



Dell™ vCloud® Featuring Trend Micro SecureCloud™

What is Trend Micro SecureCloud?

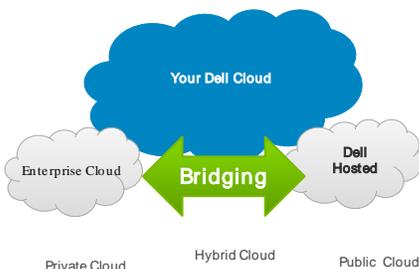
SecureCloud is a key management and data encryption solution that enables you to set policies which determine where and when encrypted data can be accessed. In addition, server validation applies identity and integrity rules when servers request access to secure storage volumes. SecureCloud's simple approach safely delivers encryption keys to valid devices without the need to deploy an entire file system and management infrastructure.

With SecureCloud, you can protect sensitive information in the cloud from theft, data breach, unauthorized manipulation or application configuration errors. This protection supports internal governance processes. SecureCloud also features FIPS 140-2 certification to support government agencies and companies that mandate high security standards.

To learn more about Dell™ vCloud®, please visit www.dell.com/vcloud.

To Learn more about the portfolio of Dell's cloud solutions, please visit www.dell.com/cloud

Add SecureCloud to Your Cloud



Dell™ vCloud® and SecureCloud

Dell™ vCloud® is an enterprise-class Infrastructure-as-a-Service (IaaS) hosted in a secure Dell datacenter. This service provides access to vCPUs, memory, storage networks, IP addresses, firewalls, catalog capabilities and additional services. Pooling of servers, networks and storage increases efficiency and agility, and reduces the time and cost it takes to stand-up and maintain traditional, physical environments, while driving higher levels of end user satisfaction.

As more companies are turning to cloud computing and virtualization, the issues of privacy and security continue to be a concern. Trend Micro SecureCloud™ is an additional security service available for Dell's public cloud customers. It provides distinctive data protection for cloud and virtual environments using **encryption with policy-based key management and unique server validation**. This security service, combined with the infrastructure security delivered by Dell SecureWorks, provides multi-layer protection and secures sensitive data stored within the Dell datacenter.

The SecureCloud encryption solution is closely integrated Dell™ vCloud®, but the encryption keys are managed by Trend Micro. This layered approach physically separates the encryption keys from the service provider, thus providing additional security and an essential separation of duties. SecureCloud gives you the tools and peace of mind to move your sensitive workloads into Dell™ vCloud®.



Key Benefits of SecureCloud

- **Infrastructure:**
 - Provides encryption to enhance the security of Dell™ vCloud®
 - Segregates and protects sensitive information in private clouds and virtual environments.
- **Security:**
 - Enhances data security and control by remotely managing cipher keys.
 - Promotes safe storage recycling by rendering any data remnants indecipherable.
 - Facilitates compliance and supports internal governance.
- **Choice:**
 - Allows businesses to choose when and where information is accessed.

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Key Features of SecureCloud

- **Advanced Technology and Security Techniques:**
 - Features FIPS 140-2 certification and FIPS approved AES encryption.
 - Encrypts and decrypts information in real time, so data at rest is always protected.
 - Applies whole volume encryption to secure all data, metadata, and associated structures.
 - IPv6 and RAID support.
- **Access and Authentication Controls:**
 - Employs role-based management to help with proper separation of duties.
 - Automates key release and virtual machine authorization for rapid operations or requires manual approval for increased security.
- **Policy-driven Key Management:**
 - Uses identity- and integrity-based policy enforcement to so that only authorized virtual machines receive keys and access secure volumes.
 - Controls which geographic zones from which data may be accessed.
 - Enables the use of policies to determine when encryption keys are delivered.
- **Robust Auditing, Reporting, and Alerting:**
 - Logs actions in the management console for audit purposes.
 - Provides detailed reporting and alerting features with incident-based and interval-based notifications.

Complementary Products by Trend Micro

- **Trend Micro Deep Security** works in combination with Trend Micro SecureCloud to provide advanced protection for servers in the dynamic data center, whether physical, virtual, or in the cloud. Deep Security combines anti-malware, intrusion detection and prevention, firewall, integrity monitoring and log inspection capabilities in a single, centrally managed software agent. To maximize both protection and virtual machine densities, you can also deploy agentless anti-malware, intrusion defense, and integrity monitoring. Learn more [here](#). Trend Micro Deep Security is an additional security feature available from Trend Micro and not included in this offer.
- **Cloud Protection Module** enables SecureCloud to query Deep Security Manager to gather information about the security status of servers before they are accessed. This integration helps you increase your overall security posture by building policies around this new information and enhancing the rules that govern when and to which servers keys are released. Cloud Protection Module is an additional security feature available from Trend Micro and not included in this offer.

More Information

Get up and running quickly with preconfigured bundles from Dell

The fastest way to take advantage of Dell™ vCloud®

is to purchase one of our online bundles.

Simply select the right bundle at

<http://content.dell.com/us/en/enterprise/d/cloud-computing/by-service-type-cloud-services-vcloud.aspx>, OR create/sign in to your Dell

MyAccount and follow the step-by-step instructions.

Everything you need to get started

Dell's online bundles and on-demand services include everything you need. Dell SecureWorks™ Monitoring and VMware® vShield™ cover security and Dell ProSupport™ provides 24/7 phone support. Microsoft® Windows® and SUSE® Linux® Operating System templates are included to help speed up deployment, or you can load your own operating system if you prefer.

Virtual Machine Flexibility

Dell™ vCloud® provides compute resources at the component level, which means you can create multiple virtual machines (VMs) from each bundle. For example, the Proof of Concept bundle can be used to create four VMs (1vCPU, 4GB RAM, 100GB HD) or two VMs (2vCPU, 8GB RAM, 200GB HD), providing additional configuration flexibility.

For more information about our service offerings, please contact your Dell representative or visit www.dell.com/vcloud.

