



ENTRUST

Entrust CloudControl Advanced Role-Based Access Control for VMware Cloud Foundation

SOLUTION HIGHLIGHTS

- Provides comprehensive security for the most critical components of VCF (vSphere, NSX, and SDDC Manager)
- Allows admins to create custom authorization roles across the VMware Cloud Foundation Stack
- Provides broader capability for multi-factor, single sign-on authentication by integrating with external identity providers like Ping, Okta, Azure AD, etc.
- Provides robust, centralized, granular AAA (authentication, authorization, and audit) protection

The Problem:

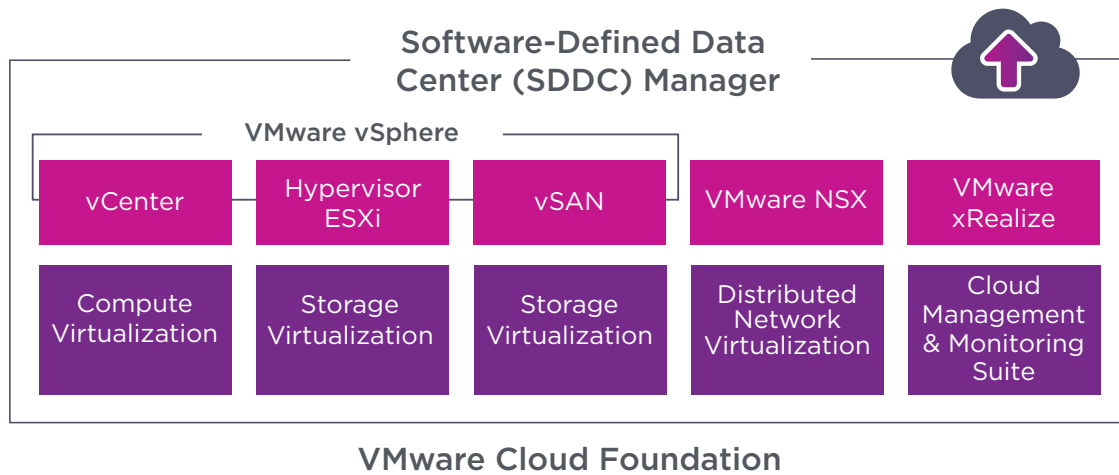
Inconsistent administrative experience of authentication, authorization, and audit of privileged users across VMware's ecosystem can weaken an enterprise's security posture.

With the increasing use of virtualization platforms and micro-segmentation, teams of administrators seeking to access, configure, control, and monitor software-defined data center ecosystems can adopt different practices and face inconsistent VM experiences.

Creating a consistent environment for administrators to normalize provisioning and control of VMware components reduces the risks for privileged users and strengthens cloud security posture. With inadequate access controls placed on privileged users, organizations are exposed to administrative errors, misconfiguration, and the potential threat from a disgruntled privileged user disrupting VM operations.



Entrust CloudControl VMware Cloud Foundation (VCF)



The Challenge:

Balancing the agility of VMware's VCF platform with a flexible and consistent administrative experience when the authentication and authorization mechanisms are inconsistent across control planes.

Realizing the full benefits of VMware Cloud Foundation as part of an enterprise's software-defined data center (SDDC) strategy requires varying degrees of flexibility. Achieving this while ensuring compliance with security requirements presents technical challenges. Effective management of user authentication and authorization is required to protect critical applications and data.

The Solution:

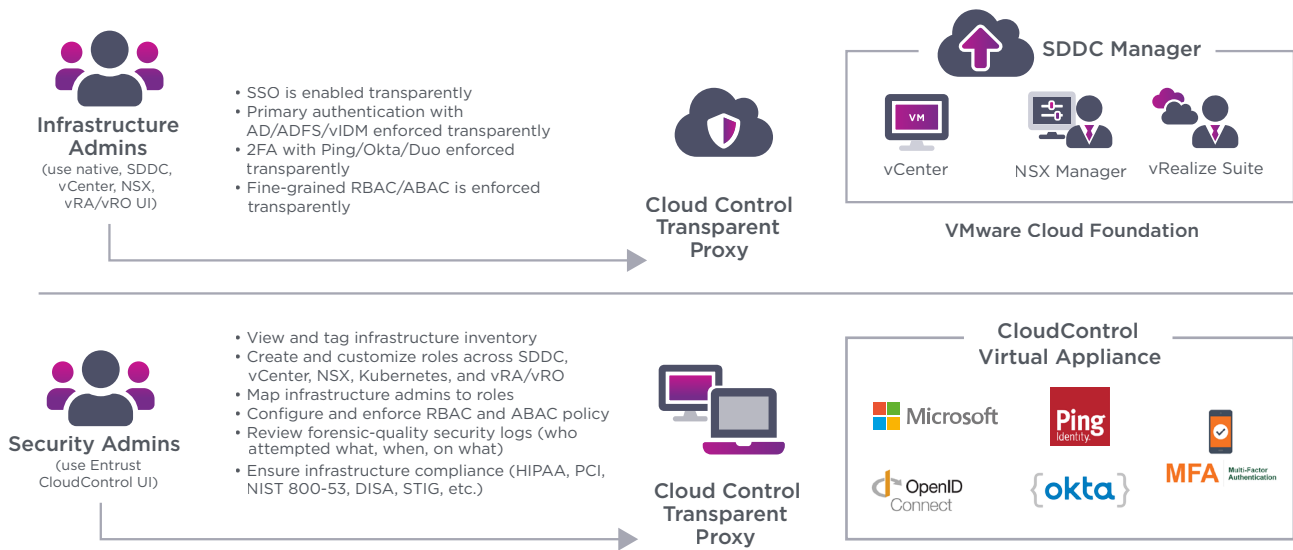
Entrust CloudControl VMware Cloud Foundation (VCF) provides a scalable platform that allows security administrators to create customizable authentication and authorization policies to be applied across VCF's management components such as vSphere, NSX Manager, and SDDC Manager.

This Entrust/VMware-integrated solution:

- Enables fine-grained administrative access to configure, control, and monitor security policies across virtual environments

- Delivers centralized authentication, authorization, and audit controls, reducing operational and security risks
- Enables customers to realize the full benefits of micro-segmentation in the SDDCs
- Features granular, role-based access control and monitoring to expedite trouble resolution and facilitate compliance with security requirements
- Strengthens the native security of VMware NSX and ESXi virtualization platforms
- Solves multi-tenancy challenges by enforcing access control policies for virtualized servers and desktop infrastructure (VDI), effectively segmenting virtual deployments and securely isolating each tenant's critical applications and data
- Supports single sign-on (SSO), allowing users to pass their authorization credentials using security assertion markup language (SAML) for greater flexibility

Entrust CloudControl VMware Cloud Foundation (VCF)



Entrust CloudControl for VCF strengthens native security features of VMware deployments.

Summary

How does Entrust CloudControl for VCF strengthen native security?

Entrust CloudControl VCF delivers increased agility, accelerated deployment times, and decreased infrastructure costs – without risking unauthorized access across a tenant’s virtual infrastructure. The centralized solution enables organizations to achieve authentication, authorization, and audit control for graphical user interface and API access to critical infrastructure resources in the ecosystem, including ESXi hosts, vCenters, NSX-T Managers, vSAN, and associated SDDC workload and management domains.

About Entrust CloudControl

Entrust CloudControl delivers comprehensive security for hybrid multi-cloud, virtualized, and container environments. The solution provides a unified framework for security and compliance, reducing both risk and operational overhead. Supporting more than 20 capabilities in a single solution, CloudControl provides unified policy, visibility, and administrative guardrails and built-in compliance templates for robust reporting. Secure separation of workloads further supports DevSecOps environments, and seamless integration with VCF enables organizations to achieve authentication, authorization, and audit controls.

Learn more at entrust.com/digital-security/cloud-security-encryption-key-management

For more information

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ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely by enabling trusted identities, payments, and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services, or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.

Learn more at
entrust.com



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