

# VMware vRealize Cloud Universal

## Overview

VMware vRealize® Cloud Universal™ is a software-as-a-service (SaaS) management suite designed to accelerate cloud evolution by combining on-premises and SaaS capabilities for automation, operations, log analytics, and network visibility into a single offering. It gives the flexibility to deploy on premises or as SaaS, interchangeably, without the need to repurchase, for a consistent hybrid and multi-cloud management experience. The flexible licensing and delivery models enable organizations to move at their own pace, helping them to become more agile, scalable and efficient.

vRealize Cloud Universal includes the following products:

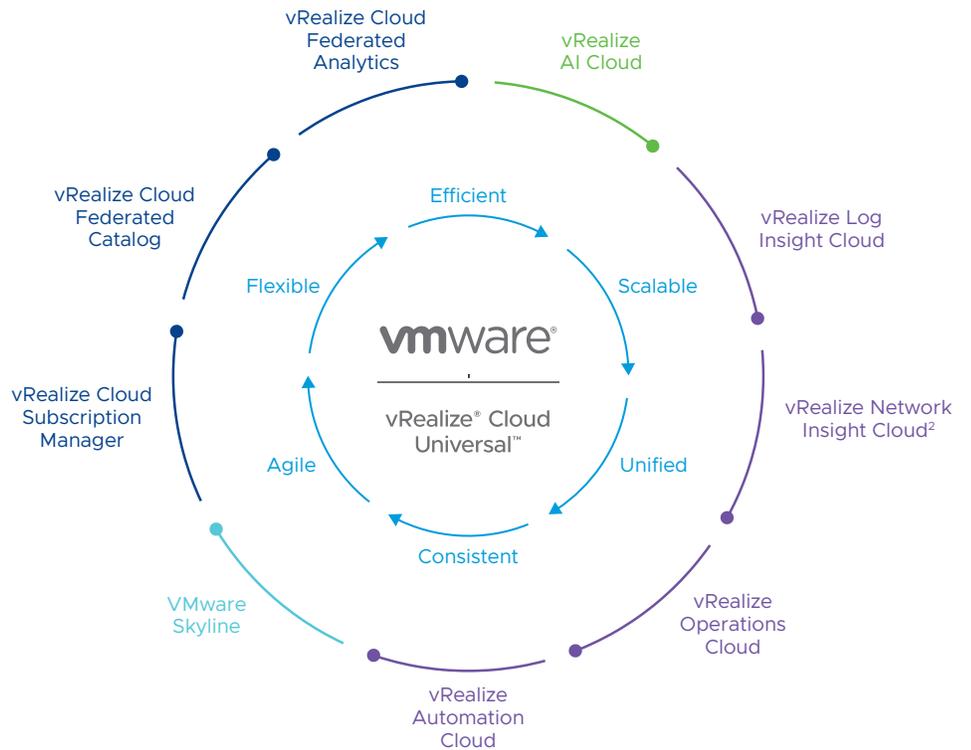
- VMware vRealize Automation™ and vRealize Automation Cloud™ – Enables self-service catalog, governance, provisioning, orchestration and DevOps-based service delivery from a modern infrastructure automation platform
- VMware vRealize Operations™ and vRealize Operations Cloud™ – Delivers continuous performance optimization, efficient capacity management, proactive planning, intelligent remediation, and integrated compliance powered by AI and predictive analytics
- VMware vRealize Log Insight™ and vRealize Log Insight Cloud™ – Delivers centralized log management, deep operational visibility, and intelligent analytics
- VMware vRealize Network Insight Cloud™ – Enables acceleration and optimization of application security and networking across private, public and hybrid clouds<sup>1</sup>
- VMware Skyline™ – Provides proactive intelligence that helps organizations avoid problems before they occur, and reduces the time spent on resolving active support requests

## SaaS-exclusive features

In addition, vRealize Cloud Universal includes powerful new, SaaS-only features:

- VMware vRealize AI Cloud™ – Provides reinforcement learning to learn, adapt and optimize storage KPIs across mixed application workloads
- VMware vRealize Cloud Federated Catalog™ – Delivers a unified catalog of IT infrastructure resources to end users globally
- VMware vRealize Cloud Federated Analytics™ – Enables a unified view of hybrid and multi-cloud environments in a single interface
- VMware vRealize Cloud Subscription Manager™ – Delivers automated license usage metering from vRealize deployments, both on premises and in the cloud

<sup>1</sup> vRealize Network Insight Cloud is only available in the vRealize Cloud Universal Enterprise Plus edition (exclusive to VMware Cloud Universal™).



**FIGURE 1:** Products and features that comprise VMware vRealize Cloud Universal.

## Key capabilities

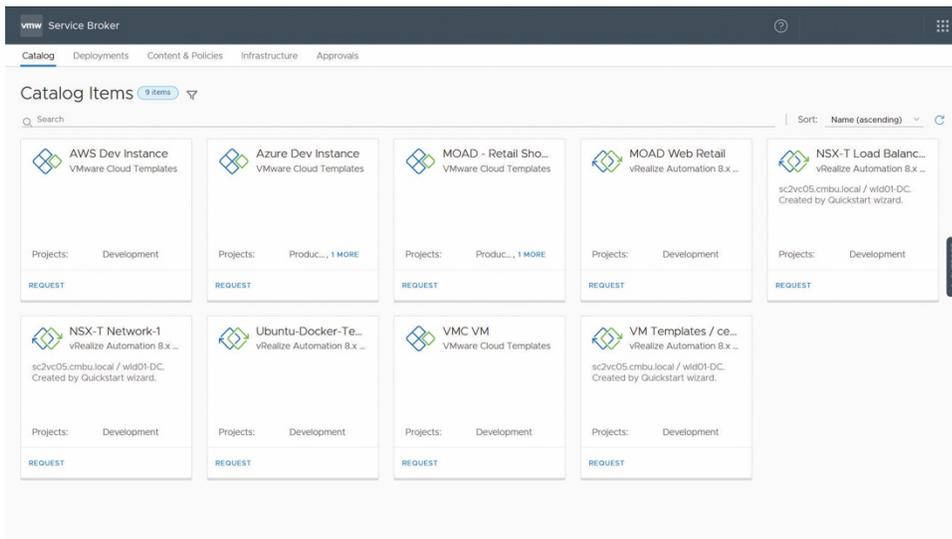
### Federation

A cloud federated portal helps organizations scale operations at ease, while maintaining governance at a global level, as well as reduce application development costs, complexity and time to market. Cloud administrators gain the ability to centralize services, enabling them to identify service gaps and redundancies, as well as gain insight into supply and demand, eliminating the need to develop and support services at individual locations. Cloud federated analytics enables teams to view, analyze and compare performance, capacity, compliance, cost, utilization of cloud services, the underlying infrastructure, and the deployed workloads across a mix of on-premises clouds and public cloud environments.

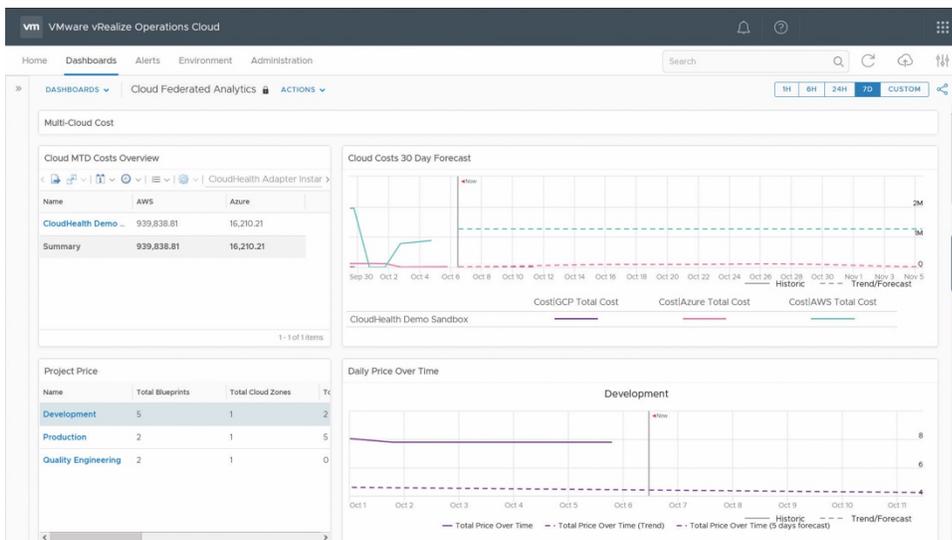
2. vRealize Network Insight Cloud is only available in the vRealize Cloud Universal Enterprise Plus edition (exclusive to VMware Cloud Universal).

**KEY BENEFITS**

- Flexible consumption
- Move at your own pace
- Agile, scalable and efficient



**FIGURE 2:** vRealize Cloud Federated Catalog.



**FIGURE 3:** vRealize Cloud Federated Analytics.

**Choice**

With flexible deployment and licensing, organizations can consume management both on premises or as SaaS as the demands of the business evolve. This strategic alignment enables a seamless movement of workloads to the cloud while protecting existing cloud investments for a consistent operating model, leading to better efficiency, flexibility and scalability.

### Intelligent

Integrated machine learning and reinforcement learning techniques continuously learn, adapt and optimize storage KPIs to deliver consistent and optimal performance for mixed application workloads. As workload applications get scaled out or migrated to different data centers or clusters, vRealize AI Cloud will dynamically adjust VMware vSAN™ tunables to continuously optimize KPIs, such as I/O read and write throughput, or reduce network latency.

### Integrated

Proactive intelligence keeps customers out of harm’s way, alerting them to potential issues before they occur. Avoiding problems and downtime keeps customers’ infrastructures healthy, secure and productive. If problems do occur, integrated self-service troubleshooting speeds the issue’s time to resolution. VMware Skyline helps IT organizations transition from a reactive firefighting mode to a proactive self-driving model, freeing time to focus on more strategic business initiatives and innovation.

## Overcoming cloud management challenges

CHALLENGE	SOLUTION: vREALIZE CLOUD UNIVERSAL
<p><b>Inflexible tools</b> Transitioning workloads to cloud doesn’t happen overnight, and siloed management tools that can’t meet business demands halt progress.</p>	<p><b>Flexible consumption</b> Deploy management both on premises or as SaaS, interchangeably, for continuous operations across clouds and faster access to innovation.</p>
<p><b>Stalled productivity</b> Cloud management tools that don’t align with hybrid workloads create inefficient silos, and hinder agility and decision-making.</p>	<p><b>Move at your own pace</b> Manage hybrid and multi-cloud environments at scale, aligned to your business needs, with a unified SaaS-based management suite complete with a federated catalog and analytics.</p>
<p><b>Lack of continuity</b> A rip-and-replace approach to existing management solutions isn’t practical and can introduce disruption, risk and expensive retraining of staff.</p>	<p><b>Continuous operations</b> Gain agility and efficiency of cloud infrastructure at scale, leveraging the latest AI and machine learning innovations to provision, optimize, and govern hybrid and multi-cloud environments.</p>
<p><b>Cost concerns</b> The pressure to lower IT costs and shift from CapEx to OpEx while meeting increasing demands requires IT to seek a predictable cost model and protect existing investments.</p>	<p><b>Reduce IT operating costs</b> Choose between on-premises and SaaS management without needing to repurchase.</p>

## SUPPORTED PLATFORMS

VMware vRealize Cloud Universal supports a private cloud based on VMware; VMware Cloud™ on AWS; and the native public clouds of AWS, Microsoft Azure, Google Cloud Platform, VMware Cloud on Dell EMC and other VMware vSphere® environments.

## FOR MORE INFORMATION OR TO PURCHASE VMWARE PRODUCTS

Call 877-4-VMWARE (outside North America, +1-650-427-5000).

Visit the product page at [vmware.com/products/vrealize-cloud-universal](https://vmware.com/products/vrealize-cloud-universal).

## Why vRealize Cloud Universal?

- Flexibility to use on premises or as SaaS in a single license
- Unified view of cloud management activities for supporting large-scale and distributed environments
- Federation of IT services using a SaaS-based catalog across multi-cloud endpoints
- The latest AI and machine learning innovations that enable a self-driving data center
- The consistency to provision, optimize and govern across hybrid and multi-cloud environments with a single operational model
- The ability to manage subscription licenses, analyze usage for transparency, and determine present and future subscription requirements
- VMware-managed SaaS upgrades
- The agility, efficiency and scalability benefits of SaaS with proactive support for faster, more reliable access to innovation

## How to buy

VMware vRealize Cloud Universal is available in three editions that cater to different levels of management needs and use cases:

- Standard – Supports self-driving operations for enterprises looking to deliver continuous performance optimization based on intent, efficient capacity management, proactive planning, and intelligent remediation
- Advanced – Supports programmable provisioning for enterprises that need to accelerate the delivery of IT infrastructure services by automating delivery and ongoing management
- Enterprise – Supports application operations for organizations looking to accelerate application delivery across both traditional and container-based applications
- Enterprise Plus – Supports application operations and includes vRealize Network Insight Cloud for end-to-end network visibility and analytics across VMware and third-party network infrastructure. Available only in VMware Cloud Universal.