Microsoft
System Center 2012

Cloud and Datacenter Management

Microsoft System Center 2012 transforms the way you deliver IT and application services to your organization, optimizing resources across public, hosted, and private clouds, managed from a single pane of glass.

System Center 2012 cloud and datacenter management solutions help you:

DELIVER FLEXIBLE AND COST-EFFECTIVE INFRASTRUCTURE USING WHAT YOU ALREADY OWN. Integrate heterogeneous datacenters and pool your datacenter resources into a private cloud. Give business users self-service access to infrastructure while you retain control of your IT assets.

PREDICT APPLICATION SERVICE LEVEL AGREEMENTS (SLAS) WITH CONFIDENCE. Gain deep insight into what's happening to applications inside your servers and virtual machines to address issues faster.

MANAGE PRIVATE AND PUBLIC CLOUD COMPUTING IN ONE PLACE. Build your own hybrid cloud, exercising your choice of where to run application workloads, across private cloud, hosted cloud, or Windows Azure. Then manage them all from the same screen.

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- App Controller
- Operations Manager
- Orchestrator
- Service Manager
- Virtual Machine Manager
- Data Protection Manager
- Endpoint Protection
- Configuration Manager

Cloud computing is transforming the way enterprises provide and consume IT services with the promise of more productive infrastructure and more predictable applications.

Business users see cost savings and flexibility when they consume IT as a Service—a service that they self-allocate through a portal, that scales up or down according to their needs, and that they pay for based on use.

Datacenter administrators see cost savings by pooling shared resources into a private cloud that serves multiple business users who consume only what they need. Flexibility comes from leveraging hosted and public cloud resources to complement on-premises capacity.
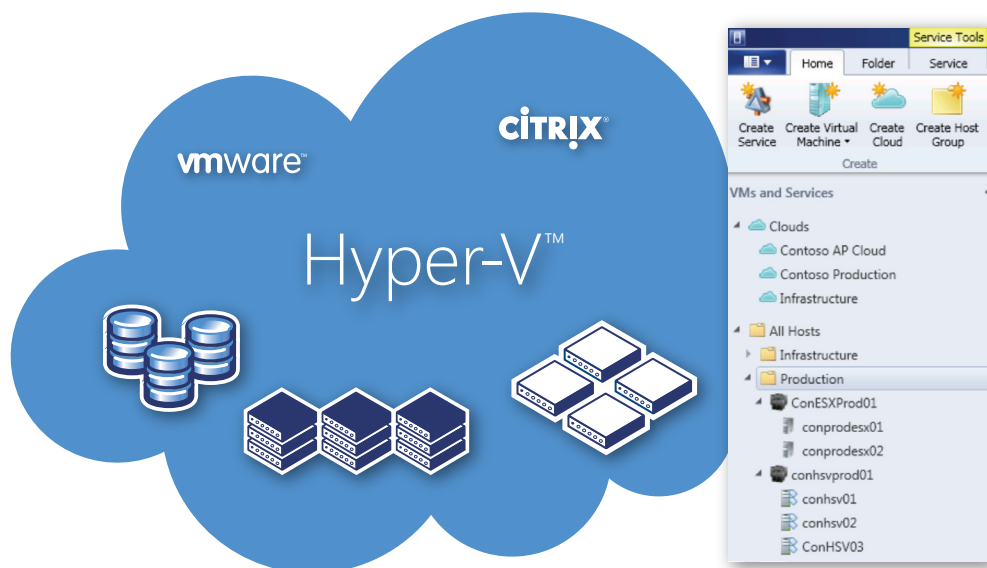
System Center 2012 enables enterprises to incorporate private, hosted, and public cloud computing resources while still satisfying their unique business needs. It organizes existing IT assets (network, storage, compute) into a private cloud that is seamlessly integrated with hosted and public cloud services—a hybrid cloud you can manage from a single pane of glass.

Deliver flexible, cost-effective infrastructure using what you already own

Heterogeneous support

System Center 2012 enables you to integrate a wide range of technologies into a coherent private cloud:

- Manage different hypervisors centrally from a single pane of glass with support for Windows Server Hyper-V, VMWare vSphere, and Citrix XenServer.
- Monitor Windows Server, a wide range of Linux distributions, plus Oracle Solaris, HP-UX, and IBM AIX.
- Integrate toolsets from HP, CA, BMC, EMC, and VMware into automated workflows.

Create clouds from your existing IT infrastructure.

Process automation

Make your private cloud more efficient by building automated workflows for standard processes such as incident management, problem management, change management, and release management.

Self-service infrastructure

Standardize compute, network, and storage resources into a private cloud fabric that is then allocated to business units using Active Directory.

Use a service catalog that enables application owners to request and consume capacity in self-service mode.

Predict application SLAs with confidence

Deep application monitoring and problem diagnosis

Deep integration with .NET applications enables developers to pinpoint the root cause of issues down to the offending line of code, enabling faster resolution.

Easy-to-use dashboards and reports help you effectively track and communicate the status of your SLAs.

Integration with Visual Studio enables seamless collaboration between development and operations teams so they can resolve problems faster and improve SLA compliance.
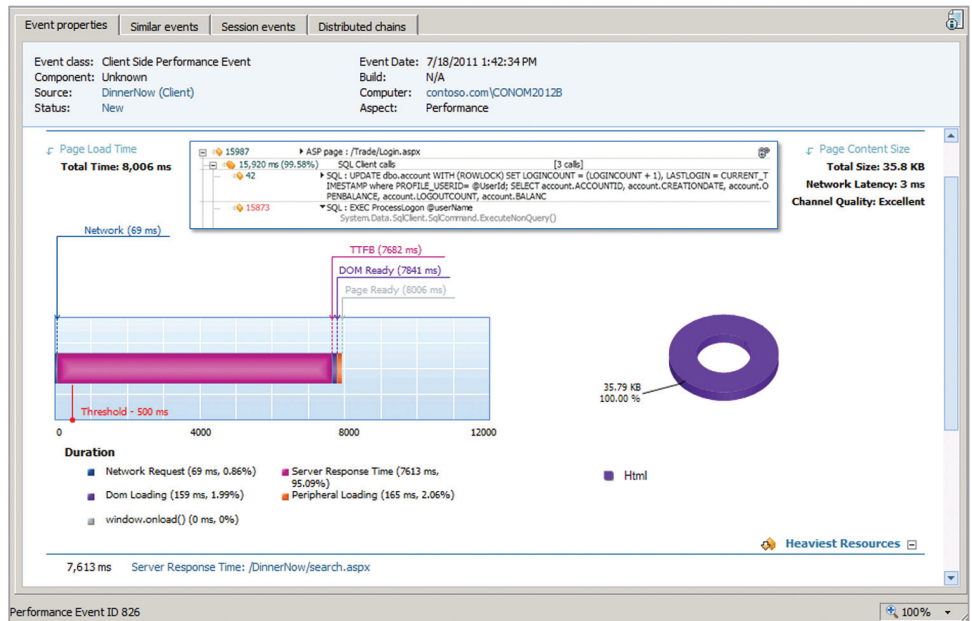
Standardized provisioning of application services

Draw on the service-modeling capabilities in service templates so that application owners can repeatedly and reliably compose, configure, and deploy application services to the cloud.

Visualize application service deployments as well as reconfigure them across private clouds, hosted clouds, and Windows Azure.

Simplified management of applications

Ease deployment of applications to the cloud through Server Application Virtualization (SAV), which removes application dependencies on specific infrastructure. SAV can also reduce administrative effort and expense by simplifying application servicing through image-based management.

Quickly pinpoint application performance issues for rapid resolution.

Manage private, hosted, and public clouds in one place

Application self-service across clouds

Application owners get a consistent self-service experience by providing single-pane-of-glass visibility and control across private clouds, hosted clouds, and Windows Azure.

Flexible delegation with control

Construct and manage clouds across multiple datacenters, infrastructures (Microsoft, VMware, and others), hosting service providers, and Windows Azure.

Delegate authority and enable self-service flexibility without sacrificing the centralized control that you need to ensure security and compliance.

Physical, virtual, and cloud management

Extend familiar on-premises management to hybrid cloud environments.

For more information about System Center 2012, visit www.microsoft.com/systemcenter.

From one place, monitor resources across private, hosted, and public clouds.