

VMware vCloud Computing

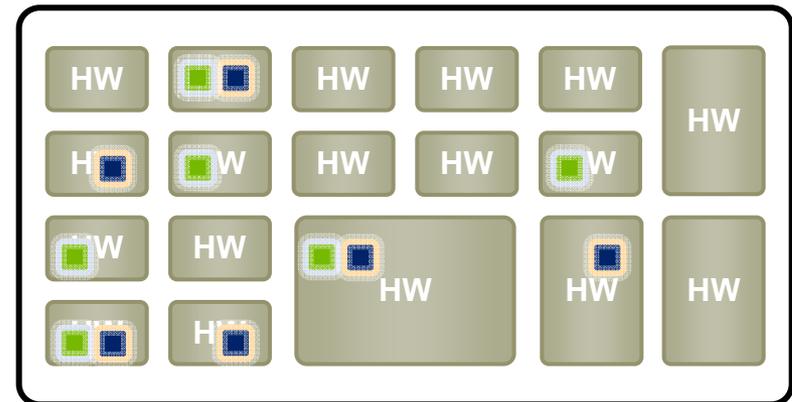
From Virtualization to the Cloud

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VMware Virtualization - The Building Blocks

- **SLA**
 - Single Server partitioning
 - Multi-Server Resource allocation
 - Dynamic load balancing for SLA
- **Disaster Recovery/Business Continuity**
- **Security**
 - Lightweight Hypervisor
 - Accreditation
- **Self Service Infrastructure**
 - Automated chargeback
- **Standards**
 - Virtual Appliances
 - JeOS-Just enough OS
 - Open Virtualization Format



virtual datacenter OS from VMware

- **SLA's based on Service Performance**

- **Entire Service, not just VM**

- **Capacity on Demand**

- **Self provisioning/healing**
- **Charged based on usage**

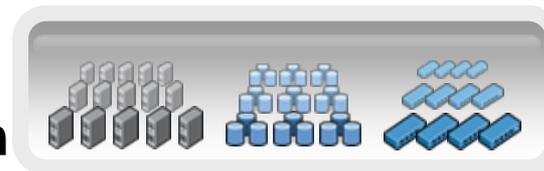
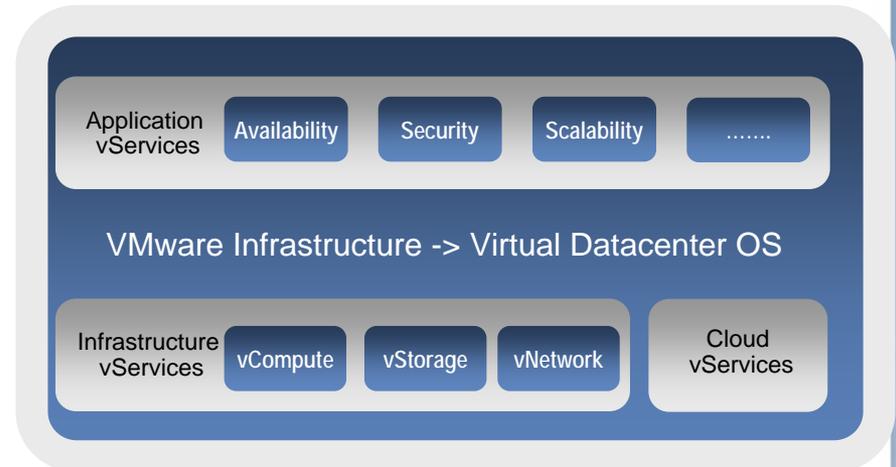
- **Unified View**

- **Desktops**
- **Online/Offline**
- **End user data protection**

- **Leverage existing Investment**

- **VMware Service Provider Program**

- **No re-writing of Applications**
- **Over 100 cloud operators**



Off-premise Cloud

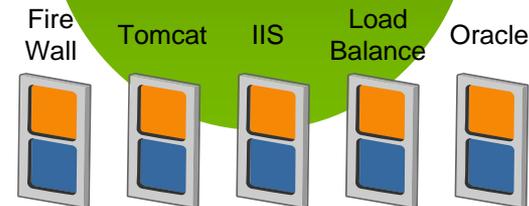
Challenges

- **Multi-Tenancy**
 - **Isolation Capabilities**
- **Security**
 - **Services tied together**
- **Lack of Standards**
 - **Interoperability/Proprietary?**
- **Authority to Operate**
- **RFP, Contracts, Billing, etc...**
- **Which cloud model?**
 - **Internal Cloud**
 - **Hosting through another agency**
 - **True Cloud Operator/System Integrator**
- **Culture**

Instructions

1. Name=eContracting
2. Only port 443 is used
3. 100 ms web response
4. Encrypt w/ 128-bit AES
5. DR RPO: 1 hour
6. Decommission in 30 Days

Application and Infrastructure VMs



Contracting App

Want to learn More

- **View demos and videos of some of these features at:**

www.vmware.com/go/vdcos

www.vmware.com/cloud

<http://www.vmware.com/technology/virtual-datacenter-os/>

Thank You!