

Pointnext Consulting Services for MS SQL Server Modernization Destination: MS SQL Server 2019

1-day technical workshop

HPE Database Modernization 1 day Workshop

Workshop to meet the needs of Customer organization, including:

- Rapid Assessment & Data Platform Solution modeling
- Application review & Architecture design session
- Review of Data Platform Solutions with Microsoft SQL 201 and related HPE Converged Infrastructure solutions
- Potential Modernization Tooling Demos

- An End-to-end Modernization report out of findings and recommendations, to include :

- Draft Work Breakdown Structure
 - Tasks
 - Timeline
 - Resources
 - Dependencies
- Database complexity metrics and score
- Roadmap and Plan in PPT format

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- Profile and score your database landscape
 - Microsoft Data Platform featuring SQL 2019
 - Overview of HPE Converged Systems Offerings

Quick Assessment

DB Profile:

- Total Number of User Databases
- Total Number of Servers [P or V]
- Average Number of SQL Instances
- Total Number of Applications
- % of Servers in Multiple Locations
- % of Databases replicated in Multiple Locations
- % of Instances Clustered
- % of Databases replicated in Local Site
- Average Database Size [data, index, log]
- Average number of User Database Objects
- Average number of Users per Application
- % of Applications with Embedded SQL

Modernization Solution Modeling

HPE Solution Modeling Tool





A draft Work Breakdown Structure including:

- Suggested tasks
- Task timeline
- Assessment
 - database size, complexity and connected applications
- End-to-end Migration
- Rough Order of Magnitude
 - Roadmap and Plan

Database +
DB Complexity
Score



HPE Database Modernization – Source/Target

Source	Modernization	Target
 <p>Remediate and Convert expired or expiring SQL Versions</p> <ul style="list-style-type: none"> • 2000 + 2005 • 2000, 2005, 2008/R2, 2012 • T-SQL compatibility • Azure readiness 	<p>Assess, Design, Consolidate, Transform & Migrate:</p> <ul style="list-style-type: none"> • Application [SQL usage – Conversion] • Conduct POC with tests / success criteria • Cap growth calculation and tier selection • Application and SQL transformation • Application Testing • Database Migration Groupings • Database upgrades • Storage Consolidation • Virtualization and Azure/AWS Provisioning • Load Balancing capability • High Availability [RAC – AlwaysOn] • System Management tools • Disaster Recovery • Production Roll-out • Follow-on Knowledge Transfer & Training 	<p>DBaaS</p> <ul style="list-style-type: none"> • Virtualized Database • Azure SQL Database • Postgres/EDB on GreenLake
 <p>Convert and Transform Oracle Versions</p> <ul style="list-style-type: none"> • 9i, 10g, 11i, 12 • PL/SQL conversion • Code refactor / Re-plat • OS services and Provisions 		<p>IaaS</p> <ul style="list-style-type: none"> • Virtualized Machines • SQL Server on Azure VM • SQL Server on Azure Stack • SQL Server on AWS • Postgres/EDB on Azure VM • Postgres/EDB on AWS
 <p>Convert and Transform [IBM] DB2 Versions</p> <ul style="list-style-type: none"> • 10, 11.x + • SQL conversion • Code refactor / Re-plat • OS services and Provisions 		<p>Virtual</p> <ul style="list-style-type: none"> • SQL Server • Oracle • Postgres/EDB • Virtualized Machine + Appliance • Windows and Linux
 <p>Convert and Transform [SAP] SyBase Versions</p> <ul style="list-style-type: none"> • 12, 15, 16 • T-SQL conversion • Code refactor / Re-plat • OS services and Provisions 		<p>Physical</p> <ul style="list-style-type: none"> • SQL Server • Oracle • Postgres/EDB • Physical Machine (raw iron) • Windows and Linux

Database Modernization 1 day Workshop – Draft Schedule

- **9am** – Introductions
- **9:30-10** – Overview and Discussions of SQL Modernization process and flow
- **10-10:30** – Customer Overview of current IT landscape and context
- **10:30-12** – HPE White boarding of SQL Modernization for the Customer
- **12-1** – Lunch Break
- **1-3** – Solution IT Modeling session [producing draft deliverables – Final deliverable[s] available within 3-4 business days]
- **3-4** – Detailed Solution discussion, potentially Modernization tools DEMO
- **4** – Wrap-up

Database Modernization 1 day Workshop – Resource Schedule

- Customer**
- Applications Development Management and Staff
 - DBA Management and Staff
 - System Engineering Management and Staff]
- HPE**
- Regional SQL Modernization Lead
 - Potentially WW SQL Modernization Lead
 - Potentially Converged Systems SME
 - Account Team
- Microsoft [potentially]**
- Regional SQL 2019 SME / Lead

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