

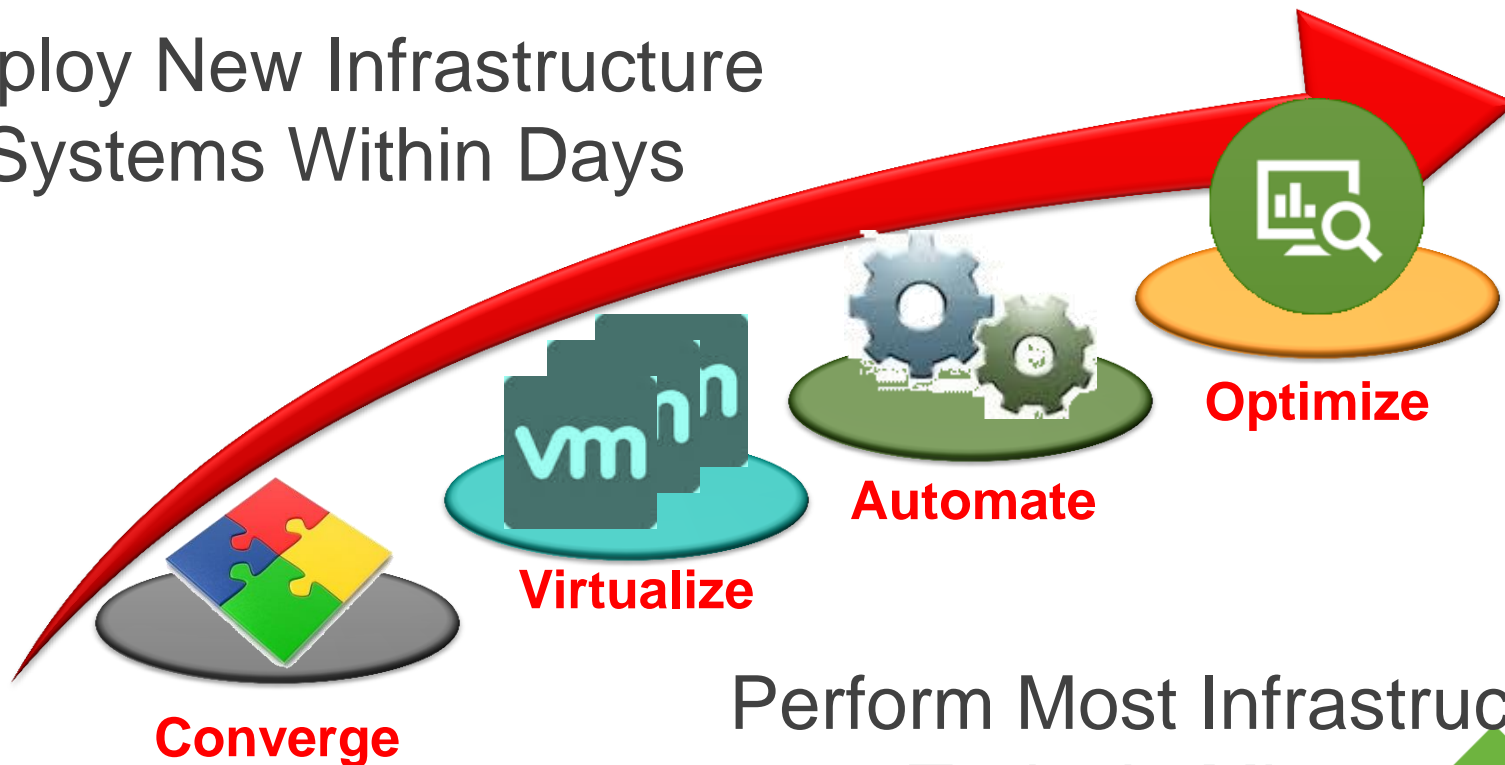
# READY FOR **ANY** vForum2015

9 December 2015 | Taipei, Taiwan

## Simplify IT Management with Hitachi and VMware

Phoenix LIANG, Technical Manager, HDS Taiwan

## Deploy New Infrastructure Systems Within Days

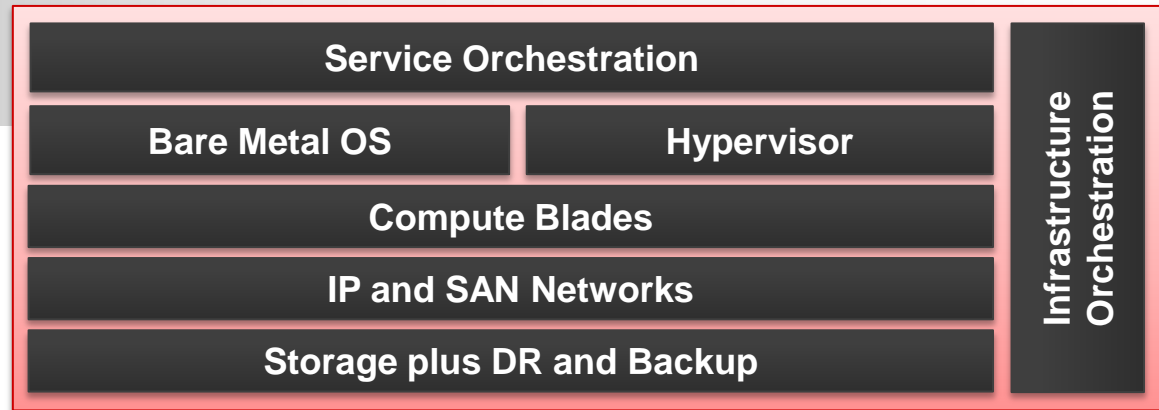
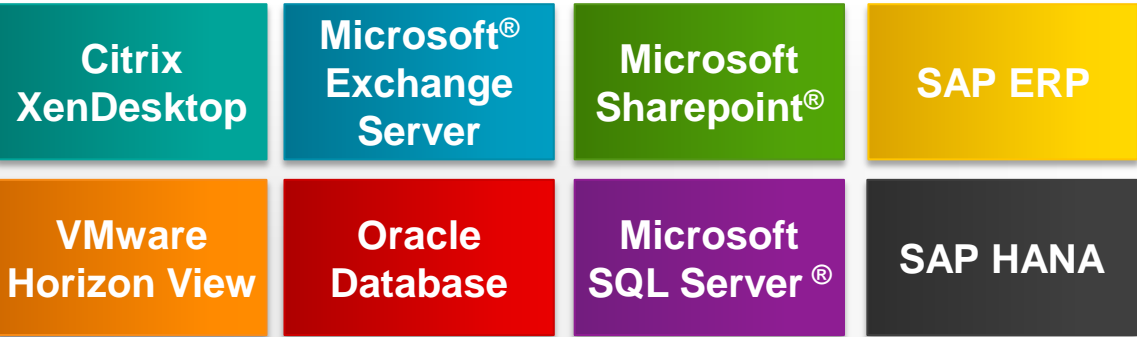


## Perform Most Infrastructure Tasks in Minutes

# Hitachi Unified Compute Platform (UCP) One Platform for All

**HITACHI**  
Inspire the Next

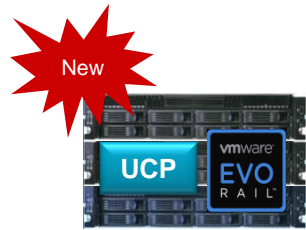
Application Optimized, Open, Reliable, Performance and Automation



Pre-engineered With  
Single Vendor Support

# Unified Compute Platform Portfolio

UCP 1000



UCP 2000



UCP 4000E



UCP 4000 and  
UCP Select\*



UCP 6000



Management, Automation, and Orchestration

- Portfolio expansion offering platform choice to address any workload
- Accelerate infrastructure deployment to the speed of business
- Operational efficiency through automation and self-service

# Hitachi UCP Director Automation of Converged Infrastructure

VMware vCenter Server

VMware vROps

Microsoft System Center



UCP Director is single infrastructure automation software integrated into VMware and Microsoft

RESTful API

Visibility

Provision

Operate

Monitor

Protect



# Hitachi Virtual Infrastructure Integrator v3.0

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## Efficient Data Protection

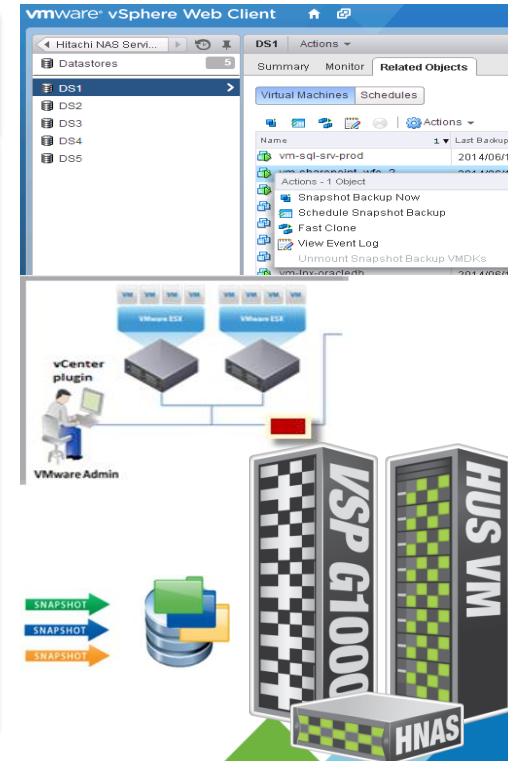
- VM integrated storage snapshot backup
- Zero backup window and efficient capacity management
- Support block and file VMware deployments

## Simplified Operations

- Integrated VMware UI experience
- Predefined and flexible backup policies
- API enabled for DP extensibility

## Risk Reduction

- More RPOs, better RTO with granular recovery of virtual machines
- App-consistent
- Search and retrieve specific VM data



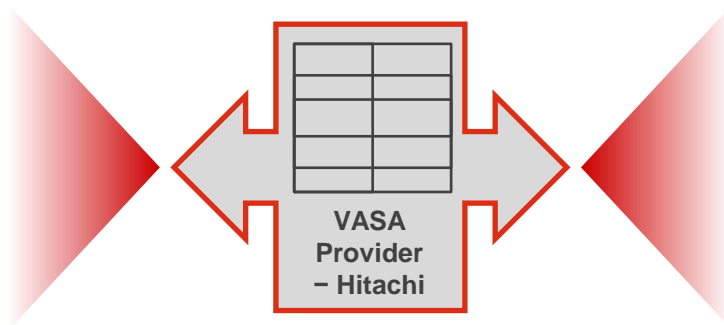
# Application-Centric Management

- Business – I need xyz VM service today – and it may change
- vSphere Admin – what type of storage data services am I going to get?
- Storage Admin – what type of application workload are you deploying?

Need policy framework to do this efficiently....

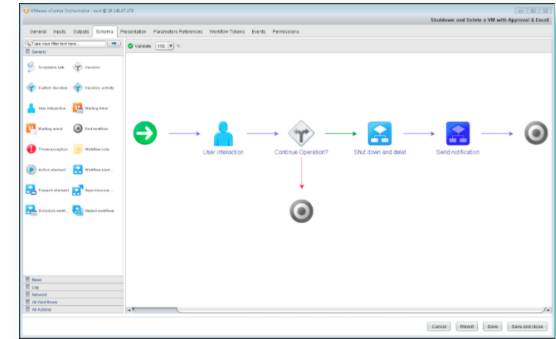
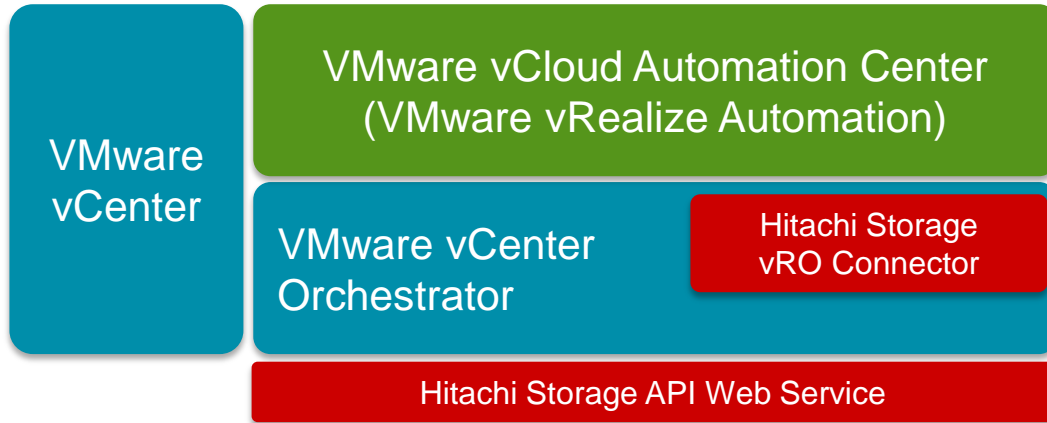


vSphere admin  
requests  
capabilities

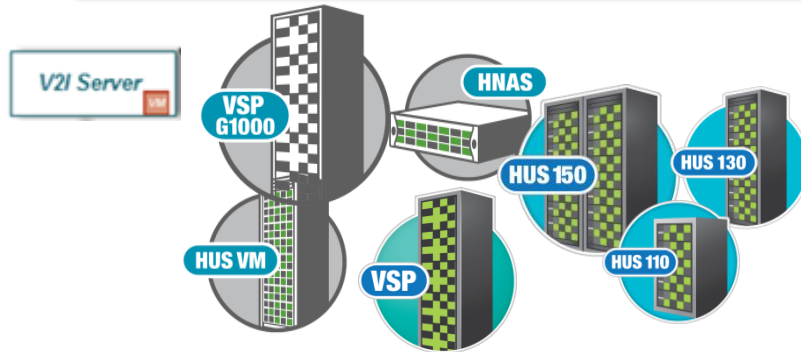


# Hitachi Storage Connector for VMware vRealize Orchestrator: Automation

Enables Automation of Hitachi Storage Services



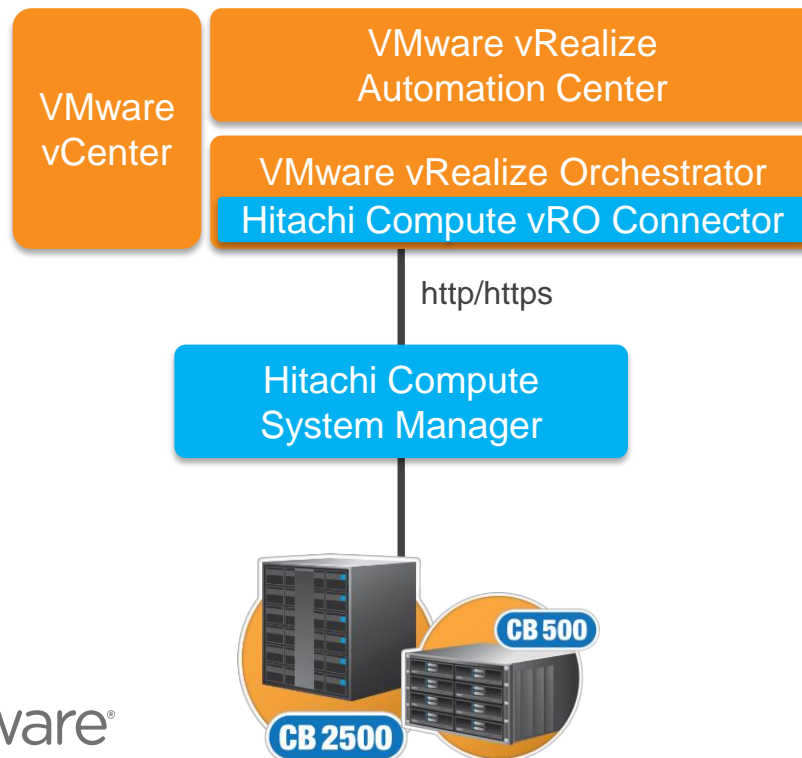
- vCloud provisioning storage resources workflows
  - Pool, FS, LUN, host access
- vCloud clone, backup and recovery workflows
  - LUN, datastore and VM level (Hitachi Virtual Infrastructure Integrator)





# Hitachi Compute Connector for VMware vRealize Orchestrator: Automation

Rapidly design and deploy scalable workflow and automation complex IT processes

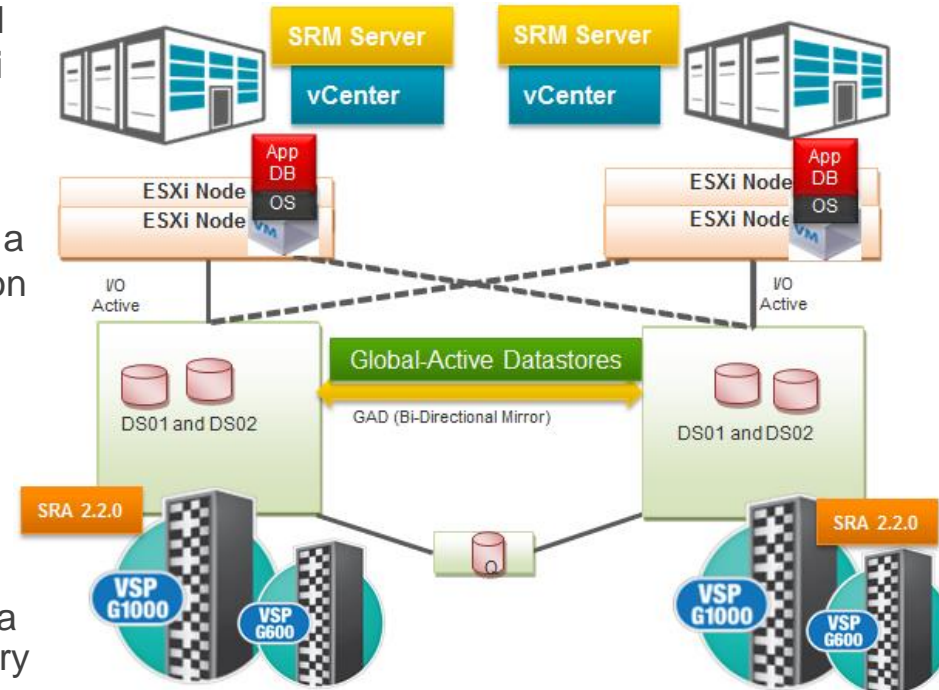


- Accelerated deployment of compute resources
  - Customized automation with workflows
- Quick issue resolution
  - Avoid errors with reusability
- Discovery and management of server components
  - Chassis, blade, memory

<https://www.youtube.com/watch?t=250&v=ysAP4py3RCU>

# Hitachi's Stretched Storage With SRM

- Deliver VM Availability with Hitachi VSP
  - A metro storage cluster configuration with SRM orchestration combined with integrated **Hitachi Storage Global Active Device** technology
- Best of Both: DR and Workload Mobility
  - Delivers non-disruptive auditable DR testing in a high availability disaster avoidance configuration
  - Delivers orchestrated live migration of set of VMs
- Simplified Management
  - Admin flexibility to manage two site HA configuration independently
  - Add Hitachi Virtual Infrastructure Integrator data protection appliance for VM operational recovery to complete the solution



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