Transform Your IT Landscape with VMware Cloud Foundation

Transform Operations with Aria Suite Enterprise

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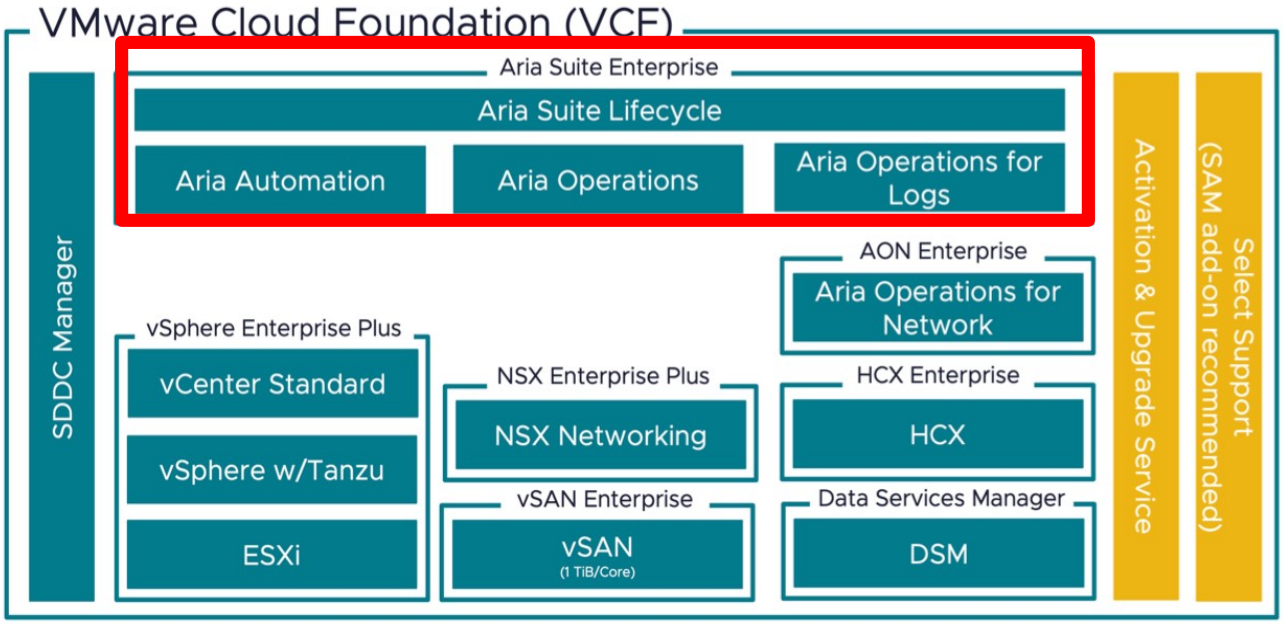
Transform Your IT Landscape with VMware Cloud Foundation Series

Today's Session: Integrated Infrastructure Management with SDDC Manager

- SDDC Manager (7/31/2024)
- NSX Network Virtualization (8/7/2024)
- HCX Enterprise (8/14/2024**)**
- **Aria Suite Enterprise (8/21/2024)**
- Tanzu Platform (8/28/2024)



Agenda

- VMware Cloud Foundation (VCF) Overview
- Aria Suite Overview
  - Aria Operations
  - Aria Operations for Logs
  - Aria Automation
- Aria Suite 8.18 Updates (Aligns with VCF 5.2)
- Demo

Modernize Private Cloud

Introducing VMware Cloud Foundation

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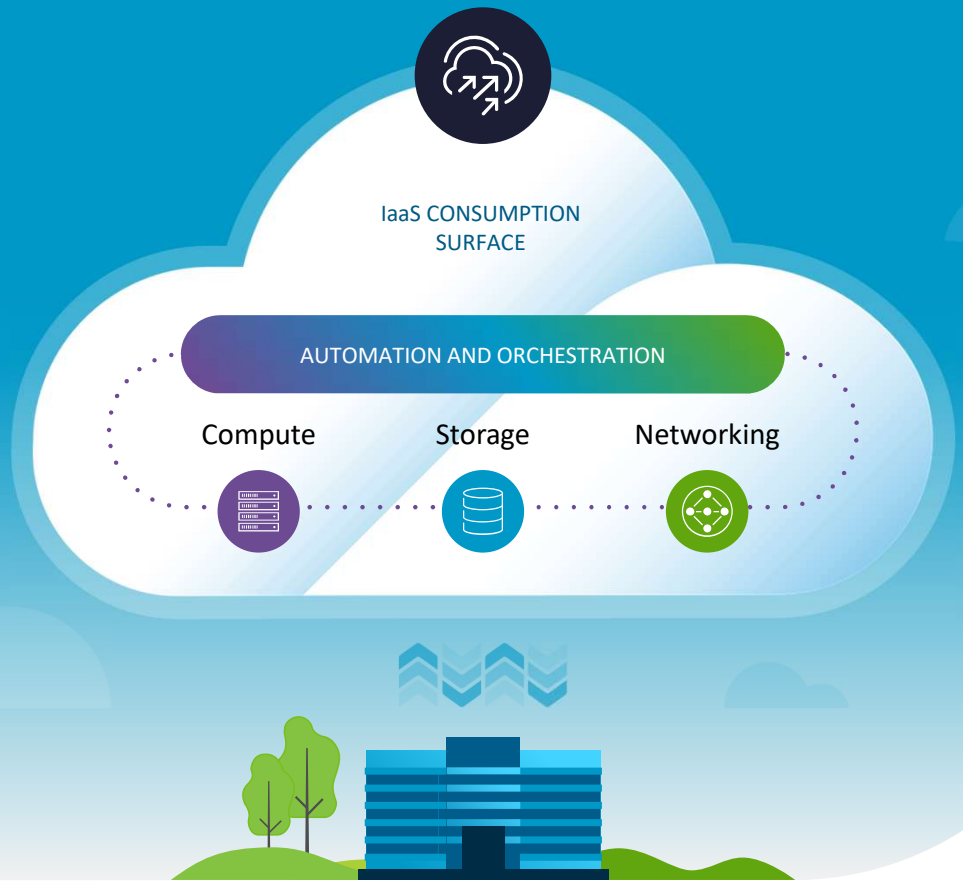
VMware Cloud Foundation 5.2



Modernize Infrastructure

Cloud Experience for Developers

Security and Resilience

Modernize Infrastructure

Infrastructure transformation and modernization

Build or modernize a private cloud infrastructure

Automate to provide IaaS via a self-service catalog

Extend your data center into the cloud

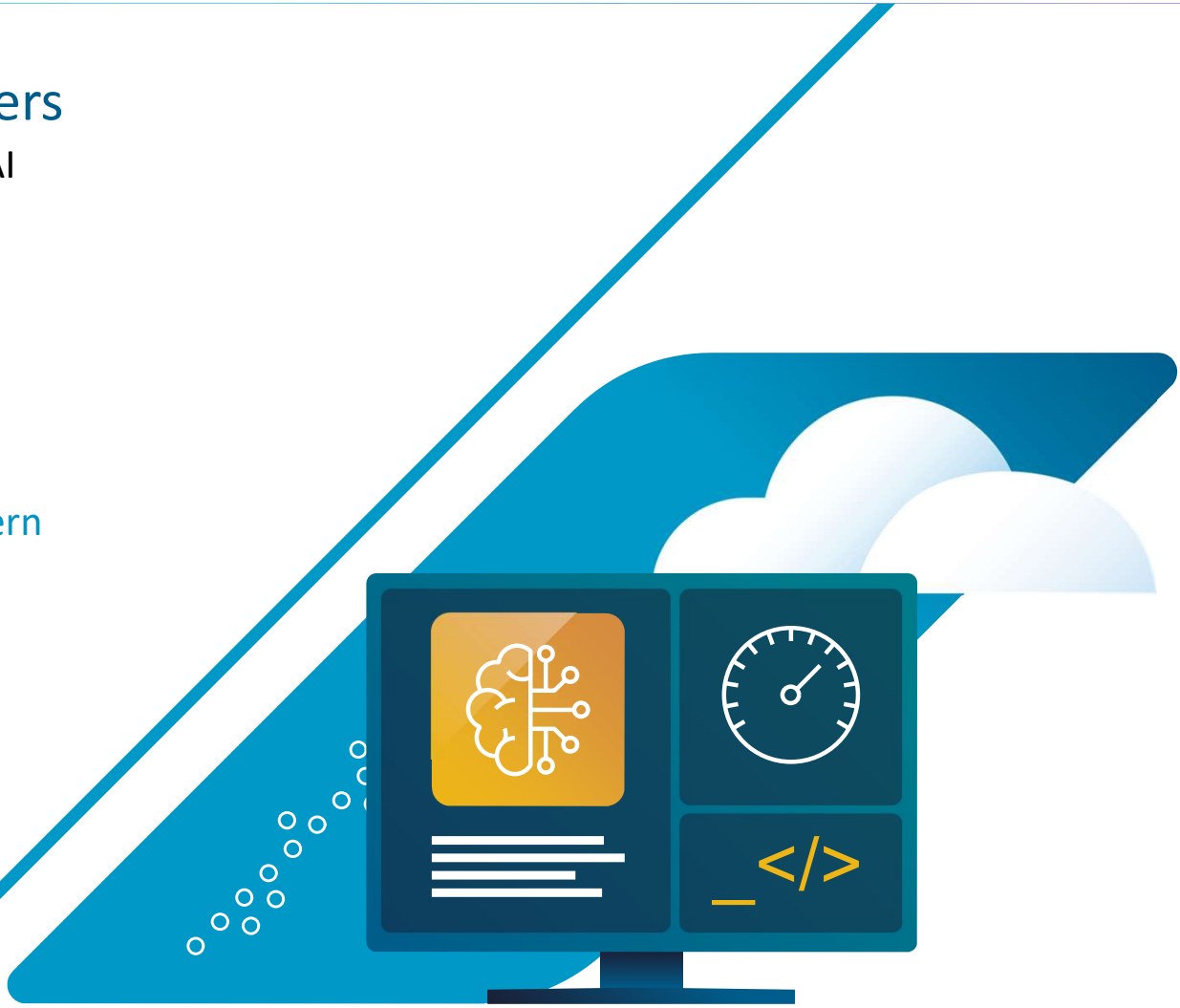
Cloud Experience for Developers

Modern application support and Private AI

Deliver Infrastructure-as-Code

Run business critical and modern workloads in production

Implement Private AI with NVIDIA (Private AI Foundation with NVIDIA)



Security and Resilience

Build, protect, and recover systems and data

Protect and recover from ransomware

Design and implement a disaster recovery-ready infrastructure

Build and integrate security, compliance and resilience into IT*

* Presales use case only, no discrete deliverable. Outcome leads back to cloud infrastructure capabilities relevant to security, compliance and resilience, also needs external mapping to ANS for any non-VCF Division security considerations (microseg, DFW, etc.)

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Driving Modernization, Developer Productivity and Security

Key Outcomes of VCF 5.2

Improved Resource Utilization

Enhanced Developer Speed

Secure and Reliable

Faster Time to Value

Aria Suite Overview

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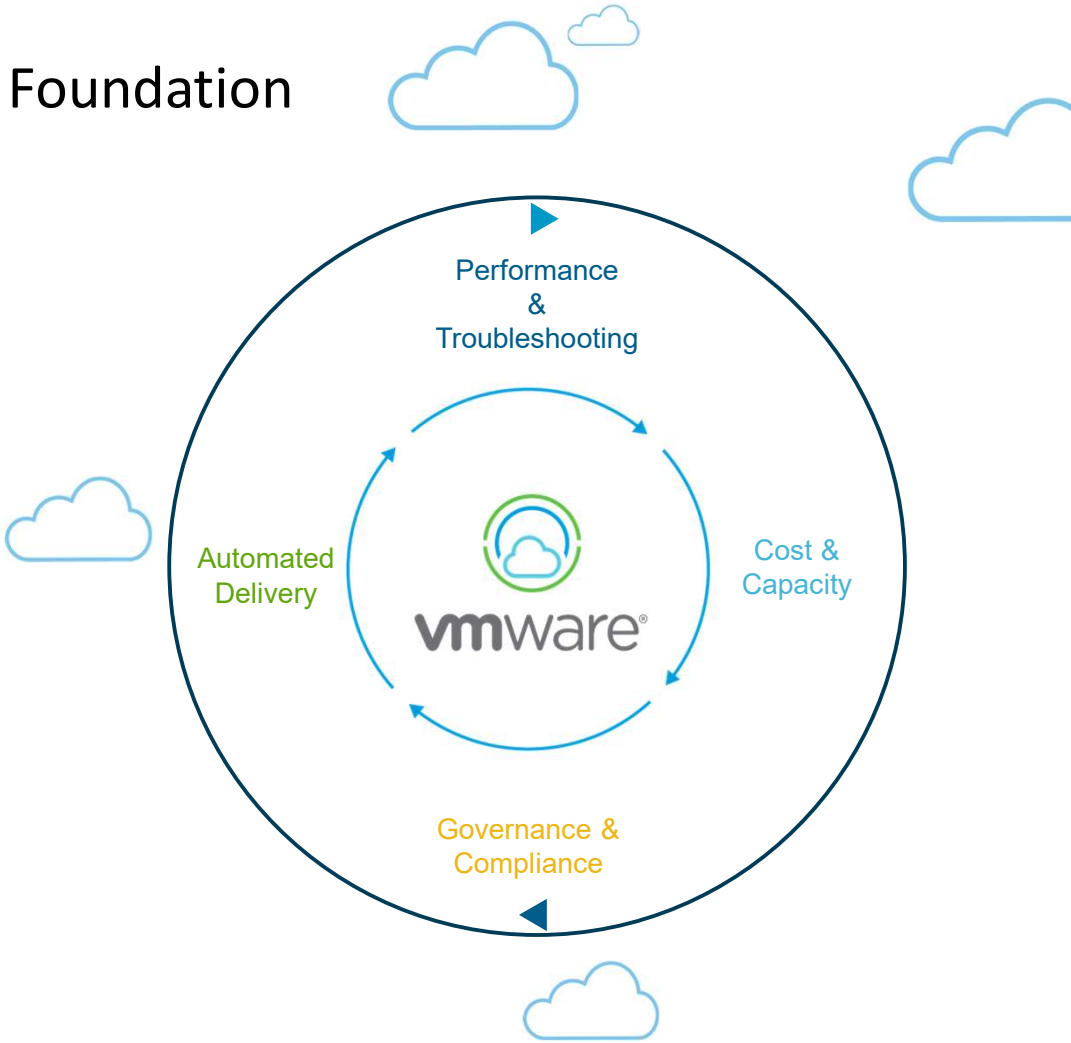
Cloud Management for VMware Cloud Foundation

Accelerate your transition to a true cloud experience with intuitive automation and optimization tools in a single offering.

VMware Aria delivers:

- Key cloud management disciplines of automated delivery, cost & capacity, performance and troubleshooting, and governance & compliance of infra and app services
- Seamless integration with VMware Cloud platforms, enhancing your private and hybrid cloud management capabilities
- VMware Aria Automation, VMware Aria Operations, VMware Aria Operations for Logs, VMware Skyline



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Cloud Management for VMware Cloud Foundation

Delivering a True Cloud Experience with a Cloud Operating Model

Automated Delivery: Self-Service Consumption for App/Infra Teams

Unlock innovation by speeding up the delivery of infrastructure, platform, and app services with a self-service consumption experience.

Performance & Troubleshooting: Maximize Visibility into App and Infra Health

Monitor and manage with full-stack visibility and intelligent remediation to predict, prevent, and troubleshoot faster with actionable insights.

Cost & Capacity: Maximize Utilization at Minimal Cost

Manage the cost and capacity of infra and apps by predicting future demand, leveraging recommendations, fixing potential flaws, and automating reclamation and rightsizing.

Governance & Compliance: Ensure control and reduce risk through policy management

Define and enforce policies and automate remediation from compliance drifts across best practices, sustainability, and regulatory requirements.

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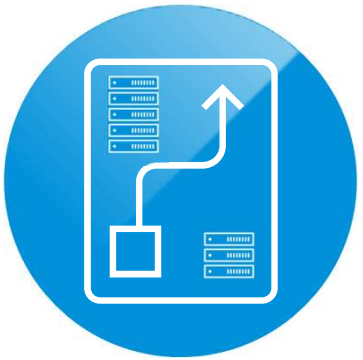
Aria Operations

Cost & Capacity

Maximize Utilization at Minimal Cost

Assess Capacity and Address Shortfalls

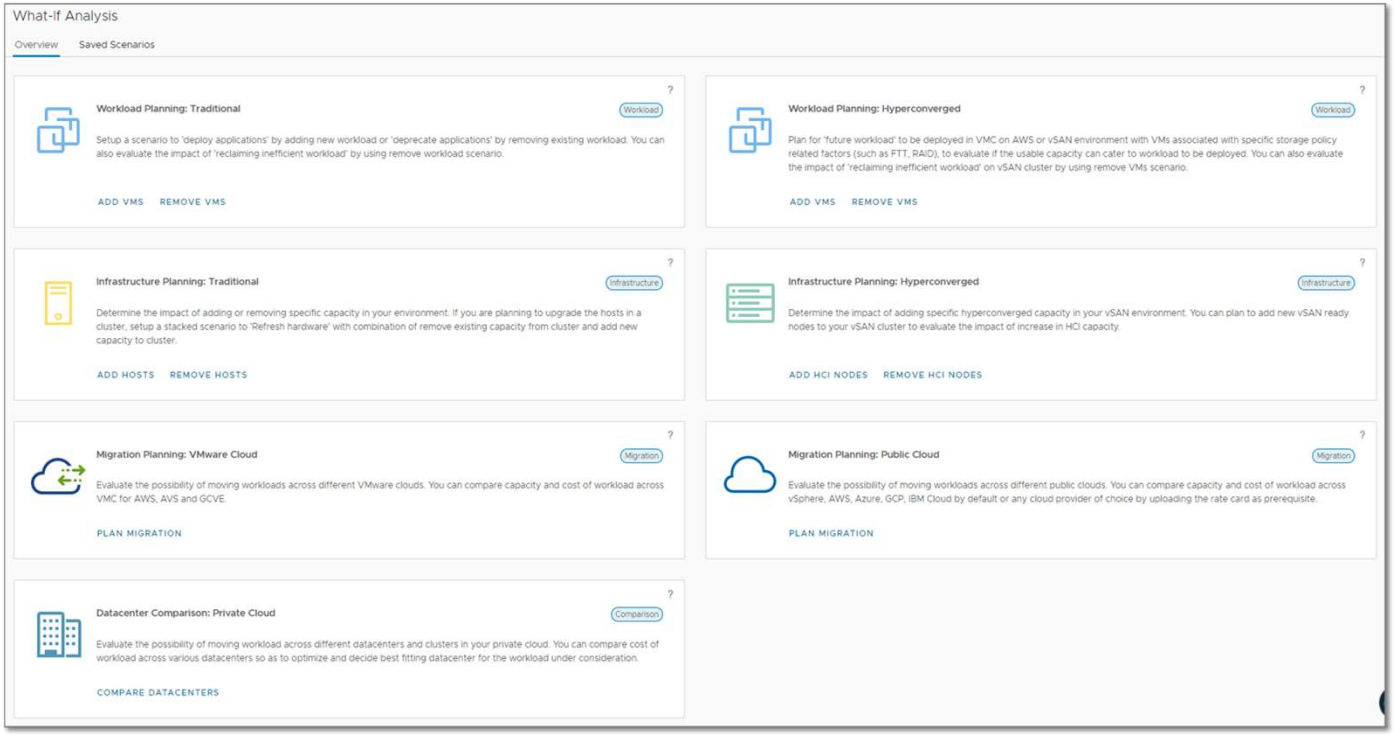
Reclaim Capacity and Automate Cost Savings



Infrastructure and Workload Planning

TCO with Showback & Chargeback

Infrastructure and Workload Planning



Capabilities

"What If" scenario planning for future capacity requirements

Highlights cost implications and potential savings

Combine multiple capacity plans to meet real world scenarios

Benefits

Plan properly for anticipated and unexpected capacity requirements

Determine most cost-effective environment to run applications

Help drive long-term cloud strategy based on capacity and cost plans

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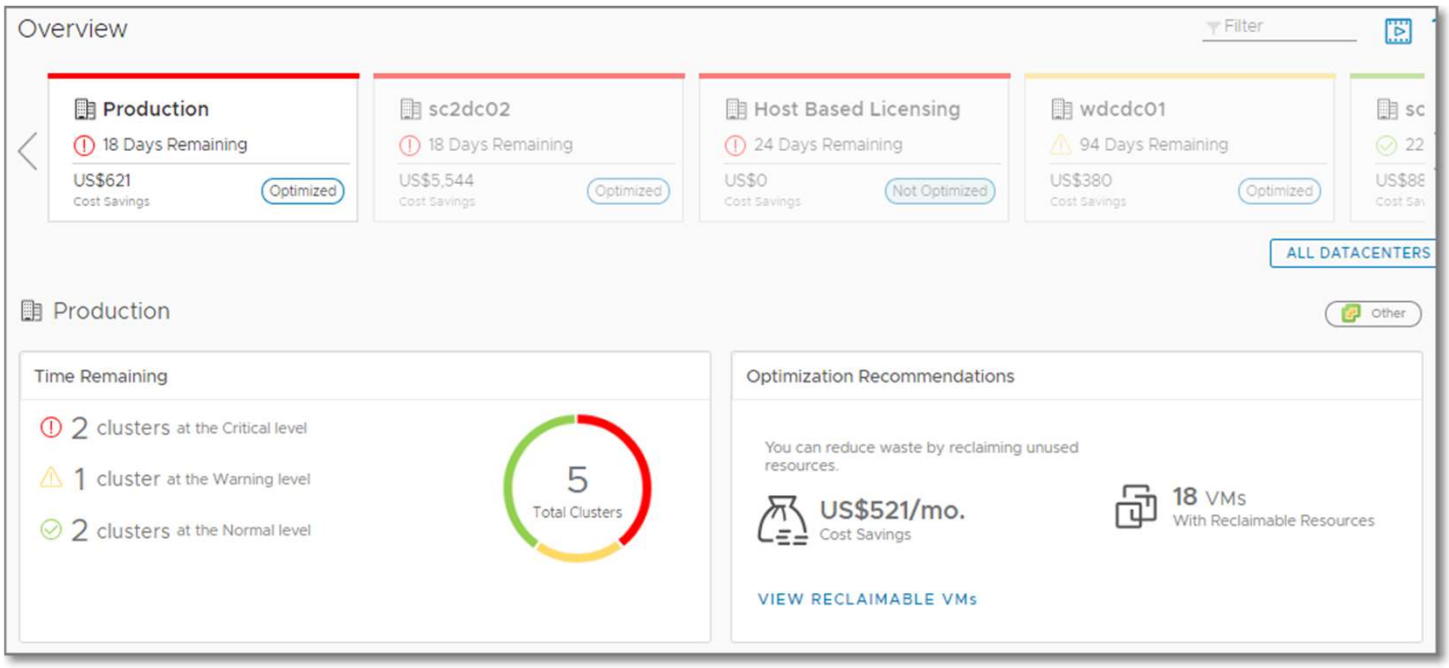
Access Capacity and Address Shortfalls



Capabilities

Capacity assessments leveraging AI driven real-time predictive analytics

Capacity visibility across all cloud environments

Capacity projections using demand and allocation models

Benefits

Maximize your infrastructure utilization

View current and future utilization needs

Predict upcoming capacity shortfalls to highlight critical resource constraints

React in real-time to capacity changes in your clouds

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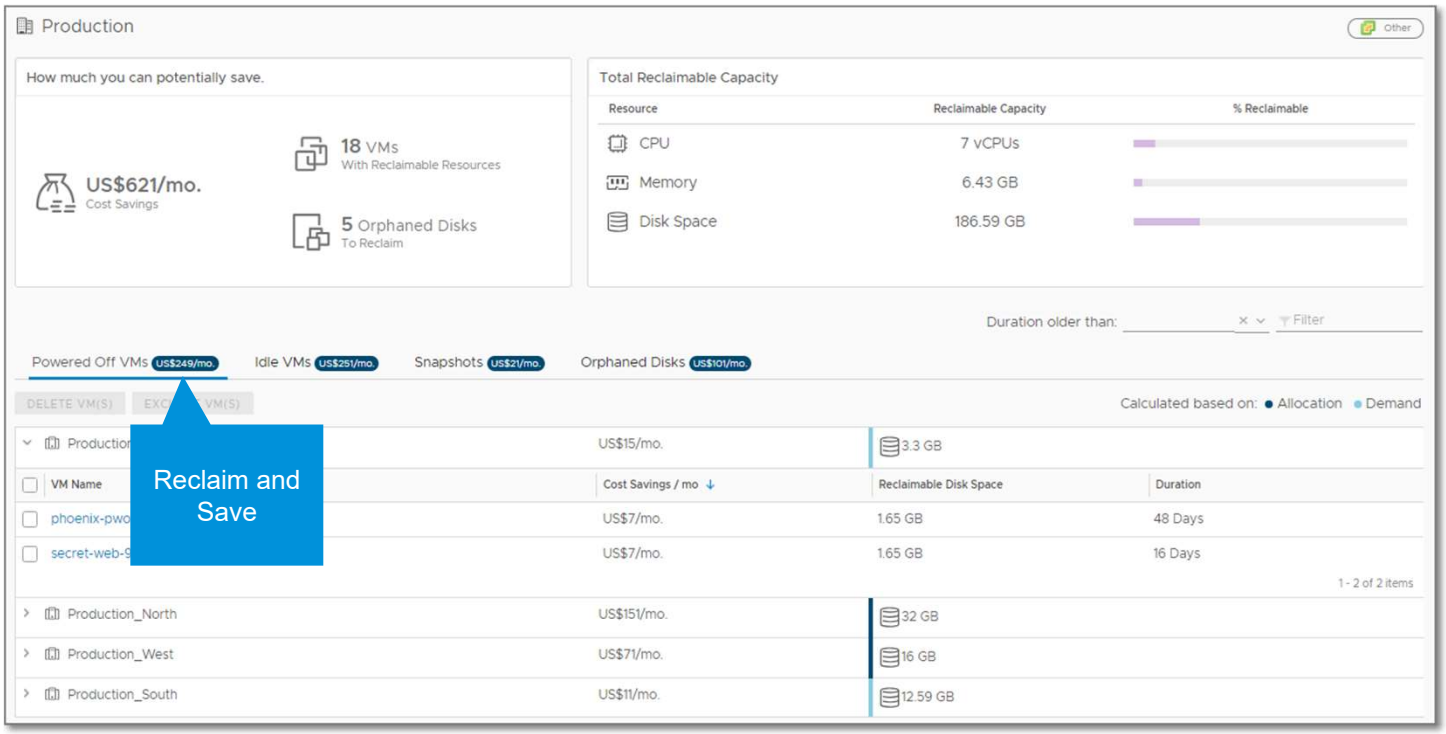
Reclaim Capacity and Automate Cost Savings



Capabilities

Identify unused resources like powered off VMs, idle VMs, old snapshots and orphaned disks

Measure cost savings based on capacity wastage

Run reclamation workflows to optimize cost and reclaim unused capacity

Benefits

Reclaim wasted capacity instead of buying additional infrastructure

Have a lean operating model enabling reprioritization of reclaimed resources

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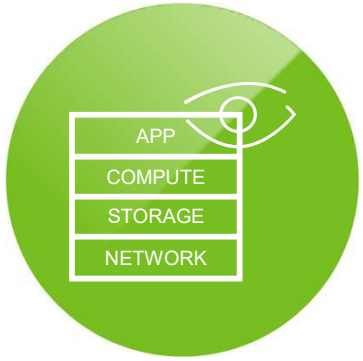
Performance & Troubleshooting

Maximize visibility into App and Infra operations

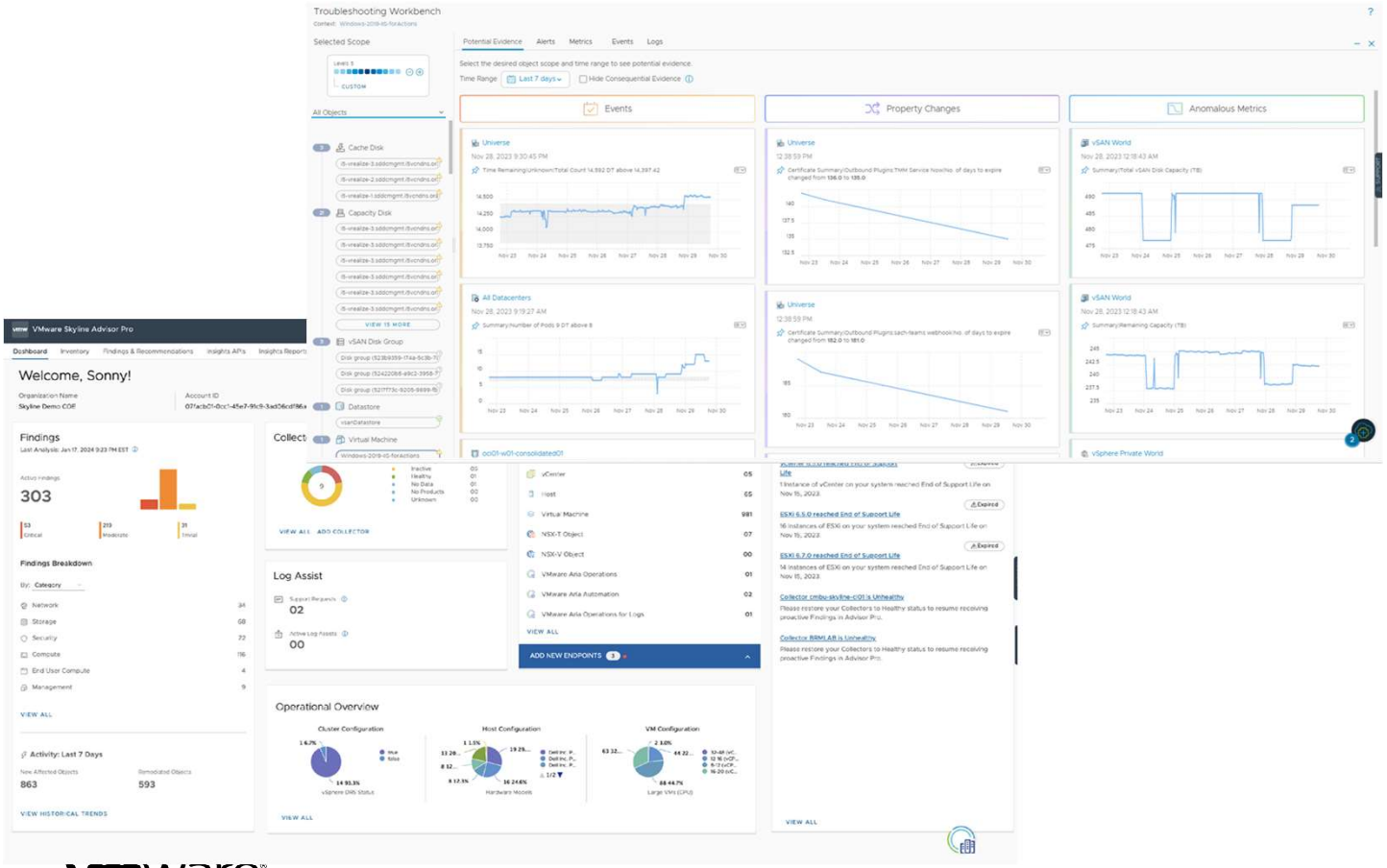


Full Stack Visibility

Application and Container Monitoring

AI-Driven Proactive Troubleshooting and Streamlined Remediation

AI-Driven Troubleshooting & Streamlined Remediation



Capabilities

Single place to fix problems (AI-driven Troubleshooting Work-bench with Metric Correlation)

Highlights notifications, events, property changes and anomalous metrics

Ties in logs for last mile root cause analysis (RCA)

Predictive AI to identify potential vulnerabilities

Automate log bundle creation and delivery

Benefits

Lower Mean Time to Resolution (MTTR)

Meet your SLA/SLOs

Keep IT and LOB stakeholders informed via notifications or shared dashboards

Reduce costly downtime

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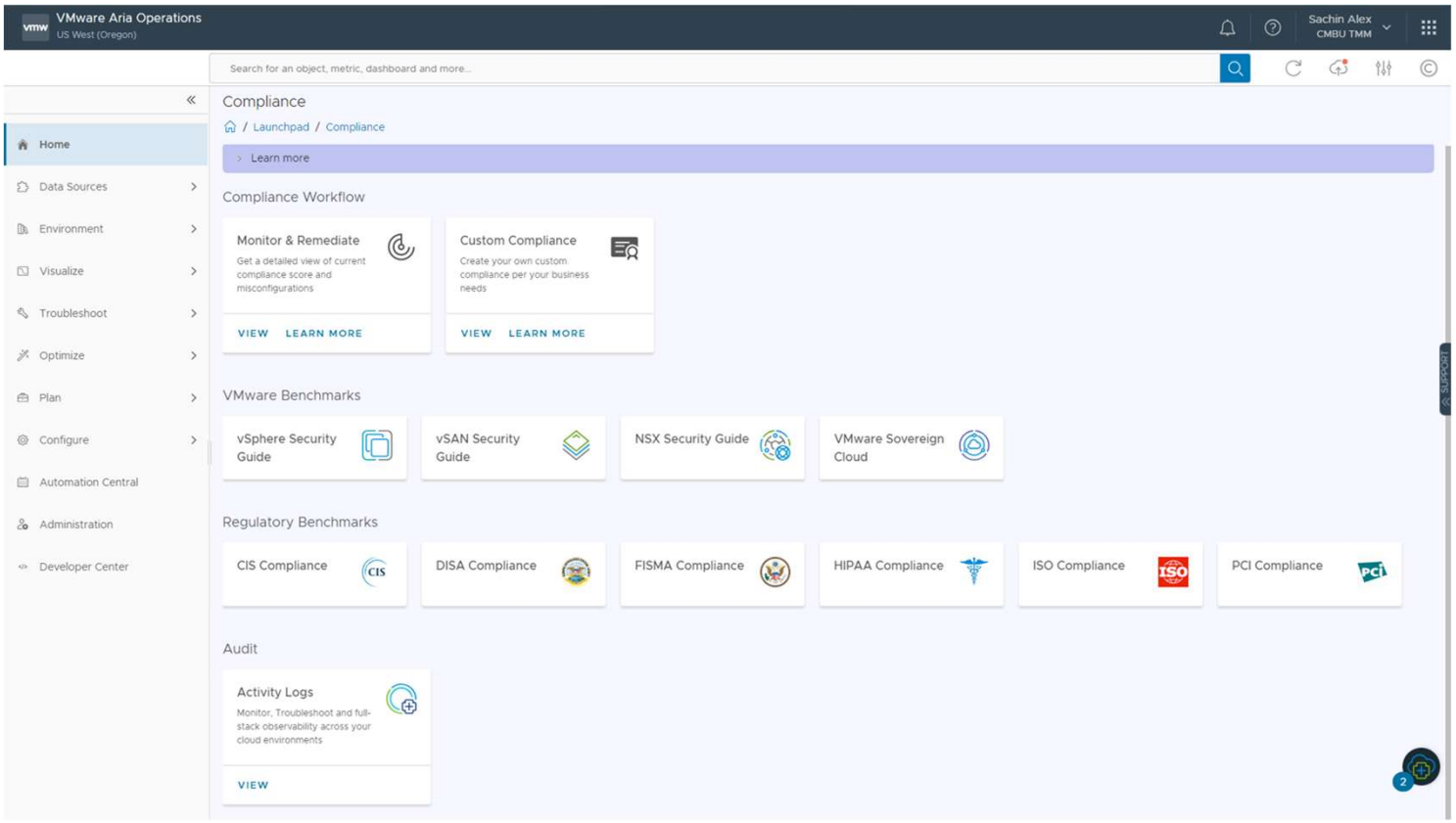
Regulatory and Hardening Guideline Compliance



Capabilities

Leverage OOTB compliance benchmarks for industry and best practice standards (e.g., ISO, PCI, CIS, FISMA, HIPAA, DISA)

Create custom compliance benchmarks to meet your specific business needs

Automate remediation for many compliance issues

Benefit

Understand your compliance posture across clouds and benchmarks

Reduce organizational and business risk by remediating out-of-compliance issues

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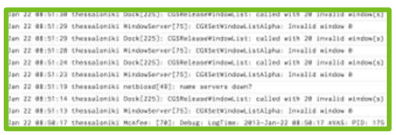
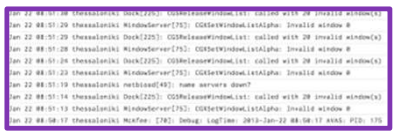
Aria Operations for Logs

Logging Landscape

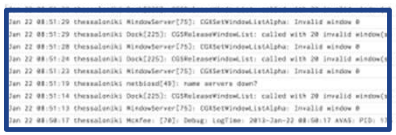
Physical Infrastructure Logs



Virtual Infrastructure Logs

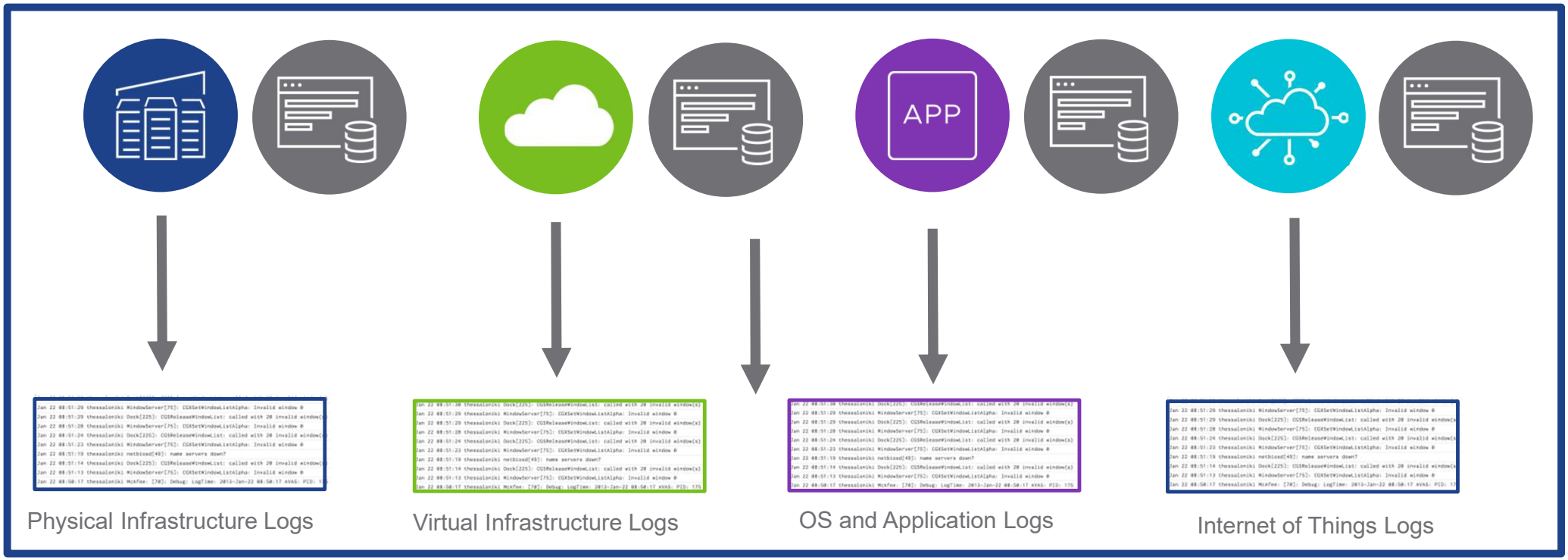


OS and Application Logs



Internet of Things Logs

Logging Landscape



Aria Operations for Logs

Aria Operations for Logs Overview

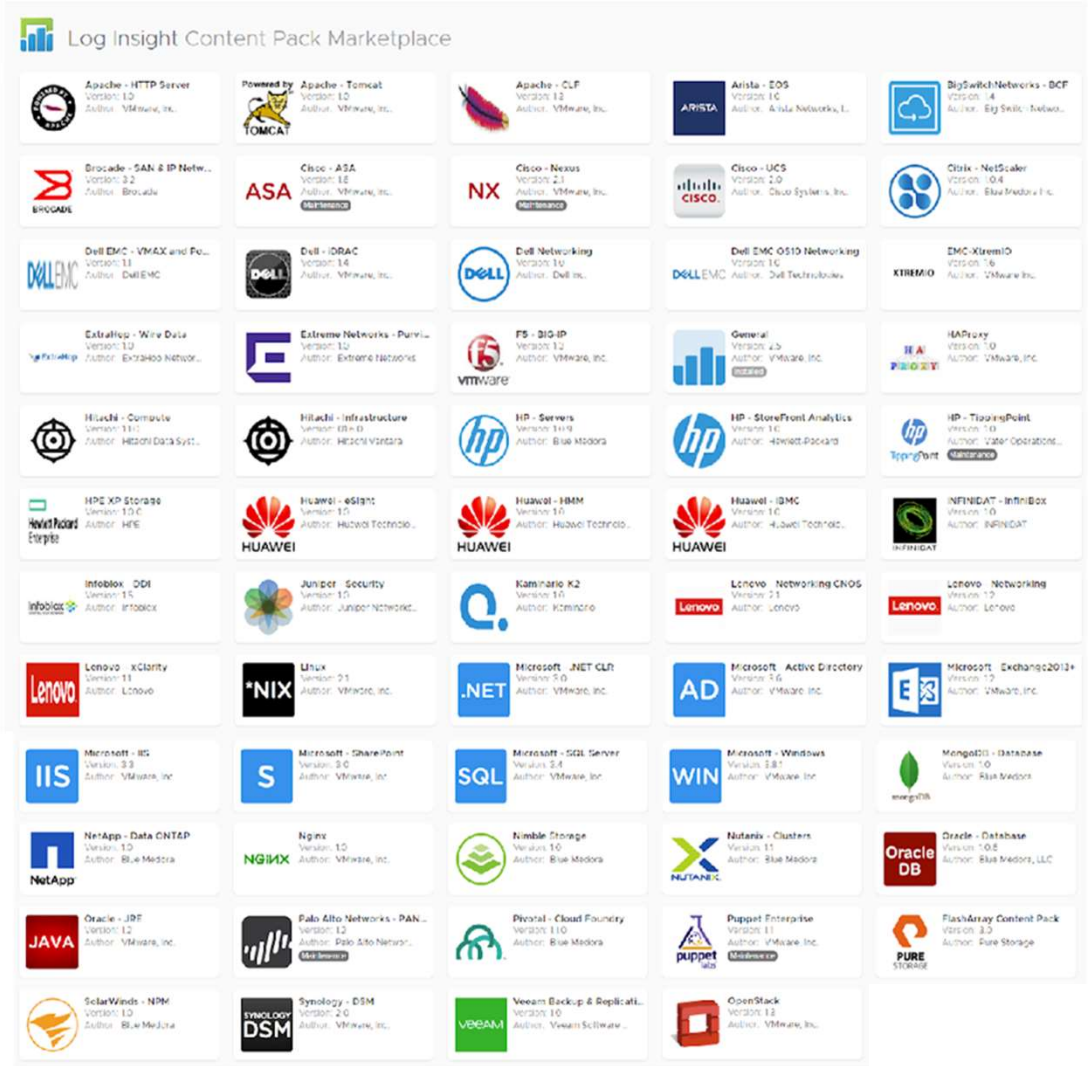
Benefits

- **Faster Troubleshooting (MTTR)**
  - Helps accelerate time-to-resolution; intuitive, GUI-based interface, intelligent querying, and intuitive visualizations enable fast time-to-value
- **Data Warehouse**
  - Provides an economical, intelligent, easily searchable singular location to store all logs
- **Security/Compliance**
  - Gives visibility into wanted and unwanted activity by many users across multifaceted infrastructure

Built for VMware, Extensible far Beyond

50+ third-party content packs available today

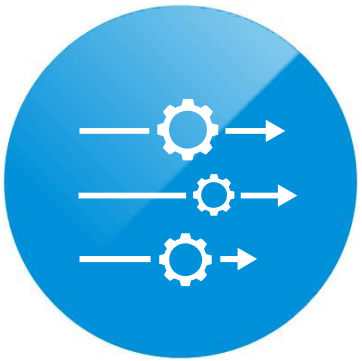
- **VMware technologies supported:**
- Horizon View
- NSX-V
- NSX-T
- vCloud Director
- VMware Identity Manager
- VMware SRM
- Aria Automation
- Aria Operations for Networks
- Aria Operations
- Aria Automation Orchestrator
- Aria Suite Lifecycle Manager
- vSphere
- vSAN



Aria Automation

Enabling Modern Automation Use Cases

Self Service
Private/Hybrid Cloud



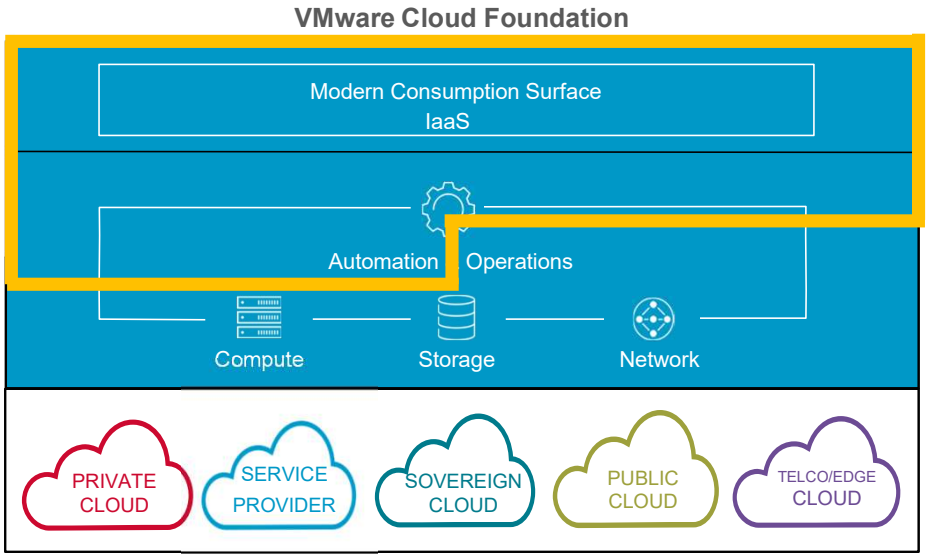
DevOps for
Infrastructure

Kubernetes
Automation

Automated Delivery: Self-Service Consumption for App/Infra Teams

Enabling IT Admins (Provider) to transform an on-prem DC into a modern self-service private cloud, providing Developers (Consumer) a modern IaaS consumption surface

Consumer



Powered by
VMware Aria Automation

Provider

VMware Aria Automation

VMware Aria Automation

Self-Service Catalog	Policy and Governance	Workload lifecycle management	SDDC Infrastructure Automation
Infrastructure as Code and Templates	Infrastructure Pipelines	Kubernetes Infrastructure Automation	Orchestration and Extensibility

Deliver a self-service private cloud across datacenters and certified public clouds

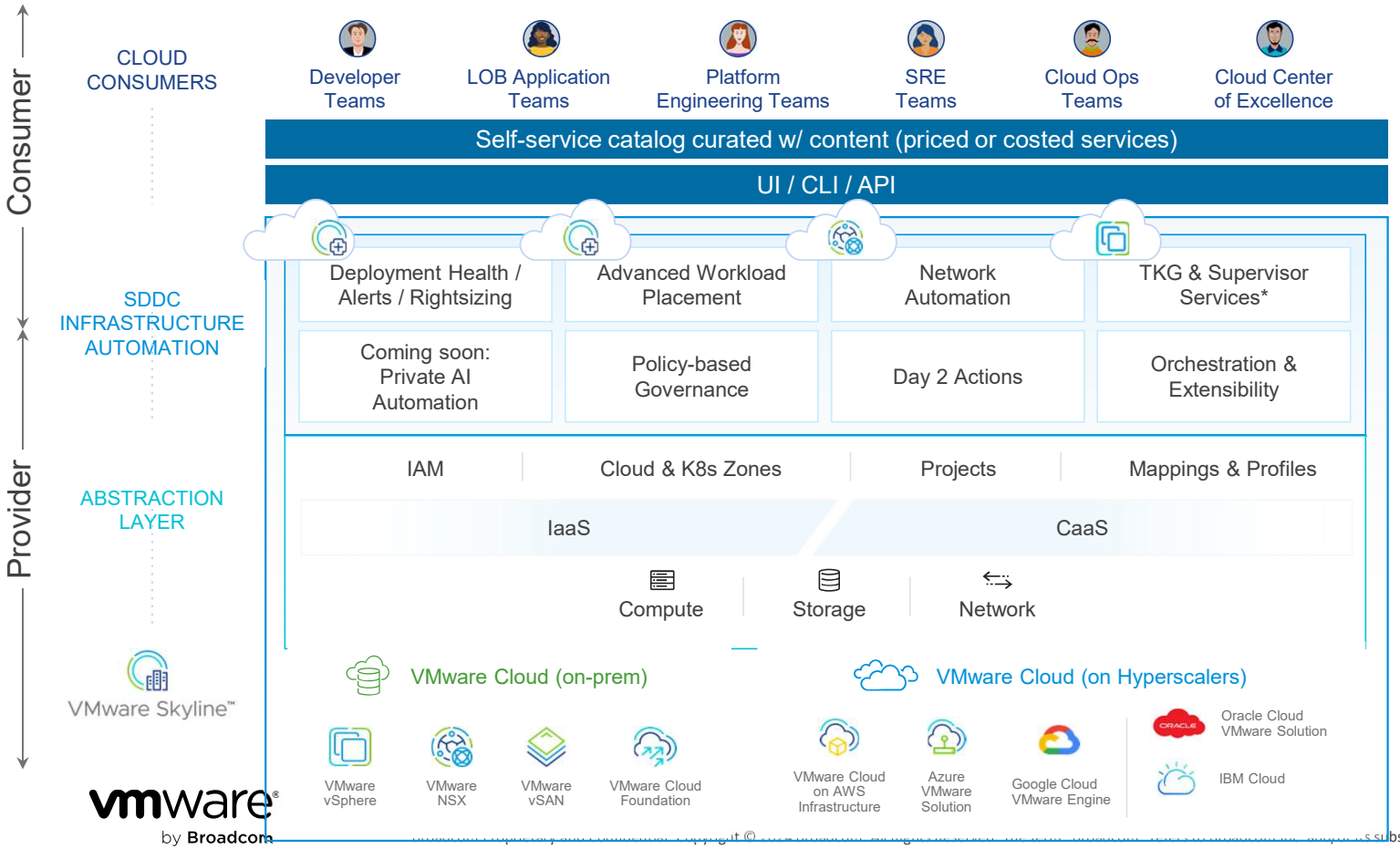
Self-Service Private/Hybrid Cloud

DevOps for Infrastructure

Kubernetes Automation

Self-Service Private Cloud / Hybrid Cloud

Deliver public cloud-like experience on-prem or via hyperscalers based on SDDC infrastructure



Outcome

Enable IT to transform on-prem data center infrastructure into a modern private cloud and/or a hybrid cloud with self-service consumption and delivery capabilities.

Benefit

Make private/hybrid cloud easy with a consistent operating, governance and consumption model.

Provide quick time to value by enabling consumption of the SDDC self-service with existing VMware skillsets.

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* on-prem (VCF) only

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Aria Suite 8.18 Updates

Aria Suite 8.18 (aligns with VCF 5.2)

Benefits

Configuration Drifts for vCenters

- Ability to derive desired configurations for vCenter using a golden standard vCenter that is configured with the required settings.
- Ability to associate these desired configurations with vCenters across the environment.
- Ability to check for drifts against the desired state and view a drift report across all vCenters connected to the VMware Cloud Foundation admin console.
- Support for on demand drift detection.

License Management & Consumption

- Ability to manage VMware Cloud Foundation and VMware vSphere Foundation licenses by adding them in VMware Aria Operations.
- Ability to access consumption for all your licenses across multiple vCenters from a single pane of glass.

Costing

- VMware Software License Cost Driver for Core Licenses
- Project Cost Management
- Business Application Cost Management
- Cost Analysis Enhancements

Thank You