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IBM Cloud

Enabling Compliance in a Hybrid Cloud

VMware on IBM Cloud

Enabling Compliance in a VMware Hybrid Cloud

VMware on IBM® Cloud with optional HyTrust Cloud Control (HTCC) and Data Control (HTDC) provides the basis for a trusted cloud infrastructure suitable for workloads subject to regulatory compliance.

HTCC and HTDC harness Intel Trusted Execution Technology provided on IBM Cloud bare metal servers. When leveraged with VMware on IBM Cloud, customers ensure that workloads can only be executed in specified geographies, administrative access is restricted based on policies and granular auditing is provided. These capabilities help companies adhere to regulatory compliances such as FISMA, FedRAMP, PCI DSS 3.1, HIPAA/HITECH, and CJIS.

What does HTCC provide?

HTCC provides very granular administrative access to the VMware environment. It implements and enforces access restrictions meeting compliance requirements and also provides physical host attestation meaning that workloads can only be migrated to authorised servers.

What does HTDC provide?

HTDC provides data encryption to a specified pool of servers, which can only be read and executed within that specified pool. If the workload is copied or downloaded to an unauthorised server, it will be unreadable making it secure from unauthorised execution.

Combining HTDC and HTCC

Together, HTDC and HTCC, enforce data sovereignty which ensures workloads cannot be moved and cannot be executed outside the authorised region. This prevents sensitive workloads from being moved across geographic borders.

Where can I find more information on this solution?

Contact your VMware on IBM Cloud expert.

Product Features

Authorised Servers
Establish a trusted pool of servers and restrict workloads and administrative access to ensure sensitive workloads are protected.

Compliance - Auditing and Logging
Forensic quality logging of all VMware administrative actions creates an audit trail necessary for regulatory compliance.

Granular Role-based Access Controls
Detailed control policies for governance and compliance requirements can reduce the potential for malicious activity or human error (HE)

Boundary Control and Geo-fencing
Ensure workloads only run on authorized servers and all processing remains in-country or only on the subset of servers assigned to a specified administrative group.

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