HP Cluster Platform Express
Your fast track to cluster deployment

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 has leveraged 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.

Get ready
Configuring and ordering are simple. Just select from the HP Cluster Platform Express menu of rack-optimized HP ProLiant servers featuring a choice of AMD Opteron or Intel Xeon processors for the cluster nodes. Specify node count and attributes, such as memory size and disk storage.

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.

HP is streamlining 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 is designed to enable faster ordering and configuration, shorter delivery times, and increased savings.

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Get set

Choose your software options. For cluster software, HP features a choice of HP XC System Software or Scali Manage. 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). Or, to create a hardware-only package, you can bypass the choice of software entirely. These software options are available with in-factory install.

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!

	Feature	Benefit
Simplicity	Most popular options from HP Cluster Platform portfolio packaged into an integrated, customer-ready solution	Unprecedented simplicity and rapid ordering and deployment
	Clusters are built to uniform, worldwide specifications	Deliver performance, quality and supportability
Agility	Choice of processors, interconnects, and middleware	Allows flexibility and choice of hardware/software to meet specific needs
	Extensive HPC consulting and integration services, including start-up services, applications development and optimization, and clusters training	Tap into cluster expertise to speed time to deployment and to tune your solution
Value	Fully integrated with HP warranty and support	Provides one-stop response and resolution for comprehensive environment
	HP ProLiant servers featuring a choice of AMD Opteron or Intel Xeon processors	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 or HP ProLiant DL145 G2	HP ProLiant DL380 G5 HP ProLiant DL140 G3
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 nodes)	HP ProLiant DL145 G2	HP ProLiant DL140 G3
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): • HP XC Software (includes Linux and HP-MPI) • Scali Manage + SLES9 or Red Hat EL4.0 • Linux only: SUSE SLES9 or Red Hat EL4.0 • HP-MPI is also an available option with Scali and Linux, and is also included in XC Software Note: Additional software for HPC clusters, such as compilers and other utilities, are available online from HP as part of the ProLiant HPC Partner Software Suite.		
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).		

For more information, go to www.hp.com/go/cp-express

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