SAP on Microsoft Azure
Customer Trends

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Introduction

• IHT and our business
• The focus of this presentation
• Why customer trends are important to Industry focus
• Examples of customers moving to Azure
• Architecture
• Roles and responsibilities
Migrate from SAP BW on ANY DB in legacy database to HANA Large Instance dedicated hardware in Microsoft Azure

Motivation
- Desire for better performance
- Generational hardware refresh
- Infrastructure flexibility /speed deployment times

Result
- Closed books in ~50% of time for financials reporting to street
- Used multiple landscapes to isolate project activities for short periods of time
- Deployed Dev / Test to Virtual Machines for flexibility
- Post-go live are now testing Production workloads on IaaS Virtual Machines and as a result are able to provide Project teams with Production copies in very fast turn-around times
- Leverage tools for Azure automation tasks to improve ROI, duplication and rollout of SAP system landscapes
Use SAP HANA In-Memory capabilities to analyze consumer spend cycles, product sales volumes

Motivation
- Flexible data warehouse platform
- Time to implement / realization
- Performance

Result
- Flexibly deployed SAP HANA on Microsoft Azure Large Instances in a Highly Available configuration to allow rapid reporting / analysis of results
- Improve decision making on Financial and Supply Chain objectives
Industry: Utilities

Initiative: Datacenter replacement

Region: Canada

Migrate entire datacenter to Microsoft Azure

Motivation
- Cloud first strategy
- Agility
- Infrastructure elasticity and cost
- Turn infrastructure off when not in use

Result
- Migrated entire SAP and datacenter footprint from hosted site to Microsoft Azure
- Over most recent Christmas holiday, used automation to shut off SAP Instances, Databases and VMs to conserve compute on ~50%+ of SAP Landscape
Migrate entire datacenter to the Cloud, with SAP as the leading workload

Motivation
- Cloud first strategy
- Datacenter retirement / consolidation
- Generational hardware refresh
- Inflexibility in current landscape
- SAP Platform TCO

Result
- Migrated entire SAP footprint from AIX/Oracle/Power in the datacenter, to Azure, alongside entire non-SAP footprint
- Increased agility, increased performance, reduced costs
- Ease of adoption of PaaS and hybrid solutions and services
- Direct quote “2600% IOPS reductions after moving from Oracle to SQL, in some cases”
Industry

Electronics / Manufacturing

Initiative

SAP HANA Data Warehouse

Region: Midwest US

HANA Migration & datacenter retirement

Motivation
- Consolidate systems into a consistent build pattern and increased capacity which did not exist on-premise
- Improve overall financial reporting and analysis for streamlining system engineering efforts and supply chain for manufacturing and MII process

Result
- Faster turnaround for executive reporting, fiscal period close to improve responsiveness internally for sales/supply chain efforts and overall external visibility for markets
Provide SAP Project testing and training teams with up to date, accurate data in a timely fashion

Motivation
- Inflexibility in current on-premise landscape
- Outdated test data
- Limitations on system availability

Result
- Copied SAP Systems into Microsoft Azure (including OS Platform change)
- Used automation tools within Azure / PowerShell to copy entire SAP systems within 15 minutes.
- Able to provide testing and training systems in an on-demand fashion, with cost aligned to usage