Improve Agility and Performance of Your Applications with Microsoft Azure Stack

DXC Technology and HPE
Transformation to digital

Move my applications and my development to cloud

Update my apps once or twice per year

Continuous delivery and integration

Move to DevOps and CloudOps Model

Stable
- Workload optimized
- Packaged applications

Empty & close my Data Centre

Manage E2E performance

Dynamic
- Workload and workflow optimized
- Mobile, cloud native applications
Azure application transformation considerations

Quick Hits
- Identify transform apps to Azure native in weeks

Cloud Native
- Build Cloud Native applications

SharePoint
- Migration to Azure SharePoint with functional equivalency

Tech Refresh
- Combine Azure adoption with legacy technical debt remediation programs

Database
- Homogeneous and heterogeneous migrations to Azure managed data services

Websites
- Migrate intranet, public, or mobile websites with maximum native PaaS integration

Business Apps
- Replicate complex Enterprise and COTS environments on Azure

Cloud Migration
- Azure migration using Microsoft’s native solution
Operationalize digital transformation via standardized and automated model

- **Assess & Plan**
  - Datacenter discovery data, CMDB, interviews
  - Source data
  - Existing test plans
  - Non-functional requirements

- **Design**
  - Database discovery details, remediation tools, Test cases
  - Test data

- **Migrate & Test Servers**
  - Application discovery details, remediation tools, Test cases
  - Test data

- **Remediate & Test Applications**
  - Integration test environment
  - Test cases and test data

- **Migrate & Test Applications, Data & Interfaces**
  - Production plan
  - Migration windows
  - Runbooks
  - Deployment scripts, blueprints

- **Release to Production**
  - Database and application code
  - Configuration files

- **Decommission Apps, DB & Infrastructure**
  - Source data
  - Existing test plans
  - Non-functional requirements

**Inputs**
- Integrated planning IT/business
- Data center discovery
- Dependency mapping and wave plans
- Detailed assessments

**Activities**
- Finalize target architecture/landing zones
- Database and code analysis
- Logical and physical design
- Test plans/cases/script
- Standardize deployment

- Setup Migration Sandbox
- Migrate database schema
- Run mock migrations to test
- Migrate data
- Data migration validation and reports

- Run assessment tools
- Make changes: application code, configuration files
- Compile and unit test applications
- Prepare mocks for database interfaces

- Deploy/test applications, databases in test environment
- Test performance and security
- Fix application, interfaces code, database configuration

- Automated deployment scripts, release notes
- Cut-over tools to increase throughput

- Decommission database and archive data
- Decommission applications
- Decommission infrastructure

**DXC Managed Services for Azure and Azure Stack**
Operationalizing Azure Stack

DXC Managed services for Microsoft Azure Stack

**Azure Stack architecture and deployment:**
Workload assessment, workload placement, solution architecture and design, Azure Stack deployment. We’ll work with HPE to simplify your experience.

**Financial management:** A suite of financial options for your Azure Stack platform, support for EA and CSP models for Azure, coupled with Azure’s consumption pricing model and financial management tools to ensure ongoing cost transparency and supervision.

**Operational Support:** DXC will manage your Azure Stack infrastructure, including management of the Azure Stack core for configuration, capacity, performance and availability management, event, incident and change management.

**Security and compliance:** We’ll integrate Azure Stack with your enterprise and Azure infrastructure, and perform security and compliance audits to ensure your compliance needs are met and risks mitigated. Our own security and compliance standards ensure that you meet yours.
Use case: Real-Time and Staged Data Analytics

Business Requirement:
Collect plant floor data requiring immediate analysis. Conduct resource intensive analysis of data when connectivity is reestablished.

Azure Stack Solution:
• Ability to analyze data when a public cloud is too latent or unavailable.
• Continuously enable streaming analytics, co-relation, searching & monitoring

Business Outcome:
• Increase access to data to drive product portfolio
• Just in time inventory
• Reduce defects
## Case Studies – Windows 2008 and database migration for Azure and Azure Stack

<table>
<thead>
<tr>
<th>Client</th>
<th>Business need</th>
<th>DXC solution</th>
<th>Client outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multinational Conglomerate</td>
<td>► Reduce operational costs and level of effort needed to maintain and patch legacy apps running on Win 2008 and older platforms</td>
<td>► Moved 2008 applications into Docker containers and ran them on Azure Container Services</td>
<td>► Reduce app TCO by using cloud pay-as-go model</td>
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<tr>
<td></td>
<td>► Reduce operational costs due to apps running on Win 2008 Servers</td>
<td>► Containerization of Win 2008 workloads using DXC's aCaaS service</td>
<td>► Reduced operational cost by eliminating existing admin tasks</td>
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<td></td>
<td>► Enforce PCI compliance policies</td>
<td>► Apps and workloads deployed to Azure Kubernetes</td>
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<tr>
<td>Airline</td>
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<tr>
<td>Large Gas &amp; Electric Utility</td>
<td>► Improve IT operational efficiencies</td>
<td>► Migrated 2008 servers to hybrid service delivery model comprising of Azure, managed private cloud and dedicated infrastructure</td>
<td>► Migrated 91 apps to Azure PaaS and 10 apps to Azure IaaS</td>
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<td></td>
<td>► Define a model for investing in the right applications to be migrated from Win 2008 to cloud</td>
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<td>► Significant reduction in IT footprint resulting in cost-savings</td>
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<tr>
<td>Large Bank</td>
<td>► Upgrade unsupported Microsoft databases and move to Azure</td>
<td>► Upgraded SQL Server 2000 and 2005 to SQL Server on Azure with SQL Upgrade Advisor and SSMA to convert to new Azure Syntax.</td>
<td>► Application performance increased by 34%</td>
</tr>
</tbody>
</table>

DXC solution

- Moved 2008 applications into Docker containers and ran them on Azure Container Services
- Containerization of Win 2008 workloads using DXC's aCaaS service
- Apps and workloads deployed to Azure Kubernetes
- Migrated 2008 servers to hybrid service delivery model comprising of Azure, managed private cloud and dedicated infrastructure
- Upgraded SQL Server 2000 and 2005 to SQL Server on Azure with SQL Upgrade Advisor and SSMA to convert to new Azure Syntax.
The DXC, Microsoft and HPE partnership

Unmatched depth, breadth and quality of customer-driven services and solutions from global innovation leaders and partners with a commitment to enriching the Microsoft platform

### DXC Technology

- **Hybrid IT**
  - DXC offers full support for Azure and Azure Stack
- **SAP Future proof**
  - SAP on Azure: 19M+ Exchange & 1M+ SharePoint Server seats deployed/under management
- **DXC Analytics on Azure**
  - Migration services include workload migration and design architecture.

### Microsoft

- **Secure communications**
  - Azure offers a wide range of encryption capabilities
- **Certifications**
  - More certifications than any other cloud provider
- **Security**
  - Security designed into your Azure architecture
- **Multi-cloud Security Maturity Assessment**
- **Integration with Identity and Access Management (IAM) on Azure**
- **Migration factory**
  - >715 million Azure Active Directory users
  - 120,000 New Azure customer subscriptions/month
  - 150 billion Azure SQL query requests processed/day

### HPE

- **50% more**
  - Computing capacity, increasing memory bandwidth by up to 28%
- **Security – Security**
  - Redmond & Geneva: POC, multinode testing & SME access
- **Consumption pricing**
  - for pay-as-you-go plus alternative lease and purchase options
- **Faster problem resolution**
  - with integrated management tools
- **SAP Future proof**
  - SAP on Azure
- **DXC Analytics on Azure**
  - Migration services include workload migration and design architecture.
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- **Multi-cloud Security Maturity Assessment**
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- **Migration factory**
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### Key Statistics

- **120,000** New Azure customer subscriptions/month
- **19M+ Exchange & 1M+ SharePoint Server seats** deployed/under management
- **>715 million** Azure Active Directory users
- **120 billion** hits to websites run on Azure Web App Service

### Expertise

- **20,000 MSFT-professionals**
- **$50m annual investment in MSFT partnership**
- **>30 years** Microsoft partnership
- **>120 billion** hits to websites run on Azure Web App Service

### Awards

- **#1 ProLiant DL380 World’s Best-Selling Server**
- **80% of leading IOT providers are HPE OEM customers**

### Partners

- **#2 Pure Play Services Company Worldwide**
- **400 Of the Fortune 500 are our customers**
- **Expertise Cloud solution providers**
- **4,000 Technical experts**
  - Deep expertise on Azure and hybrid cloud technologies
Making the right move

1. **Review cloud strategy**—Checkpoint that Azure Stack business case and ROI is achieving the expected benefits and savings. Review workloads that are in line with use cases.

2. **Plan a deep-dive workshop**—Schedule a cloud workshop to learn how DXC & HPE can help realize the value, agility and flexibility of Microsoft Azure and Azure Stack. See how we support compliance and other challenges adopting public cloud.

3. **Leverage our Azure expertise** to provide the right business outcome for your client.
Thank you