Realize Your Journey to the Cloud

Your guide to completing your VMware Cloud on AWS journey
Digital transformation is at the top of every organization’s priority list. But the journey to achieve this goal is different for everyone. While businesses strive to move every aspect of their operations to the cloud, IT needs to adapt their existing operations to keep up with today’s constantly evolving digital landscape, at the speed of now.

But with traditional tools in place, IT can face challenges in achieving the necessary flexibility and agility to empower today’s workforce, while ensuring a smooth, seamless cloud journey.

It’s time to level the playing field and boost your cloud journey with VMware vRealize Cloud Management.

VMware vRealize Cloud Management is an intelligent hybrid cloud management solution that enables consistent operations for applications, infrastructure, and platform services, across VMware Cloud on AWS, private, hybrid and multi-cloud environments.

The VMware vRealize Cloud Management portfolio helps organizations:

1. Innovate with quick and easy access to cloud services
2. Improve operational excellence with 360 visibility & automation capabilities
3. Improve control while mitigating risk through unified operations & governance
No matter where you are in your journey, VMware vRealize Cloud Management enables you to achieve your short- and long-term objectives with self-driving products that will help you navigate VMware Cloud on AWS.

With vRealize Cloud Management, IT can now leverage the best of VMware products to deliver consistent operations across multi-cloud environments. vRealize Cloud Management includes the following solutions:

1. Why VMware is perfect for your AWS journey
2. Level up with self-driving & multi-cloud solutions
3. Day 0 - Plan & access
4. Day 1 - Migrate & monitor
5. Day 2 - Operationalize & manage
6. Make cloud your business
Choose your Path to the Cloud with Multi-cloud Solutions

VMware vRealize Cloud Management accelerates cloud transformation to develop, deliver, and operationalize applications (modern and traditional) from the datacenter, to the edge, and across any cloud.

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Welcome to Day 0! This chapter covers all the use cases, planning and assessment capabilities of vRealize Cloud Management for Day 0.

With vRealize Cloud Management, IT has the capability to assess:

- Capacity utilization
- Verify health & performance post migration
- Resource availability
- Access bandwidth & discover dependencies
- Sizing of VMC hosts

**DAY 0: PLAN & ACCESS**

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Day 0 responsibilities

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You’ve reached Day 1, and it’s the time to migrate and monitor your existing applications. In this chapter, we cover the use cases and the plan of action for Day 1 activities.

**Day 1 use cases involve:**

- **Migrate & Monitor**
  - Monitor the state of the VMware SDDC and cloud objects (applications to infrastructure) with built-in and custom dashboards.

- **Provision**
  - Deploy, configure, orchestrate and on-board workloads & apps with consistent automation. Self-service VMs, Kubernetes clusters, and namespaces.

- **Optimization**
  - Balance your environment workload based on pre-defined business or operational intent. Reduce cost on licensing, optimize application performance and automate workload placement and balancing.

- **Compliance**
  - Automate compliance checks for VMs, Host, vCenter, and vSwitches based on today’s latest standards (6 out-of-the-box) such as PCI, HIPPA, DISA, FISMA, ISO, CIS or create your own custom compliance templates.
Day 1 responsibilities

1. Deploy SDDC
2. Ensure readiness/availability
3. Confirm app recovery during test/events
4. Level up with self-driving & multi-cloud solutions
5. Day 0 - Plan & access
6. Day 1 - Migrate & monitor
7. Day 2 - Operationalize & manage
8. Make cloud your business
For Day 2, it’s time to operationalize and set up next-gen apps, along with self-service automation.

Day 2 use cases involve:
- **Unified Operations Across Public Clouds**: unify Horizon VDI operations with performance optimization, capacity & cost management, and monitoring across users, sessions, pods
- **Self-service Automation**: enable application modernization for developer-ready infrastructure
- **App Modernization**: deliver developer-ready infrastructure with Kubernetes automation and operations; streamline developer experience with infrastructure-as-a-code.

Monitor:
Day 2 responsibilities

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- TROUBLESHOOT
  - Performance Bottlenecks
  - Metrics
  - Events
  - Logs
  - Flows

- OPTIMIZE
  - Right-size workloads
  - Reclaim wasted resources
  - Workload placement
  - Workload balance

- COMBINE & OFFER
  - Offer infra objects with native AWS services in VMware Cloud Templates

- LEVEL COMPLETE

- KUBERNETES TO INFRASTRUCTURE
  - Inventory
  - Monitoring
  - Logging
  - Capacity optimization
  - Planning
  - Troubleshooting
  - Compliance

- Intelligent Remediation
  - with object relationship mapping

- VDI
  - Monitoring & Analytics

- OPERATIONALIZE
When the game changes, you need to adapt.

VMware vRealize Cloud Management empowers IT with complete control and flexibility to navigate through your Cloud journey. It’s time to create new possibilities to maximize ROI by modernizing IT, accelerating adoption to the cloud and assuring developer productivity.

No matter where you are in your cloud journey, the VMware vRealize Cloud Management portfolio helps your business:

- **Accelerate faster time to innovation**
- **Gain better operational excellence**
- **Mitigate risk for your hybrid and public cloud**
- **Improve control for consistent operations**
