



PRODUCT BRIEF

SafeNet ProtectV™

Full Disk Virtual Machine Encryption

SafeNet ProtectV provides full disk encryption of virtual instances so you can securely migrate even your most sensitive and highly regulated data to the cloud or a virtual data center. With SafeNet ProtectV's unified encryption and control access, you can improve your business agility and lower costs inherent in virtual environments. In addition, your organization can be safe knowing that you retain access to and control of your encrypted data and keys at all times.

Whether using Amazon Web Services, Microsoft Azure, IBM SoftLayer Cloud, or VMware, SafeNet ProtectV ensures cloud-ready security.

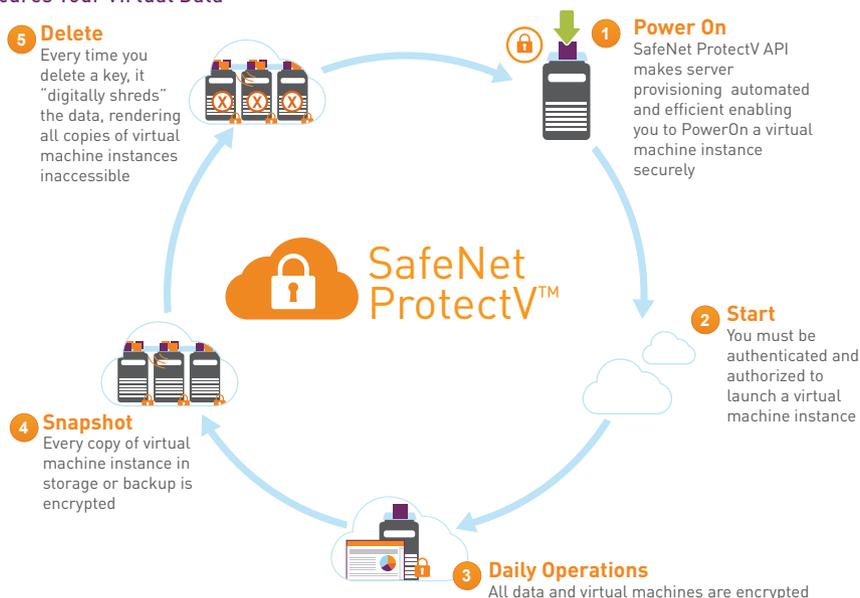
The industry's first comprehensive high-availability solution for protecting data in the cloud, SafeNet ProtectV encrypts entire virtual machine instances and attached storage volumes. In addition, no virtual machine instance can be launched without proper authorization from SafeNet ProtectV StartGuard pre-boot authentication.

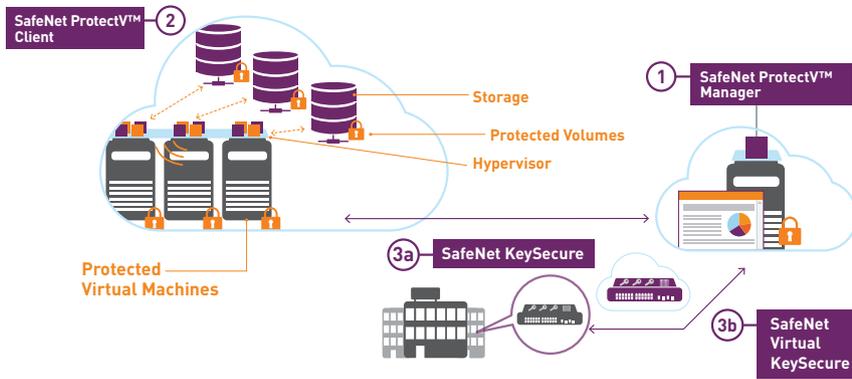
SafeNet ProtectV provides full disk encryption to ensure secure virtualization and cloud migration

- > Isolate virtual machines instances
- > Authorize virtual machine instance launches with SafeNet ProtectV StartGuard
- > Track key access to all copies of your data
- > Revoke key access in case of a breach

Together with SafeNet KeySecure, SafeNet ProtectV provides a highly available encryption solution to address a myriad of industry security standards and government regulations such as PCI DSS and HIPAA HITECH. Regardless of where your workload resides, you can separate security administration duties, enforce granular controls and establish clear accountability with audit trails and detailed compliance reporting.

SafeNet ProtectV: Secures Your Virtual Data





- 1 SafeNet ProtectV Manager** – Centralized console for managing virtual machine instances and their encryption and decryption, as well as creation and management of security admin profiles, security groups and policies.
- 2 SafeNet ProtectV Client** – Installed on your virtual machine instances, the Client enforces pre-boot authentication based on associated ProtectV Manager security policies and permissions and encrypts data as it is written to storage.
- 3 SafeNet KeySecure** – Hardened, highly available enterprise key/crypto management solution delivered as a hardware appliance (3a) or in a virtual platform as a virtual security appliance (3b).

SafeNet ProtectV is a Comprehensive Data Protection Solution for Virtual and Cloud Environments

- > Comprehensive data protection and security policy management for virtual and cloud infrastructure
- > Single pane of glass for controlling and monitoring your data in the cloud
- > Supports Windows and Linux

SafeNet ProtectV Removes Regulatory Compliance as a Barrier to Virtualization and Cloud Migration

- > Maintain compliance requirements across virtual and cloud infrastructure – migrate to virtualized and cloud infrastructure while remaining compliant
- > Decouple compliance requirements from infrastructure requirements – maximize business agility without compromising regulatory compliance

SafeNet Identity and Data Protection Solutions

Virtualization and cloud security solutions, like all enterprise security, need to be managed in a layered approach to the information protection lifecycle that combines encryption, access policies, key management, content security, and authentication. These layers need to be integrated into a flexible framework that allows the organization to adapt to the risk it faces.

Wherever data resides, Gemalto offers persistent, secured storage for structured and unstructured data. Gemalto provides a practical framework for delivering the trust, security, and compliance enterprises demand when moving data, applications and systems to the virtual environments and the cloud.

Contact Us: For all office locations and contact information, please visit www.safenet-inc.com

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Technical Specs

Cloud Platforms Supported:

- > Amazon: Amazon EC2, Amazon VPC
- > VMware vSphere
- > Microsoft Azure
- > IBM SoftLayer Cloud

Minimal System Requirements:

SafeNet ProtectV Manager:

- > AWS: t2.medium and larger (for production environments) / 1 volume (auto created / 16 GB)
- > VMware: Ubuntu [Linux 64 bit], 2vCPUs, 4GB memory (minimum), 1 NIC (VMXNET 3), 16GB disk

SafeNet ProtectV Client:

- > AWS: m1.small or larger instance, 256MB RAM, 100MB free disk space
- > VMware: 256MB RAM, 100MB free disk space

Client OS Support*

- > Microsoft Windows Server
- > CentOS
- > SUSE Linux Enterprise Server (SLES)
- > Red Hat Enterprise Linux (RHEL)
- > Ubuntu

*Refer to our website

www.safenet-inc.com/data-protection/virtualization-cloud-security/protectv-cloud-data-protection/#tab2 or Customer Release Notes for additional information on the Client OS supported

To learn more about Gemalto's complete portfolio of SafeNet Identity and Data Protection solutions, please visit our website at www.safenet-inc.com.

