Automatisering av datacenter
- Dröm eller verklighet?

Greger Jerlehagen
Product Sales Specialist Data Center
IT Challenges

- 24% pre-system deployment
- 23% turning on and preparing for applications
- 29% monitoring, update and patch management, health monitoring, troubleshooting

Organizational effectiveness hinges on IT efficiency
IT environment increasingly complex

Source: IDC, 2011
New Economics in Data Center
Converged Infrastructures

- 30% Cost Reduction
  - Infrastructure Costs

- 30% Faster Execution
  - Application Performance

- 60% Cost Reduction
  - Power Cooling

Management and Automation Is Key

- Converged Infrastructure
  - Provide part of the solution
  - Have positive impact on Capex & OpEx
  - Do not provide fully automated provisioning
  - Do not provide full insight into utilization of physical and virtual resources
Cloupia Unified Infrastructure

Secure Cloud Container
- vNetwork
- vCompute
- VMs
- Storage

Policy Driven Provisioning

Self-service Delivery

Model-based Management
- Virtual Platform
- Compute
- Network
- Storage

Cisco Cloupia
Unified Service Delivery

Tenant A
Tenant B
Tenant C
Cisco Cloupia
Key Differentiators

Model-based Orchestration
Drag ‘n drop workflow creation
Day 1 – 3 maintenance and reuse

- Add tenants
- Migrate or add applications
- Integration with enterprise systems
- Self-service portal

Day 1

Rich API and Extensible Platform

Day 2
- Monitor Performance Trends
- Consumption/showback
- Tenant changes
- Self-service IaaS

Day 3
- Add/Upgrade HW
- Repurpose & Reuse

Mobile deployment and Management (CloudGenie)
With Cloupia

- Reduces Total Cost of Ownership
- Automated Service Delivery
- Unified Management (Single Pane of Glass)
- Comprehensive Solution (Virtual and Physical)
- Simplifies Operational Management

- Deploy 2x Capacity with No Added Staff
- IT Staffing
- 90% Less Time
Cloupia Overview
Cisco Cloupia

Unified end-to-end management and automation
  Model-based orchestration

Multi-vendor; multi-protocol support of converged infrastructures
Transform Manual to Self-Service Delivery

- What to offer
- How to deliver
- Who's using what?

Automation delivers:
- Speed
- Consistency

I Need Stuff

Compute
Network
Storage
Task Library

Rapid Creation of Orchestration Workflows

Over 400 tasks across industry standard devices

Drag ‘n drop creation

UCS Tasks

- Select UCS Server
- Reset UCS Server
- Power On UCS Server
- Power Off UCS Server
- Create UCS Service Profile from Template
- Create UCS Service Profile
- Select UCS Service Profile
- Modify UCS Service Profile Boot Policy
- Delete UCS Service Profile
- Associate UCS Service Profile
- Disassociate UCS Service Profile
- Create UCS Boot Policy
- Modify UCS Boot Policy LUN ID
- Clone UCS Boot Policy
- Modify UCS Boot Policy WWPN
- Add VLAN
- Delete UCS Boot Policy
- Delete UCS VLAN
- Add VLAN to Service Profile
- Add iSCSI vNIC to Service Profile
- Add vNIC to Service Profile
- Delete vNIC from Service Profile
- Create Service Profile iSCSI Boot Policy
- Modify Service Profile Boot Policy to Boot from iSCSI
Administrator’s Dashboard

- Rapid configuration and monitoring
- Customizable view
- Quick status across critical components
Comprehensive View of Utilization and Consumption
Drill Down for Granular Detail on Each Component
### Reports
Workflow Service Status

#### Comprehensive Operational Views for IT Operations

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#### Ownership

| Initiating User | admin |   |

#### Status

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<td>Create vFiler using ONTAP</td>
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Self-Service Infrastructure Catalog
Technical User Perspective

- Self-serve provisioning of IT infrastructure
- Role-based access for technical users
Mobile Management

CloudGenie

Request new access from mobile devices

Supported Platforms

iPad, iPhone

Android
Cisco Cloupia

Increases Business Agility

Increases IT Efficiency

Reduces OpEx and CapEx

Comprehensive Solution Across Physical and Virtual

Delivers IT Efficiency to Better Align with Business Strategy
In a market where Customers are demanding simplicity, self service and automation, Cloupia has allowed Empired to deliver our Cloud solution in days rather than weeks. Their level of end-to-end orchestration with infrastructure out of the box is astonishing.

– Russell Baskerville, Managing Director of Empired Ltd.
Come See the Cloupia Demo @
the Cisco Data Center Booth!
Tack!

Nu eftermiddagsfika och utställning!

Klockan 15.35 är det dags för breakout-pass
NetApp, BT, TDC & Cygate

Ditt val samt plats för ditt breakout-pass finns på din personliga agenda, på baksidan av din namnskylt.
Thank you.