7 Kasım 2012 - Çırağan Palace Kempinski

IBM Connected 2012 Istanbul

Learn. Collaborate. Innovate.

Bulut Bilişim'le Just in Time Hizmet Aktivasyonu

Salih Abamor
Satış Takım Lideri- Tivoli
IBM

Ajanda

- Bulut Bilişim 101
- IBM Çözümleri ve Bulut Bilişim

Bulut Bilişim

Arzu Edilen Hizmet

Mobil Çözüm

Veri Merkeziniz

Kurumsal Bulut Bilişim

Public Cloud

Bulut Hizmetlerine Erişimin Arayüzü

Bulut Bilişim Ekonomisi

1 adet 50 cl Pet Şise Su= ~50-75 Kuruş=1.000 TL/Ton

20 lt Bidon Su= Zaman+Taşıma Ücreti= 2-3 TL=100 TL/Ton

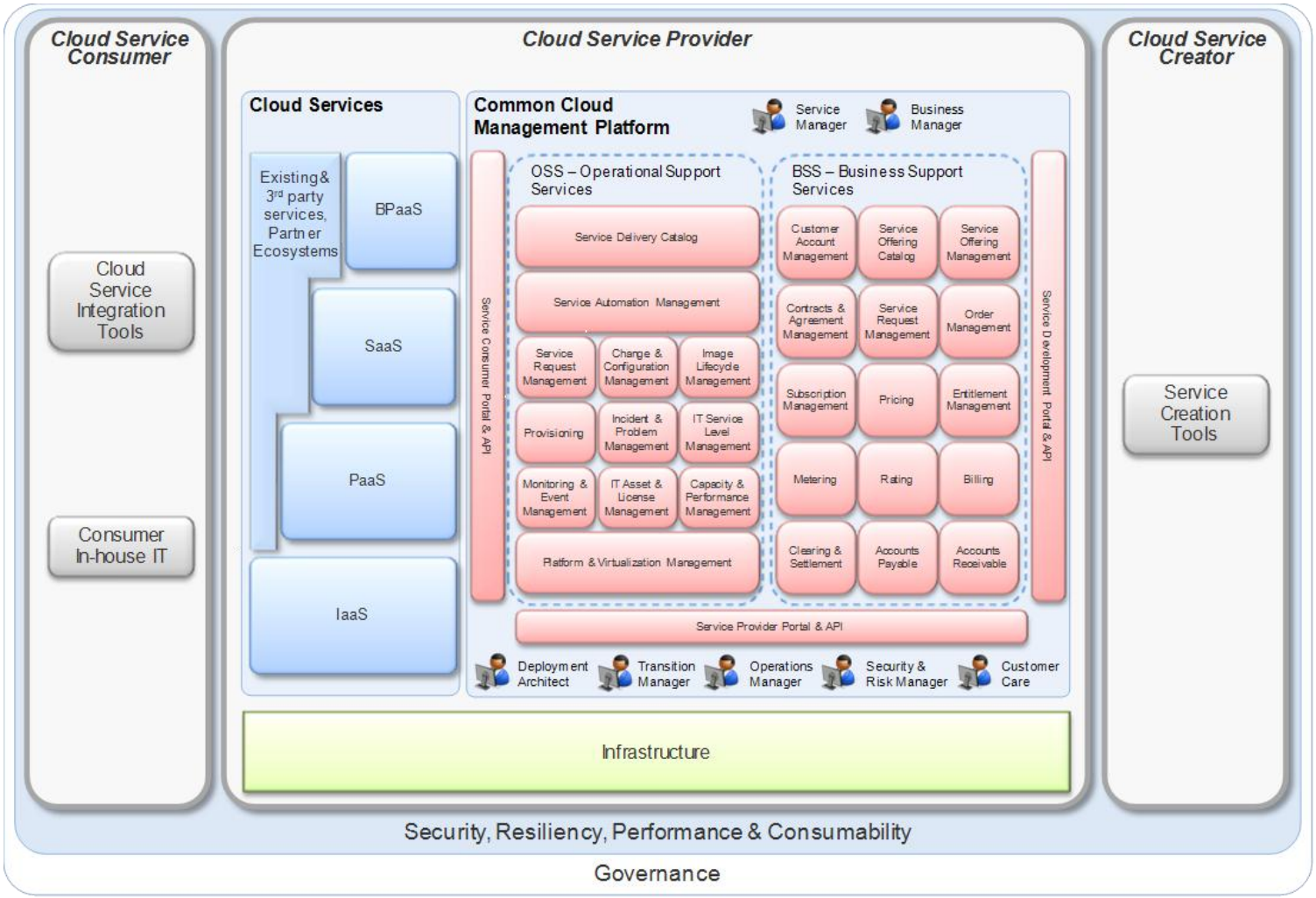
20 Ton Tanker Su= 250 TL=12,5 TL/Ton

İski= 3,38 TL/Ton(KDV Hariç, Konutların Kullanımı)

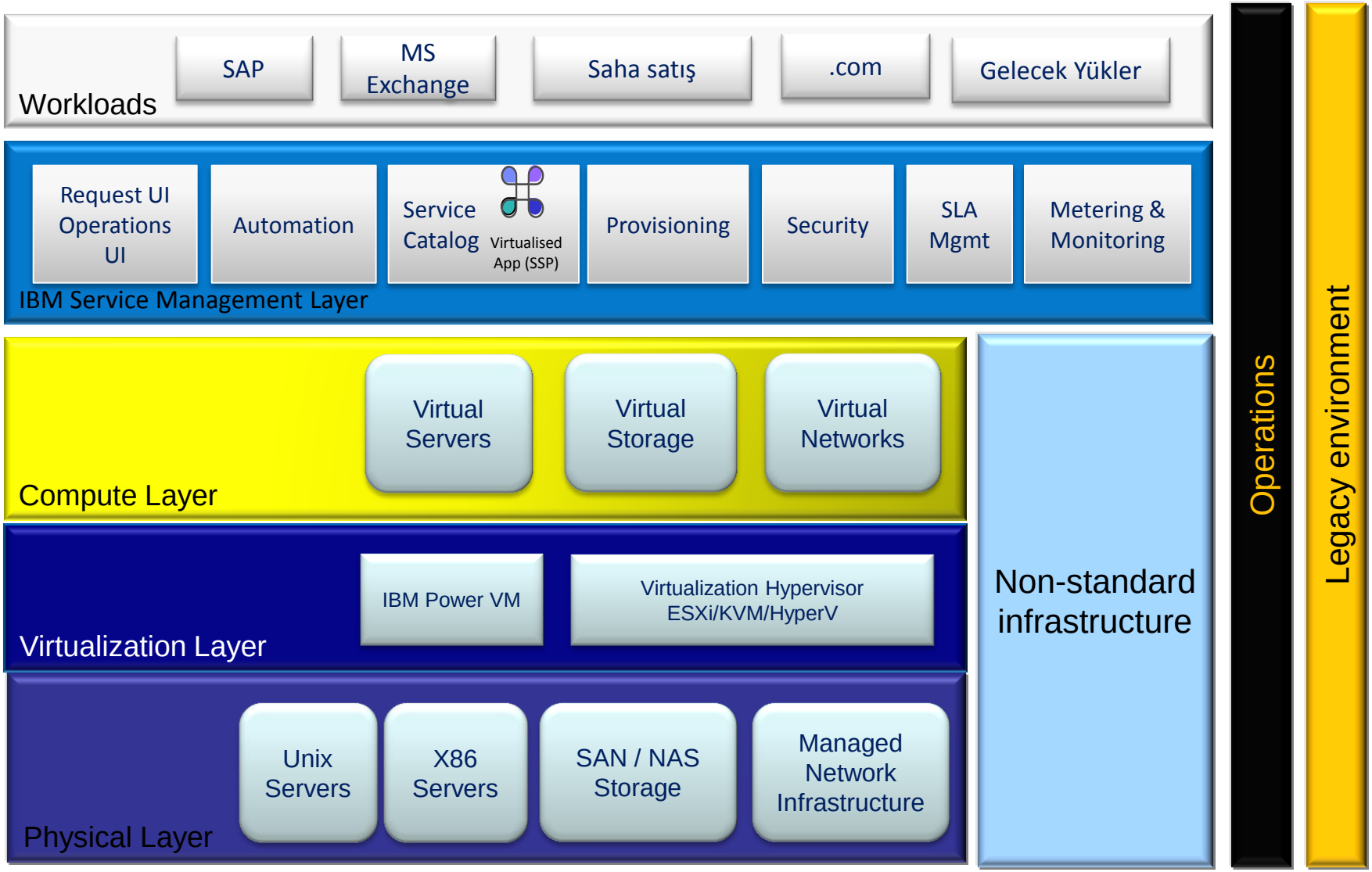
Su Hizmetleri veya Bulut Bilişim

- Akışkanlık(Sanallaştırma)
- Otomasyon
- Ekonomik Ölçek,
- Kapasiteyi depolama olanağı
- Ölçülebilirlik
- Standart
- Erişilebilir
- Farklı kullanım patterni

Referans Mimari

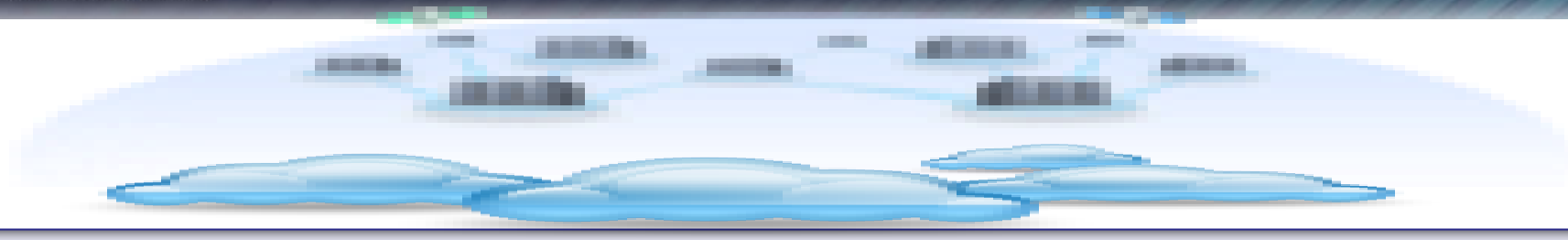


Arzulanan Durum



Smart Cloud ...

- Smart Cloud Monitoring
- Smart Cloud Control Desk
- Smart Cloud Provisionning
- Smart Cloud Virtual Storage Center
- Smart Cloud Cost Management
- Smart Cloud Workload Automation



SmartCloud Solution	Capability
SmartCloud Provisioning	Discover, Inventory, Manage, and Request Virtual Images
SmartCloud Monitoring	Monitor, Manage, and Plan utilization of Virtual Images
**SmartCloud Control Desk	Service Desk, Service Catalog, Asset and Change Management
Workload Automation	Schedule jobs and workloads dynamically and automatically in the Cloud
High Availability with System Automation	Provide High availability and Seamless Failover in the cloud
**SmartCloud Virtual Storage Center	Virtualized and Manage Storage Resources

SCP ile Çevikliğinizi Artırın

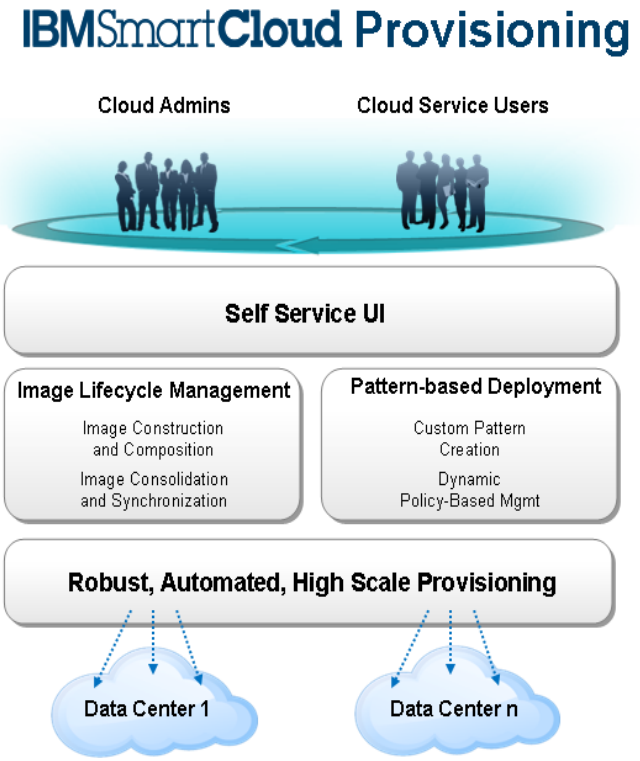
IBM SmartCloud Provisioning *combines infrastructure and platform capabilities to deliver elastic workload aware management, image lifecycle management and resilient, high-scale provisioning across heterogeneous platforms*

Differentiating capabilities of the business-ready cloud:

1. Accelerate application deployment with workload aware management
   Reduced standardized topology deployment from over 2 months to 18 minutes

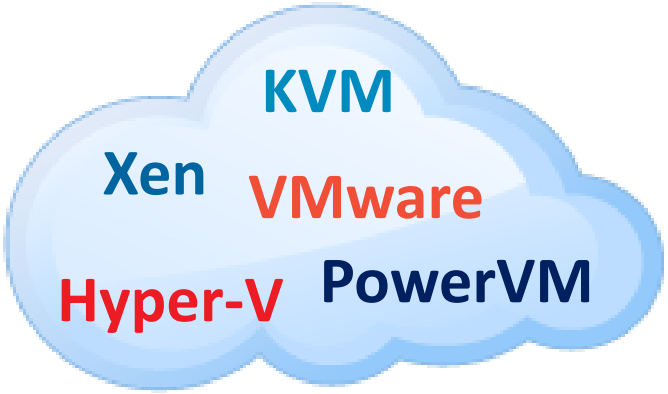
2. Manage virtual environment with rich image management and analytics
   40% - 80% labor cost reduction by increasing image/admin ratio efficiency

3. Avoid vendor lock-in with choice of Hypervisor and Hardware
   KVM is 24% cheaper in up front server & software costs compared to competition



Mevcut Donanım ve Sanallaştırma Platformunuzun Kullanımı

- **Single management platform** across different infrastructures reduces complexity and operational cost.
- Supports deployment of virtual servers with multiple platforms on **Power and VMWare**
- Design and deploy consistent and repeatable composite applications into a cloud of virtualized hardware running a supported hypervisor : **zLinux, KVM, Xen, Hyper V, PowerVM, zVM**
- Integrates compute, network, storage and application delivery: **enable organizational integration**

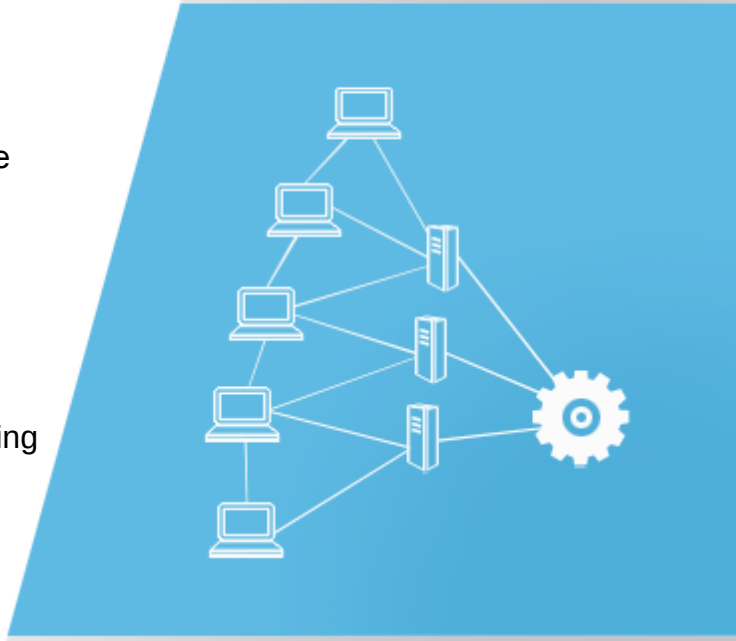


IBM SmartCloud Monitoring

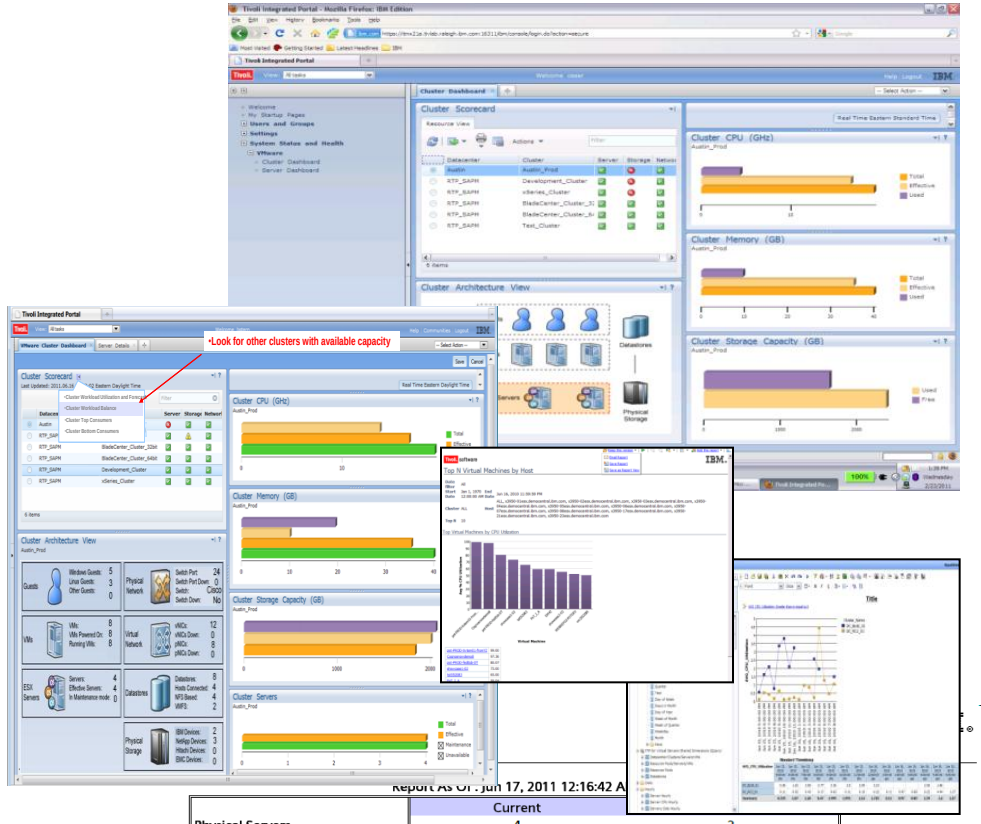
IBM SmartCloud Monitoring is an infrastructure-as-a-service cloud monitoring tool, providing scale, performance and availability monitoring of the cloud resources and the virtual machines running within it. Enjoy real cost savings with cloud optimization and automation, and resiliency from resource and workload analytics.

Key benefits:

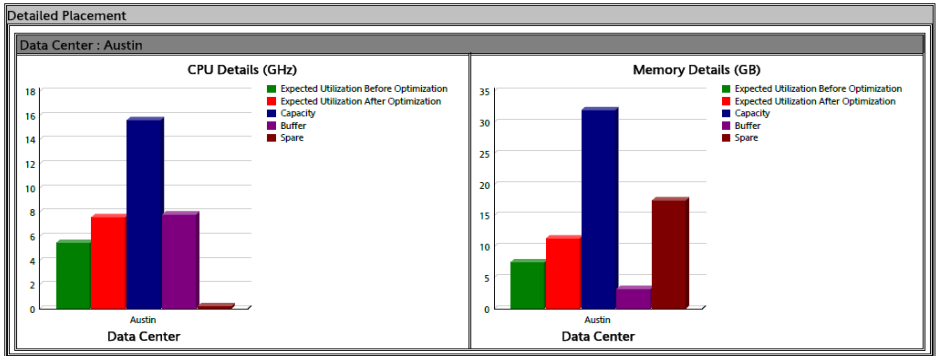
- **Visibility into the cloud infrastructure**
  - Integrated “out-of-the-box” contextual views of health and performance in the complete context of the virtual environment to include physical and virtual servers, storage and network resources
  - Receive real-time proactive & predictive alerts
  - Side-by-side and historical data to identify problems quickly
- **Virtual environment management**
  - Out-of-the-box alerts, best practices, expert advice and workflows for detecting performance problems and identifying their source
  - Web 2.0 dashboards, operational workspaces and reports
- **Capacity planning**
  - Predict physical and virtual resource capacity bottlenecks and trends
  - Gain business agility by determining room for expansion
- **Optimization**
  - Right-size virtual machines
  - Policy-driven workload placement for performance and security optimization



- **Health dashboards** to provide an instant, consolidated glimpse into cloud health
- **Topology views** of the key interrelated components of the cloud
- **Reports** on the health trends of cloud components and workloads, powered by Cognos
- **What-If** capacity planning scenarios
- **Policy-Based** optimization to put workloads where they'll perform best, not just where they'll fit
- **Performance Analytics** for right-sizing of virtual machines
- **Integration** with industry-leading Tivoli service management portfolio

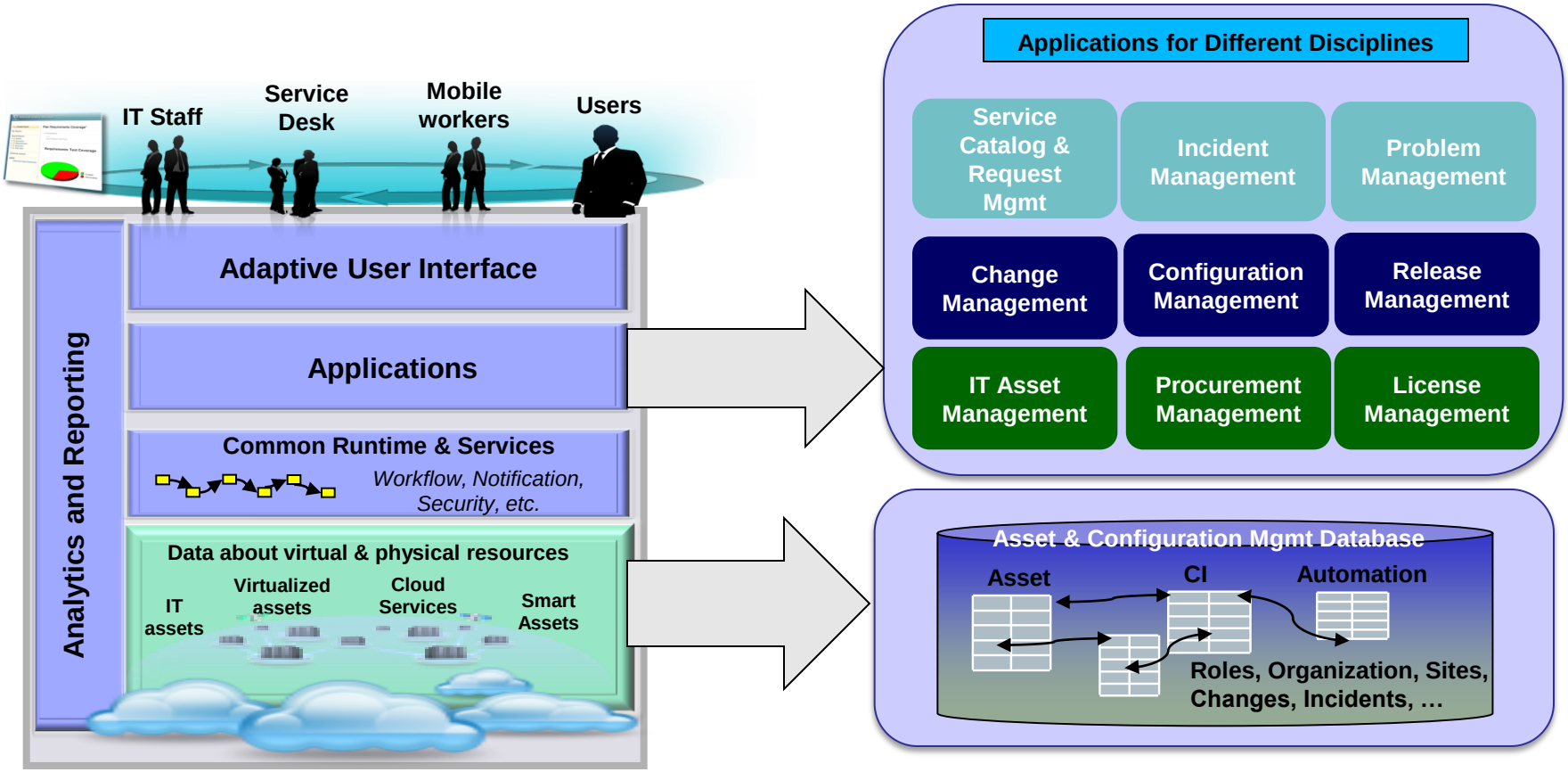


	Current			
Physical Servers	4		3	
Virtual Machines	19		19	
	CPU (GHz)	Memory (GB)	CPU (GHz)	Memory (GB)
Total Capacity	18.747	39.994	15.623	31.995
Total Reservation	0.375	0.438	7.594	11.324
Total Spare	8.999	35.557	0.218	17.471
Average Overall Risk (%)				



IBM SmartCloud Control Desk

Comprehensive Service Management capabilities, built on a common platform, in a single suite, with one price per user



Comprehensive ITIL Capabilities

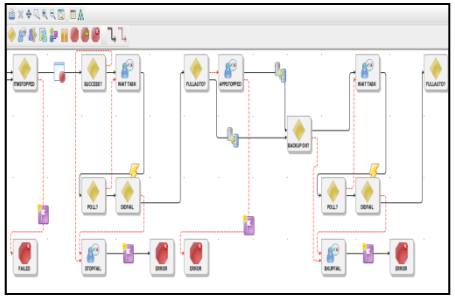
Pink Certified

Service Asset & Configuration Management
Problem Management
Release & Deployment Management
Incident Management
Change Management
Request Fulfillment
Financial Management
Service Catalog
CMDB
Knowledge Management

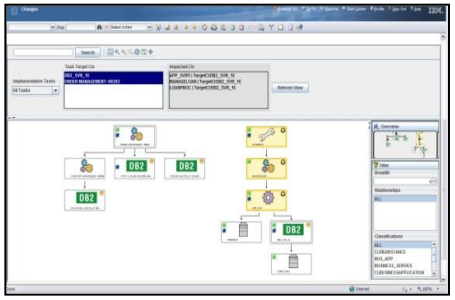
Event Management
Availability Management
Service Level Management

With Tivoli Netcool/OmniBus and Tivoli Business Service Manager

Self-Help, Catalog & Request Management



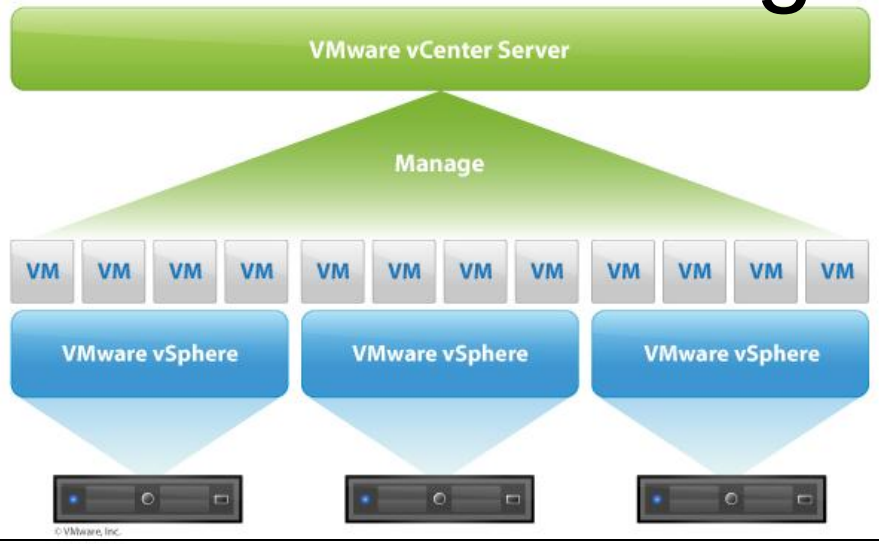
Process Automation Workflows & Fulfillment



Reports & Analytics

SmartCloud Virtual Storage Center

SmartCloud Virtual Storage Center



vmware
Virtual Server Infrastructure

IBM
hypervisor for storage

orage Virtualizatio

Manage

Storage Hypervisor Manager

HITACHI EMC NetApp IBM Sun hp NEC BULL FUJITSU pillar

STORAGE HYPERVISOR

Key Virtualization Features

STORAGE HYPERVISOR

Thin Provisioning

Without thin provisioning, pre-allocated space is reserved whether the application uses it or not.

With thin provisioning, applications can grow dynamically, but only consume space they are actually using.

- ✓ More productive use of available storage
- ✓ Across all supported host platforms

IBM Easy Tier SSD Management

Hot-spots due to poor data layout.

Optimized performance and throughput.

- ✓ Busiest data extents are identified and automatically relocated to highest performing Solid-state Disks
- ✓ Remaining data extents can take advantage of higher capacity, price optimized disks

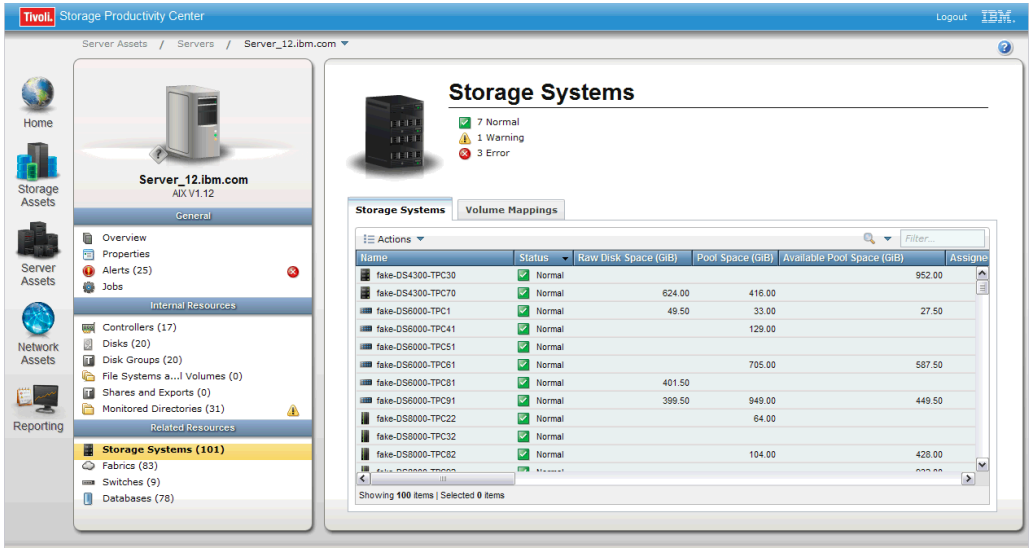
Mirror data off-site

- ✓ Synchronously over Metro distances.
- ✓ Asynchronously over Global distances.
- ✓ Application-level consistency groups.

Breakthrough Graphical User Interface Eliminates Complexity

- Auto-discovery and presets **slash system setup time**
- Easy navigation aids **speed administrator task selection and completion**
- Realistic graphics **simplify capacity and event management**

VSC Console



- **Fully integrated & Web-based GUI**
  - Based on XIV success
- **TCR/Cognos-based Reporting & Analytics**
- **Enhanced management for virtual environments**
- **Tiered Storage Optimization**
- **Platform for automated provisioning**
- **Centralized Management**

धन्यवाद
Hindi

多謝

ขอบคุณ

Спасибо

Obrigado

شكراً

Teşekkürler

Děkuji

Danke

Grazie

Merci

多谢

நன்றி
Tamil

감사합니다

ありがとうございました