Best Practices for Cloud Migration and Acceleration, within a DataOps framework

Adrian Johnson, Hitachi Vantara
Chris Drieberg, Hitachi Vantara
Best Practices for Cloud Migration and Acceleration, within a DataOps Framework

Adrian Johnson
VP and Managing Director ANZ
“Without data you’re just another person with an opinion.”

W. Edwards Deming
Why will Data drive a Change in the Business Model

- Changing Consumer Expectations
- Control Costs
- New Markets and Fast Adoption
- Rising Cybersecurity Threats
Game-Changer Technologies

- **27%** AI
- **22%** Data Analytics
- **11%** Cloud
- **7%** IoT
- **2%** API’s
- **2%** Business Intelligence
- **2%** Immersive experience
- **3%** Mobile (inc 5G)
- **3%** Blockchain
- **2%** RPA
- **1%** CRM
- **5%** Data Analytics
- **7%** Cloud
- **11%** IoT
- **22%** AI
- **27%** Data Analytics
- **54%** Game-Changer Technologies
Your DataOps Advantage

Right data. Right place. Right time.

Accelerate data-driven innovation
- Improve business agility
- Speed the development of actionable insights

Automate and scale data governance
- Available and secure data
- Automate data management for protecting, securing, retaining, and sharing data to ensure compliance

Optimize for multicloud
- Run Apps Anywhere
- Automate the data migration from edge to core to cloud to reduce costs and optimize access.
Best Practices for Cloud Migration and Acceleration, within a DataOps Framework

Chris Drieberg
CTO & Director, Pre Sales ANZ
Virtual Data Driven Data Centre
Yesterdays Disruptors are Todays Digital Edge

Technology is maturing and disruptive technologies are becoming mainstream commodities.
Modern Data Centre Solutions

Converged Infrastructure
Leveraging VSP Storage Leadership
VMware, Container Workloads,
Hitachi Enterprise Cloud

Oracle Databases
Oracle RAC
Oracle DWH Offload

UCP for SAP Environments
SAP Hana Scale up
SAP Hana Scale out
SAP Hana Appliances or TDI

UCP CI for Converged

UCP HC for VMware

UCP RS for VCF or Hadoop...

Hyperconverged using vSAN
Leveraging certified VMware vSAN ReadyNodes™

Hyperconverged at Scale
Private, Hybrid & Multi Cloud
Hadoop Data Lakes, NoSQL
Deep Data Science Analytics

Cisco & Hitachi Adaptive Solutions
Converged Infrastructure for VMware, Containers,
OpenStack
Complexity of CLOUD

Customers are using an average of 5 different CLOUD platforms
94% of Enterprise Customers USE a CLOUD SERVICE

- **91%** Public Cloud
- **72%** Private Cloud
- **43%** On Premise
- **69%** Hybrid or Multi Cloud
Accelerate Your Cloud

Application Modernization
Modernise enterprise applications and systems to automate operations.

Cloud Consulting
Automate management of applications and workloads to streamline cloud.

Cloud Accelerator Platform
Achieve stringent compliance and governance requirements for your cloud.

Cloud Migration
Migrate workloads to cloud with automation-based accelerator platform.

Cloud Operations
Complete, modern infrastructure management with world-class governance.

Hitachi Enterprise Cloud
Deploy and operate cloud with fully managed hybrid cloud as a service.

Hitachi Enterprise Cloud for VMware and Cloud Native Environments.
Customer Viewpoint

“Unified Compute Platform HC’s all-in-one, single-vendor solution, with native VMware integration, made it easy to meet our performance and availability needs.”

“Unified Compute Platform HC enabled us to meet business timelines and delivered a robust platform to support new initiatives, without requiring a dedicated team.”
Lumada Solutions Framework

Goal: Fast & Simple

Results: Better Time-to-Value
Better Business Outcomes
Hitachi UCP QuickStarter Packs

Solution Bundle Inclusions
- Four or more Nodes
- CISCO switching as per Pack Edition
- Hitachi UCP Advisor
- 5TB HCP Premium lic. + Capacity
- VMware Software as per Pack Edition
- Qtrly Remote System Check
- Hitachi University Training Units
- Hitachi Implementation & Support

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<th>VM sizes</th>
<th>vCPU</th>
<th>vMem (GB)</th>
<th>vHDD (GB)</th>
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T-Shirt Soln Size | Small VMs | Medium VMs | Large VMs | vHCP |
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<td>Large Design</td>
<td>40</td>
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UCP QuickStart Bundles - Three Editions
- Bare Metal QuickStart Bundles
- QuickStart-Hyperconverged Bundles
- QuickStart-Private/Hybrid Cloud Bundles

Various Upgrade Options

SMART 
MEDIUM 
LARGE
QuickStart Scalable Bare Metal Base

- 4 Nodes per Bundle
- HCP licenses and 5TB add. capacity INCLUDED
- Optional additional nodes
- Optional vSAN Licenses
- Optional Cisco Switching
- Optional Implementation Services
- Qtrly Remote System Check
- Prof. Services Units + Hitachi University Units

Use Cases
- Analytics at Core or Edge
- Hyperconverged Base
- vHCP Use Cases
- Additional Work Load Domains for Cloud Starter Bundles

**Per Node / Per Cluster**
- SMALL
  - 20 / 80 Cores
  - 192GB / 776GB Mem
  - 4.9TB / 20TB Usable
  - All Flash

- MEDIUM
  - 36 / 144 Cores
  - 384GB / 1.5TB Mem
  - 8.78TB / 35TB Usable
  - All Flash, NVMe Cache

- LARGE
  - 48 / 192 Cores
  - 512GB / 2TB Mem
  - 8.8TB / 35TB Usable
  - All NVMe, Optane Cache
QuickStart Hyperconverged

- 4 Node Starter Pack - Sml, Med, Lrge
- Scalable with multiple packs or extra nodes
- Adv or Ent. vSAN Licenses and Impl.
- Optional Cisco Switching
- Optional additional nodes
- Quarterly Remote System Check
- Professional Services Units
- Hitachi University Training Units

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Per Node / Per Core
- LARGE
  - 48 / 192 Cores
  - 512GB / 2TB Mem
  - 8.8TB / 35TB Usable
  - All NVMe, Optane Cache

Optional

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QuickStart Private/Hybrid Cloud

- 4 Node Starter Pack – Med & Lrge
- Scalable with multiple packs
- Optional additional nodes
- Optional management cluster
- Enterprise VCF Licenses and Implem.
- Cisco Switching Included
- Quarterly System Check Service
- Professional Services Units
- Hitachi University Training Units

Per Node / Per Cluster
- 36 / 144 Cores
- 384GB / 1.5TB Mem
- 8.78TB / 35TB Usable
- All Flash, NVMe Cache

Per Node / Per Cluster
- 48 / 192 Cores
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As Featured on Hitachi’s Stand & Hybrid Cloud DEMO
Hitachi Vantara Innovates and Partners To Deliver Outcomes for Our Customers
Vision

**Plug-n-play Infrastructure Solutions**
- Optimized and certified infra solutions for mission critical apps/DBs, big data, BI and AI
- Ecosystem integration, migration and management offerings

**Optimized Data Placement & Movement**
- Composable, managed & federated data lakes
- Data offload solutions, cloud integration

**Access ‘All Data’ Anywhere**
- Accessibility agnostic to data location
- Intelligent and assisted data federation

**Insight using ‘All Data’**
- AI (ML/DL) & IoT solutions with ERP/EDW integration
- Verticalized algorithmic-template offerings
Thank You!
Join the conversation

#vFORUMAU  @VMwareAU