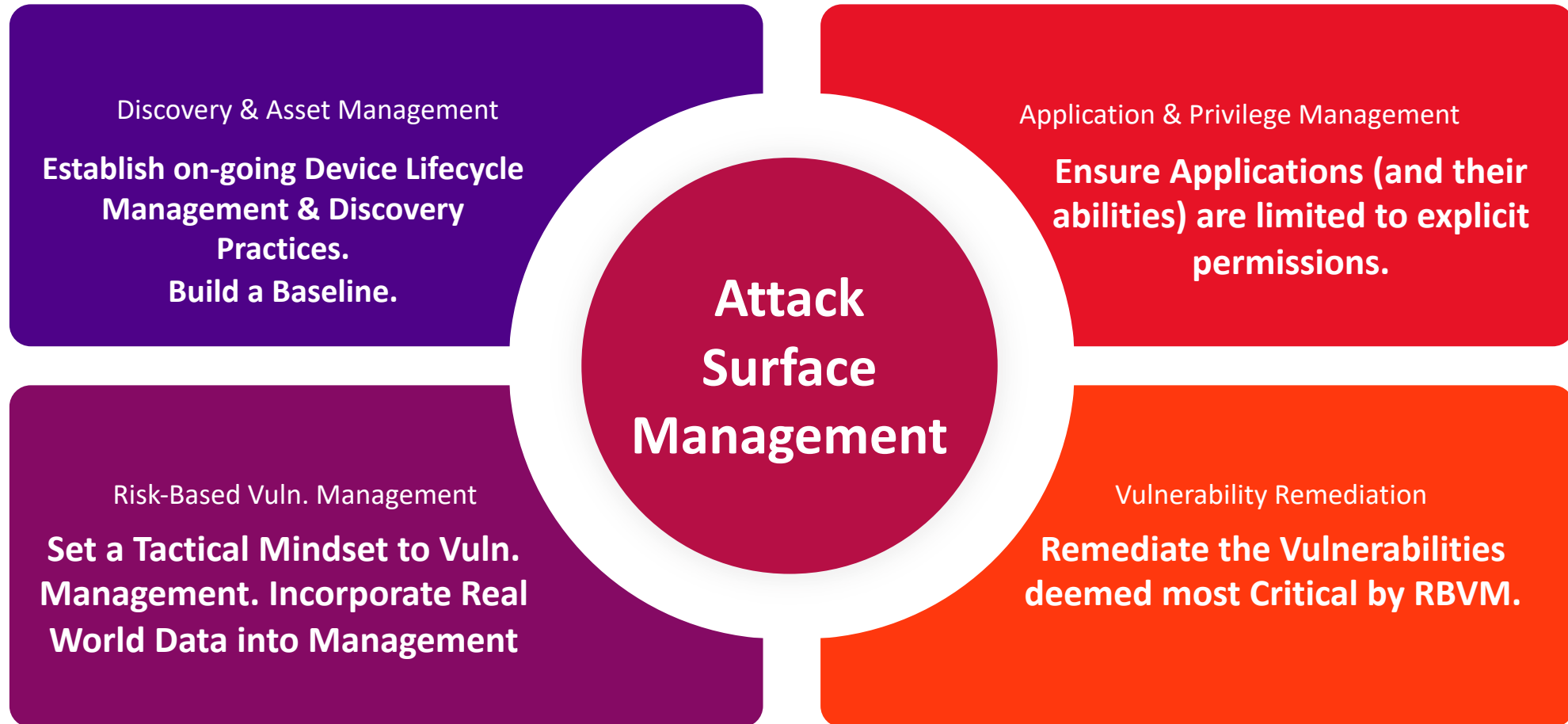
Download
Vulnerability
Definitions



Deploy Patches to
Production

Ivanti Automation

Recap: The Elements of Attack Surface Management





Questions?

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