



ADVANTAGES

- Virtual Intelligent Hosting 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 two speeds per server
- Leverages Utility Storage SAN-based service for instance storage



Virtual Intelligent Hosting Configuration Options

Enhanced IT Infrastructure through Software Virtualization

SAVVIS has been an industry leader in developing and implementing virtual private networking, utility compute, storage and security solutions that leverage virtualization technology. Now SAVVIS has partnered with VMware®, the recognized leader in virtualized technology solutions, to deliver a managed dedicated virtualization service ideally suited to variable, light-to-medium compute loads.




SAVVIS Virtual Intelligent Hosting is a highly scalable and flexible managed dedicated hosting service based on VMware Infrastructure Enterprise. The platform allows a single physical server to be partitioned into multiple self-contained virtual machines, each with 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.

Virtual Intelligent Hosting Configuration Options

To deliver the advantages of HP server and blade options for reliable, scalable, enterprise-grade computing, Virtual Intelligent Hosting is available in four HP 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 processor options, while the HP BladeSystem c-Class provides improved economies of scale for larger node deployments.

Virtual Intelligent Hosting Nodes

		Intel	AMD	
HP ProLiant Servers	2 CPU Servers	HP DL380	HP DL385	
	4 CPU Servers	HP DL580	HP DL585	
HP BladeSystem c7000	2 CPU Blades	HP BL460c	HP BL465c	
	4 CPU Blades	HP BL680c	HP BL685c	

Virtual Intelligent Hosting 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

For more information about SAVVIS, visit www.savvis.net or call 1-800-463-8294.

Virtual Intelligent Hosting 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

Virtual Intelligent Hosting Node Options

HP DL 380 G5 – Virtual Intelligent Hosting Server	
CPU Speed	2.33 GHz Intel® Harpertown-based Quad-Core processor (Xeon® E5410) or 3.00 GHz Intel Harpertown-based Quad-Core processor (Xeon E5450)
RAM Configurations	4, 8, 12, 16, or 32 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP DL 385 G2 – Virtual Intelligent Hosting Server	
CPU Speed	2.4 GHz AMD Opteron™-based Dual-Core processor or 2.8 GHz AMD Opteron-based Dual-Core processor
RAM Configurations	4, 8, 12, 16 or 32 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP DL 580 G5 – Virtual Intelligent Hosting Server	
CPU Speed	1.60 GHz Intel Tigerton-based Quad-Core processor (Xeon E7310) or 2.93 GHz Intel Tigerton-based Quad-Core processor (Xeon X7350)
RAM Configurations	4, 8, 12, 16, 32, 64 or 128 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP DL 585 G2 – Virtual Intelligent Hosting Server	
CPU Speed	2.4 GHz AMD Opteron-based Dual-Core processor or 2.8 GHz AMD Opteron-based Dual-Core processor
RAM Configurations	4, 8, 16, 32 or 64 GB
Network Interfaces	2 Gigabit Ethernet interfaces +1 for service management
SAN Connectivity	Two 4 Gbps fibre channel interfaces
Power Supply	Redundant

HP c7000 BladeSystem – Virtual Intelligent Hosting	
Blade Capacity	16 half height blades or 8 full height blades
Ethernet Interfaces	2, 4, 8, 12 or 16 GB
Utility SAN Interfaces	2, 4, or 8 Four Gbps uplinks
Power Supply	Six Redundant units per chassis
Service Interoperability	Supports Intelligent Hosting & Virtual Intelligent Hosting blades

HP c7000 BladeSystem I/O Recommendations – Virtual Intelligent Hosting	
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	2, 4 or 8 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 – Virtual Intelligent Hosting	
CPU Speed	2.33 GHz Intel Harpertown-based Quad-Core processor (Xeon E5410) or 3.00 GHz Intel Harpertown-based Quad-Core processor (Xeon E5450)
CPU Capacity	2
RAM Configurations	2, 4, 6, 8, 10, 12, 14, 16, 20, 24, 28 or 32 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
Fibre Channel Interfaces	Two 4 Gbps uplinks interfaces to c7000 chassis

HP BL465c for c7000 BladeSystem – Virtual Intelligent Hosting	
CPU Speed	2.4 GHz AMD Opteron-based Dual-Core processor or 2.8 GHz AMD Opteron-based Dual-Core processor
CPU Capacity	2
RAM Configurations	2, 4, 6, 8, 10, 12, 14, 16, 20, 24, 28 or 32 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
Fibre Channel Interfaces	Two 4 Gbps uplinks interfaces to c7000 chassis

HP BL680c for c7000 BladeSystem – Virtual Intelligent Hosting	
CPU Speed	1.6 GHz Intel Tigerton-based Quad-Core processor (Xeon E7310) or 2.4 GHz Intel Tigerton-based Quad-Core processor (Xeon E7340)
CPU Capacity	4
RAM Configurations	2, 4, 6, 8, 10, 12, 14, 16, 20, 24, 28, 32, 40, 48, 56 or 64 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
Fibre Channel Interfaces	Two 4 Gbps uplinks interfaces to c7000 chassis

HP BL685c for c7000 BladeSystem – Virtual Intelligent Hosting	
CPU Speed	2.4 GHz AMD Opteron-based Dual-Core processor or 2.8 GHz AMD Opteron-based Dual-Core processor
CPU Capacity	4
RAM Configurations	2, 4, 6, 8, 10, 12, 14, 16, 20, 24, 28, 32, 40, 48, 56 or 64 GB
Network Interfaces	Two GigE Network interfaces to c7000 chassis
Fibre Channel Interfaces	Two 4 Gbps uplinks interfaces to c7000 chassis

Virtual Intelligent Hosting 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 Out of Your Server Computing Power

In today's complex IT environments, server virtualization responds to the challenge of reining in ever-expanding server sprawl, over-provisioning and under-utilizing server resources, and reducing 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 Virtual Intelligent Hosting, powered by VMware, help you maximize your computing resources and keep IT expenses under control.

About SAVVIS

SAVVIS, Inc. (NASDAQ:SVVS) is a leader in providing and managing global IT infrastructure and end-to-end managed services that enable quick and strategic response to the demands and technology needs of business and government. SAVVIS combines virtualization technology, a global network and data centers with automated management and provisioning systems to provide a full suite of hosting, utility compute, network, security and professional services. These services give customers an ideal balance of support and control that enables them to focus their resources on their core business while SAVVIS ensures the quality of their IT infrastructure.

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