

## HyTrust CloudControl

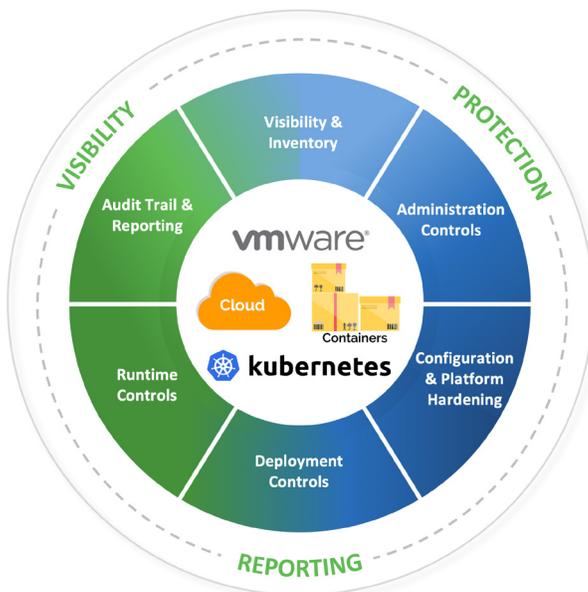
Comprehensive Security for Hybrid Multi-Cloud Environments

### CloudControl: Reducing Risk Through Unified Visibility and Policy

As IT architectures transition to hybrid cloud, security architectures must undergo a corresponding transformation. Deploying point solutions that each address a particular infrastructure type just results in higher costs and inconsistent protection. HyTrust CloudControl addresses the need for a comprehensive solution by providing a unified framework for security and compliance across the hybrid cloud, lowering both risk and operational overhead. Originally developed as the industry's leading solution to protect applications and data in VMware virtualized datacenters, CloudControl also delivers security for public cloud and containerized environments.

### Comprehensive Capabilities

HyTrust CloudControl drives security, compliance, and availability across six key areas.



- Protect applications and data
- Prevent disruption due to administrator errors
- Meet compliance requirements with low operational overhead
- Produce audit-quality logs to support incident response

### Solution Highlights

- Comprehensive security and compliance across virtualization, public cloud, and containers
- Over 20 capabilities in a single solution
- Unified policy, visibility, and administrative guardrails
- Built-in compliance templates & robust reporting
- Secure separation of workloads
- "Security as code" automation for DevSecOps

Within these six areas, CloudControl offers over twenty capabilities which can be customized to meet any organization's desired risk posture and control activity requirements:

Visibility and Inventory	Administration Controls	Configuration and Platform Hardening	Deployment Controls	Runtime Controls	Audit Trail and Reporting
<ul style="list-style-type: none"> <li>- vSphere &amp; NSX; Public Cloud, Containers and Kubernetes</li> <li>- Discovery</li> <li>- Inventory</li> <li>- Security context</li> </ul>	<ul style="list-style-type: none"> <li>- RBAC</li> <li>- ABAC</li> <li>- Secondary approval</li> <li>- Root password vaulting</li> <li>- Two-factor authentication and IAM Integration</li> </ul>	<ul style="list-style-type: none"> <li>- Configuration best practices</li> <li>- Compliance templates</li> </ul>	<ul style="list-style-type: none"> <li>- Workload placement &amp; segregation</li> <li>- Security best practices</li> <li>- Image assurance</li> <li>- Boundary control</li> <li>- CI/CD integration</li> </ul>	<ul style="list-style-type: none"> <li>- Policy re-scan</li> <li>- Real-time alerts</li> <li>- Automatic remediation</li> </ul>	<ul style="list-style-type: none"> <li>- Forensic quality change log</li> <li>- Cross-platform logging and search</li> <li>- Recommendation and exec. summary reports</li> <li>- SIEM and ITSM integration</li> </ul>

*Comprehensive risk management across the hybrid cloud*

**Solution Benefits**

Consistency is key to operationally efficient security and compliance. Unlike fragmented approaches, CloudControl provides comprehensive capabilities in a unified policy framework that delivers superior value and minimizes staff time wasted on operational assurance.

Benefit	CloudControl Value Add
Decreased risk of security or availability failures for applications and data	Full-stack multi-dimensional policies. Industry leading administration controls to protect against insider threats, spear phishing against IT staff, and human errors that cause downtime.
Improved agility for virtualized datacenters, public and private clouds	"Write-once, apply anywhere" policies support consistent controls and eliminate manual efforts.
Lower operational overhead	Eliminates multiple consoles and inconsistent security constructs. Trust Manifests provide "security as code" automation.
Efficient full-stack compliance	Built-in templates for PCI, NIST 800-53, HIPAA, FedRAMP, DISA STIG and more. Workload placement controls and logical segmentation. Robust audit trail and reporting supports control validation.
Improved visibility and operational awareness	Forensic quality logs for incident response root cause analysis and intent context.

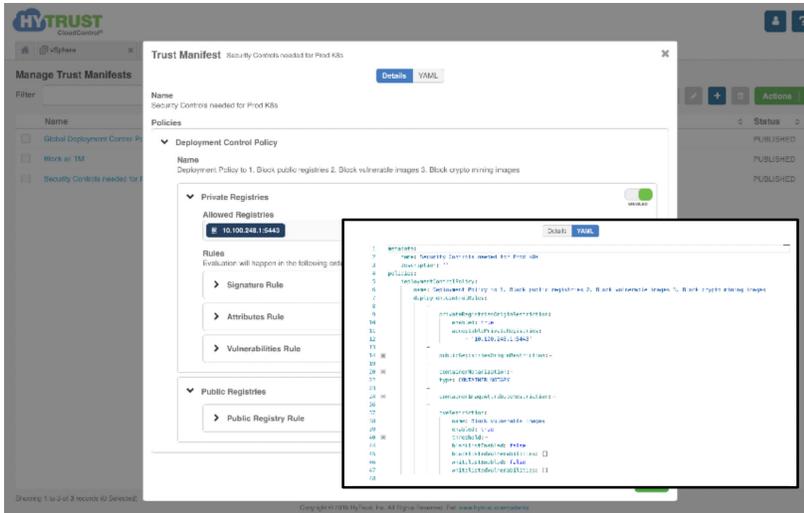
**Automation Accelerates Digital Transformation**

Traditional security models depend on human-driven security policies based on relatively static object definitions. This paradigm is no longer viable, because IT is expected to support a much higher level of agility, whether on-premises or in the cloud. CloudControl supports this agility in multiple dimensions. Security policies can be written independently of underlying infrastructure and will be translated into actual controls based on workload location. Logical segmentation automatically enforces workload placement policies based on multiple attributes. Policies can be integrated into DevOps style CI/CD environments using "security as code." And all functions can be automated and integrated using open APIs.

**Feature Spotlight: Automating Operations Best Practices**

Cloud and virtualization drives agility, but guardrails are needed to avoid mistakes. It is common knowledge that operator errors are frequently the culprit for outages or security gaps. CloudControl supports the industry's most sophisticated automation of operational best practices to lower risk and drive availability:

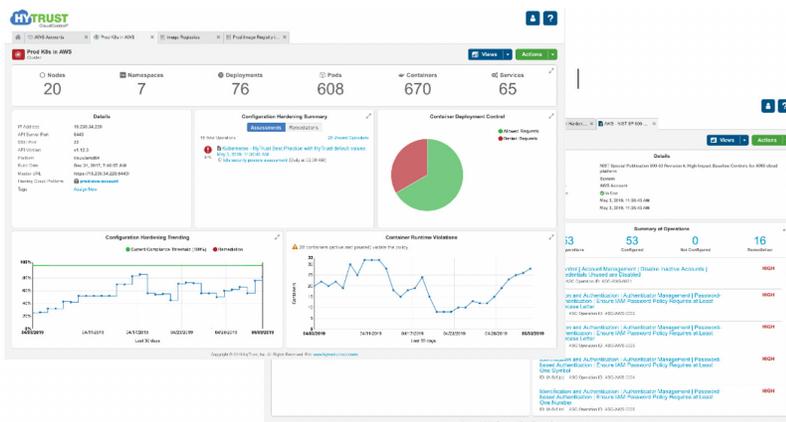
- Highly granular attribute and role-based administrator authentication and authorization
- Least privilege policy enforcement
- Environmental hardening
- Separation of duties assurance
- Secondary approvals for high risk changes
- Root password vaulting



Trust Manifests create "security as code" YAML policies

## Proven, Scalable Risk Management

With over nine years of production deployments worldwide, CloudControl has been proven to scale to suit the needs of mid-sized and large enterprises and public sector organizations. HyTrust pioneered advanced security for the management plane of virtualized data centers. As architectures have evolved from virtual to software defined, private cloud, and now hybrid multi-cloud, CloudControl continues to be the leading option for lowering risk of data loss or downtime due to compromise or abuse of the administration interface. However HyTrust has also continuously innovated broader capabilities across multiple dimensions, while maintaining unified policy and visibility. As a result, organizations can be assured that CloudControl is a superior strategic choice for risk management, avoiding an endless parade of point solutions with limited lifespan.



Comprehensive dashboards and reporting for efficient operations



kubernetes



OPENSHIFT

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