

IBM Cloud for VMware Regulated Workloads

Highlights

- Highly available infrastructure
 - Integrated role-based access controls
 - Securely modernize legacy applications
 - Continuous workload compliance monitoring, enforcement and reporting
 - Standardized, compliance-ready and automated
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Maintain security, compliance and control of VMware regulated workloads in the world's first public cloud for financial services

Financial institutions and regulated industries undergoing digital transformation and hybrid cloud adoption face the unique challenge of protecting an ever-increasing attack surface as well as maintaining compliance with industry and regulatory requirements. To protect their businesses, enterprises need continuous visibility into workloads and must maintain a “full-stack” understanding of their workload vulnerabilities and configuration issues at the infrastructure, platform, and application level in the context of the latest threats and compliance requirements.

With IBM Cloud for VMware Regulated Workloads, clients can more effectively implement and govern security controls in the cloud, ensure auditing of all cloud administration, help protect business-critical data assets and prioritize meeting IT compliance for various national or industrial entities. IBM Cloud for VMware Regulated Workloads is a secure, automated reference architecture that enhances VMware vCenter Server on IBM Cloud to deliver a security-rich, high-performance platform for VMware workloads in regulated industries. This solution is built on the IBM Cloud Policy Framework for Financial Services which deploys a shared-responsibility model for implementing controls. It is designed to enable financial institutions and their ecosystem partners to confidently host apps and workloads in the cloud and be able to demonstrate regulatory compliance significantly faster and more efficiently than they are today—in fact, the policy framework is designed to demonstrate regulatory compliance on an ongoing basis, rather than every few months.

This reference architecture is a prescriptive solution and is comprised of three dedicated and isolated, purpose-built layers with a set of services included in the management plane. IBM Cloud for VMware Regulated Workloads is ideal for any regulated industries, inclusive of banking and financial services. This solution is available in nearly 35 global data centers and has additional add-on services available, like Veeam and Zerto services for business continuity and disaster recovery.

Enabling technologies and attributes	
Isolation	<ul style="list-style-type: none"> - Separate Management Control & Monitoring Plane - Separate Edge Cluster & Gateway Management with Isolation from Public Internet - Network Management to isolate SDN control plane from Workload Clusters
Access restrictions	<ul style="list-style-type: none"> - IAM - Role Based Admin & User Access
Policies	Unified Security & Network Policies across Management Stack & Workload Clusters for both VMs & Containers
Encryption	<ul style="list-style-type: none"> - Integrated Key Control with granular encryption - Key Management (BYOK & KYOK) including Highest level encryption key protection (FIPS 140-2 Level 4)
Compliance	<ul style="list-style-type: none"> - Continuous Compliance Management-Auditing - Monitoring & Prevention
Backup and DR	<ul style="list-style-type: none"> - Data & VM backup - DR and HA clusters (optional)
Management	Avail as fully customer managed with root hypervisor access control or Managed by IBM services

Enabling Technologies

Why IBM?

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Customers gain rapid scalability, deployment in global data centers and access to industry-leading disaster recovery, backup, security and compliance solutions from an array of ecosystem partners.

As clients continue to migrate and modernize their VMware workloads on IBM Cloud, especially regulated and mission critical business workloads, security of these assets is of utmost priority. Learn more about IBM Cloud for VMware Regulated Workloads by visiting our website or talking to your IBM representative.

For more information

To learn more, please contact your IBM representative or IBM Business Partner, or visit the following website:

ibm.com/cloud/vmware

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