



HP Virtualization Smart Bundles with Hyper-V

Simple, cost-effective virtualization solutions



Are you building or expanding your virtual environment?

Virtualization can reduce costs, improve application availability, and simplify IT management. Getting started, however, can be challenging. You need to find the appropriate software, network, server, and storage configurations; but some marketplace solutions billed as “simple” may actually reduce availability and limit scalability—leaving you to figure out how to put it all together.

With HP, virtualization is better than ever: we can help you jump-start your project with simplified virtualization solutions that are pre-configured, validated, yet flexible enough for you to choose a solution meeting your application and capacity needs.

What’s included?

HP Virtualization Smart Bundles with Hyper-V are configurations that include everything you need to get started with virtualization—from Microsoft Windows Server 2008 R2 software to HP ProLiant G6 servers, StorageWorks and LeftHand SAN solutions, ProCurve switches, and HP Insight Control software.

The HP advantage

- **Unique capabilities:** With High Availability Smart Bundles for Hyper-V, you can avoid costs and keep applications and storage online during hardware and even site failures.¹
- **Optimal choices:** HP has created configurations to match your requirements in easy-to-order Virtualization Smart Bundles for Hyper-V.
- **Deploy with confidence:** HP has validated each configuration to verify that the solution performs as expected.

HP ProLiant: new performance enhancements and Power savings

HP ProLiant G6 servers have more than 20x the power/watt over previous generation servers and can reduce power and cooling costs. By up to 30%. As the top-selling industry-standard server brand, HP ProLiant servers let you deploy virtual machines with confidence.

Intel: new generation of intelligent processors

Intel® Next-Generation Virtualization Technology enables best-in-class virtualization performance, superb scalability, enhanced flexibility, and simplified server management. And by basing your server consolidation projects on the new Intel Xeon® processor 5500 series, you can achieve up to a 9:1 server consolidation ratio, reduce operating cost by up to 90%, and achieve an estimated 8-month return on investment.²

HP LeftHand P4000 SAN Solutions

HP LeftHand P4000 SANs deliver the performance and features required to simplify storage, provide application availability, and scale your storage while it remains online.¹

HP StorageWorks MSA2000

HP StorageWorks MSA2000 offers affordable and scalable storage to grow with your needs. It is easily managed with powerful and intuitive set of management tools through a Web-based or CLI interface.

HP ProCurve: reliable networking for a virtualized environment

HP ProCurve-managed L2–L4 Ethernet switching products provide superior reliability and proven performance, reduce complexity and total cost of ownership (TCO), and feature an industry leading lifetime warranty.

¹ Smart Bundles for Hyper-V based on HP LeftHand P4000, featuring protection against site failures, available 1H 2010.

² “Intel® Xeon® Processor 5500 Series—New IH ‘09 Update,” Intel Corporation, effective dates 2/10/09–3/20/09


Bundles

HP Smart Bundles for Hyper-V are available from your authorized HP reseller.


To learn more, please visit: www.hp.com/go/virtkit/hyper-v

Standalone Bundles

Entry Tower


	Base Bundle	HP ProLiant ML150 G6 tower server <ul style="list-style-type: none"> • (1) Intel Xeon Quad Core Processor • 12GB RAM (UDIMM) • HP Smart Array controller + BBWC • (4) 250GB 3.5" 3G SATA HDD • NC107i Gigabit Adapter (Embedded) • NC360T Dual Port Gigabit Adapter • DVD Drive • Single Power Supply • HP Onboard Administrator (LO100i Adv.)
	Optional OS Pack (OEM Reseller Option Kit)	Microsoft Windows Server 2008 R2 (Select Edition: Standard, Enterprise or Data Center)
	Optional Performance Pack	Adds: (one allowed) <ul style="list-style-type: none"> • 2nd Intel Xeon Quad Core Processor • 12GB RAM (6 x 2GB)
	Optional Storage Pack	Adds: (one allowed) <ul style="list-style-type: none"> • 2nd Drive Cage • (4) 250GB 3.5" 3G SATA HDD
	Optional ProCurve Pack	N/A
	Optional Services	<ul style="list-style-type: none"> • 3-year 24x7 HW Support • Startup Services • Proactive Services

Entry Rack


	Base Bundle	HP ProLiant DL180 G6 rack server <ul style="list-style-type: none"> • (2) Intel Xeon Quad Core Processors • 12GB RAM (RDIMM) • HP Smart Array controller + BBWC • (6) 250GB 3.5" 3G SATA HDD • NC362i Dual Port Gigabit Adapter (Embedded) • NC364T Quad Port Gigabit Adapter • DVD Drive • Redundant Power Supplies • HP Onboard Administrator (LO100i Adv.)
	Optional OS Pack (OEM Reseller Option Kit)	Microsoft Windows Server 2008 R2 (Select Edition: Standard, Enterprise, or Data Center)
	Optional Performance Pack	Adds: (multiple allowed) <ul style="list-style-type: none"> • 8GB RAM (2 x 4GB)
	Optional Storage Pack	Adds: (one allowed) <ul style="list-style-type: none"> • (6) 250GB 3.5" 3G SATA HDD
	Optional ProCurve Pack	N/A
	Optional Services	<ul style="list-style-type: none"> • 3-year 24x7 HW Support • Startup Services • Proactive Services

Note: Configuration details may vary by region.

Expandable Rack


	Base Bundle	HP ProLiant DL370 G6 rack server <ul style="list-style-type: none"> • (2) Intel Xeon Quad Core Processors • 12GB RAM (RDIMM) • HP Smart Array controller + BBWC • (8) 146GB 2.5" 10k SAS HDD • NC375i Quad Port Gigabit Adapter (Embedded) • NC364T Quad Port Gigabit Adapter • DVD Drive • Redundant Power Supplies • HP Onboard Administrator (iLO2 Advanced)
	Optional OS Pack (OEM Reseller Option Kit)	Microsoft Windows Server 2008 R2 (Select Edition: Standard, Enterprise, or Data Center)
	Optional Performance Pack	Adds: (multiple allowed) <ul style="list-style-type: none"> • 8GB RAM (2 x 4GB)
	Optional Storage Pack	Adds: (one allowed) <ul style="list-style-type: none"> • 2nd Drive Cage + SAS Expander • (8) 146GB 2.5" 10k SAS HDD
	Optional ProCurve Pack	N/A
	Optional Services	<ul style="list-style-type: none"> • 3-year 24x7 HW Support • Startup Services • Proactive Services

High Availability Bundles Midrange Rack HA

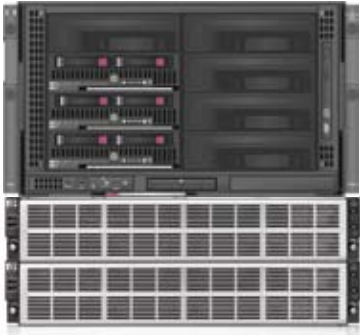
	Base Bundle	(2) HP ProLiant DL380 G6 rack servers, each with <ul style="list-style-type: none"> • (2) Intel Xeon Quad Core Processors • 12GB RAM (RDIMM) • HP Smart Array controller • (2) 146GB 2.5" SAS HDD • NC382i Quad Port Gigabit Adapter (Embedded) • NC364T Quad Port Gigabit Adapters • (2) SC08Ge SAS HBA, cables • DVD Drive • Redundant Power Supplies • Insight Control 6.0 HP StorageWorks MSA2300 DC SAS SAN Solution <ul style="list-style-type: none"> • (12) 146GB 2.5" 15k SAS HDD
	Optional OS Pack (OEM Reseller Option Kit)	(2) Microsoft Windows Server 2008 R2 (Select Edition: Standard, Enterprise, or Data Center)
	Optional Performance Pack	Adds: (multiple allowed) <ul style="list-style-type: none"> • 8GB RAM (2 x 4GB)
	Optional Storage Pack	Adds: <ul style="list-style-type: none"> • (12) 146GB 2.5" 15k SAS HDD (Additional expansion – up to 99 drives – is possible with purchase of HP StorageWorks MSA70 enclosures)
	Optional ProCurve Pack	Adds: <ul style="list-style-type: none"> • (2) ProCurve 2510G-24 Switches
	Optional Services	<ul style="list-style-type: none"> • 3-year 24x7 HW Support • Startup Services • Proactive Services

Note: Configuration details may vary by region.

Scalable Rack HA (available 1H 2010)

	Base Bundle	<p>(2) HP ProLiant DL380 G6 rack servers, each with</p> <ul style="list-style-type: none"> • (2) Intel Xeon Quad Core Processors • 12GB RAM (RDIMM) • HP Smart Array controller • (2) 146GB 2.5" SAS HDD • NC382i Quad Port Gigabit Adapter (Embedded) • (2) NC364T Quad Port Gigabit Adapters • DVD Drive • Redundant Power Supplies • Insight Control 6.0. <p>HP LeftHand P4300 based SAS SAN Solution</p>
	Optional OS Pack (OEM Reseller Option Kit)	<p>(2) Microsoft Windows Server 2008 R2 (Select Edition: Standard, Enterprise or Data Center)</p>
	Optional Performance Pack	<p>Adds: (multiple allowed)</p> <ul style="list-style-type: none"> • 8GB RAM (2 x 4GB)
	Optional Storage Pack	(HP LeftHand P4300 SAS Expansion Nodes Available)
	Optional ProCurve Pack	<p>Adds:</p> <ul style="list-style-type: none"> • (2) ProCurve 2910al-24G Switches
	Optional Services	<ul style="list-style-type: none"> • 3-year 24x7 HW Support • Startup Services • Proactive Services

Scalable Blades HA (available 1H 2010)

	Base Bundle	<p>HP c3000 BladeSystem Rack Enclosure with Insight Control</p> <p>(2) HP Virtual Connect Flex-10 10Gb Ethernet Modules</p> <p>(3) HP ProLiant BL460c G6 rack servers, each with:</p> <ul style="list-style-type: none"> • (2) Intel Xeon Quad Core Processors • 12GB RAM (RDIMM) • HP Smart Array controller • (2) 146GB 2.5" SAS HDD • NC532i Dual Port Flex-10 10GE Adapter (Embedded) • NC532m Dual Port Flex-10 10GE Adapter <p>HP LeftHand P4300 based SAS SAN Solution</p>
	Optional OS Pack (OEM Reseller Option Kit)	<p>(3) Microsoft Windows Server 2008 R2 (Select Edition: Standard, Enterprise or Data Center)</p>
	Optional Performance Pack	<p>Adds: (multiple allowed)</p> <ul style="list-style-type: none"> • 8GB RAM (2 x 4GB)
	Optional Storage Pack	(HP LeftHand P4300 SAS Expansion Nodes Available)
	Optional ProCurve Pack	<p>Adds:</p> <ul style="list-style-type: none"> • (2) ProCurve 2910al-24G Switches • (2) ProCurve 10GbE Modules, cables
	Optional Services	<ul style="list-style-type: none"> • 3-year 24x7 HW Support • Startup Services • Proactive Services

Note: Configuration details may vary by region.



Technology for better business outcomes

To learn more, visit www.hp.com/go/virtkit/hyperv

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