

HP Cluster Platform Express

Your fast track to cluster deployment



HP streamlines cluster deployment even more, offering the most popular options from the HP Unified Cluster Portfolio in a complete, single rack configuration. The HP Cluster Platform Express enables faster ordering and configuration, shorter delivery times, and increased savings.



Get ready

Configuring and ordering are simple. The HP Cluster Platform Express menu lets you select cluster nodes from the power-packed HP ProLiant servers featuring AMD® Opteron™ or Intel® Xeon® multi-core processors. Choices include the award-winning HP ProLiant DL rack-optimized server and the popular c-Class HP BladeSystem server, known for its management capabilities and its innovative power and cooling design.

Choose your network—Gigabit Ethernet and Fast Ethernet out-of-band console networks are standard. For applications requiring a dedicated high-performance cluster network, InfiniBand is also available. Networks and servers are integrated in a 22U or 42U rack with optional TFT monitor and power distribution units.

Get set

Add software to fit your needs; choose from either Linux or Windows options. If you only need the operating system, HP-supported Red Hat Enterprise Linux and SUSE SLES are available and can be complemented with HP-MPI (Message Passing Interface library). Cluster management solutions from HP and its partners are also offered, including the new Microsoft Compute Cluster Server for users that prefer a Windows environment. Software options are available with in-factory install. To create a hardware-only package, you can bypass the choice of software entirely.

A full range of consulting services can be tailored to fit your specific requirements. On-site field installation is also an option to help with unpacking, assembling, power up, and a Quick Check when the cluster arrives.

Go!

Start deploying immediately.

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HP transformed cluster computing with the HP Unified Cluster Portfolio, a range of cluster offerings with unprecedented flexibility, structured simplicity, and supported design. With HP's Unified Cluster Portfolio, organizations are able to choose solutions that are easier to deploy and maintain than anything previously available.

HP leverages the expertise gained with the Unified Cluster Portfolio to offer the Cluster Platform Express: a simple, pre-configured cluster solution with shortened delivery times and reduced integration costs. The HP Cluster Platform Express is built and tested to the same rigorous standards as the HP Cluster Platform, with full warranty and optional services including consulting and integration.

	Feature	Benefit
Simplicity	Most popular options from HP Cluster Platform portfolio packaged into an integrated, customer-ready solution Clusters are built to uniform, worldwide specifications	Unprecedented simplicity and rapid ordering and deployment Deliver performance, quality and supportability
Agility	Choice of processors, interconnects, and middleware Extensive HPC consulting and integration services, including start-up services, applications development and optimization, and clusters training	Allows flexibility and choice of hardware/software to meet specific needs Tap into cluster expertise to speed time to deployment and to tune your solution
Value	Fully integrated with HP warranty and support HP ProLiant servers featuring a choice of AMD Opteron or Intel Xeon processors	Provides one-stop response and resolution for comprehensive environment Excellent performance, density and price

Simple steps to configuring and ordering the HP Cluster Platform Express			
Step		AMD® Opteron™-based cluster	Intel® Xeon®-based clusters
1	Select control node	HP ProLiant DL385 G2, HP ProLiant DL145 G3, or HP ProLiant BL465c	HP ProLiant DL380 G5, HP ProLiant DL140 G3, or HP ProLiant BL460c
2	Specify control node options	Multiple choices provided with latest options offered: processor type/speed; memory; disk size and number; adapters; network interfaces	
3	Choose compute node and number 4 to 32 node (DL series) or 48 node (BL blades)	HP ProLiant DL145 G3, or HP ProLiant BL465c	HP ProLiant DL140 G3, or HP ProLiant BL460c
4	Specify compute node options	Multiple choices provided with latest options offered: processor type/speed; memory; disk size and number; adapters; network interfaces	
5	Select InfiniBand if high performance cluster interconnect is required.		
6	Select rack-mounted TFT monitor, if desired.		
7	Select software options (and support level): <ul style="list-style-type: none"> Linux (Red Hat EL or SUSE SLES) Linux cluster software: HP XC Software (includes Linux and HP-MPI), HP Cluster Management Utility (CMU), HP Insight Control (Blades only), Scali Manage Windows Compute Cluster Server (includes OS) HP-MPI is also an available option for Linux or Windows, and is included in XC Software Note: Additional software for HPC clusters, such as compilers and other utilities, is available from HP as part of the Unified Cluster Portfolio		
8	Select whether you would like software installed by HP at the factory.		
9	Choose optional on-site field installation with HP Services.		
10	Select optional cluster start up services with HP Services (e.g., implementation consulting, knowledge transfer).		

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