

HPE Data Migration Services for HPE Nimble Storage

HPE Consulting and Integration Services

Service overview

Data migration simplified

Available in conveniently packaged offerings, HPE Data Migration Services for HPE Nimble Storage simplifies the data migration process and provides a flexible way to migrate your organization's critical data safely, with minimal impact on your operations.

Using these services, you can leverage our depth of technical capabilities, combined with proven migration methodologies, to help you increase OPEX and CAPEX, as well as accelerate your transition to HPE Nimble Storage.

HPE Data Migration Services for HPE Nimble Storage offers several online and offline options for migrating your data to align with your organization's requirements, budgets, and timelines.

You can determine which production and/or non-production hosts to migrate to HPE Nimble Storage. You can choose to focus data migration efforts on critical production systems, or you can learn the migration process to complete additional systems yourself. Either way, this service provides you with the flexibility to accomplish your migration to HPE Nimble Storage.

This service is available in five different options. Each option of service allows you to focus on a specific number of identified hosts and the amount of data to be migrated to your new HPE Nimble Storage platform. An HPE Data Migration specialist will provide consulting services during the migration cutover window.

HPE Data Migration packages:

- Option 1: Migrate up to 10 TB and up to five hosts
- Option 2: Migrate up to 20 TB and up to 10 hosts
- Option 3: Migrate up to 50 TB and up to 25 hosts
- Option 4: Migrate up to 100 TB and up to 50 hosts
- Option 5: Migrate up to 150 TB and up to 75 hosts

Additional packages:

- Option 6: HPE Nimble Data Migration Software Tool Distribution SVC—Effort to provide HPE Nimble Storage software tools for data migrations, no hardware included
- Option 7: Data migration engineering support—1-day of engineering support from HPE Pointnext



Service specifications

HPE Data Migration Services for HPE Nimble Storage is limited to the following:

- Number of migration methods (appliance/host migration): One method for Option 1, 2, and 3; two methods for Option 4 and 5
- Number of target arrays: 1
- Number of data centers: 1
- Offering support for any HPE Nimble Storage (1): Yes (any: all source arrays supported by Hewlett Packard Enterprise)
- Block migrations only
- Windows®/Linux®/VMware®/AIX/HP-UX/Solaris environments
- Migration throughput: three servers/day (15 servers/week)
- Includes project management
- Includes discovery
- Migration tool licenses are included and available for Option 1 to Option 6

Remarks

- All pricing includes licenses, travel time, and expenses
- Customer to complete discovery questionnaire and execute remediation tasks prior to Migration
- Any-to-HPE Nimble Storage (1), block only online/offline migrations (environments supported by Hewlett Packard Enterprise)
- Single target array/single data center

Note: Network-attached storage, iSCSI data, and direct-attached storage migrations are not included.

Service deliverables

The service deliverables can vary depending on the data migration or service package option/s you select.

- Environment final discovery (EFD) report—Contains an overview of all the necessary information on the environment's assets (servers, storage arrays, and SAN ports) in the scope of the data migration. In Option 3, 4, and 5 of this service, an HPE migration expert will create this report after the discovery of your environment. In the smallest options (Option 1 and 2), the discovery will be done based on a questionnaire filled in by the customer.
- Remediation report—Documents the in-scope servers, storage arrays, and SAN upgrades to achieve a supported configuration with the new target HPE Nimble Storage array.
- Migration plan—Provides a high-level project plan with the project schedule, in-scope servers, and rolled-up migration tasks with owners.
- Block-level data migration design—Defines the data movement methodology that will be used for migrating the environment.
- Block-level data migration methodology cookbook—Outlines the process flow involved in the migration method used.
- Block-level data migration execution—HPE partners with your team to execute the migration and cutover to the target HPE Nimble Storage array.



Additional service deliverables

- HPE Pointnext Data Migration Engineering Support—One day of engineering support from HPE Pointnext to provide storage array layout for new workloads, define migration strategies (such as Cirrus, SVMotion, Zerto, and others), and best practices for workloads (what to ping to cache and such). It also provides a 30-day follow-up with the environment to identify any follow-on services.
- HPE Nimble Storage software tool distribution—There's an option to provide HPE Nimble Storage software tool but hardware is not provided. Each SKU includes 50 TB of data migration license, if greater than 50 TB is required, multiple SKUs will be required for purchase. No hardware or support is part of the service.

You should always consider purchasing an HPE Data Migration Service in conjunction with installation and startup services for all HPE storage products. Combining these two services helps your storage investment to be properly integrated into your existing environment and that your data is migrated successfully.

Service benefits

- Accelerate the data migration process and time to solution, resulting in a better return on investment of your storage environment
- Reduce risk through the use of a proven methodology and access to experienced HPE storage professionals
- Identify interoperability risks and recommended remediation with the data migration cookbook
- Reduce the impact to your operation by keeping staff focused on day-to-day responsibilities
- Lower business risk and project costs by having access to HPE specialists
- Speed up your move to HPE Nimble Storage
- Benefit from package offerings that are aligned with your business needs
- Leverage a five-step process that takes you from planning to verification

Service feature highlights

- Accelerated data migration process
- Project coordination
- Environment discovery process
- Migration design and pilot
- Migration planning
- Migration execution



Specifications

Table 1. HPE Nimble Storage migration service features

Feature	Delivery specifications
Accelerated data migration process	Hewlett Packard Enterprise will partner with the customer’s team to execute the data migration process based on the standardized data migration approach.
Project coordination	Hewlett Packard Enterprise will assist the customer with project coordination by initiating the project with a kick-off meeting and organizing regular follow-up and status meetings.
Environment discovery process	Hewlett Packard Enterprise will analyze the in-scope servers and source environment, then document the remediation requirements where required.
Migration design and pilot	Hewlett Packard Enterprise will identify the appropriate migration methodology and develop a data migration cookbook for this migration methodology. We will also perform a migration pilot based on the data migration cookbook.
Migration planning	Hewlett Packard Enterprise will assist the customer’s team with determining the proposed schedule to complete the migration successfully.
Migration execution	Hewlett Packard Enterprise will configure the necessary migration tools and execute the methodology for data migration from the source to the HPE Nimble Storage array.

Prerequisites

HPE Data Migration Services for HPE Nimble Storage excludes required HPE Nimble Storage Installation and Startup Services, which must be purchased separately.

Customer responsibilities

The customer will:

- Provide the necessary information and outputs to Hewlett Packard Enterprise to complete the service
- Assign a customer project manager, who will grant all approvals; provide information; act as the primary contact throughout the project; be authorized to sign reports, project changes, and acceptance of deliverables; and otherwise be available to assist Hewlett Packard Enterprise in facilitating the delivery of this service
- Provide a suitable work area for delivery of the service, including access to an outside telephone line, power, and any network connections required
- Adhere to licensing terms and conditions regarding the use of any HPE service tool, or of the original manufacturer software used to facilitate the delivery of this service, if applicable
- Allow Hewlett Packard Enterprise reasonable access to all locations where the service will be performed
- Ensure participation of the customer’s IT storage administrator, database administrator, and other selected staff to discuss business/operational objectives and any special requirements, as well as validate the environment after the migration is completed
- Make sure that the target HPE Nimble Storage array is installed, configured, and accessible to the appropriate hosts
- Provide access to the source array management server for installing discovery software to map existing storage
- Install any recommended host-based patching or software upgrades, including device drivers, multipathing software, and/or switch firmware to support the HPE Nimble Storage platform and migration design



- Provide a host migration schedule to support the intended migration cadence of three servers/day or 15 servers/week; hosts that cannot support a migration cadence of three servers/day or 15 servers/week may be considered out of scope
- Meet all the technical prerequisites identified by the HPE service specialist that are needed to successfully complete service delivery; these may include but are not limited to cabling, connectivity, and sufficient bandwidth between the source array and the HPE Nimble Storage array
- Ensure that data recoverability plans are in place prior to service deployment through proven means, such as performing a full backup of the data to be migrated and providing access to this backup data when requested by Hewlett Packard Enterprise

Service limitations

Activities such as but not limited to the following are excluded from this service:

- Resolution of hardware-related problems encountered during the verification testing process, unless covered by an active HPE warranty or an applicable HPE Hardware Support agreement
- Required remediation to attached hosts, operating systems, host bus adapters (HBAs), switches, or source arrays
- Application integration or integration of third-party products, backup testing, custom scripting, or peripherals
- Any services not clearly specified in this document or in an associated Statement of Work (SOW)
- Target HPE Nimble Storage array design
- Option 7: Service only includes the Software Tool Method for HPE Nimble Storage Data Migration; no Hardware and or Support is part of the Service

General provisions/Other exclusions

- To the extent HPE processes personal data on the customer behalf in the course of providing services, the HPE Data Migration Services—Data Privacy and Security Agreement found at hpe.com/info/customer-privacy.html shall apply.
- The HPE migration team will select migration toolsets proposed to the customer.
- Scheduled delivery of services will be coordinated between the HPE project manager and the customer.
- The customer must schedule commencement of the service within 120 days from the date of invoice or the services will expire. Under no circumstances shall the customer be entitled to a credit or refund for the unused services.
- Hewlett Packard Enterprise reserves the right to charge over and above the service package pricing. This is done on a time-and-materials basis, for any additional work required to address service prerequisites, other requirements that are not met by the customer, canceled/ rescheduled migration events, or extended customer cutover cadences.
- Our 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 Hewlett Packard Enterprise.
- Data cloning (business copies) or data replication (remote copies) implementations and integrations are excluded from this service.



Ordering information

Any additional tasks not part of the scope of services can be added upon request by adding additional consulting days specified by HPE Pointnext.

Availability of service features and service levels may vary according to local resources and may be restricted to eligible products and geographic locations. To obtain further information or to order services, contact a local HPE sales representative and reference the following product numbers for HPE Data Migration Services for HPE Nimble Storage:

- HPE Data Migration Services for HPE Nimble Storage—10TB 05Svr SVC (H9CF8A1)
- HPE Data Migration Services for HPE Nimble Storage—20TB 10Svr SVC (H9CF9A1)
- HPE Data Migration Services for HPE Nimble Storage—50TB 25Svr SVC (H9CG0A1)
- HPE Data Migration Services for HPE Nimble Storage—100TB 50Svr SVC (H9CG1A1)
- HPE Data Migration Services for HPE Nimble Storage—150TB 75Svr SVC (H9CG2A1)

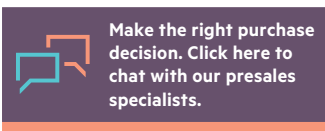
Additional options

- HPE Data Migr Engineer Supp SVC—(H9CG3A1)
- HPE Nimble Data Migr SW Tool Distrib SVC—(H9CG4A1)

Depending on the point of purchase and requested service-level option, other product numbers may apply. Consult a local HPE representative or HPE reseller regarding, which product number will best meet your specific needs.

Learn more at

hpe.com/us/en/services/consulting.html



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