

SOLUTION BRIEF

Enabling Compliance on Microsoft Azure with SafeNet ProtectV

Businesses are increasingly turning to elastic cloud services like Microsoft Azure to run business-critical applications, but security and compliance remain top concerns. SafeNet ProtectV for Microsoft Azure solves this challenge by delivering a simple and easy way to protect even the most sensitive and highly-regulated data on Microsoft Azure. By encrypting entire virtual machine instances and attached storage volumes, ProtectV allows Microsoft Azure customers to separate security administration duties, enforce granular controls and establish clear accountability with audit trails and detailed compliance reporting.

Separate security administration duties

With SafeNet ProtectV, customers can separate security and storage duties amongst administrators – both internal and external to their organization. By bringing these operations fully under their control from a single management point, they can ensure that privileged users in the cloud pose no threat to sensitive data.

Enforce granular controls

Even when hosted on Microsoft Azure, data retrieval and digital shredding remain solely the enterprise's responsibility. SafeNet ProtectV centralizes policy enforcement and provides a single audit point to facilitate proof of governance—a key factor in compliance and the audit process. Illegitimate or hidden copies of data are rendered useless, and trusted audit logs cover access events. Enterprises storing data on Microsoft Azure can rely on ProtectV to ensure they have visibility over the enforcement of security policies, and that access, modification, and administration of sensitive assets can be concretely and definitively reported on and verified by external auditors.

Establish clear accountability

By encrypting the entire virtual machine, SafeNet ProtectV also

KEY BENEFITS

The tools that customers need to stay compliant on Microsoft Azure:

- > Encryption of entire virtual machines and their associated storage volumes
- > Undisputed command and proof of ownership for data and keys
- > Only authorized individuals can launch VMs
- > Prevents unauthorized data exposure or super-user abuse

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. 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. Additionally, ProtectV ensures that no virtual machine instance can be launched without proper authorization from ProtectV StartGuard pre-boot authentication.

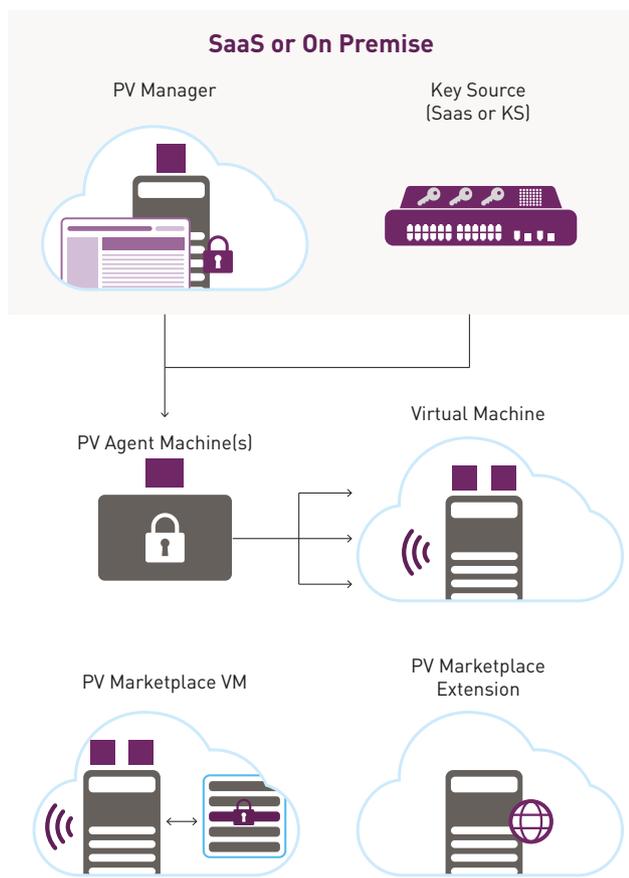
Flexible key management options

SafeNet ProtectV securely generates and stores the encryption keys used to decipher the encrypted data. Customers can add a secret to the keys before they are used to encrypt virtual machines by using a Microsoft Azure Key Vault. For an added layer of protection, SafeNet ProtectV integrates with SafeNet KeySecure and Virtual KeySecure to give customers full control and ownership of keys – so that only they have access to the keys.

KEY BENEFITS

SafeNet ProtectV for Microsoft Azure helps organizations improve data control and governance, and supports compliance with:

- > NIST FIPS 140-2 Requirements
- > FISMA and Cloud Security Alliance Cloud Controls
- > HIPPA/HITECH Requirements
- > PCI DSS Requirements
- > NIST SP 800-144 Cloud Security Guidelines
- > OMB Cloud First Programs



Conclusion

SafeNet ProtectV, available in the [Microsoft Azure Marketplace](#), allows Microsoft Azure customers to encrypt and protect their most sensitive data and applications on Microsoft Azure while maintaining compliance requirements and achieving high levels of data protection.

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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