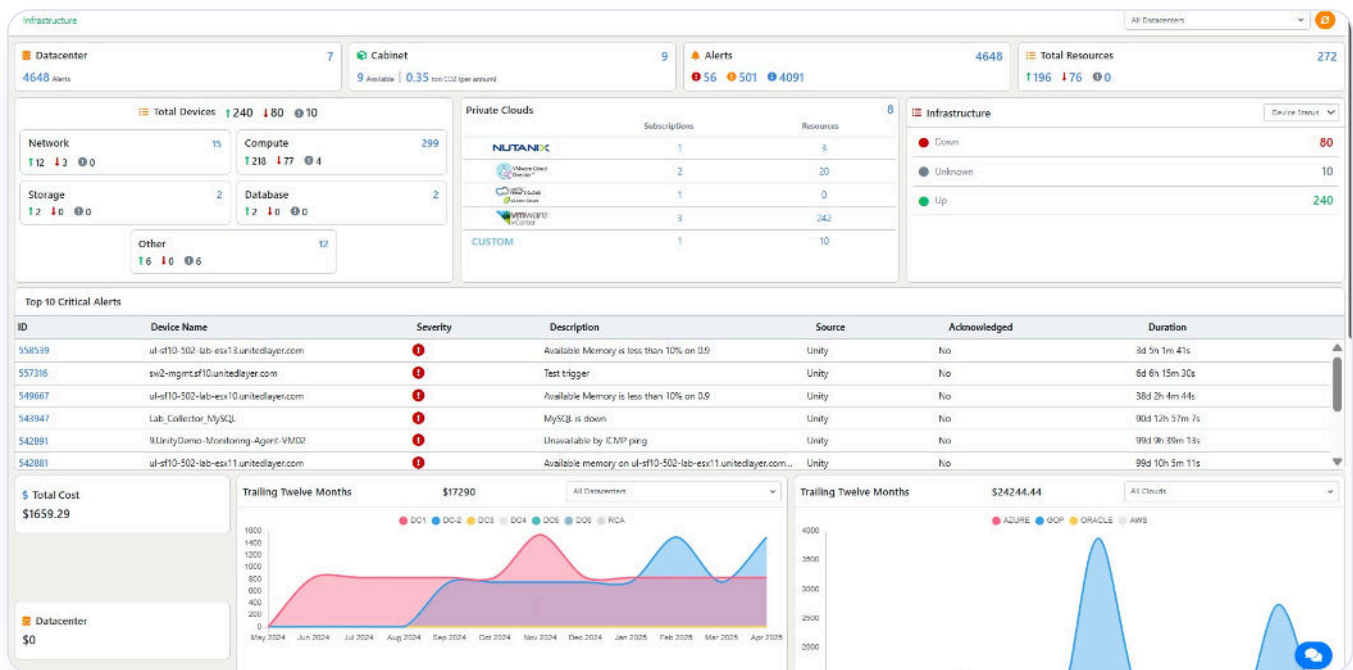


AI-powered Hybrid Cloud Management

Use contextual AI and governed agents to discover, govern, provision, operate, optimize and retire hybrid-cloud services across private cloud, public cloud and Kubernetes.



Unified dashboard across data center, private cloud and public cloud.

50+

Tools consolidated

2–3x

Engineering productivity

50–60%

Lower operational overhead

90%

L1/L2 tasks automated

PLATFORM OVERVIEW

One platform, five layers

HCMP is part of Cerne™, the UnityOne AI platform that also includes DCIM, AIOps, FinOps and sustainability, so every capability shares the same data and governance.

Layer	Capabilities
Unified multicloud management	Unified multicloud discovery, unified management, Kubernetes and microservices management, OS vulnerability management and compliance
Self-service & automation	Self-service catalogs, policy-driven resource management, DevOps automation and orchestration, composable workflows (low code, no code)
Observability & AIOps	Infrastructure, cloud, application, AI workload and security observability; AI/ML correlation, anomaly detection and AI-powered RCA; event-based auto remediation
FinOps	Hybrid cloud and data center cost modeling, cost allocation, chargeback and showback, anomaly detection, optimization recommendations, budgeting and forecasting
GenAI & agentic AI	Enterprise AI assistant powered by a private LLM, specialized ops agents, agentic workflows, AI-driven knowledge management, automated change impact analysis

Who uses it

- ✓ Cloud users: self-service portal, multicloud access, automated workflows
- ✓ Cloud administrators: policy enforcement, resource optimization, RBAC
- ✓ Business operations: chargeback and showback, budgets, utilization reports

What it manages

- ✓ Private cloud and data centers
- ✓ Public cloud: AWS, Azure, Google Cloud, Oracle Cloud
- ✓ Containers, Docker and Kubernetes
- ✓ Service mesh: Istio, AWS App Mesh, Anthos Traffic Director

ARCHITECTURE

SaaS or on-premises deployment

Lightweight UnityOne collectors run next to your infrastructure and connect to the platform, whether it is hosted by UnityOne or in your own VPC.

SAAS

Hosted platform, local collectors

- ✓ UnityOne collector deployed in private, colo and on-prem environments
- ✓ Communication from the SaaS platform to the collector through a 1:1 public NAT
- ✓ Collector ports: TCP 443, 3306, 10051; managed devices: TCP 22, 443, 10051
- ✓ Public clouds, Kubernetes and services connected through API and webhooks
- ✓ Workflow integrations to ITSM and DevOps tools

ON-PREMISES

Runs in your own VPC

- ✓ UnityOne platform, collector and maintenance portal in the client VPC
- ✓ Container repository and orchestration layer on your hosting infrastructure
- ✓ Connects to public clouds, infrastructure, ITSM and other third-party tools
- ✓ Multi-tenant, with persona-based dashboards

Discovery methods

Cloud provider APIs

Private cloud APIs

Kubernetes API

SNMP v1/v2c/v3

REST/API

Redfish

SSH

WMI

LLDP/CDP

Webhooks

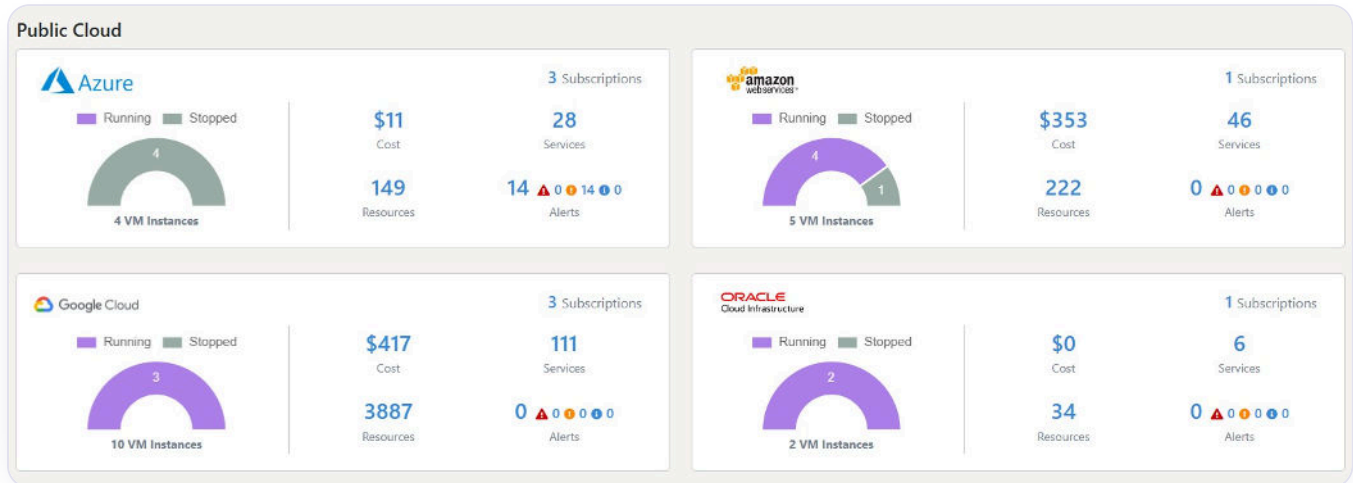
Supported platforms

Private cloud: VMware vCenter and vCloud Director, Nutanix, OpenStack, Proxmox, Microsoft Hyper-V, Azure Stack, Scale Computing. Public cloud: AWS, Azure, Google Cloud, Oracle Cloud (OCI). Containers: Kubernetes, Docker, VMware Tanzu.

MULTICLOUD DISCOVERY & OBSERVABILITY

Every cloud, cluster and data center in one view

AI-powered multicloud discovery and full-stack observability across the service delivery lifecycle.



Public cloud overview: instances, cost, services and alerts.

Single pane of glass

Private, public and Kubernetes together.

Event intelligence

Correlation, anomaly detection and AI-powered RCA.

Native monitoring

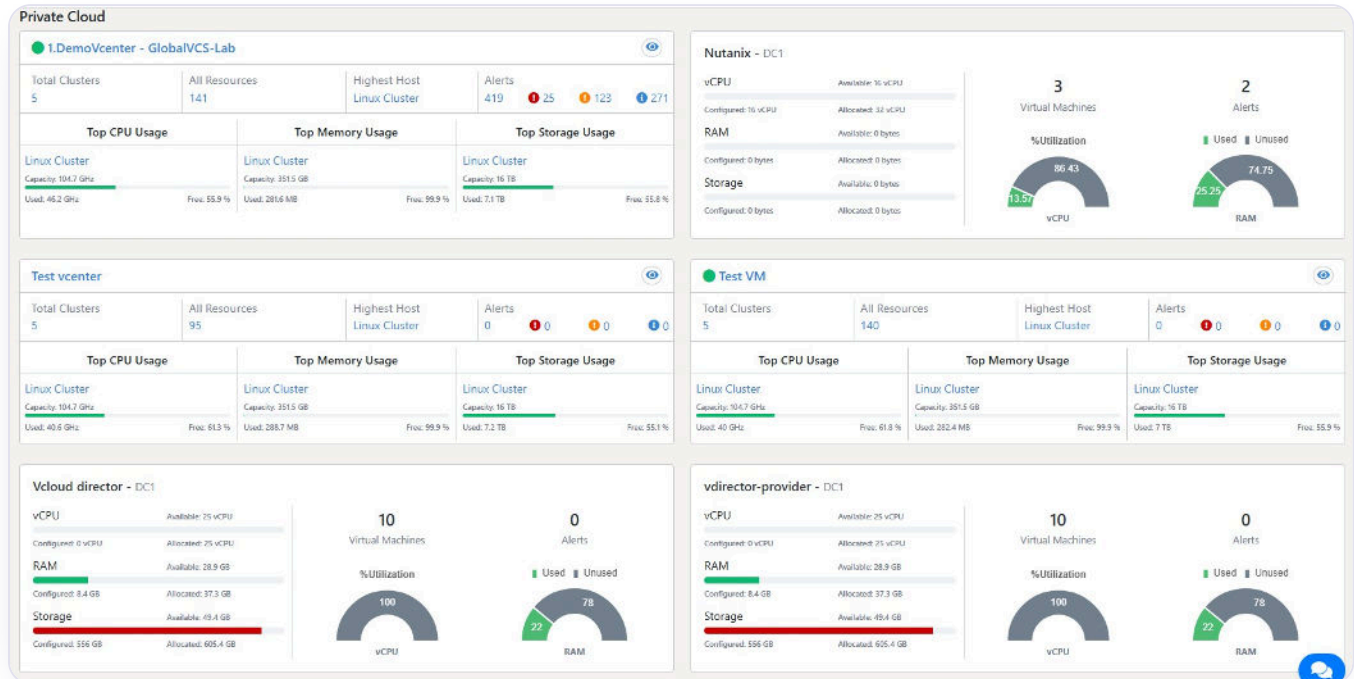
24×7 monitoring with alerting and notification.

Security tool integration

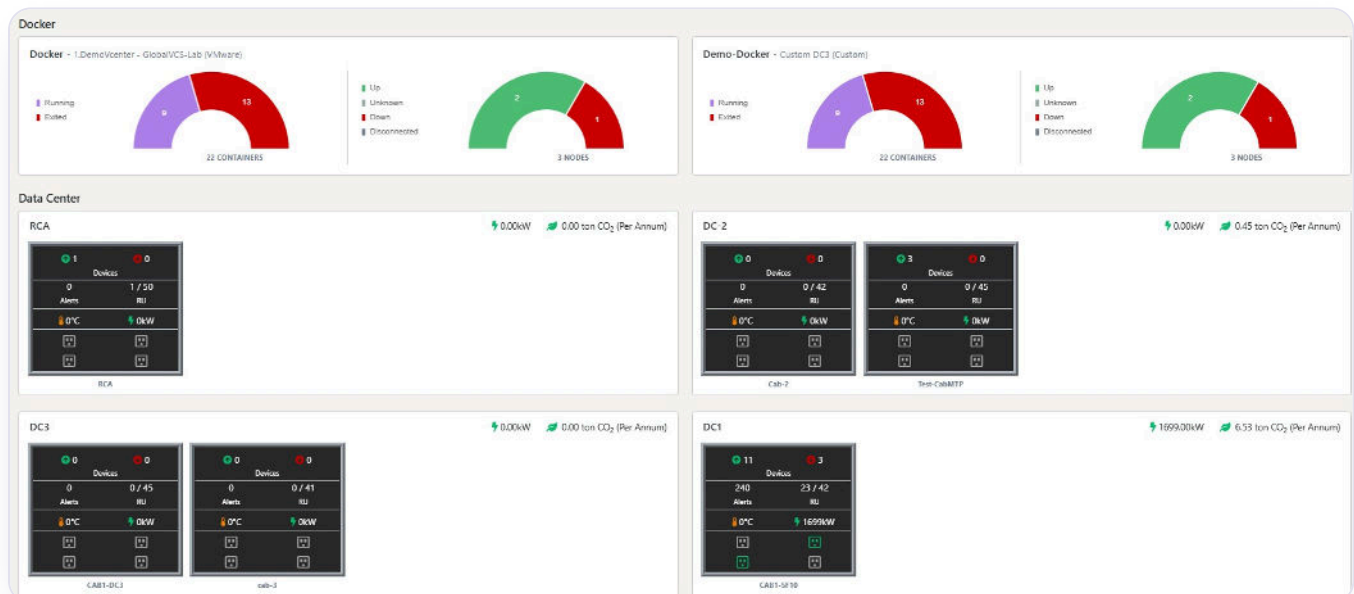
Ingest alerts and events from third-party security tools.

MULTICLOUD DISCOVERY & OBSERVABILITY

In detail



Private cloud summaries with utilization.

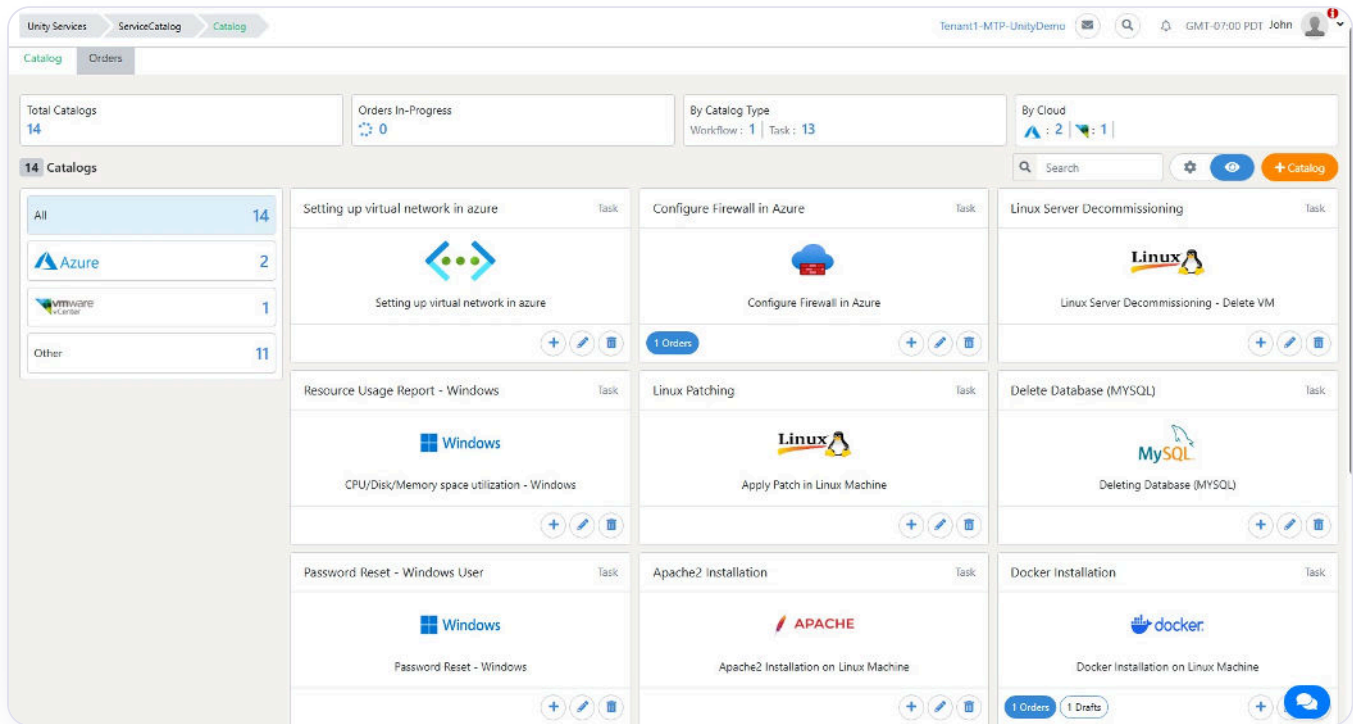


Containers and data center resources in the same view.

SELF-SERVICE CATALOG PROVISIONING

Standardize services with reusable blueprints

Publish approved service blueprints and enable governed self-service provisioning with RBAC, approvals and expiry rules.



Service catalog with approved tasks across clouds.

Catalog-based provisioning

VMs, containers and databases.

ITSM publishing

Publish catalog items to ServiceNow and BMC Helix.

Governance built in

RBAC, quota management and approval flows.

Conversational ordering

Ask the AI assistant what is available.

SELF-SERVICE CATALOG PROVISIONING

In detail

CatalogOrders

Orders In-Progress

8

0

0

By Category

Provisioning : 5 | Operational : 3

By Cloud

6

4

10 Orders

Search

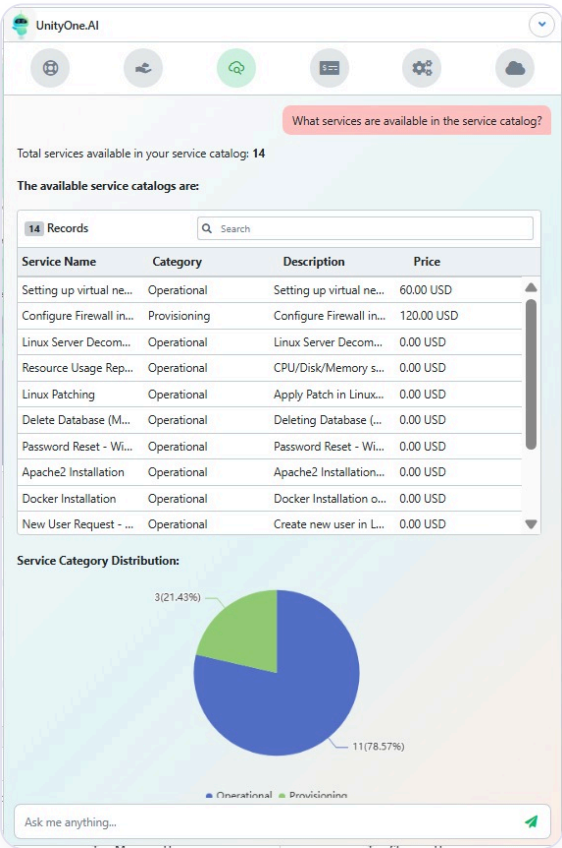
Order Type: Show 10

Order ID	Catalog Name	Ordered On	Ordered By	Ordered Cost	Order Status
OD-000024	Configure Firewall in Azure	Jan 17, 2025, 20:17:05	John Doe	\$120.00	✓
OD-000011	Docker Installation	Nov 20, 2024, 10:09:36	John Doe	\$0.00	🕒
OD-000010	VM Provisioning - Azure	Oct 31, 2024, 2:03:19	John Doe	\$0.00	✓
OD-000009	VM Provisioning - Azure	Oct 22, 2024, 0:01:05	John Doe	\$0.00	✓
OD-000008	VM Provisioning - Azure	Oct 18, 2024, 22:36:50	John Doe	\$0.00	✓
OD-000007	MySQL Installation	Oct 17, 2024, 22:16:11	John Doe	\$0.00	✓
OD-000004	New User Request - Linux	Oct 17, 2024, 22:09:46	John Doe	\$0.00	✓
OD-000003	Docker Installation	Oct 17, 2024, 22:05:53	John Doe	\$0.00	✓
OD-000002	test	Oct 10, 2024, 15:04:15	John Doe	\$100.00	🕒
OD-000001	VM Provisioning - Azure	Aug 27, 2024, 23:55:18	John Doe	\$0.00	✓

Showing 1 to 10 of 10 entries

1

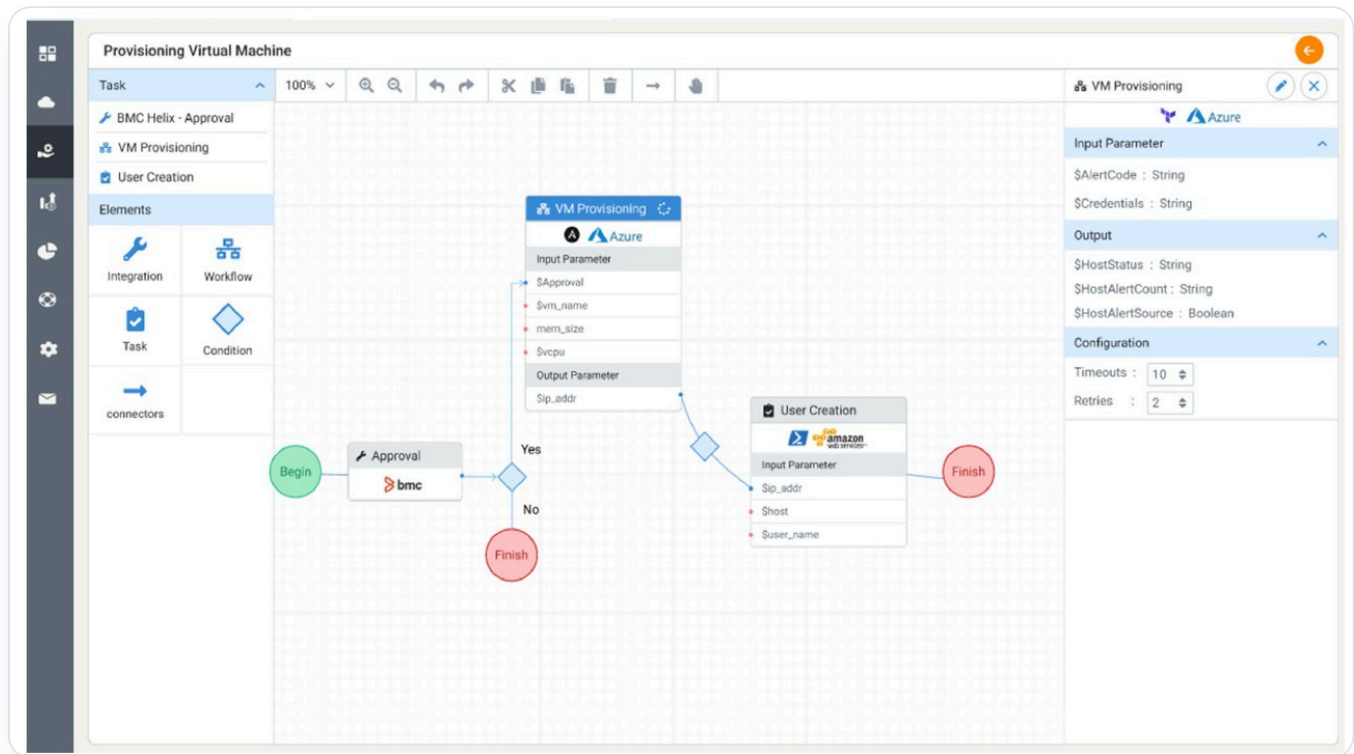
Order execution and tracking.



AGENTIC ORCHESTRATION & DEVOPS AUTOMATION

Policy-controlled workflows across clouds

Design, deploy and run multi-agent, cross-domain workflows for provisioning, configuration, remediation and change.



Composable workflow with BMC Helix approval, Azure provisioning and AWS user creation.

Visual workflow builder

Tasks, conditions, connectors and integrations.

Script support

Python, Shell and Bash, plus Ansible and Terraform.

Event-driven automation

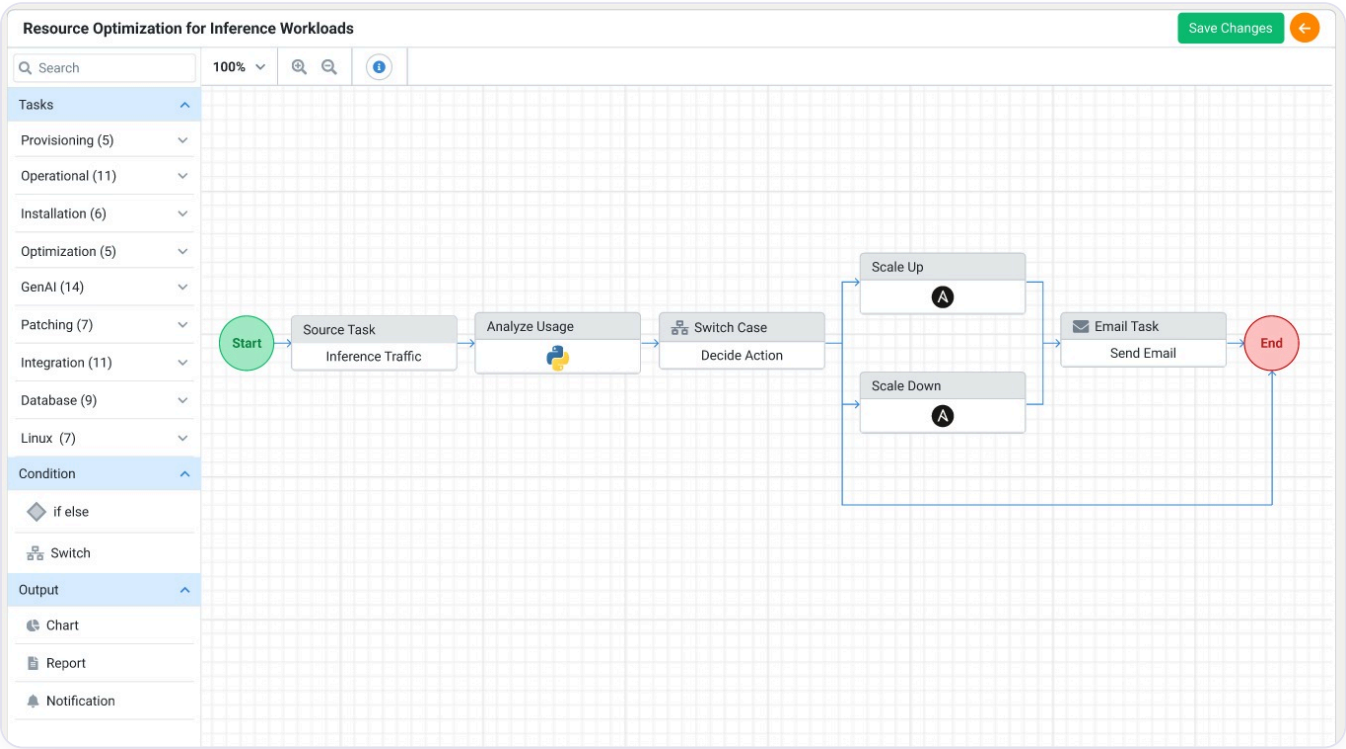
For example, CPU above 80% triggers scaling.

Reusable agents

Save workflows and run them as governed agents.

AGENTIC ORCHESTRATION & DEVOPS AUTOMATION

In detail



Auto-scaling workflow: analyze usage, then scale up or down and notify.

1.DemoVcenter - GlobalVCS-Lab

Custom DC3 Nutanix Test vcenter Test VM Vcloud director vdirector-provider

Summary All Devices Clusters Hypervisors Datastores Networks Virtual Machines

1. UnityDemo-Win-srv-2012-agent Details Graphs Create Graph Events Triggers Configuration

Add Trigger

Name* Severity* Mode

Rules*

Select Metric Last Value Is equal to Add

☐ Auto Remediation

Select Script Select Credential

Select Script Select Credential

Submit

Event triggers with auto-remediation scripts.

INFRASTRUCTURE PROVISIONING

Ready-made tasks for every major cloud

Provisioning, configuration and operational tasks for VMware vCenter, Azure, GCP and more, with execution reports.

Name	Category	Type	Source	Target Type	Status	Action
VMware vCenter VM Provisioning	VMware vCenter	Unity Default Repo	Cloud	Enable Disable	[Icons]	
2. Azure - Windows VM Provisioning in Azure	Azure - Automation	Unity Default Repo	Cloud	Enable Disable	[Icons]	
3. Azure - Linux VM Provisioning in Azure	Azure - Automation	Unity Default Repo	Cloud	Enable Disable	[Icons]	
Azure - VM Provisioning Windows (Availability Set)	Azure - Automation	Unity Default Repo	Cloud	Enable Disable	[Icons]	
Azure - VM Provisioning Linux (Availability Set)	Azure - Automation	Unity Default Repo	Cloud	Enable Disable	[Icons]	
Azure - VM Provisioning Windows	Azure - Automation	Unity Default Repo	Cloud	Enable Disable	[Icons]	
Azure - VM Provisioning Linux	Azure - Automation	Unity Default Repo	Cloud	Enable Disable	[Icons]	
GCP VM Provisioning (gpu_instance)	GCP	Unity Default Repo	Cloud	Enable Disable	[Icons]	
Install MySQL	EPC - Database	Unity Default Repo	Host	Enable Disable	[Icons]	
VMware vCenter VM Provisioning	VMware vCenter	Unity Default Repo	Cloud	Enable Disable	[Icons]	
Azure VM Provisioning	Azure - Automation	Unity Default Repo	Cloud	Enable Disable	[Icons]	

Provisioning tasks across VMware vCenter, Azure and GCP.

Group	Duration	StartTime	EndTime	OwnerID	ExecutionID	ScriptType	ScriptName	Status
VMware vCenter	09	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	10	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	11	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	12	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	13	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	14	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	15	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	16	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	17	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	18	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success
VMware vCenter	19	2023-10-26 10:22:05	2023-10-26 10:22:05	10000000000000000000	10000000000000000000	Template Script	10000000000000000000	Success

DevOps automation execution report.

Multicloud provisioning

Windows and Linux VMs, availability sets, GPU instances.

Execution history

Duration, status and owner for every run.

Approval policies

Provisioning workflows with approvals.

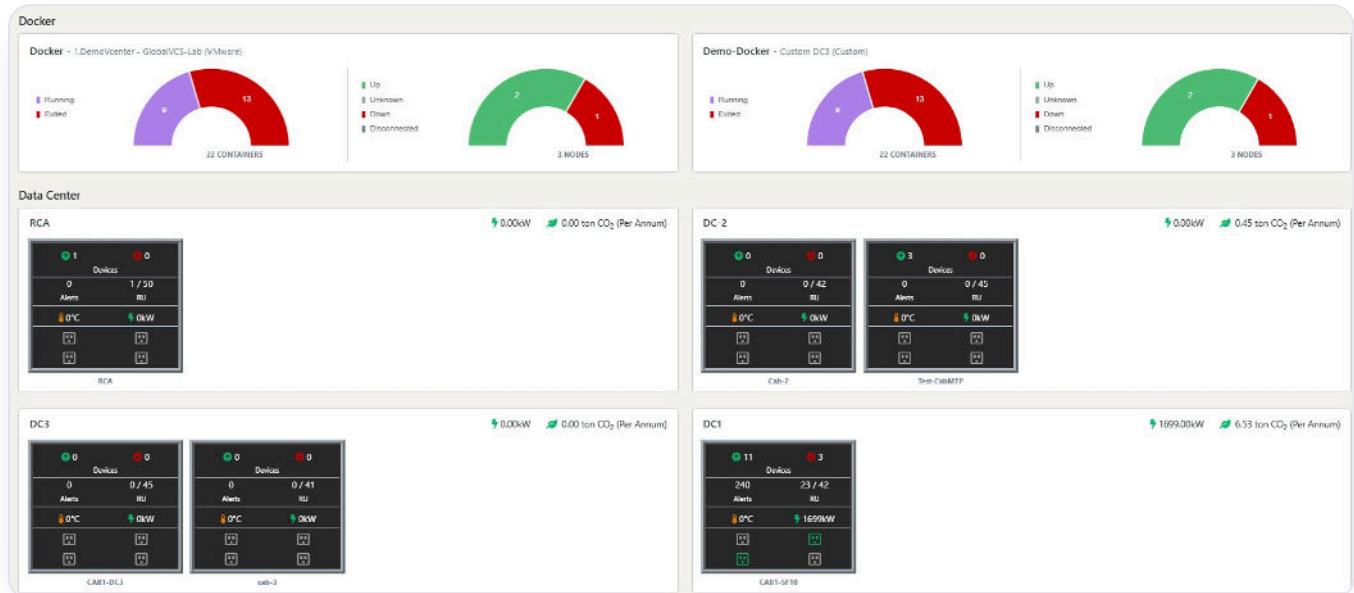
Lifecycle scripts

Archive or delete old snapshots, logs and volumes.

LIFECYCLE, WORKLOAD & CLOUD-NATIVE MANAGEMENT

Manage workloads end to end

Provisioning, rightsizing and placement through configuration control, scaling, patching and backup.



Containers and data center resources with power and carbon.

Unity Services

Prediction

Aerys



GMT+01:00 CET

Unity

39

Utilization Forecast

+ New



Q Search

Type

Status

☐	Device Name	Device Status	Total Metrics			Alert Count	Action
☐	UL-BM-SF-AD-01	Up	12			12	
☐	Forecast Metrics Name	Projection Period	Alerting	Threshold	Severity	Created On	Action
☐	CPU Utilization	30 Mins	enabled	80		12/03/2024 12:52	
☐	Memory Utilization	30 Mins	Disabled	-		12/03/2024 12:52	
☐	C:/Drive Utilization	1 Hour	Enabled	75		11/03/2024 23:12	
☐	C:/Drive Utilization	1 Hour	Disabled	-		09/03/2024 02:12	
☐	Disk Read Rate	1 Days	Enabled	05		08/03/2024 12:52	
☐	Disk Write Rate	5 Days	Enabled	10		16/03/2024 16:46	
☐	UL-BM-SF-AD-03	Down	04			11	
☐	UL-BM-SF-AD-04	Down	15			08	
☐	UL-BM-SF-AD-05	Up	14			09	

Utilization forecasts with thresholds and severity.

Smart placement

Capacity, policy, performance and cost context.

Kubernetes & microservices

Lifecycle management, including service mesh.

Predictive analytics

Usage and spike forecasts with recommendations.

Reduce drift and waste

Idle capacity and resource waste found automatically.

AI-BASED FINOPS

Turn cost data into governed action

UnityOne AI combines financial, operational, workload, utilization and business context to identify the next best action and automate approved remediation.

Cost By Cloud

Cloud Type	Cloud Name	Regions	Month To Date Cost	Estimated Cost	Resources
Google Cloud	My_GCP_Project	asia-southeast1	621.00	931.00	785
Google Cloud	Tenant1-MTP-UnityDemo...	asia-southeast1	621.00	931.00	787
Google Cloud	tenant1-gcp	asia-southeast1	417.00	432.00	2315
amazon	AWS-tenant1	ap-northeast-1	354.00	366.00	222
Azure	Azure	Intercontinental	11.00	42.00	1
Azure	azure-tenant1		2.00	48.00	143
ORACLE Cloud Infrastructure	Tenant1-MTP-UnityDemo...	us-sanjose-1	0.00	11.00	34
Azure	celery-azure		0.00	0.00	5
NUTANIX	Nutanix	San Francisco, CA, USA	0.00	0.00	3
VMware Cloud Director	vdiretor-provider	San Francisco, CA, USA	0.00	0.00	10

Cloud cost by provider and account.

36 Recommendation

Resource Name	Account Name	Region	Cloud Type	Service	Cost	Recommendation Category	Recommendation Type
i-05efef3f605bd432c	UL-vC-Acc01	San Francisco	vCenter	Virtual Machine	\$20.25	Unused Resource	CPU
config-bucket-973740096674	UL-vC-Acc02	San Francisco	vCenter	VM Instance	\$10.12	Load Balancing	New VM
db-5YKYKA7KRG26PUJEEV2EHLEE	AWS Lab 15	Oregon	AWS	AKS	\$5.27	Over-provisioned	RAM
i-05efef3f605bd432c	UL-vC-Acc01	San Francisco	vCenter	Virtual Machine	\$7.28	Unused Resource	Disk Space
i-05efef3f605bd432c	Azure Prod SF10	N. California	Azure	RDS IOPS	\$4.58	Architecture	NAT
db-5YKYKA7KRG26PUJEEV2ASLAF	AWS Lab 10	N. Virginia	AWS	EBS IOPS	\$7.25	Over-provisioned	Upgrade CPU
config-bucket-97374099663387	Azure Prod SV2	Oregon	Azure	DynamoDB	\$2.36	Unused Resource	CPU
config-bucket-977848758549	Azure Prod SV4	N. California	Azure	Container APP	\$2.68	Load Balancing	Clone VM
i-05efef3f605Jh887744596	Azure Prod SV8	N. California	Azure	S3	\$7.58	Rate Optimization	Migrate
i-05efef3f605bd6569685945	AWS Lab 10	N. Virginia	vCenter	Database	\$2.56	Architecture	Bandwidth

Rightsizing and idle resource recommendations.

Anomaly detection

Unusual spend flagged as it happens.

Chargeback & showback

Costs allocated to teams and services.

Idle resource rules

For example, CPU under 3% and network I/O under 5 MB for 14 days.

Automated remediation

Approved fixes run with governance.

POLICY & GOVERNANCE

Centralized policy, identity and compliance guardrails

Apply the same rules everywhere and get alerts automatically when they are broken.

25 Policy

+

Policy

Q Enter Keyword

Name	Type	Scope	Alerting	Notification	Status	Action
Policy 1	Resource Quota	Group	Enable Disable	Enable Disable	Enable Disable	
Policy 2	Auto-Scaling	Cloud	Enable Disable	Enable Disable	Enable Disable	
Policy 3	Tagging and Naming	Organization	Enable Disable	Enable Disable	Enable Disable	
Policy 4	Security Compliance	Tag	Enable Disable	Enable Disable	Enable Disable	
Policy 5	Cost Control	Organization	Enable Disable	Enable Disable	Enable Disable	
Policy 6	Image and Template	Cloud	Enable Disable	Enable Disable	Enable Disable	
Policy 7	Geographic Deployment	Cloud	Enable Disable	Enable Disable	Enable Disable	
Policy 8	Security Compliance	Group	Enable Disable	Enable Disable	Enable Disable	
Policy 9	Tagging and Naming	Tag	Enable Disable	Enable Disable	Enable Disable	
Policy 10	Resource Quota	Organization	Enable Disable	Enable Disable	Enable Disable	

<

1

2

3

>

Policy list with type, scope, alerting and status.

UNITYONE AI

Policy Create Policy

Acme

Unity

Unity View

Unity Cloud

Unity Services

Cost Analysis

Unity Report

Support

Unity Setup

User Management

Onboarding

Integration

Monitoring

AI/ML Event Management

Cost Plan

Budget

Policies

Create New Policy

Policy Name*

Description*

Policy Type* Resource Quota

Scope* Select Scope Select Scope Manifest

Alerts On 1

Max CPU 1

Max Memory 0.2 1GB

Alert Storage 00 GB

Cancel Create

Create a resource quota policy.

Policy types

Quota, auto-scaling, tagging, security, cost, image, geography.

RBAC & identity

Role-based access and identity integration.

Scopes

Organization, group, cloud or tag.

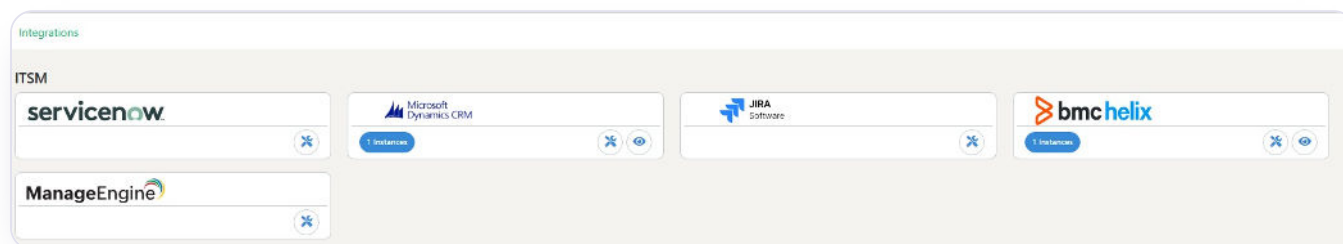
Violation triggers

Automatic alerts when rules are broken.

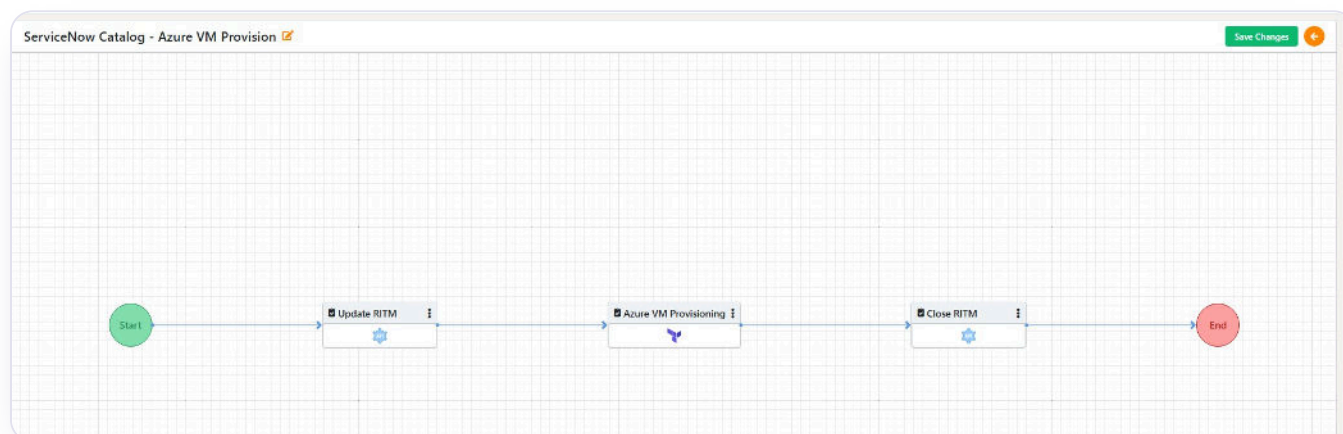
ITSM, CMDB & INTEGRATIONS

Connect cloud operations to your ITSM

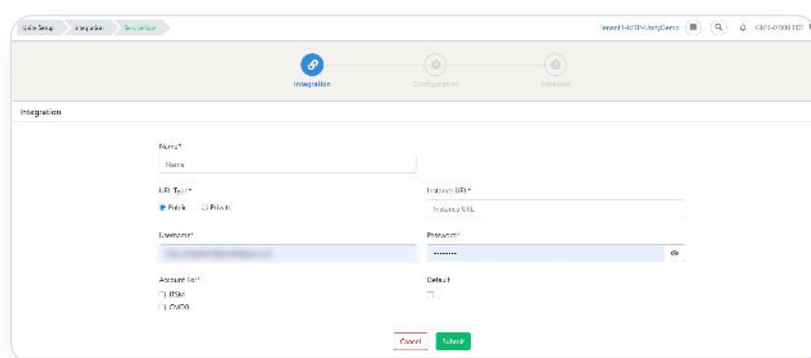
Bi-directional integration for service catalog publishing, incident management and CMDB synchronization.



ITSM integrations.



ITSM workflow: update request, provision Azure VM, close request.



Add an ITSM or CMDB integration.

ITSM

ServiceNow, BMC Helix, Jira, ManageEngine, Microsoft Dynamics CRM.

Security & identity

SIEM and identity management integrations.

CMDB sync

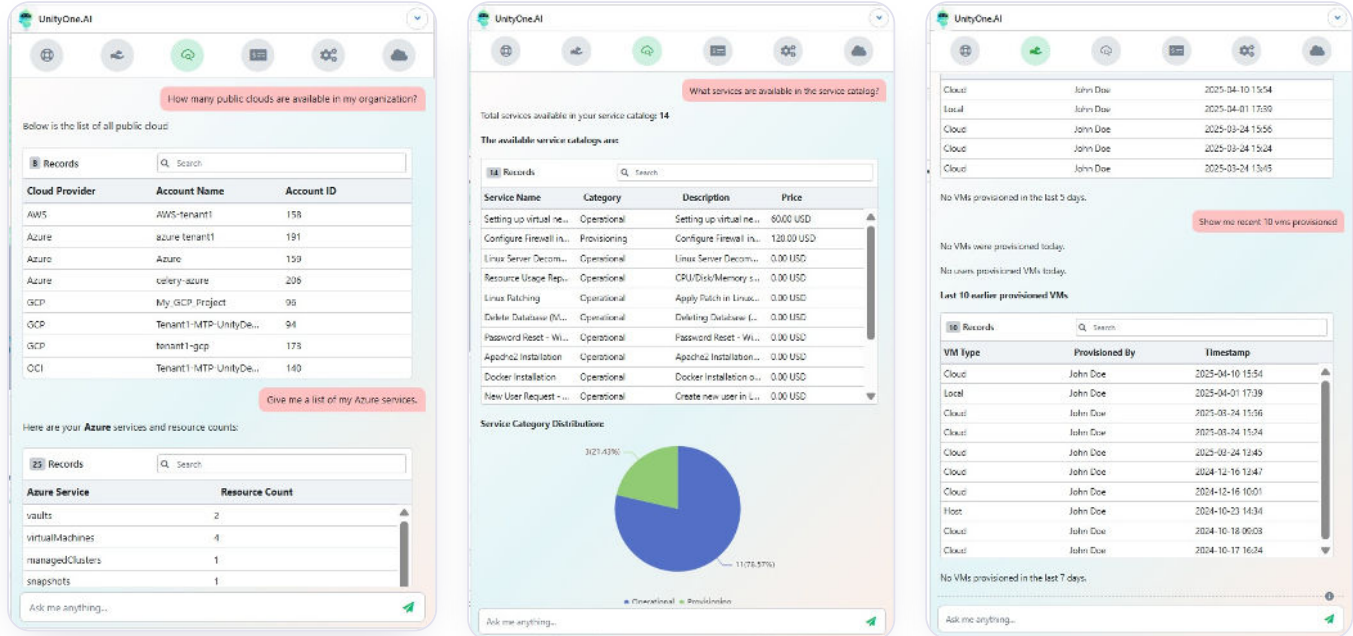
Real-time asset inventory, change tracking and impact analysis.

DevOps

Ansible, Terraform, Jenkins and scripts.

GENAI ASSISTANT & AGENTIC AI

Ask your hybrid cloud anything



An enterprise AI assistant powered by a private LLM, with specialized ops agents and human-in-the-loop governance.

Conversational insight

Clouds, services, catalog and provisioning history.

Agent Builder

Create agents with a no-code or low-code model.

Specialized agents

Network, compute, database, FinOps and ITSM.

Private and governed

Private LLM, approvals and a full audit trail.

Technical specifications at a glance

What Cerne™ HCMP supports and how it is deployed.

Area	Specification
Private cloud	VMware vCenter, vCloud Director, Nutanix, OpenStack, Proxmox, Microsoft Hyper-V, Azure Stack, Scale Computing
Public cloud	AWS, Microsoft Azure, Google Cloud, Oracle Cloud (OCI)
Containers	Kubernetes, Docker, VMware Tanzu; service mesh: Istio, AWS App Mesh, Anthos Traffic Director
Provisioning	Catalog-based VMs, containers and databases; RBAC, quotas, approvals, expiry rules
Automation	Composable low-code/no-code workflows; Python, Shell, Bash; Ansible, Terraform, Jenkins
Governance	Policies: resource quota, auto-scaling, tagging and naming, security compliance, cost control, image and template, geographic deployment
FinOps	Cost modeling, allocation, chargeback/showback, anomaly detection, recommendations, budgeting, forecasting
Observability	Infra, cloud, application, AI workload and security; AI/ML correlation and RCA; auto remediation
Integrations	ServiceNow, BMC Helix, Jira, ManageEngine, Microsoft Dynamics CRM; SIEM; identity management
AI	Private LLM assistant, specialized agents, Agent Builder, multi-agent orchestration, HITL approvals
Deployment	SaaS or on-premises; multi-tenant; persona-based dashboards

CUSTOMER STORY

Leading financial services company consolidates hybrid cloud ops and cuts overhead by 60%

The challenge

- ❗ Weeks-long lead times for environments and application stacks
- ❗ Inconsistent security, tagging and compliance across clouds
- ❗ No unified view of workloads, policies or operational actions
- ❗ Operators overloaded with manual cross-tool coordination

The solution

- ✓ AI-powered multicloud discovery and contextual intelligence
- ✓ Service catalog with conversational self-service and approved blueprints
- ✓ Agentic orchestration for provisioning, configuration and lifecycle actions
- ✓ Centralized policy, identity and compliance guardrails
- ✓ Integrated ITSM, CMDB, monitoring, backup and identity systems

60%

Reduction in operational overhead

As published on unityone.ai.

Results

- ✓ Faster, more consistent service delivery
- ✓ Reduced operational burden and error risk
- ✓ Stronger security and compliance posture
- ✓ Greater visibility and control for leaders

GET STARTED

See Cerne™ HCMP in action

Explore the platform hands-on in the UnityOne AI Playground, or talk to our team about your private cloud, public cloud and Kubernetes estate.

▶ [Enter Playground](#)

✉ [Contact Us](#)

Email: contact@unityone.ai · Playground: cerne.unityone.ai · Sales: unityone.ai/contact-us