Supported Platforms

Microsoft Azure

Hyper-V
- Windows Server 2019
- Windows Server 2016
- Windows Server 2012 R2

Hybrid Cloud Configurations

Use Cases:

- Private Cloud
- Public Cloud
- Hybrid Cloud
- Service Providers

Under the Hood

Agentless Management
Lightweight, agentless technology prevents anything from running in the VM, so performance is always optimized

Multi-Version Cloud Support
Different versions of Hyper-V, like Windows Server 2012, 2016 and 2019 can be managed centrally alongside Azure

Distributed Architecture
Manage multiple hybrid cloud deployments from a centralized console and set of management servers

Simplified Networking
Supports management of SDN, virtual switches and MAC address pools

Automatic Detection
Active Directory is automatically searched for nodes and clusters

PowerShell Support
Command IDs are provided after each operation, so you can automate easier

Reporting
VM Lifecycle Management including VM Sprawl Usage, Zombie VM detection, Static and Dynamic Memory Usage plus more

Why Choose 5nine Cloud Manager

5nine Cloud Manager helps you get the most out of your cloud investments. Here are just a few reasons why you should consider 5nine Cloud Manager for your public, private and hybrid cloud environments:

CENTRALIZES control of large, multitenant and decentralized public, private and hybrid cloud environments

5nine Cloud Manager
Unified Hybrid Cloud Manager

5nine Cloud Manager is the only platform to provide unified public, private and hybrid cloud management, migration, monitoring, backup and recovery for the Microsoft Cloud from a single, easy-to-use and cost-effective access point. Our platform eliminates the need for point solutions and non-integrated tools, each with a different interface and learning curve, dramatically reducing the complexity inherent in managing your decentralized cloud environments and allowing you to reduce IT costs, achieve peak performance and satisfy customer and employee demand.

Simplify Management of Your Hybrid Cloud

5nine Cloud Manager standardizes hybrid cloud lifecycle operations across your organization, so you can get more work done in less time. View and manage tenants, hosts, clusters, virtual machines, and resources across your public, private and hybrid cloud environments from a single, centralized console.

- **VM Lifecycle Management:** Centrally create, configure, manage and maintain VMs across all servers and public, private and hybrid cloud environments without having to manually remote into separate instances.

- **Logical View Grouping:** Manage and monitor related resources across large, distributed and previously decentralized cloud environments from a single, logical tree.

- **Storage File Explorer:** Remotely access local, network and cluster storage and create, delete, rename, copy and paste storage objects.

- **SDN Deployment & Management:** Simplify network and topology definitions by configuring network resources from our centralized console. Perform operations on SDN objects across multiple layers, enter major SDN parameters and use special SDN deployment scripts to deploy SDN infrastructures.

- **Virtual Switch and MAC Address Management:** Create, edit and delete virtual switches and MAC address pools.

- **Replicate Hyper-V VMs into Azure:** Select VMs to replicate to Azure based on frequency, coverage period and other configuration settings.

- **Syslog Integration:** Benefit from the ability to export Syslog Jobs data to an external Syslog server.

Monitor All Your Clouds From a Single Console

Gain complete and continuous visibility into your hybrid cloud. 5nine Cloud Manager allows you to track key cloud performance indicators and resources across hosts and VMs, eliminating the need to remotely log in to different instances. Our platform sends you alerts when predefined events occur and proactively optimizes your virtual network, allowing you to maximize resource usage, achieve peak performance and quickly discover issues before they cause downtime.

- **Performance Monitoring:** Monitor all VMs, hosts, clusters and alerts from a single, centralized console.

- **Dynamic Optimization:** 5nine Cloud Manager can perform automatic, dynamic load balancing between hosts according to your unique needs, including cluster groups, shared storage groups, and mixed groups of different kinds of hosts.

- **Capacity Planning:** 5nine Cloud Manager use past performance data to accurately forecast future performance. This allows you to quickly identify future bottlenecks, troubleshoot solutions, and cover all your bases.

- **Customizable Notifications:** Configure customizable, email-based resource alerts for physical and virtual performance parameters and event alerts for native Microsoft events.

Accelerate Your Cloud Migration With Enterprise-Grade Speed, Scale and Flexibility

5nine Cloud Manager dramatically reduces the time and effort needed to perform public, private and hybrid cloud migration projects of virtually any complexity. Our platform empowers you to automatically and simultaneously migrate virtual machines across hosts without the use of intrusive, performance sapping agents.

- **Live Migration:** Migrate multiple active (running) VMs between nodes or across your environments without having to switch them to a saved state, thus losing access.

INCREASES operational efficiency and eliminates disparate interfaces and management complexity

STRENGTHENS business continuity and provides reliable and secure computing for your business

SIMPLIFIES virtual machine lifecycle management

OPTIMIZES performance and efficiency throughout your cloud infrastructure

ENSURES IT independence and agility with support for SDN

MITIGATES security and privacy risks by limiting administrative access to your virtual machines, hosts and tenants

EMPOWERS you to quickly recover and limit damage from disasters or misconfigurations

LOWERS total cost of ownership by eliminating the need for point solutions and tools

"The right fit for your business may require a well-balanced blend of private and public cloud environments. Until now, each required its own unique tools for configuration, maintenance, monitoring and security-compounding complexity and overhead. Instead, the 5nine platform empowers you to approach your hybrid cloud as a single enterprise that is scalable, extensible and agile."

– William Fellows,
451 Research

- **Quick Migration:** Migrate VMs to another node or across your environments as quickly as possible. Active (running) VMs are temporarily paused until migration is complete.

- **Shared Nothing Migration:** Migrate VMs, with or without associated storage, to another host. 5nine Cloud Manager also allows administrators to move a VM's storage by itself to another location, either on the same server or on shared storage.

- **Azure Migration:** Seamlessly import Hyper-V VMs to Azure.

Protect Your Critical Workloads With Enterprise-Grade Backup and Recovery

5nine Cloud Manager's powerful, integrated suite of backup, recovery and replication capabilities ensures your virtual networks are always available. Our platform allows you to backup and recover critical workloads to and from the private, public and hybrid cloud on your schedule.

- **On-Demand & Scheduled Backups:** Create full and incremental backups, including VMs running on Server Message Block (SMB), and manage retention policies from a single, centralized console.

- **Replication & Disaster Recovery:** Replicate VMs to Azure or a secondary location (replica site) across a WAN link. Our platform allows you to monitor replication health and perform replication failover testing.

- **Retention Management:** Determine the length backups are retained and the number of restore points used.

- **Full & File-Level Restores:** Restore full VMs or view, download and restore files stored within your VMs.

- **Configurable Encryption and Compression:** Control the level of encryption used for your backups, including type and encryption key, and the size of your backup files, including compression levels and block sizes (MB).

Control and Limit Access to Your Hybrid Cloud Environments

Prevent costly and embarrassing errors, misconfigurations or malicious access without impacting performance or data accessibility. 5nine Cloud Manager ensures clear separation of duties by giving you complete control over access to your virtual machines, hosts and tenants and administrative functionality, allowing you to effortlessly meet strict security, privacy and compliance requirements.

- **Multitenant Infrastructure Management:** Define access on a tenant-by-tenant basis and granularly control which resources are available for management. Users only have access to the tenants and resources they are assigned, ensuring your environment meets separation requirements for various administrative models.

- **Role-Based Access Control:** Limit which resources can be viewed and what operations can be performed by users, administrators and tenants with customizable roles.

- **Advanced Virtualization Security:** Built-in network and security monitoring and user-friendly remote management capabilities eliminate the need for VPNs, remote network access solutions or complex permission management services.

About 5nine

5nine delivers a powerful, integrated and scalable solution for optimizing and securing workloads across the Microsoft cloud – public, private or hybrid – for administrators, information technology leaders and service providers who need more control and visibility of decentralized cloud environments. Beyond disparate tools and point products in use today, 5nine offers a seamless, elegant approach to unifying cloud migration, management, monitoring, backup and security, increasing efficiency and boosting productivity, at exceptional value. By accelerating your cloud capabilities, 5nine empowers you to focus on what matters most – building your business by maximizing your investment in the Microsoft cloud

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Microsoft Partner
Gold Datacenter
Silver Cloud Platform

Microsoft

Windows Server 2012 R2 Certified

Windows Server 2016 Certified

Windows Server 2019 Certified

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