



## Virtualization Platform for Modern Data Centers

nSSV is the server virtualization platform that provides software-defined compute and networking with a hardware-independent architecture. It is designed for those seeking an open, efficient solution with advanced enterprise-grade features. With nSSV, you can manage VMs, networks, and security on existing physical hosts without being tied to proprietary hardware.

### Total Flexibility

A single platform able to adapt to different scenarios. nSSV grows with infrastructure needs, without rigid constraints.

### Unified Experience

A clear and customizable console to keep resources, performance, and security under control, reducing daily complexity.

### Operational Intelligence

Automation of critical processes and proactive monitoring turn management into a fast and predictable activity.

### Security and Continuity

Built-in data protection and high service availability to ensure resilience, rapid recovery, and constant trust in the infrastructure.

Thanks to its enterprise-grade design and comprehensive APIs, nSSV enables the management and automation of complex environments, simplifying daily operations while ensuring high performance, service continuity, and advanced security.

## Architecture & Openness

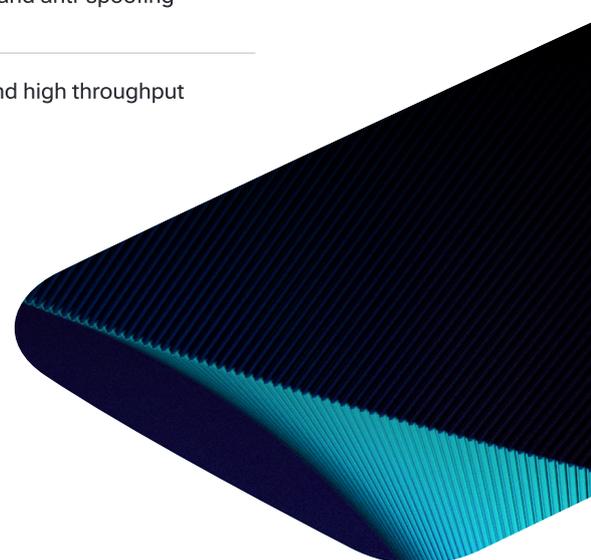
- 
- Optimized KVM hypervisor with x86/ARM support
- 
- Public RESTful APIs for IaC integration
- 
- Fast deployment, unified web console, intuitive UI

## Virtualization & Compute

- 
- VM creation, live/cold migration, and cloning
- 
- Fast snapshots and instant restores
- 
- CPU pinning, vCPU and RAM hot-plug
- 
- GPU passthrough and vGPU

## Virtualization & Network

- 
- Distributed switch and port groups
- 
- 802.1Q VLANs, integrated DHCP/DNS
- 
- Security groups with distributed firewall and anti-spoofing
- 
- OVS-DPDK and SR-IOV for low latency and high throughput



## Reliability & Resilience

- 
- Multi-level HA for VMs
- 
- DRS clusters with load balancing
- 
- Fault detection and automatic recovery
- 
- Operational continuity even in critical scenarios

## Data Protection & Recovery

- 
- Local/remote backups with retention policies
- 
- Granular restores to existing or new VMs
- 
- Recycle Bin and deletion protection

## Security & Compliance

- 
- RBAC and custom roles
- 
- SSO via OIDC, AD, and LDAP
- 
- Secure access with 2FA, policies, and certificates
- 
- Centralized auditing and detailed logs

## Operations & Observability

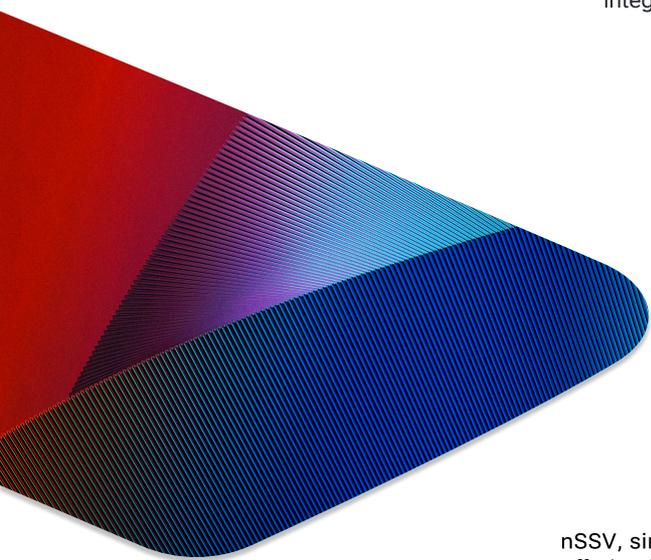
- 
- Single console for VMs, clusters, hosts, and storage
- 
- Custom tags and attributes
- 
- Reporting with CSV exports
- 
- Alarms and notifications with integration options

## Expansion & Adaptability

- Unified management of clusters, hosts, VMs, and bare-metal instances from a single console
- Elastic scalability across environments, from lab to enterprise data center
- Seamless integration of new resources without operational interruptions

## Smart Operations

- Automated provisioning, migration, and scheduling with dynamic policies
- Proactive monitoring of performance, capacity, and service health
- Reduced operational time thanks to guided workflows and integrated tools



nSSV, simple and secure, integrates physical and virtual resources into a single console, offering intelligent automation, advanced data protection, and proactive monitoring tools. This way, enterprises reduce operational complexity and prepare their infrastructure to grow in a stable, reliable, and resilient way.

### True Flexibility

Centralized management of heterogeneous environments: VMs and storage. Multi-cluster and multi-datacenter support, without technology lock-in.

### Governance

Dynamic scheduling policies and DRS, automated provisioning, and orchestration tools to simplify operations.

### Continuous Protection

HA for VMs and clusters, advanced snapshots, local/remote backups to ensure service continuity.

### Advanced Storage

Support for local storage, SAN (iSCSI/FC/NVMe), NFS, and distributed storage, with replication options, thin provisioning, and integrated monitoring.