EXPLORE

VCFB1201LV

Three Cornerstones to Enable a Cyber-Resilient Private Cloud

Belu de Arbelaiz, Sr. Product Line Marketing Manager, Broadcom

Bhanu Vemula, Director, Product Management & Marketing, Broadcom

Bob Plankers, Technical Product Management, Broadcom

#vmwareexplore #VCFB1201LV

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Disclaimer

- Certain information in this presentation may outline Broadcom's general product direction.
- This presentation shall not serve to (i) affect the rights and/or obligations of Broadcom or its licensees under any existing or future license agreement or services agreement relating to any Broadcom software product; or (ii) amend any product documentation or specifications for any Broadcom software product.
- This presentation is based on current information and resource allocations and is subject to change or withdrawal by Broadcom at any time without notice.
- The development, release and timing of any features or functionality described in this presentation remain at Broadcom's sole discretion.
- Notwithstanding anything in this presentation to the contrary, upon the general availability of any future Broadcom product release referenced in this presentation, Broadcom may make such release available to new licensees in the form of a regularly scheduled major product release.
- Such release may be made available to licensees of the product who are active subscribers to Broadcom maintenance and support, on a when and if-available basis.
- The information in this presentation is not deemed to be incorporated into any contract.

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Bob Plankers

Technical Product Management

VMware Cloud Foundation

Bhanu Vemula

Director of Product

Advanced Networking and Security

Belu de Arbelaiz

Sr. Product Line Marketing Manager

VMware Cloud Foundation

INFRASTRUCTURE HARDENING

Our Approach to Security

Secure Platform

All the capabilities you need to succeed, turned on and ready to use upon deployment, and flexible to meet any workload's needs.

Easy to Use

Simplification drives adoption. We make it easy to do the right thing so organizations will. Eases regulatory compliance efforts, too.

Consistent & Available

Consistent feature sets and configuration. No hard choices between security, functionality, and performance. Turn it on, move on.

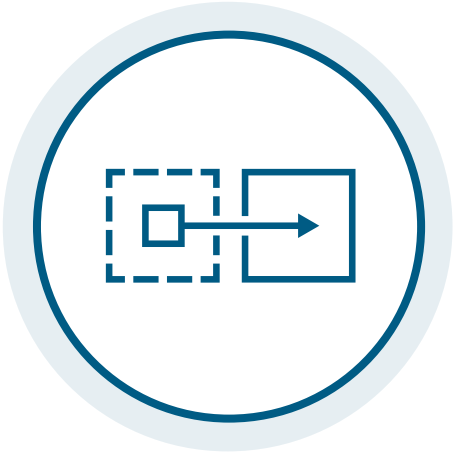
CIA Triad: **Core Tenets** of Information Security

Confidentiality

Protecting systems & data from unauthorized people & groups

Integrity

Preventing modification of data by unauthorized groups & systems

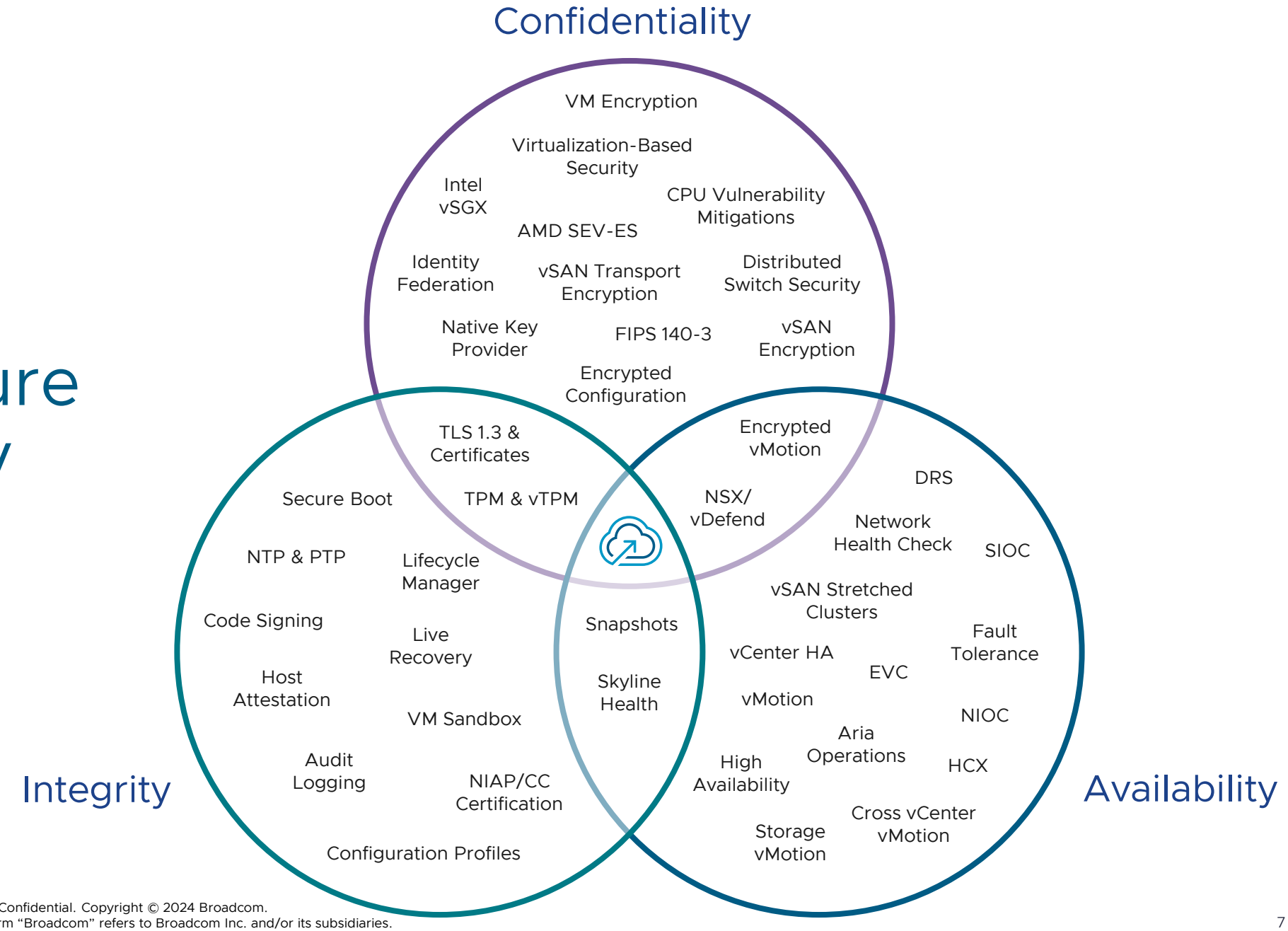


Availability

Ensuring that data is available to authorized parties when needed

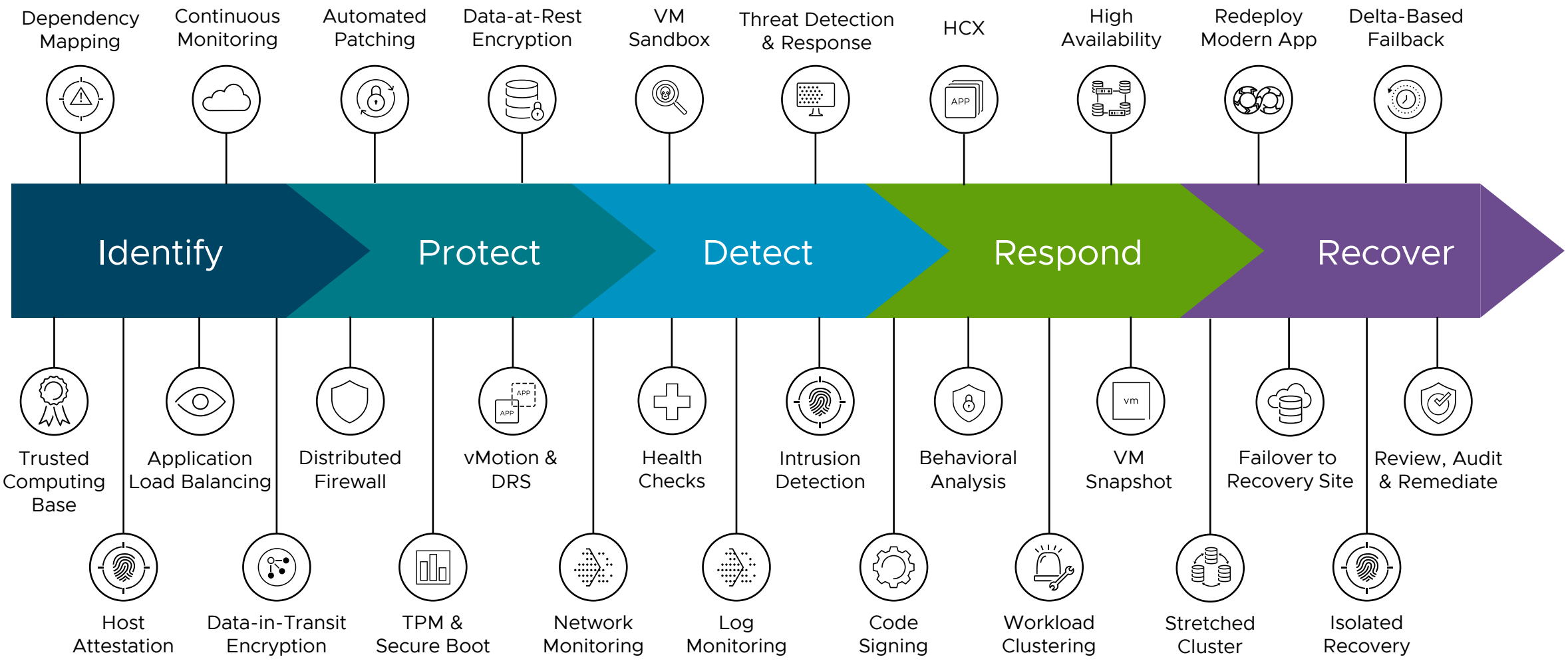
Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Every Feature is a Security Feature



Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Resilience Woven **Throughout** VMware Cloud Foundation



EXPLORE

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

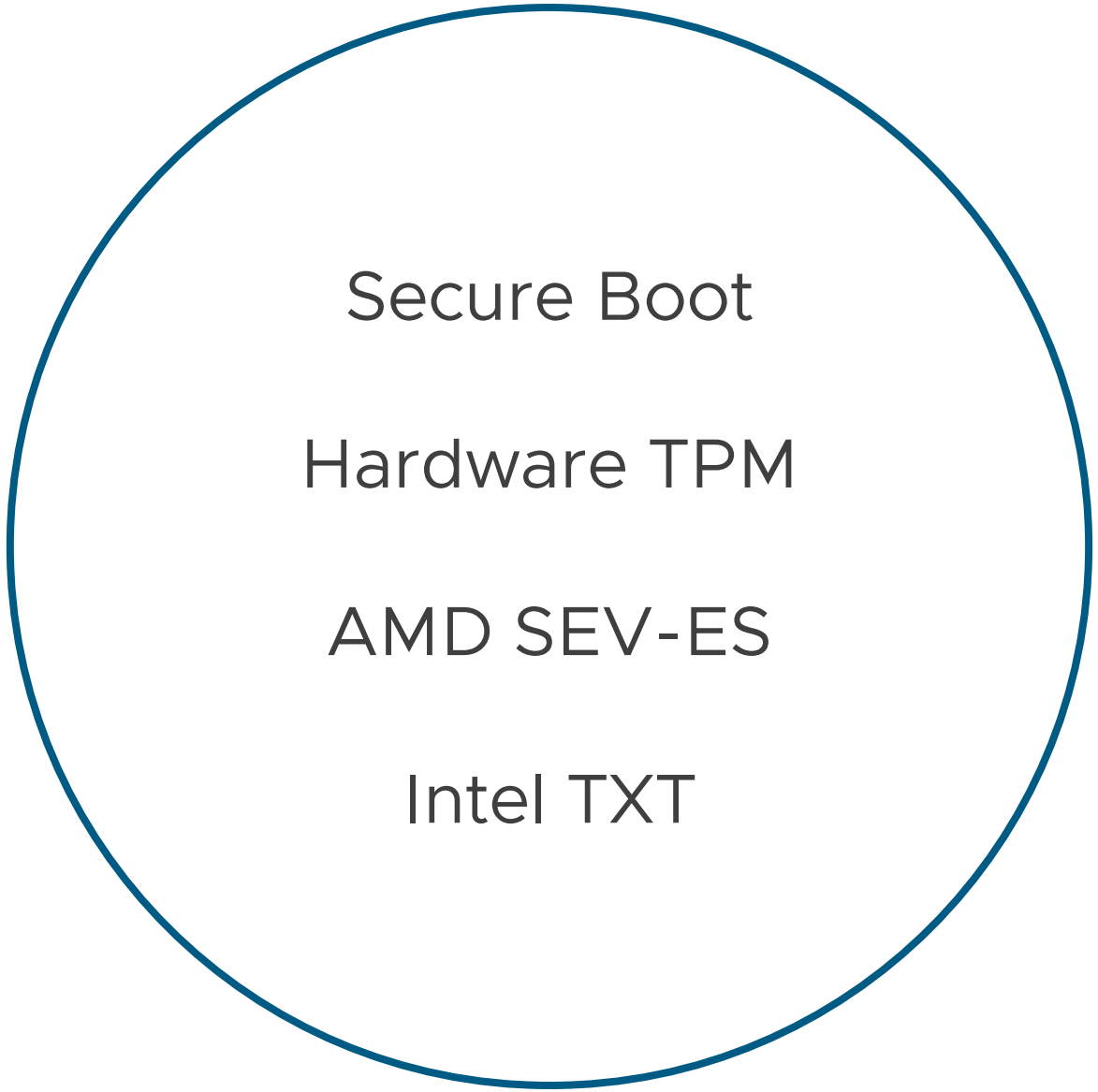
You are secure and in-compliance

FASTER

and

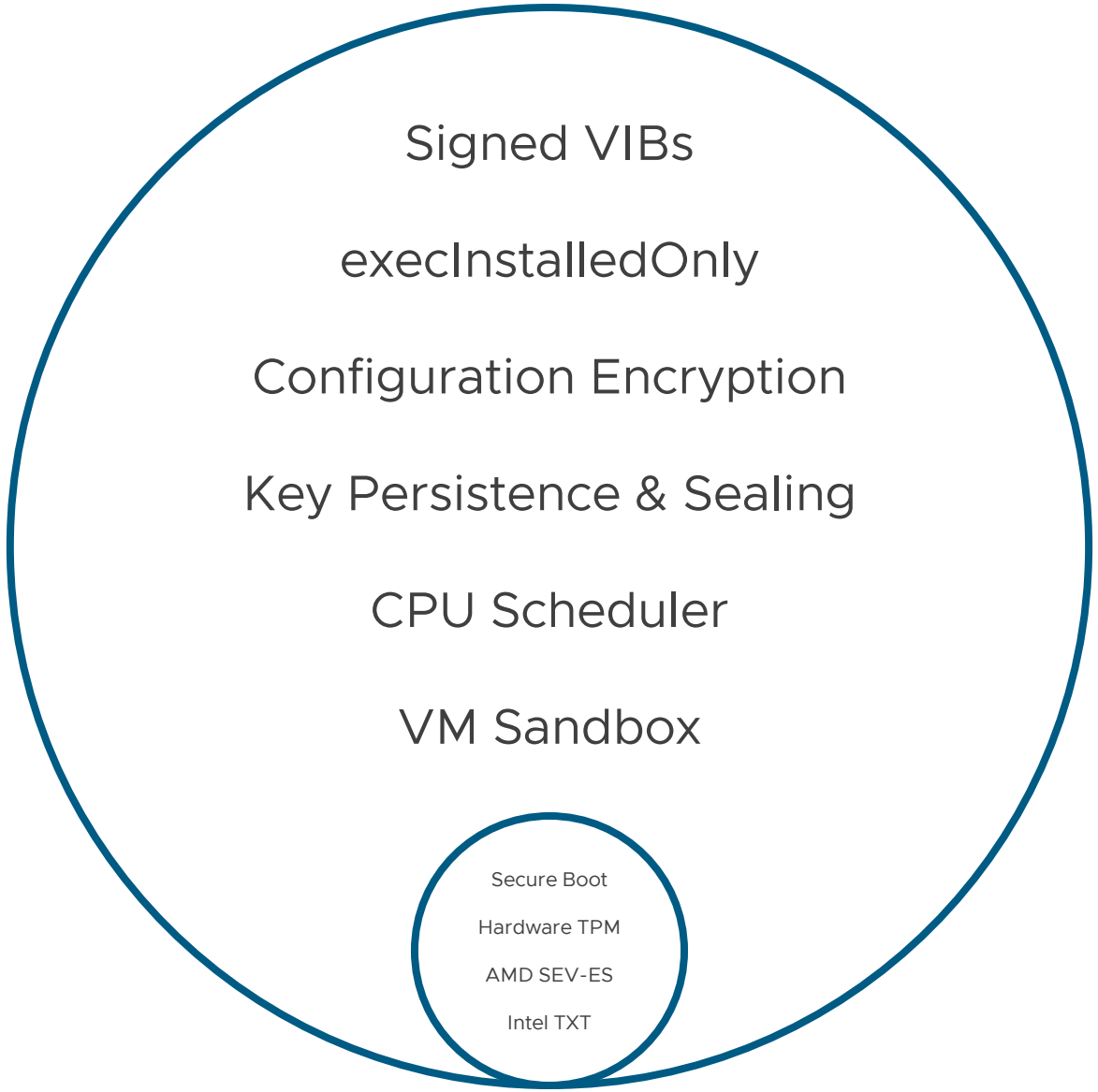
SPEND LESS TIME

on the process



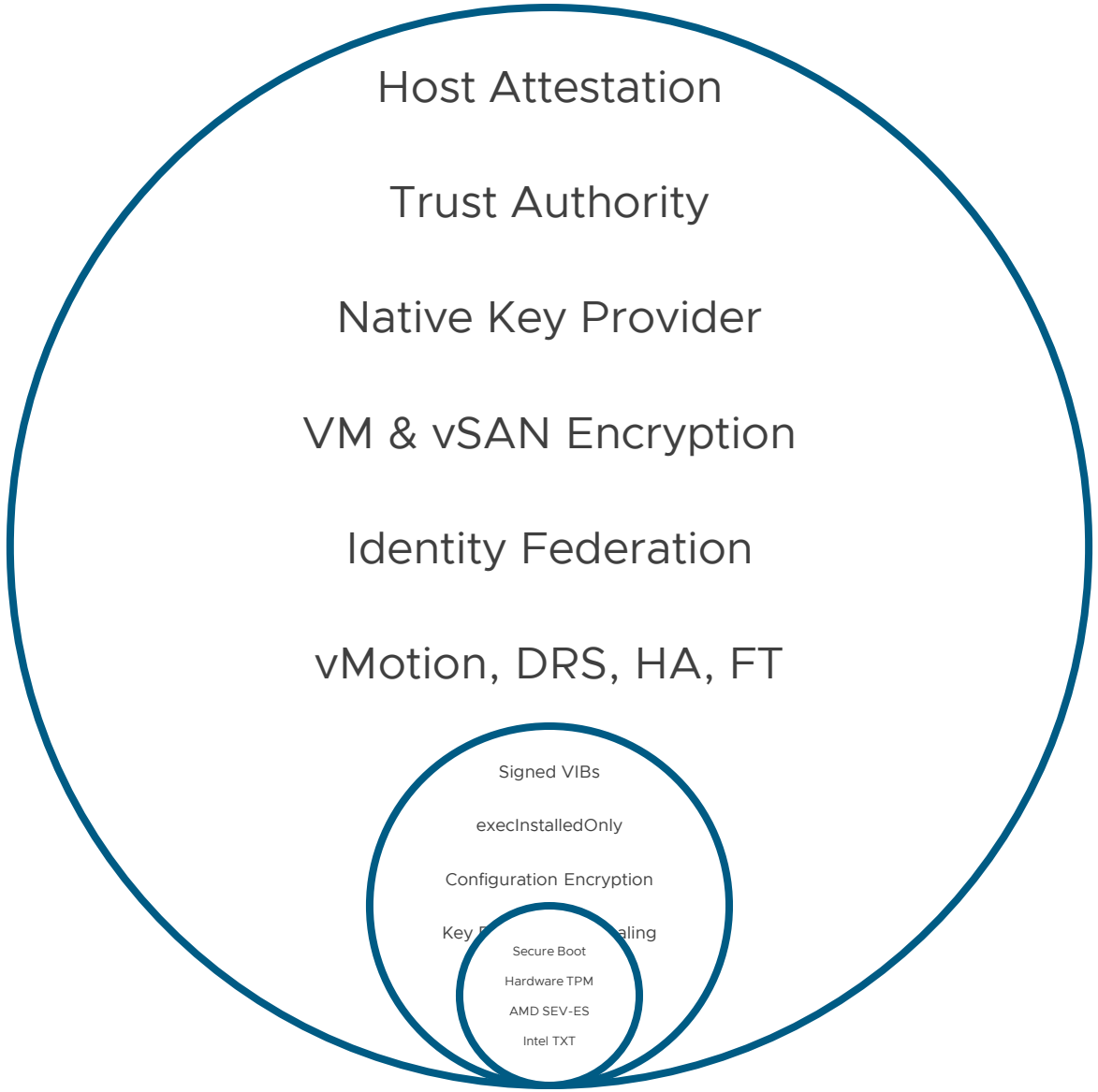
Hardware

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.



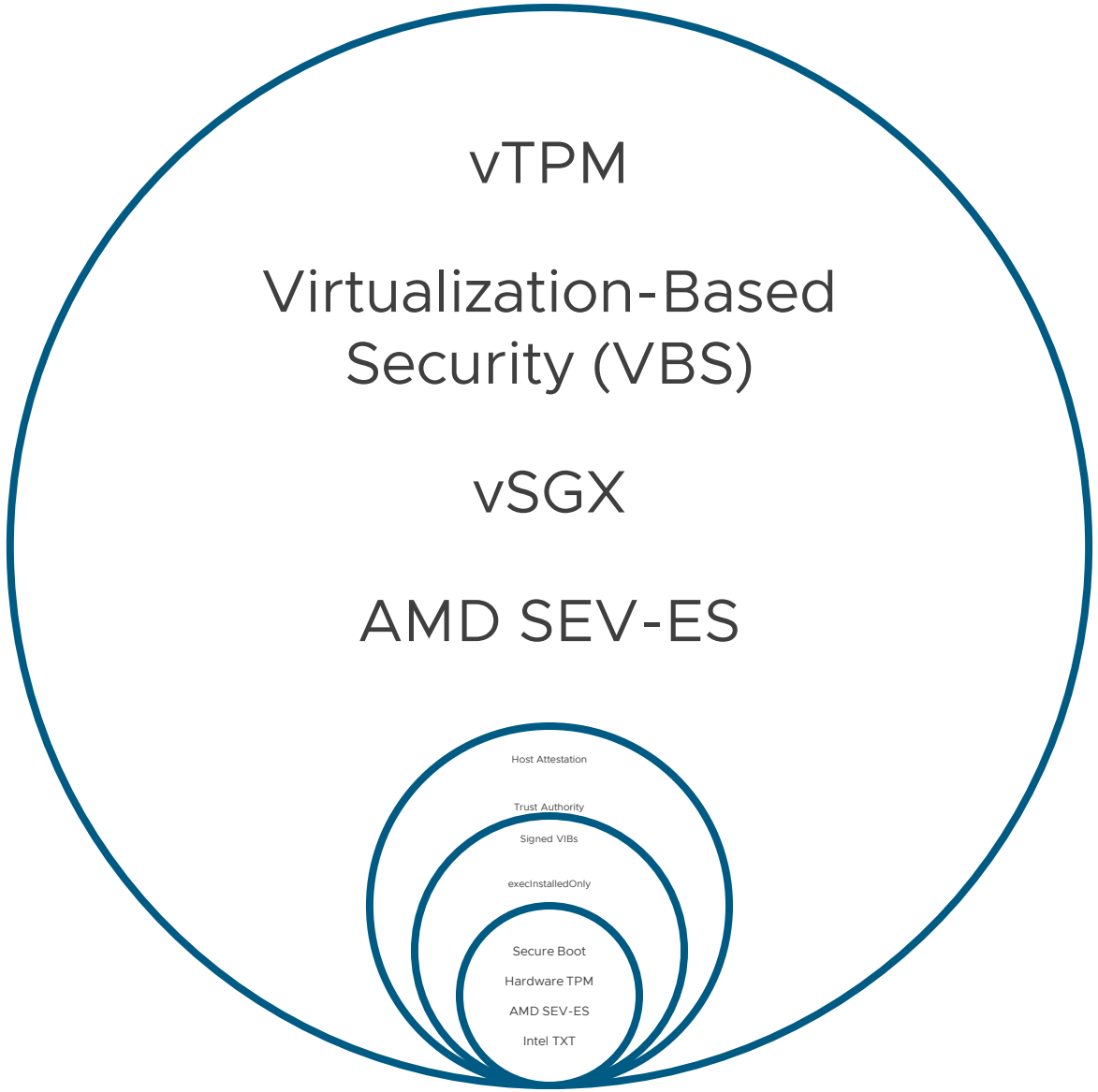
ESXi

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.



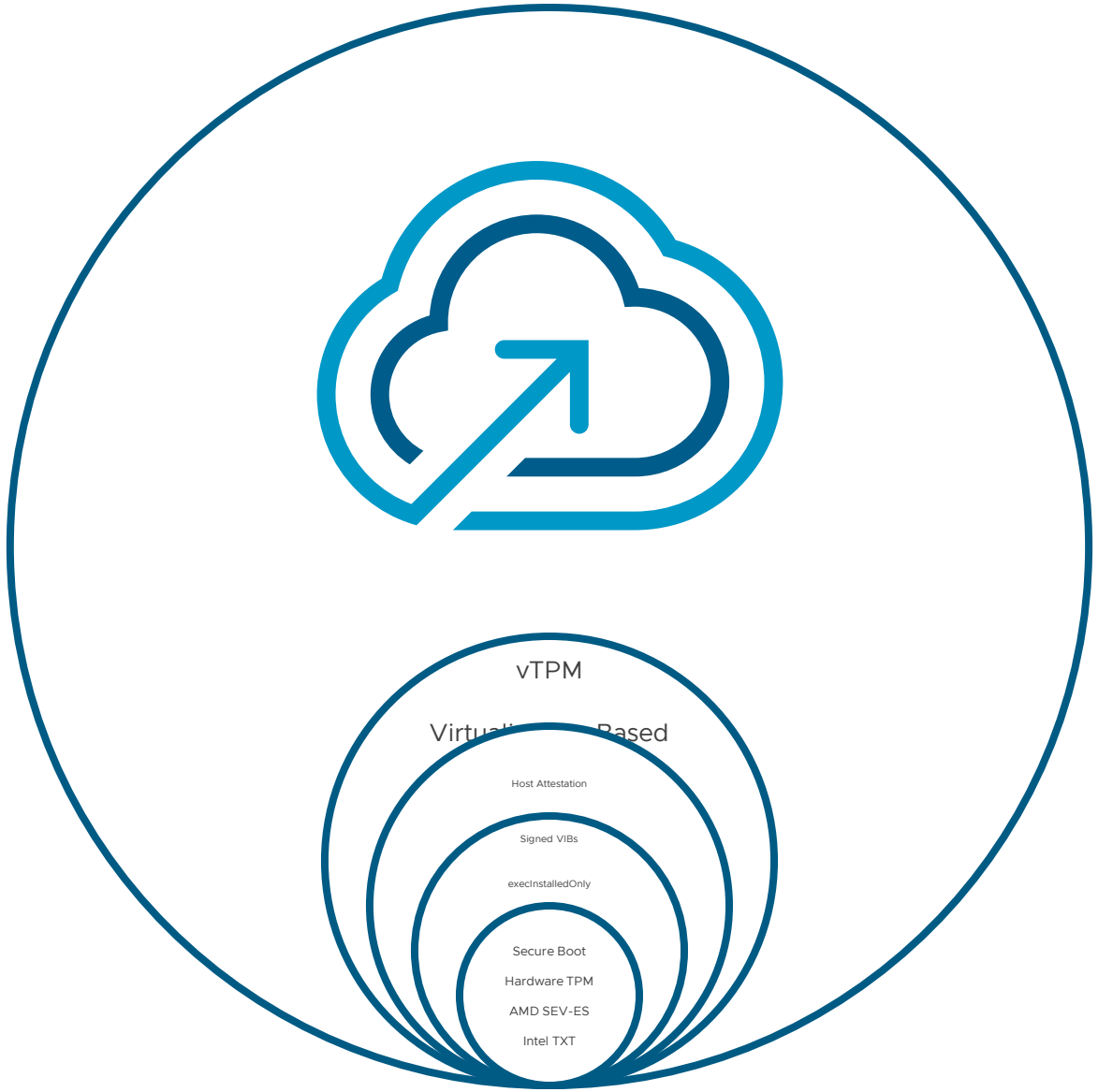
vCenter

EXPLORE
Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.



Workloads

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.



Cloud Foundation

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

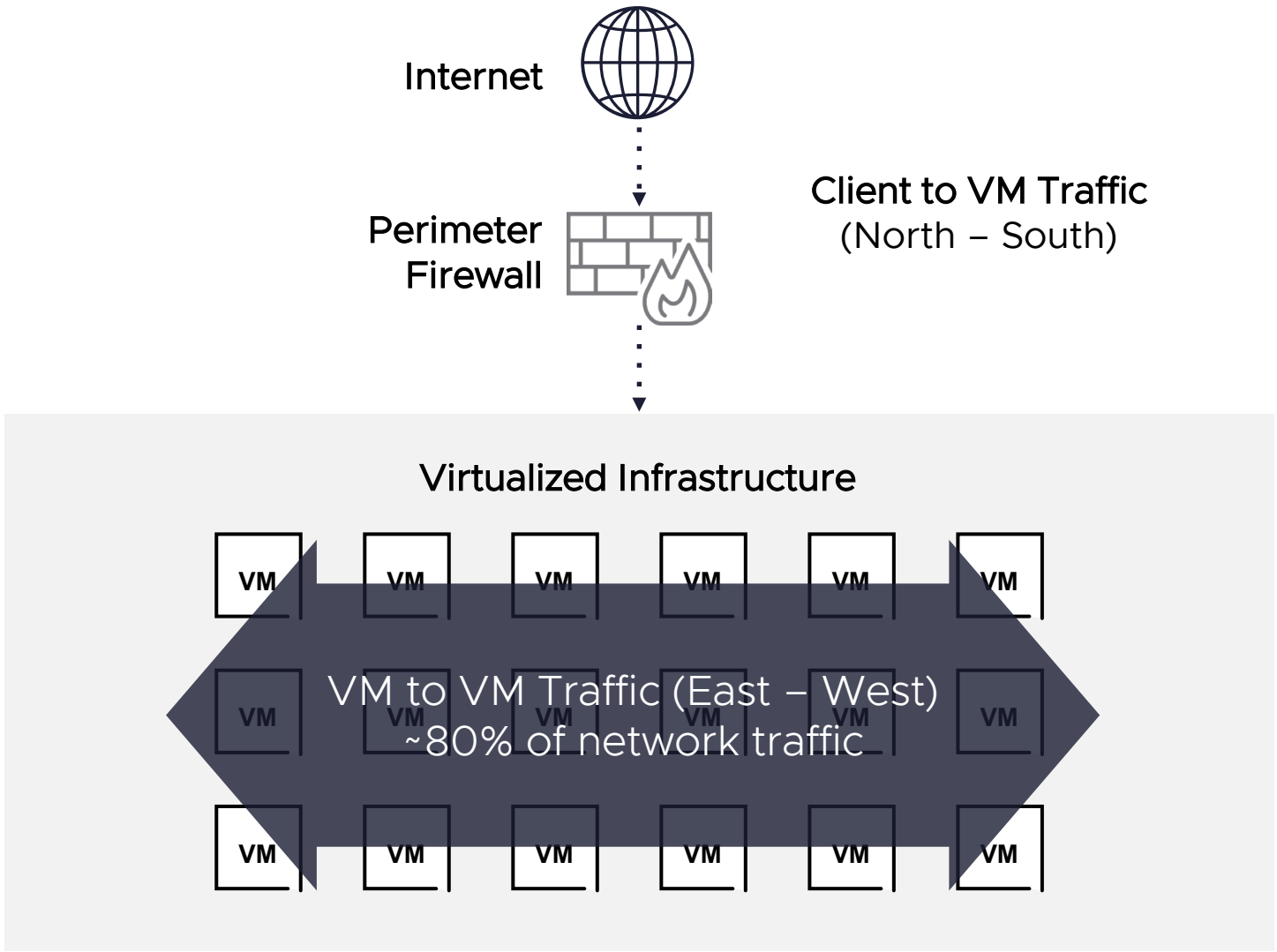
Platform Security & Hardening Resources

https://bit.ly/vcf-security

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

LATERAL SECURITY

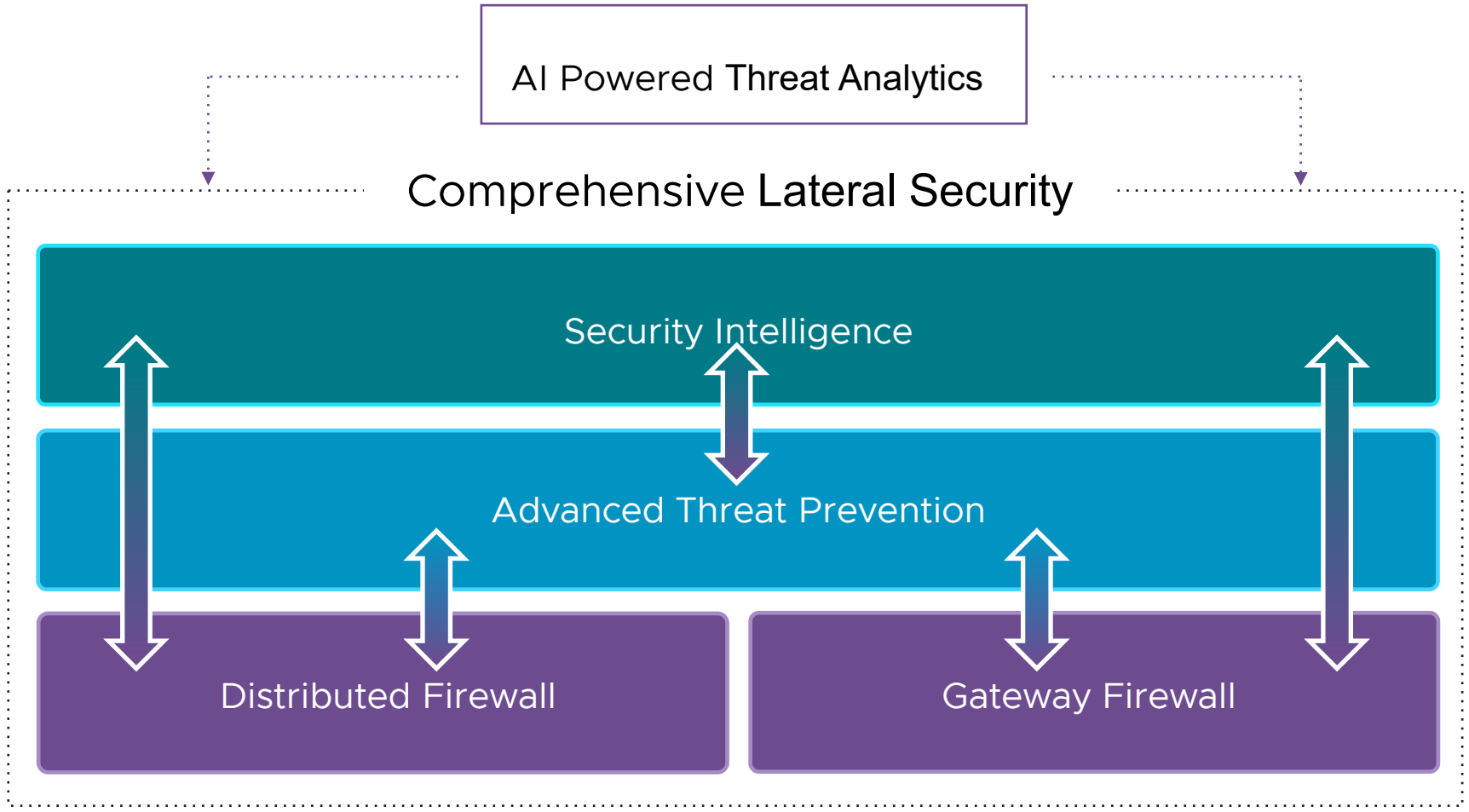
Protecting Perimeter Is NOT Enough



- Perimeter Firewall protects North-South traffic
- VMware Lateral Security protects East-West traffic

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

vDefend - Fully Integrated Security Stack



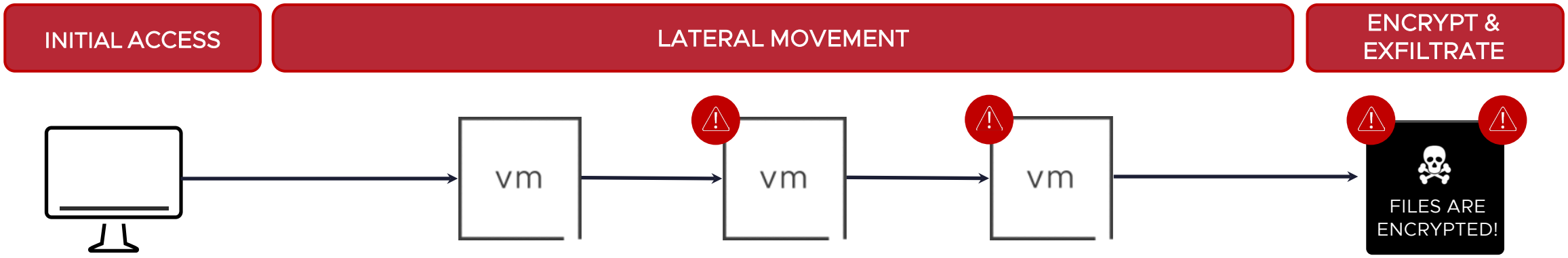
App Discovery
Security Analytics
Rule Recommendations

Ransomware Prevention
Malware Prevention
Vulnerabilities

Micro Segmentation
Segment Zones

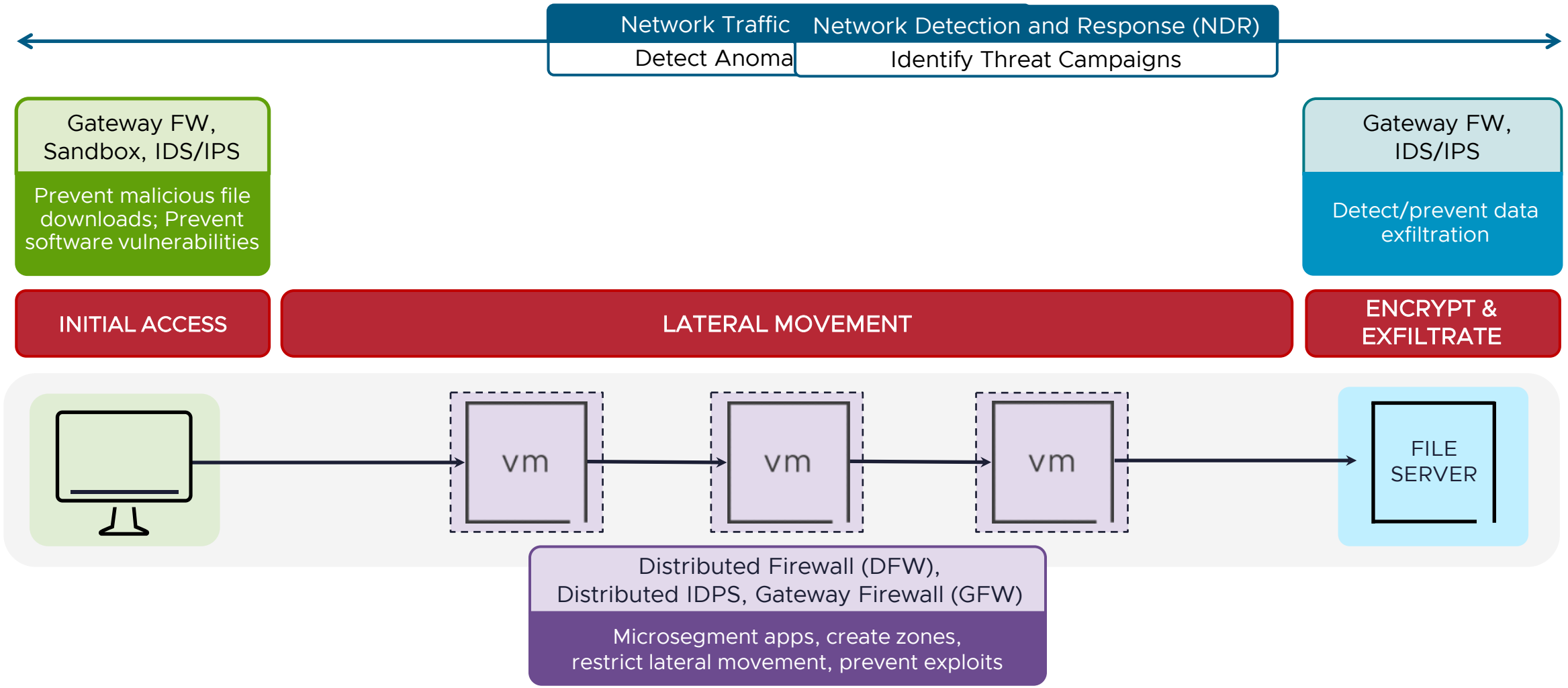
Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Anatomy of a Ransomware Attack



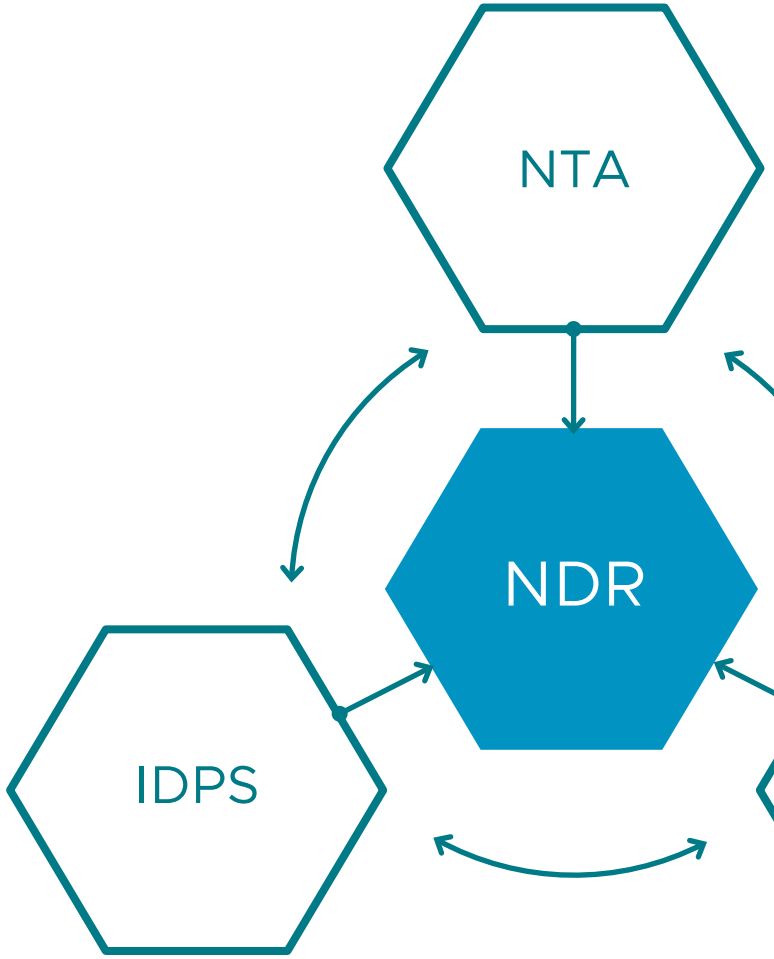
Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

vDefend: Multi-layer Defense to Combat Ransomware Attacks



Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Most Comprehensive Threat Detection Technologies



AI-based detection of malicious network behaviors

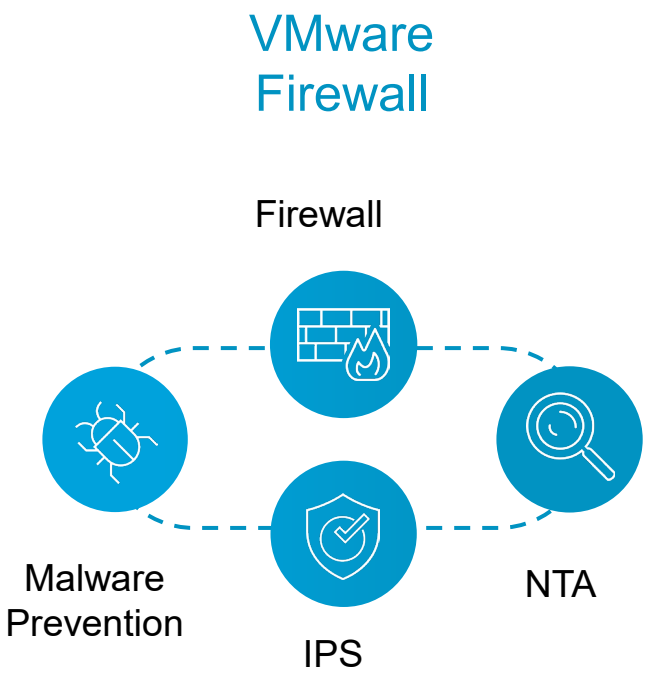
Tailored signatures to accurately identify threats

Deep program visibility to detect zero-day malware

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Threat/Attack Visibility

MITRE ATT&CK: Adversaries Tactics and Techniques

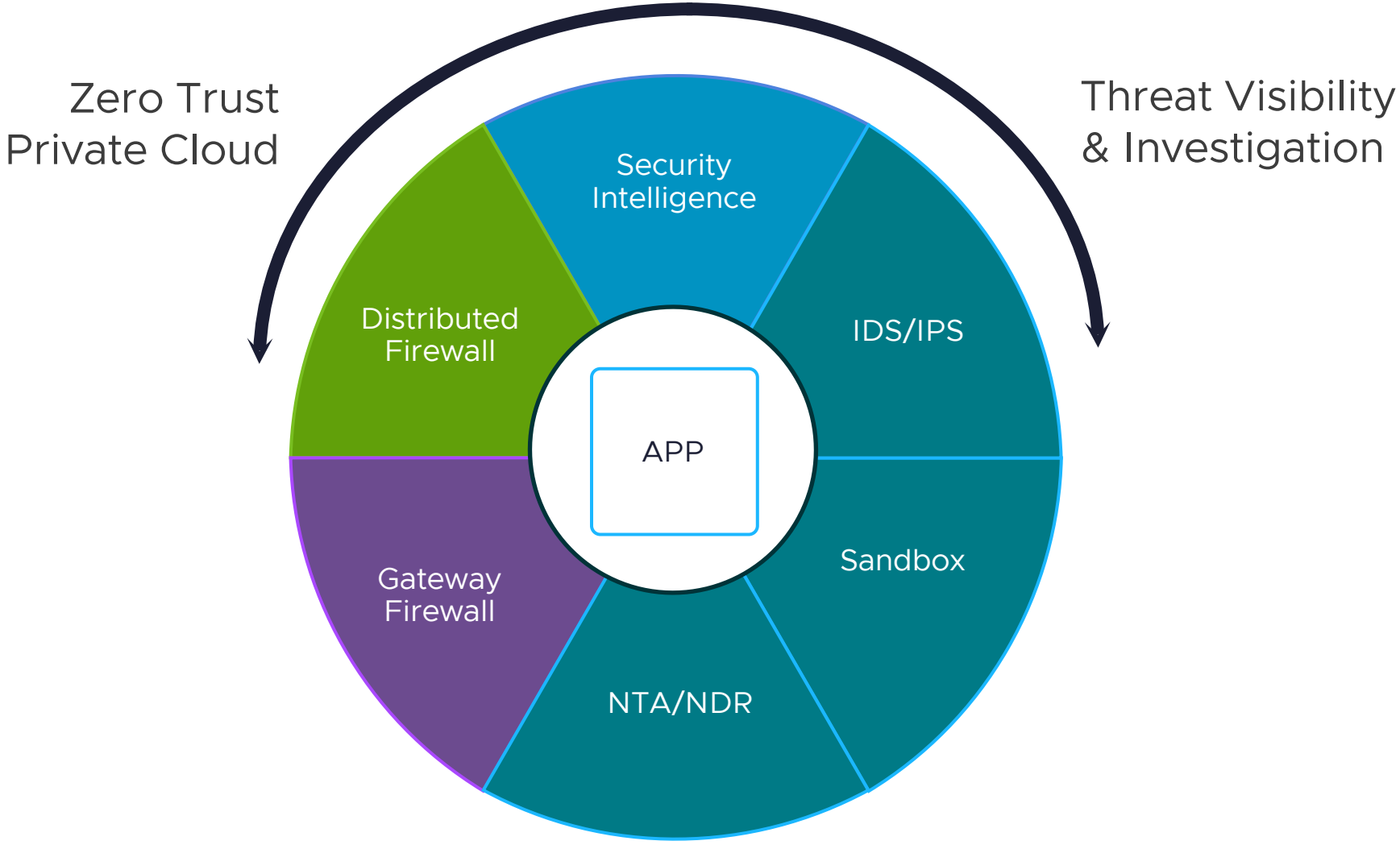


ATT&CK TACTICS

- Initial Access
- Execution
- Persistence
- Privilege Escalation
- Defense Evasion
- Credential Access
- Discovery
- Lateral Movement
- Collection
- Command and Control
- Exfiltration
- Impact

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Customer's vDefend Journey



Hypervisor integrated for VMs (agentless)

Single operations console for all vDefend features

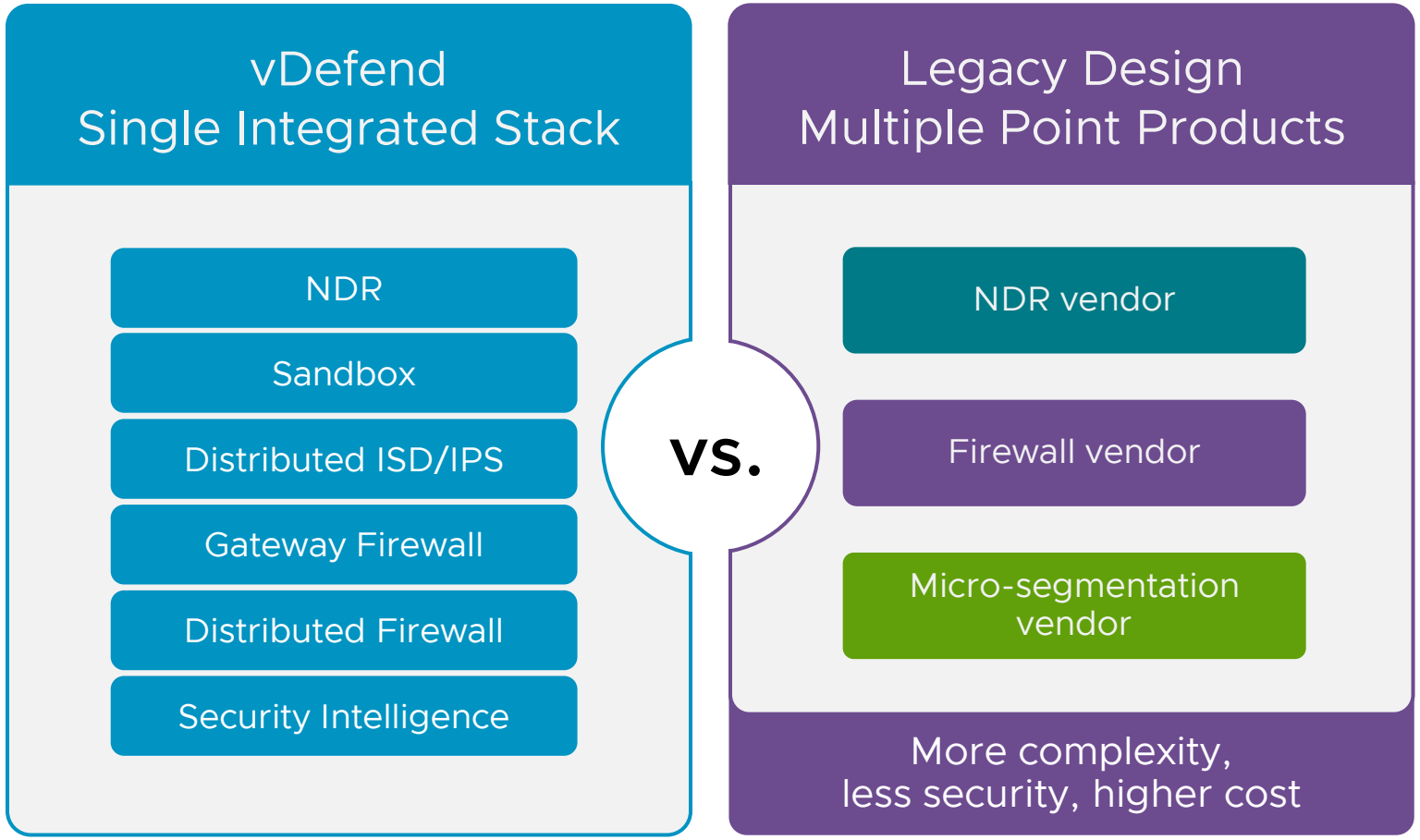
Scale-out with applications

No traffic hair-pinning

Plug and play for VCF

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term "Broadcom" refers to Broadcom Inc. and/or its subsidiaries.

VMware vDefend Integrated Versus Point Solutions



Partial visibility

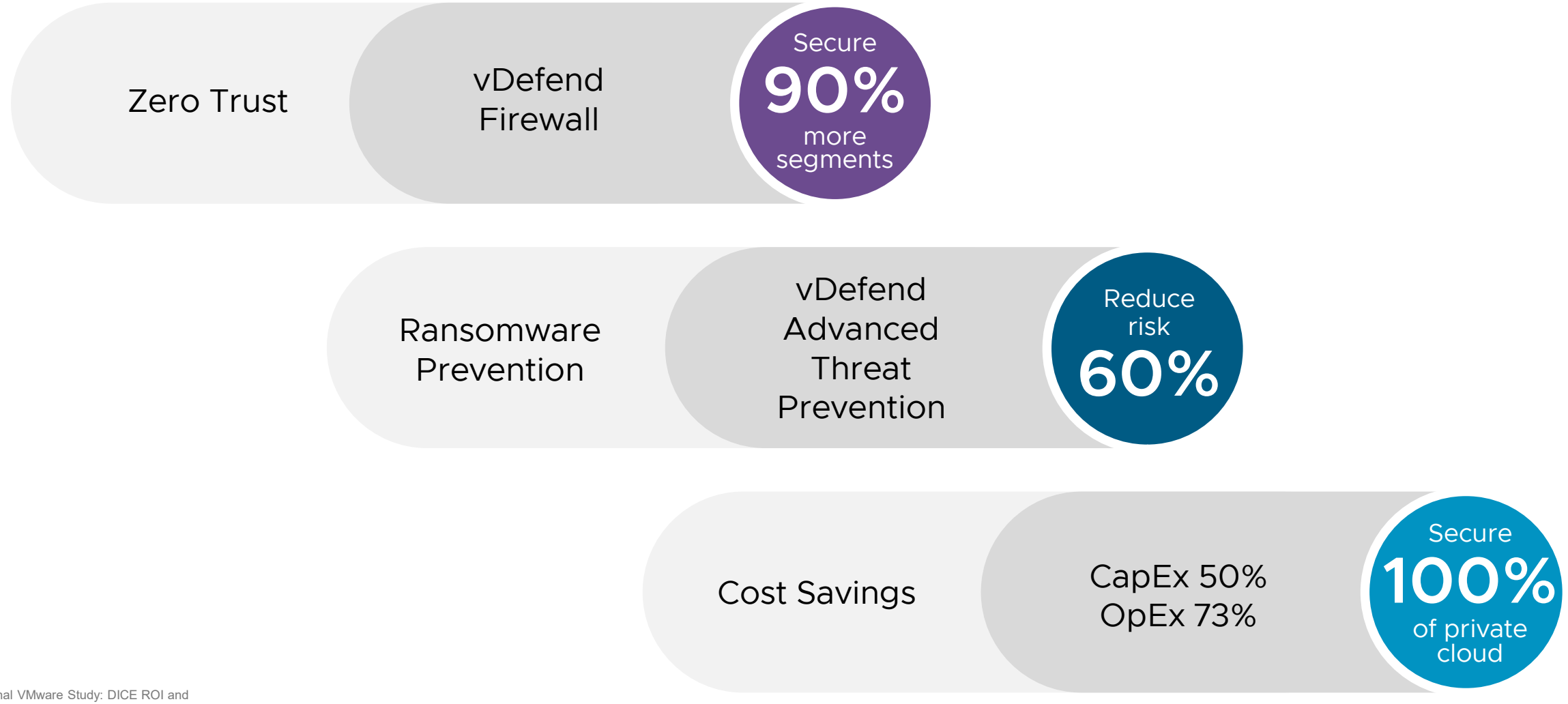
Partial protection

Multiple consoles

Multiple support calls

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Protect Your Private Cloud



Internal VMware Study: DICE ROI and Value Modeling, 3rd party customer interviews

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

CYBER RECOVERY

VMware Live Recovery

Cyber recovery and DR across on-premises and cloud

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

What Challenges Are We Solving For?

What customers said before adopting VMware Live Recovery

Manual patching of siloed solutions for cyber and disaster recovery

Insufficient and disruptive testing compromises the ability to recover

No guidance to select recovery snapshots delays restore operations

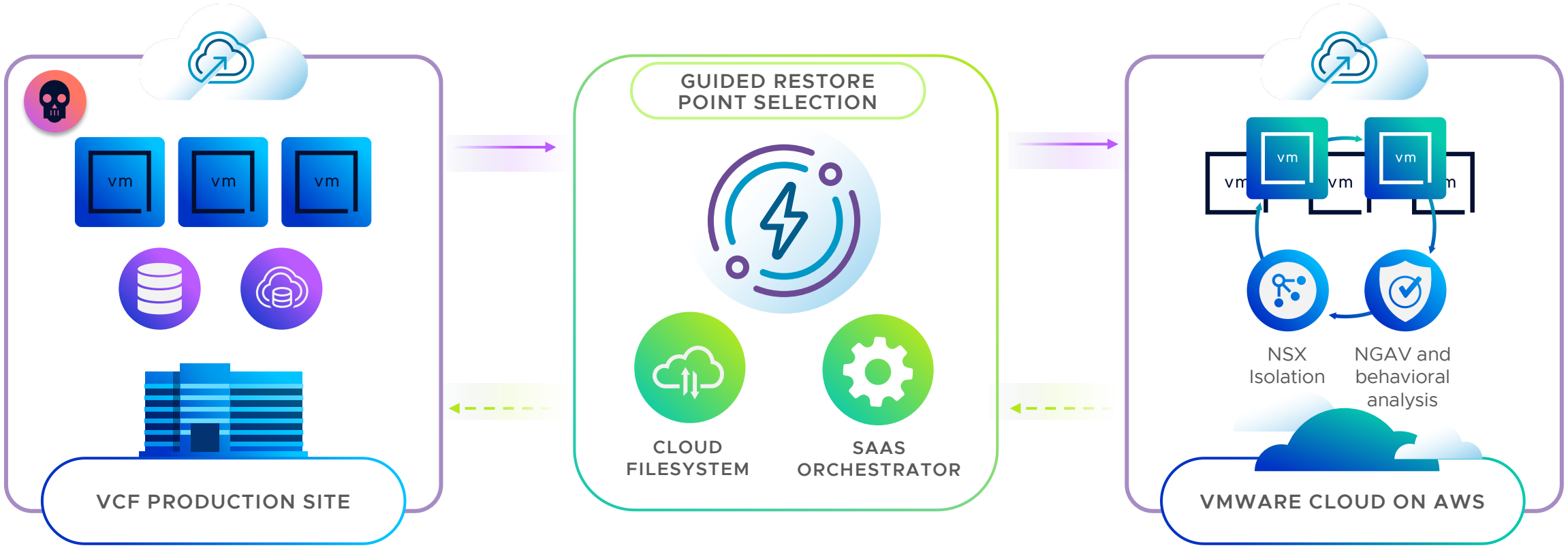
No integration of behavioral analysis, networking isolation and IRE provisioning

Extensive manual intervention required adds friction and extends downtime

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Cyber and Disaster Recovery to the Cloud

Confident, quick recovery with guided automation and simplified operations



Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

Why VMware Live Recovery?

Confident recovery from ransomware and other disasters across clouds

Streamlined cyber recovery with an end-to-end workflow

Integrated recovery point validation and IRE provisioning

Freedom of choice across a wide range of topologies

Cyber recovery and DR in one subscription with flexible licensing

Flexible capacity scaling across use cases and clouds

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

INNOVATIONS AHEAD

Intelligent Threat Detection

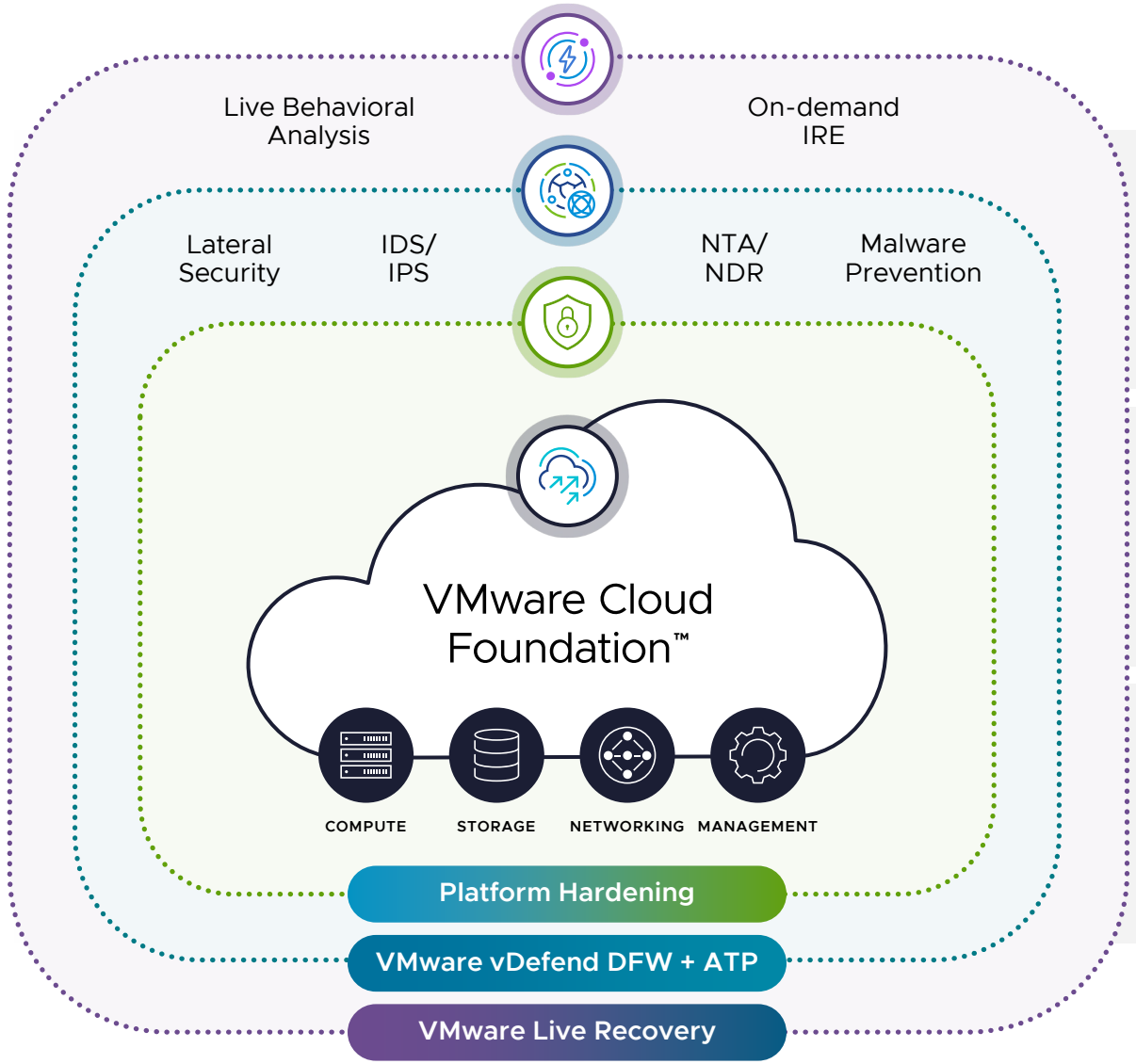
AI/ML-powered proactive encryption prevention and response

TECHNOLOGY PREVIEW

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

End-to-End Cyber Resiliency for the Modern Private Cloud

Secure Recovery



- Confident recovery from existential threats
- Quick recovery with guided automation
- Simplified recovery operations

East-West Security

- Strong distributed lateral security
- Signature and behavior-based detection
- Data exfiltration avoidance
- Zero-day threat detection

Hardened Infrastructure

- Identity federation
- Automated patch management
- Data at-rest and in-transit encryption
- Compliance monitoring

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

EXPLORE

Please take your survey.

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.

EXPLORE

Thank you

Broadcom Proprietary and Confidential. Copyright © 2024 Broadcom.
All Rights Reserved. The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries.