vRealize™

Introducing VMware vRealize™ Suite
Purpose Built for the Hybrid Cloud
Cloud computing provides tremendous competitive advantages to companies, but it also puts enormous pressure on IT departments. vRealize Suite, VMware’s new cloud management platform, is an entirely new way of extending datacenter to hybrid cloud with a unified management experience, offering:

• **Automation** – Automate the delivery and lifecycle management of infrastructure and application services

• **Intelligent operations** – Proactively manage performance, capacity, compliance, and logs

• **Business insight** – Align IT spending with business priorities by obtaining full cost transparency

• **Unified management** – Use a single platform to provision and manage applications and infrastructure on-site and in the cloud
Cloud computing -- which lets LOBs get apps up and running at the swipe of a credit card -- has revealed inefficiencies in the way some IT organizations operate.

<table>
<thead>
<tr>
<th>Common Complaints</th>
<th>Root Causes</th>
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<tr>
<td>Lack of agility</td>
<td>Cross-silo processes</td>
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<td>Lack of cost transparency</td>
<td>Complex cost models</td>
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<tr>
<td>Overspending</td>
<td>Unused resources not reclaimed</td>
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<tr>
<td>Not using Hybrid Clouds</td>
<td>No common cloud management</td>
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Tension Growing Between IT and the Business

Technology disconnects cause clashes between IT and business leaders.

- Shadow IT
- Compliance Concerns
- Integration Overload
- Too Costly
- Too Slow
- Wrong Priorities
Broken Cloud Deployment Process

Enterprises may be saddled with 50 to 100 software tools to manage infrastructure and IT service delivery—it is difficult for tools (or admins) to exchange vital information. This can lead to confusion.

*Server Admin* What resource pool does each app need?

*Cloud Admin* Is a private or public cloud more effective?

*Fabric Admin* What's the right tier of storage (gold/silver/bronze) based on SLAs?

*Business Stakeholder* Will the app SLA be met?

*Operations Admin* How do I resolve capacity shortfalls with no visibility into SLA requirements?

**Result:** Higher costs and long delays in implementing and managing infrastructure.
Confronting the Hybrid Challenge

These disconnects are only worsening because of the complexity of the modern datacenter...
Welcome to the brave new hybrid and heterogeneous world where IT’s mandate is to take control in four key ways:

1. Deploy and manage workloads both on-site and in public clouds
2. Manage workloads across physical and virtual environments
3. Assure service quality, security and compliance
4. Optimize cost efficiency
The Future is Now

Enter vRealize Suite, a new cloud management platform enabling IT to meet the demands of a hybrid-cloud era:

• Deliver the most appropriate cloud services at low cost
• Converge IT Silos (Storage, Network, App MW, Security, Ops)
• Provide unified management across private, public and hybrid clouds
• Shift to the OpEx-friendly, SaaS delivery model
vRealize Suite aggregates best-of-breed capabilities to meet the far-ranging needs of both IT and business departments including:

<table>
<thead>
<tr>
<th><strong>Product</strong></th>
<th><strong>Function</strong></th>
<th><strong>Benefit</strong></th>
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<tr>
<td>vRealize™ Automation</td>
<td>Automate the delivery of infrastructure and application services</td>
<td>Business agility; right-size app/resources; reclaim inactive resources</td>
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<tr>
<td>vRealize™ Operations</td>
<td>Automate operations management, including performance, capacity and configuration management</td>
<td>Holistic view of infrastructure and applications; proactively avoid performance issues; enable optimal resource usage</td>
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<tr>
<td>vRealize™ Log Insight™</td>
<td>Real-time log management across physical, virtual and cloud environments</td>
<td>Proactively identify and resolve problems faster with intelligent operations across all machine generated data</td>
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<tr>
<td>vRealize™ Business™</td>
<td>Get transparency and control over the costs/quality of IT services</td>
<td>Control/optimize IT budget; align IT with business priorities</td>
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vRealize Suite provides the same speed, agility and cost efficiencies that business units experience with third-party cloud providers.
End the Frustration Between IT and the Business

By expanding on the capabilities of these four products, vRealize Suite moves the concept of a cloud management platform into a new technology terrain that accommodates the needs of both IT and the business:

- **Agility and speed** — gain competitive business advantage

- **Control and efficiency** — manage uptime, performance, security and compliance while reducing costs

- **Cost efficiency** — get an accurate assessment of service costs and cost reduction opportunities
Deliver infrastructure and applications across multiple hypervisors, private and public cloud with both speed and control.

- Self-service provisioning of apps, infrastructure and custom IT services
- Design once, deploy in any approved cloud environment
- End-to-end application lifecycle management
- Intelligent resource management
- Policy-based governance
Manage infrastructure and applications in physical, virtual, and cloud environments with integrated capacity, performance, log, and configuration management.

- Scale-out and resilient operations platform
- App-to-storage visibility across physical, virtual and cloud environments
- Predictive analytics and Smart Alerts proactively identify and remediate issues
- Log management extends analytics to unstructured data, for faster problem resolution
- Capacity management capabilities easily identify and right-size over- and under-provisioned VMs to maximize resource utilization
- Policy-based automation of key IT processes and compliance standards empowers admins and optimizes IT staff efficiency
Align IT spending with business priorities by getting full transparency of infrastructure and application cost and service quality.

- Demonstrate and compare costs of complex IT initiatives
- Cost transparency, usage metering, show and charge back
- Benchmarking compares the service delivery cost across multiple public cloud services, as well as benchmarks against a population of other IT organizations.
- Usage Metering uses comprehensive cost models of IT services for use in dashboards, reports, and “bill of IT”
- Vendor Management sets, tracks, reports, and analyzes IT performance and value measures for all services and vendors
Unified Management

Use a common set of tools across private and public clouds with a consistent management experience and fast time to value

• Integrated platform delivers shared services across automation, operations, and business functions

• Use a single and extensible platform to provision and manage applications and infrastructure on-site and in the cloud

• Open Interface exposes shared services through application program interface (API), command line interface (CLI) and user interface (UI)

• Leverage out of the box integrations with major public cloud vendors such as vCloud Air, Amazon Web Services

• Partner Ecosystem offers a wide range of partner solutions that are optimized to work with vRealize Suite
vRealize Suite redefines the delivery of cloud management.

This new approach:

- Fulfills IT’s role as a broker of services and trusted advisor
- Aligns IT/LOB Stakeholders to meet critical business objectives
- Provides all the benefits promised by the cloud - cost savings, speed, agility, business transformation
For more information on VMware vRealize Suite, go to:

www.vmware.com/products/vrealize-suite/