

## HOSTING SERVICES

## Savvis Symphony Dedicated Configuration Options



### Virtualization Delivers Higher Levels of User Flexibility

Savvis is an industry leader in developing and implementing virtual private networking, 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 Symphony Dedicated 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 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 Symphony Dedicated 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 Symphony Dedicated you can also add fault-tolerant server node and instance failover capability with up to a 99.9% uptime guarantee.\*

### Savvis Symphony Dedicated Configuration Options




To deliver the advantages of HP server and blade options for reliable, scalable, enterprise-grade computing, Savvis Symphony Dedicated 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 six and quad-core processor options, while the HP BladeSystem c-Class provides improved economies of scale for larger node deployments.

### The Savvis Advantage

- Savvis Symphony Dedicated 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 three speeds per server
- Leverages Utility Storage SAN-based service for instance storage

### Savvis Symphony Dedicated Nodes

		Intel	AMD	
HP ProLiant Servers	2 Socket Servers (8 CPU cores)	HP DL380 G6	HP DL385 G5p	
	4 Socket Servers (16-24 CPU cores)	HP DL580 G5	HP DL585 G5	
HP c7000 BladeSystem	2 Socket Blades (8 CPU cores)	HP BL460c	HP BL465c	
	4 Socket Blades (8 -24 CPU cores)	HP BL680c	HP BL685c	

#### 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

#### 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 Symphony Dedicated Node Options

HP DL380 G6	
<b>CPU Speed</b>	2.93 GHz Quad-Core Intel® Xeon® X5570 or 2.53 GHz Quad-Core Intel Xeon E5440 or 2.26 GHz Quad-Core Intel Xeon E5520 CPUs
<b>CPU Capacity</b>	2 processors, 8 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56, 64, 80, 96, 112, 128, or 144 GB
<b>Network Interfaces</b>	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
<b>SAN Connectivity</b>	Two 4 Gbps fibre channel interfaces
<b>Power Supply</b>	Redundant

HP DL385 G5p	
<b>CPU Speed</b>	2.3 GHz Quad-Core AMD Opteron™ 2376HE
<b>CPU Capacity</b>	2 processors, 8 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56, 64, 80, 96, 112, or 128 GB
<b>Network Interfaces</b>	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
<b>SAN Connectivity</b>	Two 4 Gbps fibre channel interfaces
<b>Power Supply</b>	Redundant

HP DL580 G5	
<b>CPU Speed</b>	2.40 Ghz Six-Core Intel Xeon E7450, or 2.93 GHz Quad-Core Intel Xeon X7350 or 1.60 GHz Quad-Core Intel Xeon E7310 CPUs
<b>CPU Capacity</b>	4 processors, 8-24 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56, 64, 80, 96, 112 or 144 GB
<b>Network Interfaces</b>	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
<b>SAN Connectivity</b>	Two 4 Gbps fibre channel interfaces
<b>Power Supply</b>	Redundant

HP DL585 G5	
<b>CPU Speed</b>	2.3 GHz Quad-Core AMD Opteron 8356
<b>CPU Capacity</b>	4 processors, 8 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56, 64, 80, 96, 112, 128 or 144 GB
<b>Network Interfaces</b>	2 Gigabit Ethernet interfaces +1 Fast Ethernet interface for service management
<b>SAN Connectivity</b>	Two 4 Gbps fibre channel interfaces
<b>Power Supply</b>	Redundant

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

HP c7000 BladeSystem I/O Recommendations	
<b>Ethernet Interfaces</b>	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
<b>Utility SAN Interfaces</b>	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	
<b>CPU Speed</b>	2.93 GHz Quad-Core Intel Xeon X5570 or 2.53 GHz Quad-Core Intel Xeon E5540 or 2.26 GHz Quad-Core Intel Xeon E5520 CPUs
<b>CPU Capacity</b>	2 processors, 8 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56, 64, 80, 96, 112, 128 or 144 GB
<b>Network Interfaces</b>	Two GigE Network interfaces to c7000 chassis
<b>SAN Connectivity</b>	Two 4 Gbps uplink interfaces to c7000 chassis

HP BL465c for c7000 BladeSystem	
<b>CPU Speed</b>	2.3 GHz Quad-Core AMD Opteron 2356
<b>CPU Capacity</b>	2 processors, 8 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56 or 64 GB
<b>Network Interfaces</b>	Two GigE Network interfaces to c7000 chassis
<b>SAN Connectivity</b>	Two 4 Gbps uplink interfaces to c7000 chassis

HP BL680c for c7000 BladeSystem	
<b>CPU Speed</b>	2.40 GHz Six-Core Intel Xeon E7450, 2.40 GHz Quad-Core Intel Xeon E7340 or 1.60 GHz Quad-Core Intel Xeon E7310 CPUs
<b>CPU Capacity</b>	4 processors, 8-24 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56, 64, 80, 96, 112, 128 or 144 GB
<b>Network Interfaces</b>	Two GigE Network interfaces to c7000 chassis
<b>SAN Connectivity</b>	Two 4 Gbps uplink interfaces to c7000 chassis

HP BL685c for c7000 BladeSystem	
<b>CPU Speed</b>	2.3 GHz Quad-Core AMD Opteron 8356
<b>CPU Capacity</b>	4 processors, 8 cores
<b>RAM Configurations</b>	4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 48, 56, 64, 80, 96, 112 or 128 GB
<b>Network Interfaces</b>	Two GigE Network interfaces to c7000 chassis
<b>SAN Connectivity</b>	Two 4 Gbps uplink interfaces to c7000 chassis

### Savvis Symphony Dedicated Instance Operating Systems

- Microsoft® Windows® Enterprise Edition Server 2008: Available in 64-bit edition Outsourcing version
- 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 64-bit edition
- 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 Symphony Dedicated 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  
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