

HOSTING SERVICES

Savvis Dedicated Cloud Compute Configuration Options



Virtualization Delivers Higher Levels of User Flexibility

Savvis is an industry leader in developing and implementing virtual private networking, utility compute, storage and security solutions that leverage virtualization technology. We've collaborated with VMware®, the global leader in virtualization solutions from the desktop to the data center, to deliver a managed dedicated virtualization service ideally suited for companies that want the flexibility to add compute instances quickly to meet rapidly evolving IT requirements.

Savvis Dedicated Cloud Compute is a highly scalable and flexible managed dedicated hosting service based on VMware Infrastructure Enterprise, HP ProLiant servers and fault-tolerant SAN-based storage. The platform allows a single physical server to be partitioned into multiple self-contained virtual machines on-demand through the SavvisStation Portal. Each instance can support its own operating system (OS) and set of applications to meet your needs. As a result, you can consolidate the total number of physical servers into a smaller number of virtual machines running on a much smaller number of physical dedicated servers. With the ability to add instances as you need them through our SavvisStation Portal, you'll find that Savvis Dedicated Cloud Compute will allow you to drastically improve the cost and operational efficiency of your hosting environment. In addition, our hosting architecture is highly fault tolerant with redundancy built in to the data center, network and storage infrastructure. With Savvis Dedicated Cloud Compute you can also add fault-tolerant server node and instance failover capability with up to a 99.9% uptime guarantee.*

*For server node failover and 99.9% SLA, a minimum of 2 Savvis Dedicated Cloud Compute nodes must be placed within the same failover group.

Savvis Dedicated Cloud Compute Configuration Options




To deliver the advantages of HP server and blade options for reliable, scalable, enterprise-grade computing, Savvis Dedicated Cloud Compute is available in four HP ProLiant DL-based server configurations and four HP c-Class-based BL server blade configurations.

HP DL series servers offer two- and four-socket Intel® or AMD quad-core processor options, while the HP BladeSystem c-Class provides improved economies of scale for larger node deployments.

The Savvis Advantage

- Savvis Dedicated Cloud Compute supports both HP DL and c-Class servers
- HP BladeSystem c-Class option provides material service savings with larger node deployments
- Supports both Intel and AMD CPUs with up to two speeds per server
- Leverages Utility Storage SAN-based service for instance storage

Savvis Dedicated Cloud Compute Nodes

		Intel	AMD	
HP ProLiant Servers	2 socket Servers (8 CPU cores)	HP DL380	HP DL385	
	4 Socket Servers (16 CPU cores)	HP DL580	HP DL585	
HP c7000 BladeSystem	2 Socket Blades (8 CPU cores)	HP BL460c	HP BL465c	
	4 Socket Blades (8 CPU cores)	HP BL680c	HP BL685c	

Savvis Dedicated Cloud Compute HP DL-based server includes:

- Dual Fibre Channel host bus adapters (HBAs) and Savvis Utility Storage connections to the Storage Area Network (SAN)
- Two Gigabit Ethernet Hosting Area Network (HAN) interfaces for customer traffic; a third Gigabit Ethernet interface is included for Savvis management
- Redundant power supplies

Savvis Dedicated Cloud Compute HP BL-based server blade includes:

- A single Fibre Channel HBA with dual ports within the blade for dual connectivity to the Virtual Connect Fibre Channel modules in the HP c7000 chassis
- Each HP c7000 chassis includes two Gigabit Ethernet HAN interfaces for customer traffic and two Fibre Channel interfaces for Utility Storage services; additional Ethernet and Fibre Channel uplinks are available

Savvis Dedicated Cloud Compute Node Options

HP DL380 G5	
CPU Speed	3.00 GHz Quad-Core Intel® Xeon® E5450 or 2.33 GHz Quad-Core Intel Xeon E5410 (Harpertown)
CPU Capacity	2 processors, 8 cores
RAM Configurations	4, 8, 12, 16 or 32 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP DL385 G5	
CPU Speed	2.3 GHz Quad-Core AMD Opteron™ 2356 (Barcelona)
CPU Capacity	2 processors, 8 cores
RAM Configurations	4, 8, 12, 16, 20, 24, 28 or 32 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP DL580 G5	
CPU Speed	2.93 GHz Quad-Core Intel Xeon X7350 or 1.60 GHz Quad-Core Intel Xeon E7310 (Tigerton)
CPU Capacity	4 processors, 8 cores
RAM Configurations	4, 8, 12, 16, 32, 64 or 128 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP DL585 G5	
CPU Speed	2.3 GHz Quad-Core AMD Opteron 8356 (Barcelona)
CPU Capacity	4 processors, 8 cores
RAM Configurations	4, 8, 12, 16, 24, 32, 48, 64, 96 or 128 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP c7000 BladeSystem	
Blade Capacity	16 half height blades, 8 full height blades, or combinations of both full and half height blades
Ethernet Interfaces	2, 4, 8, 12 or 16 GB uplinks
Utility SAN Interfaces	0, 2, 4 or 8 Four Gbps uplinks
Power Supply	Six Redundant units per chassis
Service Interoperability	Supports Intelligent Hosting & Savvis Dedicated Cloud Compute blades

HP c7000 BladeSystem I/O Recommendations	
Ethernet Interfaces	2, 4, 8, 12 or 16 GB uplinks 2 GigE uplinks, up to 750 Mbps total traffic 4 GigE uplinks, up to 1.6 Gbps total traffic 8 GigE uplinks, up to 3.5 Gbps total traffic 12 GigE uplinks, up to 5.4 Gbps total traffic 16 GigE uplinks, up to 7.2 Gbps total traffic Ethernet modules operate in active-standby configuration
Utility SAN Interfaces	0, 2, 4 or 8 Four Gbps uplinks 2 SAN Uplinks, 1-4 SAN Connected Blades 4 SAN Uplinks, 5-8 SAN Connected Blades 8 SAN Uplinks, 9-16 SAN Connected Blades Fibre channel modules operate in active-active configuration

HP BL460c for c7000 BladeSystem	
CPU Speed	3.00 GHz Quad-Core Intel Xeon E5450 or 2.33 GHz Quad-Core Intel Xeon E5410 (Harpertown)
CPU Capacity	2 processors, 8 cores
RAM Configurations	4, 8, 12, 16, 20, 24, 28 or 32 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
SAN Connectivity	Two 4 Gbps uplink interfaces to c7000 chassis

HP BL465c for c7000 BladeSystem	
CPU Speed	2.3 GHz Quad-Core AMD Opteron 2356 (Barcelona)
CPU Capacity	2 processors, 8 cores
RAM Configurations	4, 8, 12, 16, 20, 24, 28 or 32 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
SAN Connectivity	Two 4 Gbps uplink interfaces to c7000 chassis

HP BL680c for c7000 BladeSystem	
CPU Speed	2.4 GHz Quad-Core Intel Xeon X7340 or 1.60 GHz Quad-Core Intel Xeon E7310 (Tigerton)
CPU Capacity	4 processors, 8 cores
RAM Configurations	4, 8, 12, 16, 24, 32, 48, 56 or 64 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
SAN Connectivity	Two 4 Gbps uplink interfaces to c7000 chassis

HP BL685c for c7000 BladeSystem	
CPU Speed	2.3 GHz Quad-Core AMD Opteron 8356 (Barcelona)
CPU Capacity	4 processors, 8 cores
RAM Configurations	4, 8, 12, 16, 24, 32, 48, 64, 96 or 128 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
SAN Connectivity	Two 4 Gbps uplink interfaces to c7000 chassis

Savvis Dedicated Cloud Compute Instance Operating Systems Supported

- Microsoft® Windows® Enterprise Edition Server 2003: Available in both 32- and 64-bit editions as well as Authenticated and Unauthenticated versions
- Red Hat® Enterprise Linux®: Available in 32- and 64-bit editions
- Sun® Solaris™: Solaris 10 for x86, 64-bit edition for AMD-based nodes

Get the Most from Your Server Computing Power

In today's complex IT environments, server virtualization can help rein in server sprawl, prevent over-provisioning and under-utilizing server resources, and reduce associated data center power and cooling costs. When doing more with less is a priority in your IT organization, running multiple virtual machines allows you to leverage a physical server's computing potential to the fullest. Let Savvis Dedicated Cloud Compute, powered by VMware, help you maximize your computing resources and keep IT expenses under control.

About Savvis

Savvis, Inc. (NASDAQ:SVVS) is an outsourcing provider of managed computing and network infrastructure for IT applications. By outsourcing to Savvis, enterprises can focus on their core business while Savvis ensures the quality of their IT infrastructure. Leading IT organizations around the world have selected Savvis to help them improve their service levels, reduce capital expense and deal with the rising costs of bandwidth, energy, real estate, staff and expertise. As a pioneer in utility computing, Savvis understands and harnesses the latest advances in technology like virtualization, cloud computing and support process automation.

For more information about Savvis, visit www.savvis.net or call 1.800.SAVVIS.1 (1.800.728.8471).

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