FORUM 2008

DISCOVER, CONNECT, VIRTUALIZE.

Automating the Virtual Datacenter

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Agenda

- The New Datacenter Automation Topology
- VMware IT Service Delivery Solutions
- VMware Business Continuity Solutions
- Adoption Paths

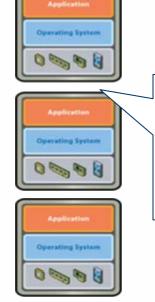


Virtual Machines Enable Datacenter Automation





Consolidated (Virtualized)



Content Management

Virtual Machines are Standardized Software Containers



Virtual Machines

IT Services

The Virtual Infrastructure Stack Today

3 Automation







Virtual Infrastructure









Virtualization Platform



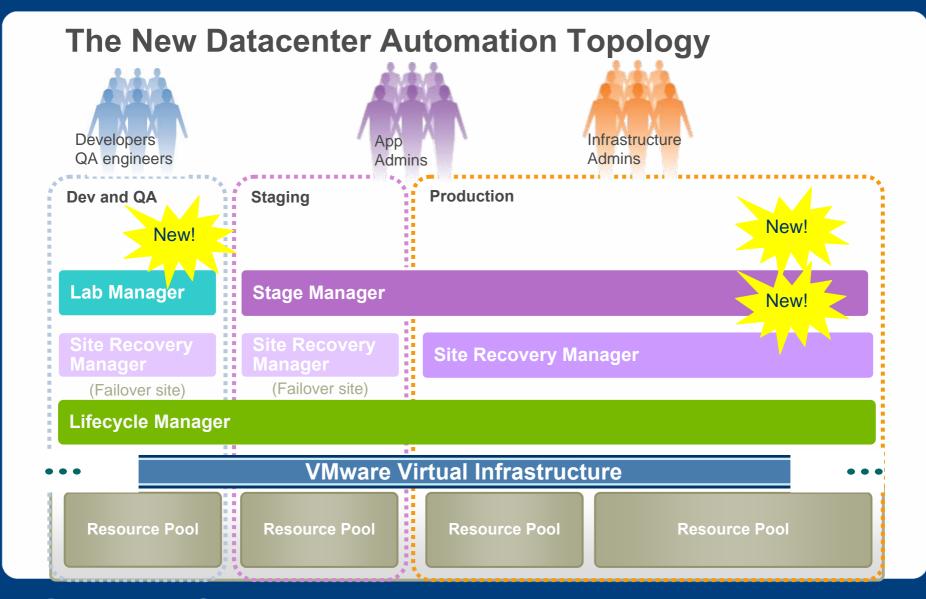






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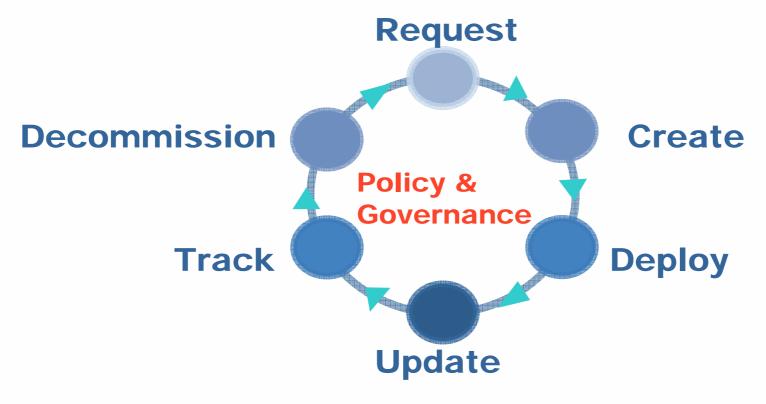








IT Service Delivery automation definition



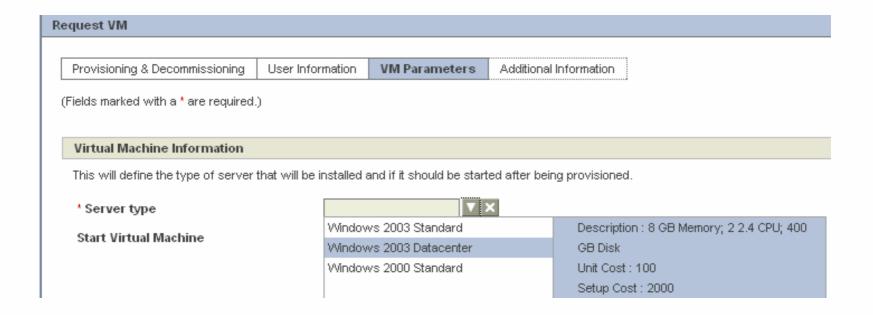
Lifecycle manager is the solution to customers newly surfaced operationalizing requirements





Introducing VMware Lifecycle Manager

VI Admin templates, VM Placement

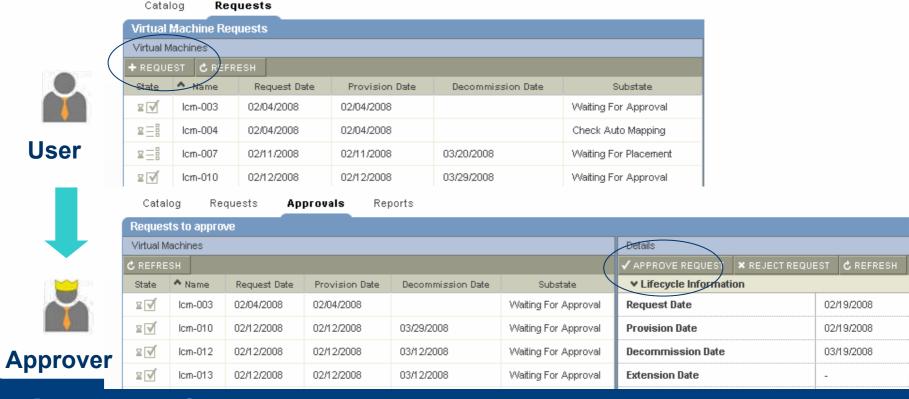






Consistent Process for Requesting and Approving VMs

No longer need to rely on e-mail, phone, spreadsheets etc...



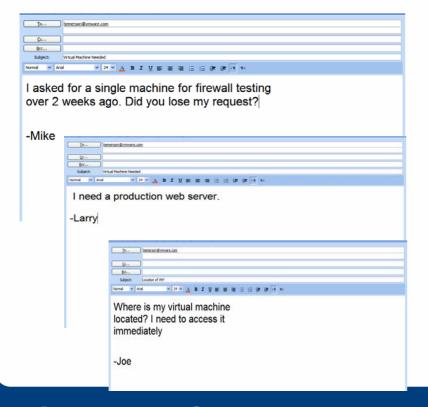


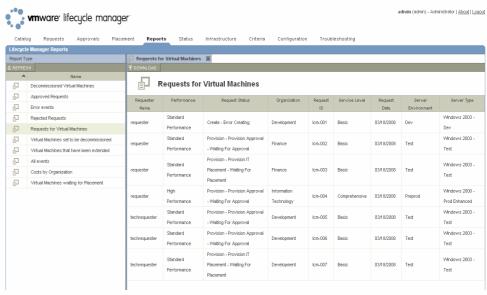


"System of Record" for Virtual Infrastructure

BEFORE Lifecycle Manager

AFTER Lifecycle Manager









Lifecycle Manager is Deployed Across the Datacenter

Infrastructure Admins

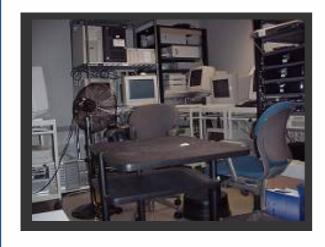
Dev and QA Staging **Production Lifecycle Manager** Tracking and control VM lifecycle with consistent approval mechanisms VMware Virtual Infrastructure **Resource Pool Resource Pool Resource Pool** Resource Pool

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Issue - Typical Lab Infrastructure

'Inconsistent State' Server Sprawl







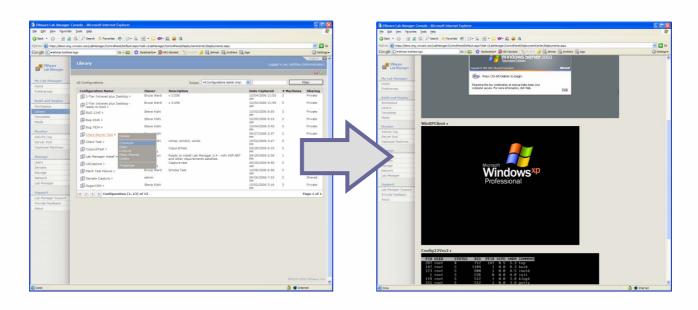
*Actual customer photos





Introducing VMware Lab Manager

The perfect solution, with 4 key characteristics...



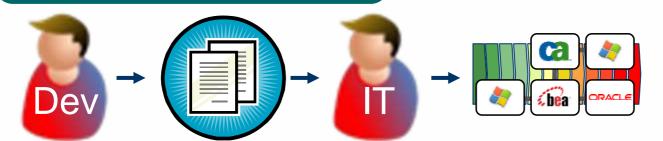
Self-Setup, capture, storage and sharing of multi-VM configurations using shared pool of resources





Lab Users and IT Bogged Down In Provisioning Requests

BEFORE Lab Manager



3 days

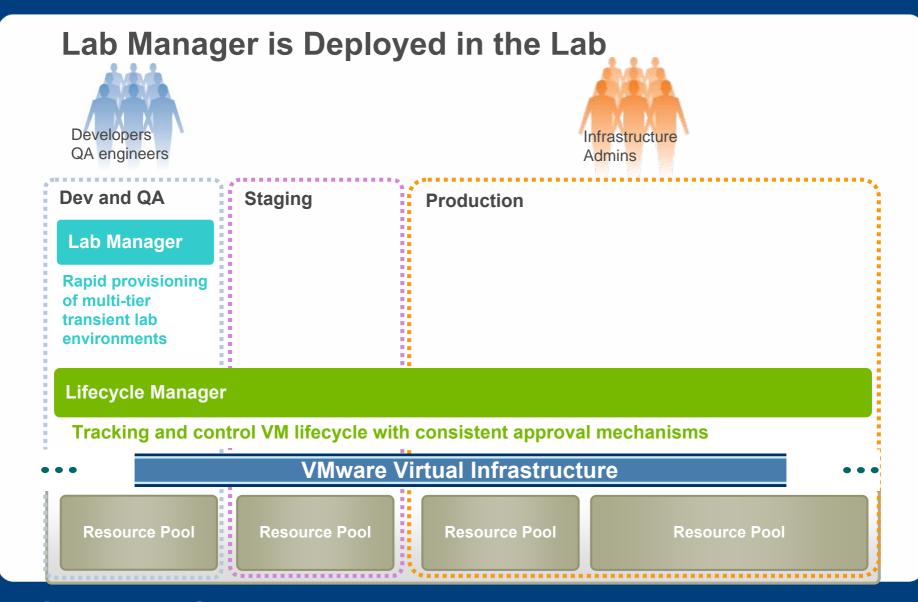
AFTER Lab Manager





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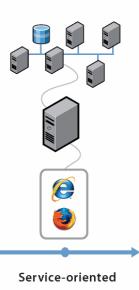
Infrastructure Management Challenges

Pre-production server sprawl

- Provisioning is tedious and time consuming, done one system at a time
- Shadow systems are often left on even when they're not being used
- No way to make copies of Production Services

Shadow instances "drift" from production configurations

- Changes made to production aren't synched with shadow instances
- Shadow instances aren't "true" copies of production systems (or each other); introduces risk
- Ensuring the same changes are applied to each shadow instance is error prone and a primary source of production downtime



No way to systematically and accurately move complex system changes through "Stages" before bringing into production



Introducing VMware Stage Manager

When rolling out a service, configuration can remain unchanged and be audited...



Homegrown or packaged application software



Integration

Assemble application components Or apply patch

Testing

Verify successful assembly

Staging

Perf. tuning and testing

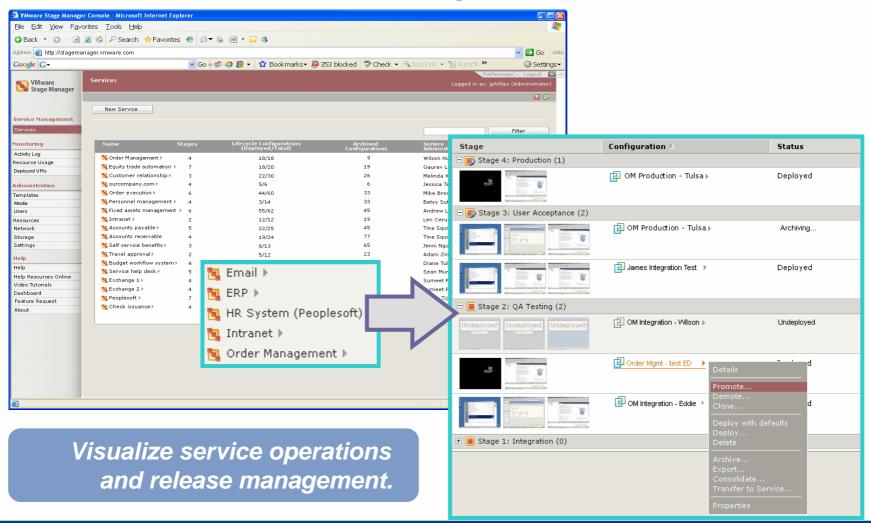
UAT

User acceptance testing

Production



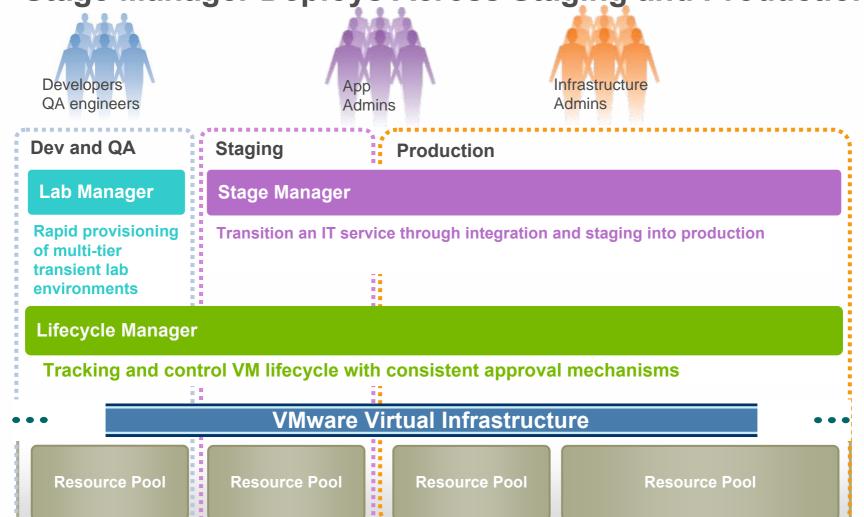
Global View of services, stages and their resources







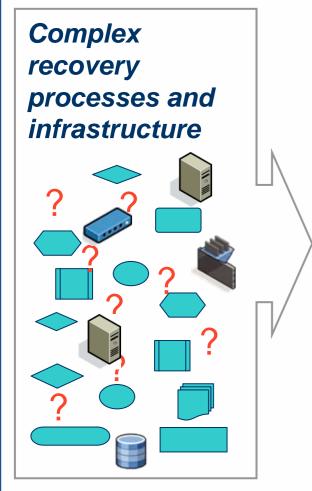
Stage Manager Deploys Across Staging and Production



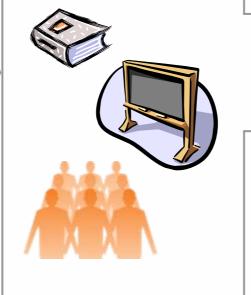




Issue - Traditional Disaster Recovery is complex



Dependent on perfect training, documentation, and execution



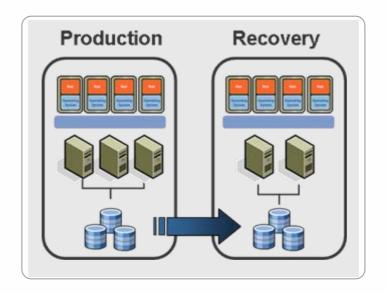
Failure to meet continuity requirements

- Recovery takes days to weeks
- □ Select Apps Only
- □ Recovery tests often fail
- Significant IT time and resources consumed

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Introducing VMware Site Recovery Manager

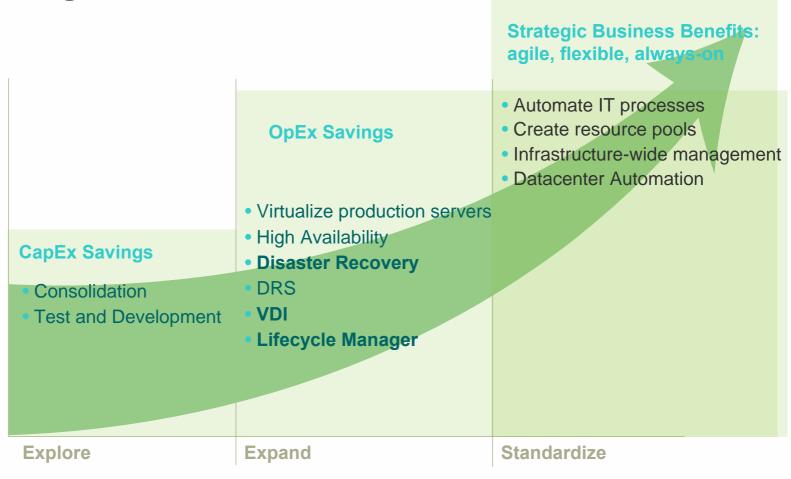


Eliminates failure, simplify, test & automate disaster recovery...





How to get there?



Source: IDC, Virtualization 2.0: The Next Phase in Customer Adoption, Nov 2006





Thank You



