

Data Sheet

Virtustream Enterprise Cloud

Built for the Enterprise

vmware[®]
PARTNER

PREMIER
CLOUD PROVIDER

Not all clouds are created equal. Virtustream Enterprise Cloud is the only enterprise-class cloud focused on delivering mission-critical application services and providing a powerful foundation for transforming enterprise IT operations.

As the cloud services business of Dell Technologies, Virtustream leverages industry-leading technology, including VMware, to support Virtustream Enterprise Cloud. This assures highest performance, availability, and compatibility to all VMware enterprise customers that migrate their mission-critical applications to Virtustream Enterprise Cloud.

Empowering the Business to Better Leverage IT

Mission-critical, I/O-intensive applications such as SAP® and Oracle® are vital to today’s enterprise business. Migrating these applications to the cloud, and then managing them in the cloud, can be a costly and effort intensive endeavor. Unlike general-purpose public clouds that focus on best-effort delivery model, Virtustream Enterprise Cloud is built to run complex, I/O-intensive, mission-critical enterprise applications. It offers guaranteed availability and performance backed by industry-leading SLAs, rigorous end-to-end security, and government and industry-specific compliance solutions.

In addition, Virtustream Enterprise Cloud includes a full suite of professional and managed services from the infrastructure up to the application layer, all while achieving superior economics to maximize your IT investments. Virtustream Enterprise Cloud delivers superior value to some of the world’s largest enterprises, while reducing the complexities of their IT operations and the inherent business risk of operating mission-critical applications.

Enterprise Cloud Computing

In recent years, enterprise IT organizations have adopted a “cloud first” strategy and turned to the cloud to improve business agility and competitive differentiation. Most cloud computing offerings in the market are only

focused on low-cost, best-effort delivery, however. For many enterprise IT environments, this approach is not acceptable for the majority of their business-critical applications.

Virtustream Enterprise Cloud is different. It is the only cloud computing platform that delivers true enterprise cloud computing. Powered by Virtustream xStream, Virtustream Enterprise Cloud supports complex heterogeneous enterprise IT environments with mission-critical applications and workloads.

Unified Management

Virtustream Enterprise Cloud is managed by the xStream Cloud Management Platform. xStream provides a unified, control plane that integrates infrastructure orchestration, enterprise application automation and a suite of business intelligence and service management tools to run mission-critical applications in private, public, and hybrid clouds.

This powerful combination of automation and management allows for the delivery of enterprise IT as a service, with true consumption economics, service-level agreements, best-in-class security and compliance features and services to help migrate mission-critical applications to the cloud.

Performance Assurance

Industry analysts agree that performance of mission-critical applications backed by SLAs is a strong differentiating factor for cloud platforms. As the leader of hosting mission-critical applications in the cloud, Virtustream assures application performance by offering proactive network, compute, memory, and storage optimizations, along with guaranteed IOPs and low application latency. These capabilities ensure that mission-critical applications have access to the data they need, when they need it, in a timely manner for their specific business requirements.

Availability and Resiliency

Mission-critical means enterprises depend on these applications to run their daily business. With this in mind, Virtustream Enterprise Cloud was designed to offer high availability at every level of its architecture. This enables these applications to run without disruption from the infrastructure to the application layer.

Guaranteed Service Levels	Virtustream Enterprise Cloud	General Purpose Public Clouds
Infrastructure Availability	Up to 99.999%	Up to 99.99%
Availability Above Infrastructure Layer (O/S, DBs, SAP Basis, etc.)	Up to 99.90%	✗



For high-availability workloads, Virtustream offers embedded disaster recovery protection through the replication of data at geographically-dispersed data centers, with industry-leading RPO and RTO capabilities. Data backup and recovery options are also available for those customers who do not require full disaster recovery features.

Enterprise-class Security

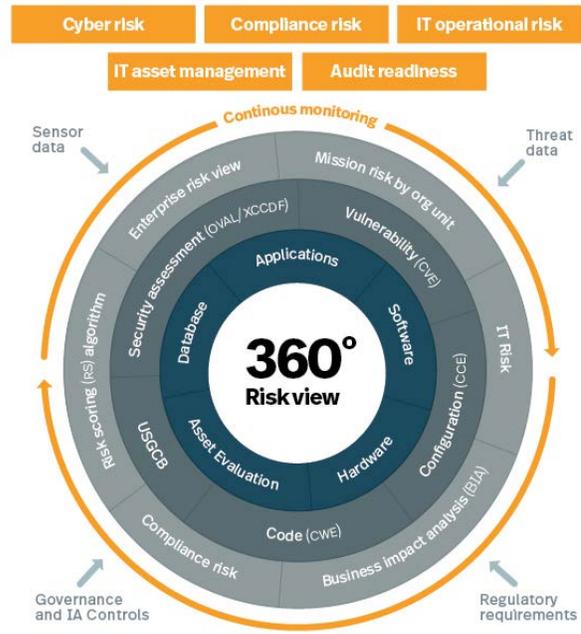
Security continues to be a critical factor for enterprises as they transform their IT operations to the cloud. With Virtustream Enterprise Cloud, customers get a rigorous set of security features recognized by cloud industry experts as best-in-class. From industry-standard capabilities such as role-based access, and segregation of logical and physical assets, to the more complex features of encrypting data at rest, in-use, and in motion without damaging I/O performance, enterprises can be confident that their data is secured and protected in a trusted environment.

A Commitment to Compliance

Virtustream takes a rigorous approach to information security management of its facilities and operations. That’s why all Virtustream data centers have the appropriate certifications, and technical data center personnel have government security clearance as required. These data centers, along with Virtustream’s cloud offerings, have achieved several important government and industry certifications. Virtustream works closely with customers to ensure their enterprise-class workloads are hosted in the right environment based on their compliance needs.

Comprehensive Risk and Compliance Management

Extending our compliance commitment, Virtustream also provides customers with an additional and valuable near real-time view of their entire compliance posture that provides increased protection while reducing the cost and complexity of meeting and demonstrating complex compliance requirements. With Virtustream Viewtrust, customers can leverage SaaS-based risk management and continuous compliance monitoring capabilities that provide continuous and proactive monitoring of IT risk across cloud and non-cloud environments to address risks including cyber, non-compliance, IT operations, audit readiness, and IT asset management.



Viewtrust can discover, categorize and build a detailed listing of assets within an enterprise, providing an accurate and timely 360° view of risk posture by asset, by application and by department. Viewtrust also has the unique ability to automatically create and track tasks and Plan of Action & Milestones POA&M's based vulnerabilities discovered for defect remediation, and automated workflow-based audit package generation capabilities that allow organizations to quickly and efficiently prepare comprehensive audit packages.

Comparison of Virtustream Enterprise Cloud vs. General Purpose Public Clouds

	General Purpose Public Cloud	Virtustream Enterprise Cloud
Performance Assurance	X	✓ Application Latency
Availability SLAs	✓ Infrastructure only	✓ Up to Application ¹
Continuous Auditing of Security and Compliance	X	✓ Industry Specific
Application Automation	X	✓ Admin Task Automation
Billing Methodology	✓ T-shirt Sizing	✓ Consumption Based
Assessment, On-boarding and Migration Services	X	✓ Virtustream Experts
Managed Services	X	✓ Up to Application ¹

¹ Includes operating system, databases, SAP Basis, etc.



True Consumption Economics

Only Virtustream offers true consumption economics. By using patented Virtustream MicroVM™ technology, Virtustream Enterprise Cloud provides a single, unified compute metric known as the MicroVM for IT organizations to measure their usage of cloud resources, allowing enterprises to only pay for the resources actually consumed, unlike the typical t-shirt sized allocation model common to general-purpose public cloud providers.

Professional and Managed Services

Virtustream works with enterprise IT leadership to define objectives and maximize efficiency to facilitate the enterprise cloud journey. Virtustream offers flexible choices through a full suite of professional and managed services including assessment of the enterprise IT landscape, onboarding and verification of data, and application consistency for production operations and steady-state transition to Virtustream managed services teams. With proven methodologies, tools, and deep infrastructure and application expertise, Virtustream enables the enterprises to off-load the operational complexities so their IT teams can focus on business initiatives that drive revenue.

Support for On-Premises VMware Environments

For Virtustream Enterprise Cloud customers who also have on-premises VMware environments, Virtustream Enterprise Cloud Connector for VMware vRealize Automation is a free, downloadable plugin module from VMware Marketplace that enables seamless integration from VMware private cloud to Virtustream Enterprise Cloud.

Contact

For more information about Virtustream Enterprise Cloud, please contact us at info@virtustream.com or visit us at www.virtustream.com.

About Virtustream

Virtustream, a Dell Technologies Business, is the enterprise-class cloud service and software provider trusted by enterprises worldwide to migrate and run their mission-critical applications in the cloud. For enterprises, service providers and government agencies, Virtustream's xStream® Management Platform and Infrastructure-as-a-Service (IaaS) meets the security, compliance, performance, efficiency and consumption-based billing requirements of complex production applications in the cloud – whether private, public or hybrid.

