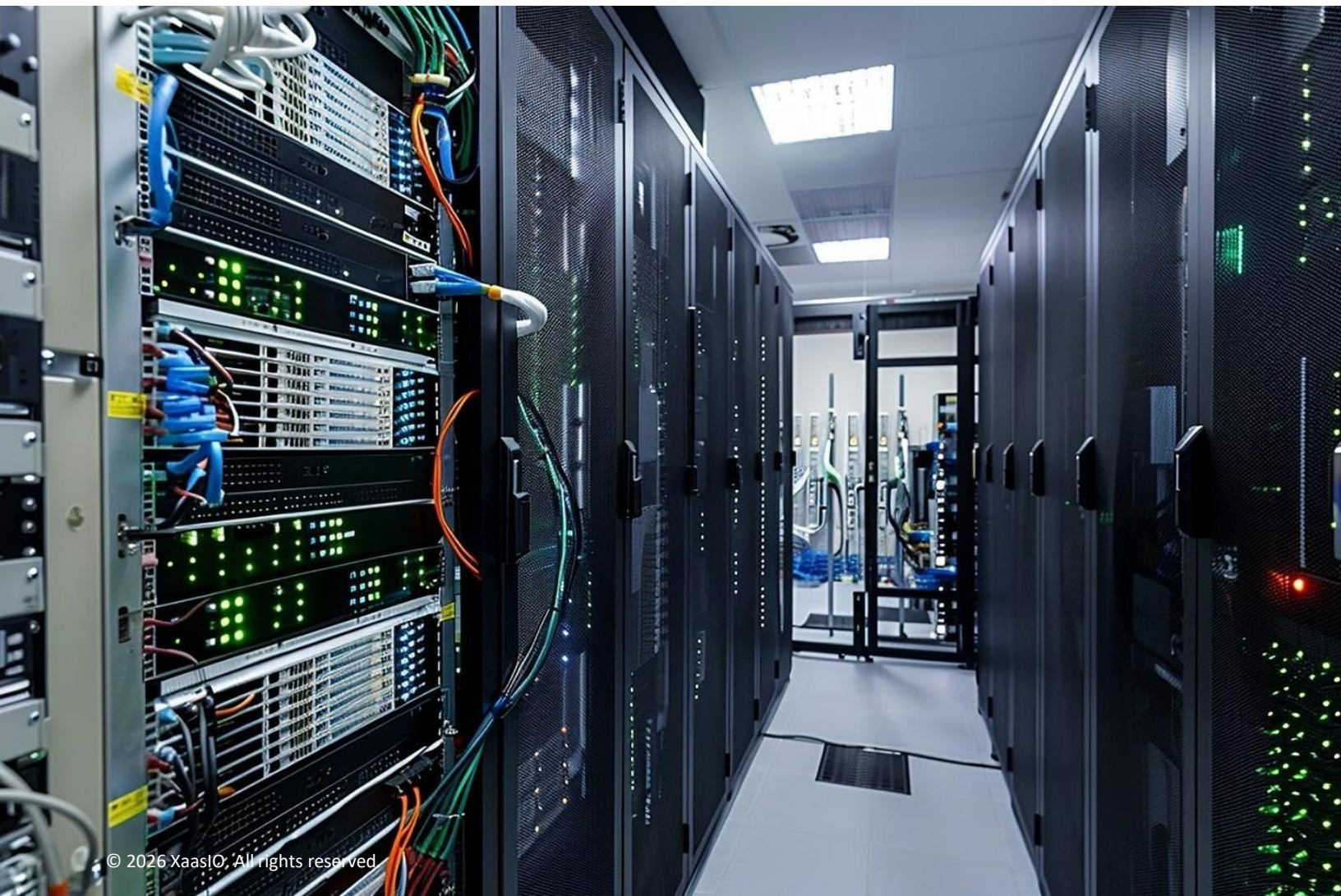


XaasIO Virtualization Platform

XaasIO Compute powers the infrastructure supporting monitoring for 4,000+ CCTV cameras

A standards-based private cloud on KVM, integrated with external Dell storage and VLAN-based networking, provided a scalable infrastructure foundation for surveillance, video-management and related smart-city workloads.



PLATFORM OVERVIEW

Operate - Unified VM Operations

Provision, clone, template, snapshot, resize, migrate, protect, and retire virtual machines through one operational plane.

Control - Private and Air-Gapped

Deploy inside customer-controlled data centers, sovereign environments, and disconnected networks without a SaaS dependency.

Modernize - Open Foundation

Use KVM and open infrastructure components with enterprise support, lifecycle management, and validated deployment practices.

DEPLOYMENT ARCHITECTURE

Existing Shared Storage - Converged Virtualization

Run KVM-based compute with supported enterprise SAN or NAS storage infrastructure. This approach lets you preserve prior storage investments, retain established multipathing configurations, and continue leveraging the operational processes and data-protection workflows.

Software-Defined HCI - Ceph-Powered Hyperconverged

Combine KVM compute and Ceph-based software-defined storage in a fully hyperconverged model. Scale capacity by adding nodes and design resilience around hosts, racks, failure domains and distributed storage devices.

ONE PLATFORM | TWO INFRASTRUCTURE MODELS

Modernize virtualization without being forced into a proprietary HCI or cloud architecture.

CORE VIRTUALIZATION CAPABILITIES

Operate long-lived enterprise VMs with the controls infrastructure teams expect and the automation modern platforms require.

VM Lifecycle Management

Create, clone, import, template, snapshot, resize, migrate, suspend, restart, and retire Windows and Linux VMs.

Storage Flexibility

Use external SAN/NAS or Ceph-backed block storage with policy-based placement, capacity visibility, and expansion options.

Identity and Access Control

Integrate Active Directory or LDAP, federate SSO through XaasIO IAM, enforce MFA, and apply role-based administration.

Monitoring and Observability

Monitor hosts, VMs, capacity, events, logs, and service health through native telemetry and optional XaasIO MLT.

High Availability and Live Migration

Restart protected VMs after host failure and move compatible running workloads during planned maintenance.

Software-Defined Networking

Define workload networks, VLAN/VXLAN segmentation, security policies, routing, load balancing, and optional NFV services.

Automation and APIs

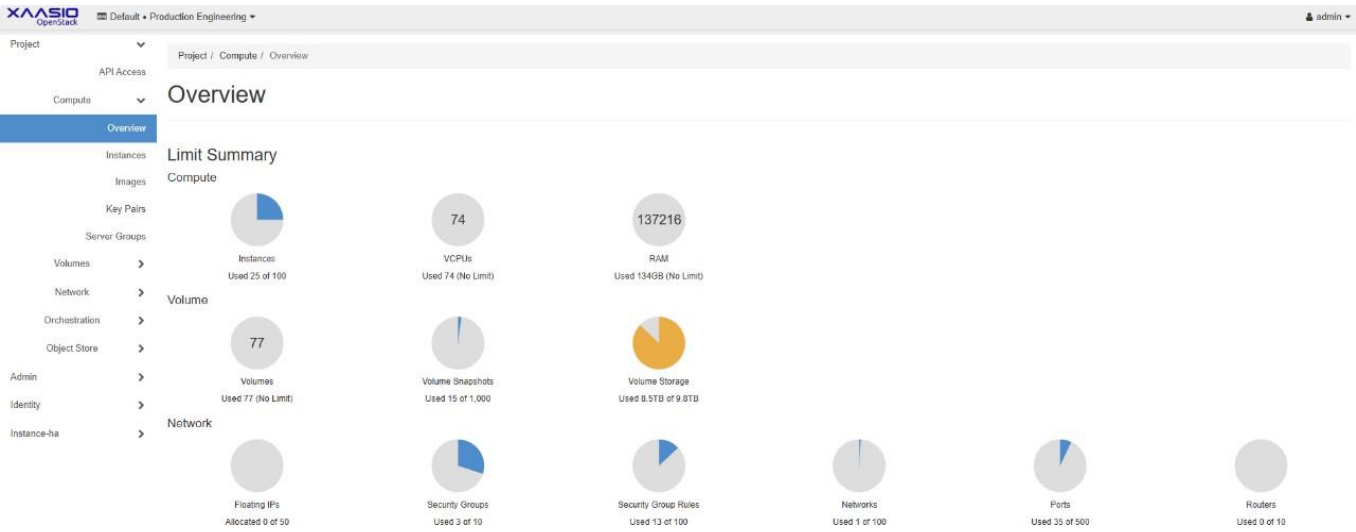
Standardize provisioning and Day-2 operations using APIs, workflows, templates, AWX/Ansible, and optional XaasIO CMP.

Backup and DR Integration

Coordinate snapshots, backup tooling, recovery runbooks, and optional XaasIO DR/BC while keeping HA, backup, and DR distinct.

ENTERPRISE OPERATIONS AND INTEGRATION

Optional platform integration: XaasIO CMP for multicloud governance and automation; XaasIO MLT for monitoring, logs, and service health; XaasIO IAM for SSO and RBAC; XaasIO NFV for network services; and XaasIO DR/BC for recovery orchestration.



A CONTROLLED PATH FROM VMWARE TO XAASIO VIRTUALIZATION

Migrate in governed waves with workload discovery, compatibility validation, pilot testing, rollback planning, and structured stabilization.

- Assess - Inventory workloads, networks, storage, dependencies, and constraints.
- Design - Define clusters, storage, networking, IAM, security, backup, and support.
- Pilot - Validate representative workloads, tooling, performance, cutover, and rollback.
- Migrate - Execute approved waves, verify each workload, and maintain change records.
- Stabilize - Tune, document, hand over runbooks, and transition to steady-state operations.

OPERATING MODELS

- Architecture, sizing, and validation
- Migration factory and deployment services
- Runbooks, knowledge transfer, and training
- SLA-based support and managed operations options provided

COMPONENT MAPPING

VMWARE	XAASIO
VMware vSphere / ESXi	XaasIO KVM hosts
vCenter	XaasIO centralized management
vMotion / HA	Live migration / high availability
vSAN	Ceph software-defined storage
External SAN / NAS	Retained converged storage
NSX	XaasIO NFV / SDN integration
Aria / vRealize	XaasIO CMP + XaasIO MLT
VMware SRM	XaasIO DR/BC integration

Final design and feature mappings confirmed during assessment. Optional XaasIO modules may be required for specific operational, networking, observability, or recovery outcomes.

SOFTWARE SUPPLY CHAIN ASSURANCE

- Upstream SBOM and XaasIO Release SBOM
- SPDX or CycloneDX format
- Component, dependency, and license inventory
- Known-vulnerability visibility and remediation status
- Artifact provenance and signing evidence.
- Release-specific documentation and support lifecycle

Private data centers | Regulated industries | Sovereign and air-gapped environments

XAASIO VIRTUALIZATION PLATFORM

Modernize enterprise VM operations without being forced into a proprietary architecture.

Run Windows and Linux workloads on KVM with centralized management, high availability, live migration, and a choice of converged or Ceph-powered hyperconverged infrastructure.

Explore the Platform at xaasio.com/platform/virtualization/

Book an OpenStack architecture workshop at xaasio.com/contact/

Learn more at xaasio.com

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