



**Hewlett Packard  
Enterprise**

# HPE Scality Software-defined Storage Integration Service

HPE Technology Consulting

Hewlett Packard Enterprise (HPE) Scality Software-defined Storage Integration Service is designed to integrate your new HPE software-defined storage (SDS) solution based on Scality RING and HPE Apollo and ProLiant servers in your storage environment.

Software-defined and object storage architectures involve new design and optimization criteria that require a level of expertise to help ensure successful implementation. Application and protocol integration requirements are complex to map to actual SDS implementation choices in a way that enables predictable performance and avoids or minimizes unplanned operational costs.

HPE Integration Services for SDS are consultative services that help customers integrate their new SDS or object storage infrastructure using methodologies that are designed for agility, scalability, and performance.

HPE TS Consulting Scality Integration packaged services are practical professional services that integrate Scality software and HPE infrastructure into your environment and provide you with a working Scality RING environment based on one of our jointly developed HPE and Scality reference architectures. They use ready-to-serve storage resources through chosen connectors and protocols including CIFS/NFS or native object storage protocols.

The HPE Scality Software-defined Storage Integration Service comprises two fixed-price, fixed-scope service options for your new HPE SDS and object storage solution:

- **HPE Scality Integration Basic SVC** provides Scality integration services for 1 single RING, 1 single data center, up to 2 PB total capacity.
- **HPE Scality Integration Advanced SVC** provides Scality integration services for up to 2 RINGs, up to 3 data centers.

Both service options are more fully described in the "Service features" section of this data sheet.

## Service benefits

- Optimize Scality RING within your HPE infrastructure based on your organization's software-defined and object storage demands and business requirements
- Expedite the integration process using Scality and HPE best practices
- Enhance your software-defined and object storage investment by integrating unique features and functionality

## Service feature highlights

- HPE TS Consulting will deploy Scality RING software on HPE Apollo or ProLiant server infrastructures using HPE consulting integration methodology to create a software-defined/object storage solution that is ready to provide storage resources through your chosen connectivity protocols.
- Depending on the chosen service option, the resulting SDS/object storage solution powered by Scality RING will be consolidated in one data center or spread over multiple data centers designed for true geo-distributed resiliency and scale. All of the configuration options available in the scope of this service are based on available reference architectures developed jointly by HPE and Scality.

**Table 1. Service features**

Feature	Delivery specifications
<b>Kickoff</b>	<p>An HPE project manager will work with the Customer remotely to:</p> <ul style="list-style-type: none"> <li>• Initiate the project kickoff meeting and organize remote follow-up status meetings, including discussions of requirements regarding the Scality Software-defined Storage Integration Service</li> <li>• Identify and review all service prerequisites and any actions required by the Customer to meet them</li> <li>• Schedule the onsite delivery of consultative services</li> </ul>
<b>Discovery</b>	<p>Based upon the parameters of this service, the HPE TS consultant will work with the Customer remotely to:</p> <ul style="list-style-type: none"> <li>• Verify the storage infrastructure environment</li> <li>• Perform data discovery through interviews with the Customer's storage administrator</li> <li>• Provide a technical overview to clarify integration objectives</li> <li>• Review the SDS/object storage technical requirements</li> <li>• Review the target hardware infrastructure for its server hardware configuration</li> <li>• Review the existing network environment for connectivity, throughput/bandwidth/latency and geographical distribution</li> <li>• Review existing application/processes for in-scope data connectivity protocol types</li> </ul>
<b>Planning and configuration development</b>	<p>Based upon the parameters of this service, and the output of the discovery process, HPE will assist the Customer in determining the appropriate integration plan based on the Scality Software-defined Storage Integration Service requirements as well as the following tasks:</p> <ul style="list-style-type: none"> <li>• Develop detailed configuration for storage capacity and throughput</li> <li>• Develop detailed configuration for LAN connectivity and protocols</li> <li>• Create detailed target configuration report</li> <li>• Create and finalize implementation plan</li> </ul>
<b>Integration</b>	<p>HPE will provide one-on-one onsite consultation with the Customer to integrate Scality RING into their HPE SDS environment based upon the parameters of this service and any requirements identified and agreed upon during the planning phase and documented in the mutually agreed upon implementation plan.</p> <p>The agreed upon implementation plan will outline the tasks to be performed by HPE and the Customer, including the following:</p> <ul style="list-style-type: none"> <li>• Verify installation of servers and OS</li> <li>• Deploy and configure Scality software on storage nodes</li> <li>• Deploy and configure Scality software on the supervisor and connector nodes</li> <li>• Configure additional options on connectors for multisite synchronization (Advanced Integration service option only)</li> <li>• Final implementation report based upon the implementation plan</li> <li>• Executive Summary presentation on the completed implementation</li> <li>• Project closure report based upon the completed implementation</li> </ul>
<b>Application integration and performance testing (Advanced Integration Service option only)</b>	<p>If the Customer purchases Advanced Integration service option, HPE will conduct:</p> <ul style="list-style-type: none"> <li>• Standard application integration tests (Advanced Integration service option only)</li> <li>• Scality standard RING testing, tuning and validation (Advanced Integration service option only)</li> </ul>

- Validate application performance through connectors in accordance with HPE standard validation tests (Advanced Integration service option only)

**Project closure**

HPE will:

- Provide a half-day post-installation technical workshop and a standard training session on the basic features of Scalify RING operation
- Conduct a final meeting to review Executive Summary presentation

**Service limitations**

The Customer acknowledges and agrees that HPE may use resources outside the country of purchase to remotely access products in order to perform these services.

Services provided are subject to the limitations set forth in this data sheet, including those detailed in the “Service eligibility” section below; any requirements outside these parameters will require implementation of a mutually agreed-upon Statement of Work (SOW) based on the Customer’s requirements.

HPE is providing integration recommendations based upon the accuracy and completeness of the information available at such time, along with the accuracy and completeness of any information provided by the Customer used to implement this service. HPE’s recommendations are provided with the intention of helping the Customer choose the best SDS and object storage integration options, and functionality based upon their existing storage environment and IT infrastructure.

The integration service is designed to help the Customer acclimate and integrate their new HPE and Scalify RING SDS and Object storage solution into their storage environment effectively. HPE also offers, as a separate service offering, Software-defined Storage Design and Integration services, which complement the Scalify Software-defined Storage Integration Service with a custom design and implementation based on the Customer’s SDS and object storage requirements. Please contact a local HPE representative or HPE reseller for more information regarding this service.

Data profiling, data migration, or any activity to transfer workloads to the new Scalify RING are out of the scope of this service and part of other service offerings from HPE TS Consulting.

Integration with the Customer’s data protection policies for data backup, archiving or disaster recovery/business continuity are beyond the scope of this service and can be provided as part of other service offerings from HPE TS Consulting.

The following limitations apply to the Advanced Integration service only:

- Application integration testing is limited to basic protocol interfaces. Development of custom integration scripts with application APIs is out of the scope of this service.
- RING testing, tuning and validation is limited to performance tuning for RING backend/remote replication, if applicable. General network and systems performance tuning is beyond the scope of this service.
- Application performance testing is limited to validating application performance through connectors for active protocols. Native application performance optimization is beyond scope of this service.

**Service eligibility**

Customers are eligible for delivery of the Basic Integration service for up to 10 business man days (mixed remote and onsite delivery), if they meet the following scoping parameters:

- One (1) data center

- One (1) Scality RING implementation limited to the base reference architecture defined jointly by HPE and Scality for a 2PB total usable capacity
- Up to two (2) connectors: 1 SOFS (CIFS/NFS protocols) + 1 native object protocol connector
- Up to six (6) storage nodes +1 supervisor + 2 connectors / 9 servers total
- oOe (1) work week onsite delivery

Customers are eligible for delivery of the Advanced Integration service for up to 16 business man days (mixed remote and onsite delivery), if they meet the following scoping parameters:

- Up to three (3) data centers
- Customer must select one of the following configuration options based on the reference architectures developed jointly by HPE and Scality in order to cover all topologies from stretched RINGs to individual RINGs replicating to each other:
  - One (1) data center, single RING, larger number of nodes OR
  - Two (2) data centers, single stretched RING OR
  - Two (2) data centers, 2 separate RINGs with remote replication OR
  - Three (3) data centers, true geo-distributed architecture
- Up to six (6) connectors: 3 SOFS + 3 Object
- Up to 18 storage nodes +1 supervisor + 6 connector nodes / 25 servers total

## Customer responsibilities

The Customer will:

- Allow HPE personnel full access to all software and hardware products to be integrated; if security restrictions apply to any systems that impact HPE's access, the Customer will communicate these to HPE during the kickoff phase, and the Customer will assume additional responsibilities for configuring the system and software in order to be eligible for this service. HPE is under no obligation to perform any portion or all of these services if any access required by HPE to perform these services is not permitted by the Customer.
- Meet all eligibility requirements, service pre-requisites and complete any identified tasks prior to delivery of the integration phase of this service.
- Provide all hardware and software products and be properly licensed for any software that will be implemented as part of this service.
- Allow HPE full access to all locations where the service is to be performed.
- Assign a designated person from the Customer's staff who, on behalf of the Customer, will grant all approvals, provide information, and otherwise be available to assist HPE in facilitating the delivery of this service.
- Adhere to licensing terms and conditions regarding the use of any HPE service tools used to facilitate the delivery of this service, if applicable.
- Provide a suitable work area, including access to an outside telephone line, power, and any network connections required.
- Perform other reasonable activities to help HPE identify, implement, or resolve problems, as requested by HPE.
- Provide all information necessary for HPE to deliver timely and professional remote support and to enable HPE to determine the level of support eligibility
- Ensure the participation of the Customer's IT storage administrator, database administrator, network administrator, server administrator, and other selected staff to discuss business/operational objectives and any special requirements.
- Be responsible for the security of the Customer's proprietary and confidential information.

## General provisions/Other exclusions

Any services not clearly specified in this document are excluded from this service, including but not limited to:

- Resolution of hardware-related problems encountered during the service
- Services that, in the opinion of HPE, are required due to unauthorized attempts by non-HPE personnel to install, repair, maintain, or modify hardware, firmware, or software
- Application integration or integration of third-party products or peripherals not included with the solution
- Any implementation of HPE's recommendations that may be provided as a result of these services

Services are provided during HPE standard local business hours and days excluding HPE holidays.

HPE 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.

HPE reserves the right to re-price this service if the Customer does not schedule and provide for subsequent delivery within 90 days of purchase. Any services provided outside of HPE standard business hours may be subject to additional charges.

Portions of the service are delivered remotely or onsite, at HPE's discretion.

HPE'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.

This service is delivered as a single event over consecutive business days during local HPE standard hours. Environments that require multiple engagements over a longer period of time are not included with this service and are available for additional cost.

Delivery of the Basic Integration service will not exceed a total of 10 HPE business days, including travel time.

Delivery of the Advanced Integration service will not exceed a total of 16 HPE business days, including travel time.

This service is delivered by no more than one HPE consultant onsite. Deliverables are accepted upon delivery.

## Ordering information

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 the HPE Scalify Software-defined Storage Integration Service, contact a local HPE sales representative and reference the following product numbers:

- **H1WU7A1** or **H1WU8A1** for HPE Scalify Integration Basic SVC (HPESDSDS or HPE Servers Big Data)
- **H1WU9A1** or **H1WV0A1** for HPE Scalify Integration Advanced SVC (HPESDSDS or HPE Servers Big Data)

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

## For more information

For more information about HPE Services, contact any of our worldwide sales offices or visit our website at:

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

