



# HPE High Performance Computing (HPC) Cluster Rack Interconnect Service

## HPE Lifecycle Event Services

HPE High Performance Computing (HPC) Cluster Rack Interconnect Service is part of a comprehensive portfolio of configured, customized, and integrated factory solution and deployment services. The HPC Cluster Rack Interconnect Service includes the physical installation by Hewlett Packard Enterprise of network cables (Ethernet and InfiniBand) on a multi-rack HPC cluster at your site.

The HPC Cluster Rack Interconnect Service is typically sold with other integration and deployment services such as HPE Factory Express Customized Integration with Onsite Startup Service (Package 3), HPE Cluster Platform Integration Services, and onsite cluster startup services. HPE Factory Express Service Package 3 provides factory configuration of the server, enclosure, and racking with onsite setup and turn-on. The onsite installation includes the physical installation of a preconfigured rack and powering on the solution.

### Service benefits

- Reduced implementation time and costs
- Service performed by a Hewlett Packard Enterprise technical specialist
- Verification prior to installation that all service prerequisites have been met
- Ability for your IT resources to stay focused on their core tasks and priorities
- Delivery of the service at a mutually scheduled time convenient to your organization

### Service feature highlights

- Unpacking of cables
- Service plan review
- Cluster cabling

**Table 1. Service features**

Feature	Delivery specifications
<b>Unpacking of cables</b>	A Hewlett Packard Enterprise field delivery specialist will unpack the cables that were shipped by the HPE factory with the cluster.
<b>Service plan review</b>	The Hewlett Packard Enterprise field delivery specialist will review with the Customer how the cables will be routed within the data center.

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**Cluster cabling**

The cluster cabling between the racks will be based on Hewlett Packard Enterprise factory instructions to help ensure that the cluster is recabled in conformance with cluster specifications. The between-rack cables ordered with the solution will be routed with each connector plugged into the cluster.

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## Service limitations

The following are not included with this service:

- Application integration or integration of third-party products or peripherals not included with the system
- Operational testing of applications, or additional tests requested or required by the Customer

Cable routing within the data center is dependent upon the availability of cables of an appropriate length. The cables are not supplied with the service and must be ordered separately.

## Service eligibility

- The HPC Cluster Rack Interconnect Service is available only on HPE Cluster platform solutions pre-integrated at the Hewlett Packard Enterprise factory that include more than one rack.
- Standard HPE Cluster Platform solutions are pre-integrated at the Hewlett Packard Enterprise factory with HPE Factory Express Customized Integration and factory HPE Cluster Platform integration services.
- For nonstandard HPE Cluster Platform solutions, the HPC Cluster Rack Interconnect Service requires a custom quote from Hewlett Packard Enterprise.

## Customer responsibilities

The Customer will:

- Ensure that site preparation (e.g., power and cooling) has been completed at the location where the hardware will be installed
- Ensure that the access path can accommodate the rack height and clearance requirements for delivery of the racked solution
- Provide a suitable work area for delivery of the service, including access to an outside telephone line, power, and any network connections required

## General provisions/Other exclusions

Hewlett Packard Enterprise reserves the right to charge, on a time and materials basis, for any additional work over and above the service package pricing that may result from work required to address service prerequisites or other requirements that are not met by the Customer.

Hewlett Packard Enterprise's ability to deliver this service is dependent upon the Customer's full and timely cooperation with HPE, as well as the accuracy and completeness of any information and data the Customer provides to HPE.

Travel charges may apply in some geographic locations. Please contact a local Hewlett Packard Enterprise representative for details.

The following are excluded from this service:

- Service required due to causes external to the Hewlett Packard Enterprise maintained hardware or software
- Services that, in the opinion of Hewlett Packard Enterprise, are required due to unauthorized attempts by non-HPE personnel to install, repair, maintain, or modify hardware, firmware, or software

## **Ordering information**

This service can be ordered using the following service part numbers:

- HA124A1#568 for multi-rack clusters that include InfiniBand and Ethernet cabling; excluding the first rack, order one additional quantity of the service per rack
- HB982A1 for multi-rack clusters that include Ethernet cabling only; excluding the first rack, order two additional quantities of the service per rack
- HA124A1#568 for HPC Clusters based on an HPE Apollo 8000 System with rack interconnect InfiniBand cabling, order a quantity of the service based on the total number of InfiniBand cables; to determine the appropriate quantity to order, take the total number of InfiniBand optical and copper cables, divide by 48, and round up to the nearest whole number; for example, for an environment with 1,984 InfiniBand cables, the correct quantity would be 42 (42 x HA124A1#568 = roundup [1,984/48])

## **For more information**

For more information on Hewlett Packard Enterprise support services, contact any of our worldwide sales offices or visit the following website:

[www.hpe.com/services/support](http://www.hpe.com/services/support)

[www.hpe.com/services/lifecycleevent](http://www.hpe.com/services/lifecycleevent)