HPE Database Migration Assessment Service for Microsoft SQL Server

HPE Packaged Consulting Services

HPE Database Migration Assessment Service for Microsoft SQL Server provides flexible HPE consulting and integration tasks to help you estimate the effort of migrating your database to Microsoft® SQL 2014. These tasks can include assessing the addition of SQL Server 2008 and 2008 R2 as part of this service.

As part of this service, one or more HPE Microsoft SQL Server technology consultants will be assigned to your organization for a predetermined period of time based upon purchased service hours to assist with mutually agreed-upon HPE Database Migration Assessment–related consulting and integration tasks that are managed and directed by your organization. HPE will assign a senior Microsoft SQL Server DBA as a resource to your organization during the service duration provided with this service. In addition, HPE will provide, at no additional charge, a remote project manager, who will provide up to four hours of remote assistance for planning and organization.

You have the flexibility to choose from a variety of service activities and tasks described in this data sheet. Before the start of service delivery, you will agree with HPE Technology Services consulting upon the tasks that will be delivered during the first week of this service.

This service is sold in increments of one week, for onsite service assistance at a single location during country-specific standard HPE business days and hours excluding HPE holidays. These services will be delivered for one week over five consecutive workdays (40 hours in total) to assist with the mutually agreed-upon tasks.

During the service delivery, different tasks can be performed that are designed to help analyze the existing Microsoft SQL Server 2005 or 2008 database instances and determine the effort required to migrate them to a new infrastructure, either on premises or in the cloud.

Service benefits

- Can include an estimate of the potential cost reduction of licensing when consolidating your existing Microsoft SQL Server database instances during the migration

- Can provide recommendations on the correct sizing and configuration of the target environment

- Is designed to simplify the transition and transfer the risks involved in migrations and consolidations

- Makes use of different industry-standard tools like the Microsoft Assessment and Planning (MAP) Toolkit 9.2 and HPE's migration tools to facilitate the database migration assessment

- Complements your in-house IT team with assistance from HPE Technology Services consulting

- Provides a choice of tasks and activities that address both your technology and process needs

- Allows you to make adjustments to the work plans HPE creates based on your directions during consultation and review meetings with experienced HPE Technology Services consultants

- Can help simplify IT operational procedures by leveraging HPE best practices

Service feature highlights

- Kickoff meeting and agreed-upon scope and tasks

- Analysis of MAP Toolkit 9.2 metadata

- Start of analysis

- Categorization of the discovered databases

- Check of clustering and mirroring of databases

- Factors influencing the migration effort estimate

- Check of consolidation opportunities

- Determine if partially contained databases and user-defined server roles can be used on the target

- Identify application testing procedures

- Installation of Microsoft SQL Server Upgrade Advisor

- Pilot migration testing and acceptance

- Design and sizing of a target platform

- Estimate of migration duration

- Propose planning of migration waves

- Create and present migration/consolidation report

Table 2. Optional service features

Feature	Delivery specifications
Kickoff meeting and agreed-upon scope and tasks	During the kickoff meeting, the Customer and HPE will agree upon the scope and tasks that HPE will work toward delivering for the Database Migration Assessment Service for Microsoft SQL Server.
Analysis of MAP Toolkit 9.2 metadata.	HPE will provide an analysis of the MAP Toolkit 9.2 metadata for the SQL Server instances the Customer wants to analyze. The MAP Toolkit must be installed and run as a prerequisite to this service.
Start of analysis	After the Customer has performed the required discovery of their network in order to acquire the data about the Customer's Microsoft SQL Server instances, databases, and servers using the Microsoft MAP Toolkit 9.2, HPE will import the metadata into the migration tool for further analysis.
Categorization of the discovered databases	HPE will categorize and prioritize the database instances to be migrated/consolidated according to size, CPU usage, number of users, business criticality, high availability, and recovery-time objective (RTO)/recovery-point objective (RPO) requirements. This excludes the databases to be decommissioned.
Check of clustering and mirroring of databases	During this process, HPE will identify mirrored or clustered databases to be migrated to high availability groups.
Factors influencing the migration effort estimate	The following factors will influence the migration estimate that HPE provides to the Customer: • Database size • Number of tables • Compression and encryption • Source and target platform disk read and write speeds • Network transfer speed during copy in bytes/second, and whether the transfer speed is constant • Number of applications connected to the database • Number of clients connected to the database • Number of connection strings to be modified • Location where the connection strings reside

- Maintenance windows
- RPO/RTO
- Whether the database is mirrored or clustered
- Whether the database is virtualized or not
- Number of stored procedures/triggers

Check of consolidation opportunities	HPE will identify consolidation opportunities for the Customer, potentially reducing the licensing costs, and grouping databases with similar security and RTO/RPO requirements into common instances.
Identify if partially contained databases and user-defined server roles can be used on the target	HPE will determine if partially contained databases and user-defined server roles can be used on the target.
Identify application testing procedures	HPE will determine if application testing procedures exist and are documented, and whether the Customer has resources for testing.
Installation of Microsoft SQL Server Upgrade Advisor	HPE will install Microsoft SQL Server Upgrade Advisor on instances when needed and analyze the results.
Pilot migration testing and acceptance	Working with the Customer, HPE will identify 10 databases for pilot migration testing. HPE will set up the pilot testing environment and execute pilot tests, as well as compare the performance on the source and target.
Design and sizing of a target platform	HPE will propose a high-level design for the target infrastructure.
Estimate of migration duration	Using the HPE Migration tool and previous migration tool metrics, HPE will provide the Customer with an estimate of the database set migration duration, including adjusting the effort based on pilot results.
Propose planning of migration waves	HPE will provide the Customer with a proposal for planning the migration waves.
Create and present migration/consolidation report	As part of the Database Migration Assessment Service for Microsoft SQL Server, HPE will provide the Customer with a report containing the summary and recommendations for the best possible way to migrate and or consolidate the categories of database instances and databases. The report will include an estimate of the cost of migration, a design of the target infrastructure, and suggested waves of migration.

Service limitations

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.

Any HPE recommendations are provided with the intention of helping the Customer to understand and assess the migration effort to Microsoft SQL Server 2012 or 2014. Any implementation of the recommendations that result as output of this service is outside the scope of this service. These considerations can be quoted separately. Please contact an HPE support specialist for more information.

Services will be delivered during standard local HPE business days and hours excluding HPE holidays.

HPE will stop work when the purchased service hours are exhausted. HPE will not provide service assistance beyond the service hours purchased by the Customer.

HPE resource time is limited to one working week (consisting of five consecutive days) of service assistance, totaling a maximum of 40 hours.

Service deliverables are accepted upon delivery.

Service hours are inclusive of onsite and offsite time. Travel expenses will be charged separately.

This service must be delivered within 120 days of the date of purchase.

This service will not provide any estimates on the effort required to perform application code changes or modernization.

Travel zones

Travel and expenses are included as part of this service.

Prerequisites

MAP Toolkit 9.2 must be installed and run prior to service delivery.

The Customer is responsible for the installation, configuration, and monitoring of the Microsoft MAP Toolkit 9.2 or later, which will be used to gather database metadata and provide that information to the HPE consultants who will deliver the Database Migration Assessment Service for Microsoft SQL Server. HPE offers telephone assistance to customers who have difficulty installing the MAP Toolkit on a workstation in their network. HPE will not store accounts and passwords. No user data is stored when using the MAP Toolkit; only database metadata is stored.

Before the start of service delivery, HPE and the Customer will agree upon the tasks and scope of this service.

Customer responsibilities

These services are managed and directed by the Customer. Therefore, it is the Customer's responsibility to direct the HPE resource efforts in the most effective manner.

The Customer will:

- Provide all the information to HPE required for making migration/consolidation decisions during the execution of the Database Migration Assessment Service for Microsoft SQL Server; the unavailability of Customer representatives or of vital information may delay the service

- Assign a designated point of contact to serve as a focal point for all activities during the course of service delivery

- Purchase or provide all hardware, software, licenses, staff, current maintenance contracts, and environments necessary for HPE to provide this service

- Provide a resource to configure all network infrastructures necessary for HPE to provide this service

- Provide a suitable work area commensurate with the number of onsite HPE consultants, including desks, chairs, and telephones, and at least one analog line suitable for modem digital data transmission for communicating with HPE's network remotely

- Allow HPE consultants access to locations where the service is to be delivered

Ordering information

HPE Database Migration Assessment Service for Microsoft SQL Server can be ordered using the following product number: H0JR9A1.

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/platformconsulting

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