

PRODUCT BRIEF



Virtual Machine Encryption for Microsoft Azure with SafeNet ProtectV™

When organizations are running business-critical applications or storing and accessing sensitive data, they often need rapid access to flexible and low-cost IT resources. Cloud services from Microsoft Azure provide the agility, elasticity, capacity, and redundancy required to maintain a competitive advantage in the market. On-demand delivery of these IT resources, with pay-as-you-go pricing, has convinced many organizations to create their servers in or move existing servers to Microsoft Azure—with substantial cost and efficiency benefits.

Some applications and data require additional security due to rigorous contractual or regulatory requirements. Until now, companies had to store sensitive data (and/or the encryption keys protecting it) in on-premises data centers. Unfortunately, this either prevented migration of these applications to the cloud or significantly slowed their performance.

The Gemalto and Microsoft Solution

Today, Microsoft and Gemalto have teamed up to provide protection for virtual machines and storage volumes in Microsoft Azure that is as secure as physical servers and storage in the most robust, secure on-premises environment.

SafeNet ProtectV™ makes sure your sensitive workloads can migrate to Microsoft Azure—no matter what level of security is needed. Best of all, the entire solution stack is available for purchase on the [Microsoft Azure Marketplace](#).

SafeNet ProtectV

SafeNet ProtectV secures your data on Microsoft Azure by encrypting entire virtual machine instances and attached storage volumes, and ensures complete isolation of data and separation of duties.

KEY BENEFITS

Complete virtual machine and storage encryption:

- > Encrypt entire virtual machines and their associated storage volumes
- > No data is written to system partition or storage volume disk without first being encrypted
- > Even data stored in the OS partition is secured

The tools customers need to stay compliant in the cloud:

- > Undisputed command and proof of ownership for data and keys
- > Only authorized individuals can launch VMs
- > Prevents unauthorized data exposure or super-user abuse
- > Helps meet a range of regulations, such as PCI and PAA

Maintain Full Data Control Throughout Migration to the Cloud

By encrypting the entire virtual machine, SafeNet ProtectV also encrypts all of the data residing in the instance. Once encrypted, all archives, snapshots and backups of these instances remain secure regardless of their location. Additionally, SafeNet ProtectV's StartGuard makes it impossible to instantiate without authorization. This feature allows customers to track all encrypted instances even when copied or archived, ultimately providing an audit trail of all actions and copies of the customer's data.

KEY BENEFITS

Save money with subscription pricing:

- > SafeNet ProtectV is available in the [Microsoft Azure Marketplace](#) as a pay-as-you go subscription and the first 30-days are free!
- > Subscriptions are cheaper and better suited for operating expenditure (op-ex) models compared to capital expenditure (cap-ex) models where hardware is purchased with upfront payment.

Separate Duties Among Administrators

SafeNet ProtectV's encryption obfuscates data rendering it unreadable to the administrators managing the storage environment. SafeNet ProtectV integrates with SafeNet KeySecure and Virtual KeySecure, to place control of the encryption keys in the customer's hands. Deployed together, customers have the ability to separate security and storage duties amongst administrators – both internal and external to the customer's organization. By bringing these operations fully under their control from a single management point, customers can ensure that privileged users in the cloud pose no threat to the sensitive data.

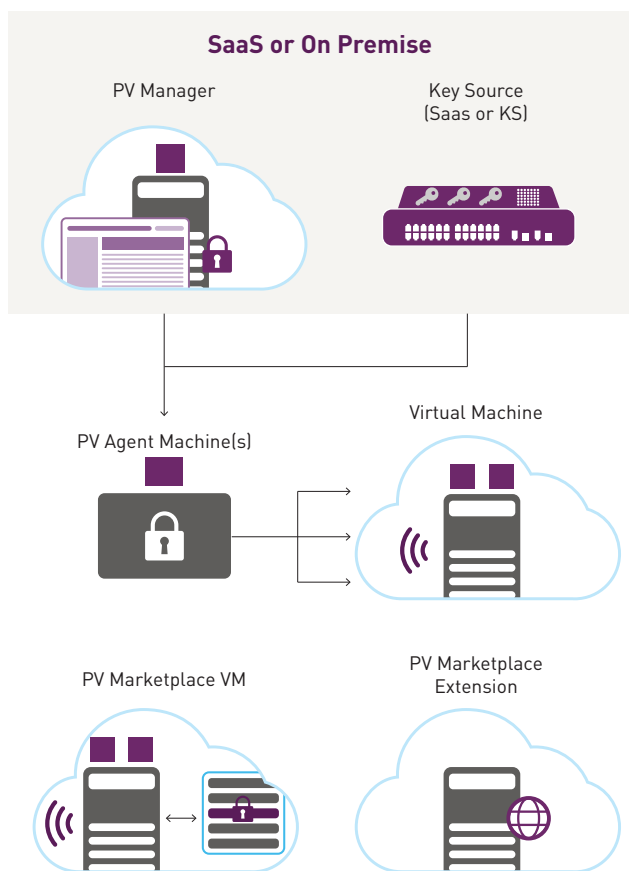
Conclusion

SafeNet ProtectV makes migrating and storing sensitive data on Microsoft Azure safer and easier for enterprises while enabling them to preserve full control of their data through the effective and secure management of encryption and the encryption keys securing that data.

To learn more, visit www.safenet-inc.com/partners/microsoft/

About Gemalto's SafeNet Identity and Data Protection Solutions

Through its acquisition of SafeNet, Gemalto offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions – from the edge to the core. Gemalto's newly expanded portfolio of SafeNet Identity and Data Protection solutions enables enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters. Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.



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