Deciding where to deploy Microsoft Exchange, Microsoft SQL Server, and Microsoft SharePoint can involve trade-offs. Traditional on-premises infrastructure gives IT teams more control, but provisioning can take weeks. Public clouds speed up provisioning, but they don’t necessarily meet business requirements for data protection, disaster recovery, and guaranteed service levels.

Now EMC Enterprise Hybrid Cloud for Microsoft Applications provides the best of both worlds.

The foundation is the EMC Enterprise Hybrid Cloud solution, a scalable, multitenant cloud platform. It combines an on-premises cloud platform with a choice of public clouds, including vCloud Air and Amazon Web Services. Users self-provision infrastructure and services from a web portal. They select the software platform (VMware, Microsoft, or OpenStack), the number of processors, storage tier, backup schedules, retention, and other options. Preconfigured bundles built on Vblock Systems and the EMC VSPEX architecture simplify deployment.

EMC Microsoft Applications solution is a modular add-on to the hybrid cloud solution. Download application blueprints from the VMware Cloud Management Marketplace on VMware Solution Exchange. Then users simply select the Microsoft application from a Service Catalog. The solution automatically provisions the right infrastructure components for Microsoft Exchange, Microsoft SQL Server, Microsoft SharePoint, and other applications.

**Figure 1** Self-service provisioning of Microsoft and other applications
AGILITY

New business opportunities no longer have to wait until infrastructure for Microsoft applications has been procured, deployed, and tested. Instead, line-of-business users can self-provision Microsoft application in minutes. They just visit the self-service portal and select the Microsoft application. The solution automatically provisions the optimum processing, storage, and network bandwidth. Virtual machines are ready for use in minutes.

ELASTICITY

When application demand increases, configurable policies can automatically add to the virtual machine’s CPU, memory, or storage, or add more virtual machines. For example, the policy might add a database availability group (DAG) copy to an Exchange Server or a web front-end server to a SharePoint farm. When application demand wanes, those same configurable application policies can retire virtual machines, freeing up their resources for other applications.

AVAILABILITY

Microsoft applications running on the EMC Hybrid Cloud are protected at several levels. If a host fails, virtual machines automatically restart on an active host. In an Exchange host fails, another server in the same DAG takes over. Administrators can create efficient backups of application data using EMC Avamar and EMC Data Domain. Cloud administrators can also add disaster-recovery protection to Microsoft applications and virtual machines. EMC ViPR software-defined storage automatically provisions the applications on storage protected by EMC RecoverPoint. If a failure occurs, VMware vCenter Site Recovery Manager automates the recovery of all virtual storage and virtual machines. During peak workloads, IT administrators can migrate virtual machines to vCloud Air, using VMware vCloud Connector.

Click here to read the white paper.

CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.emc.com.