# Data Security for Microsoft Azure

Enabling Windows BitLocker and native OS encryption on virtual machines while providing customer control of keys

MICROSOFT AZURE ISV PROFILE: CLOUDLINK

CloudLink® is a leading provider of advanced data security and encryption management solutions that protect sensitive customer information in multitenant public, private, and hybrid clouds. SecureVM is an innovative key management solution that extends Windows BitLocker functionality to Windows virtual machines (VMs) running on Microsoft Azure while also supporting boot and data volume encryption on Linux VMs.

WHAT WE OFFER
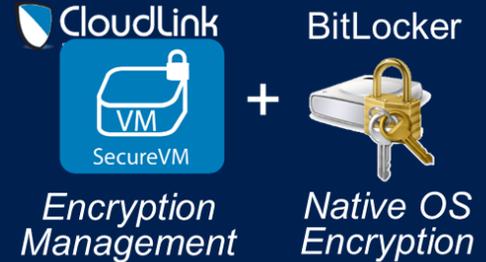
CloudLink SecureVM provides the assurance organizations require to move forward with server and desktop cloud initiatives by extending security protection beyond the data to the virtualized machine itself. This security is particularly important for Windows applications that may leak sensitive data to an operating system volume via swap or temporary files. It's common for configuration files stored on the OS volume to contain sensitive information, including account credentials for connecting to databases, other types of servers, or applications. In these situations, it's critical to control and secure access to data residing on the OS volume.

CloudLink SecureVM works in combination with Microsoft BitLocker technology, a proven and high performance volume encryption solution widely implemented for physical machines. CloudLink SecureVM extends BitLocker functionality as BitLocker native authentication mechanisms are not supported in cloud environments. CloudLink's proven encryption key policy management functionality allows Microsoft BitLocker to be used for automated encryption of boot volumes in the cloud while enabling enterprise administrators to control security policy and encryption keys. SecureVM also supports encryption of Linux root partitions and mount points.

WHY CLOUDLINK

"CloudLink's data security platform helps Microsoft Azure customers to encrypt sensitive data and meet essential compliance requirements. CloudLink's solution gives our customers flexible support for Windows and Linux environments and offers encryption across enterprise workloads deployed on Azure." – Kim Akers, general manager, Microsoft

LEARN MORE

Visit www.cloudlinktech.com to learn more about CloudLink data security solutions for Microsoft Azure and hybrid clouds.

Microsoft Azure

Microsoft Azure is an open and flexible cloud platform that enables you to quickly build, deploy, scale, and manage applications across a global network of Microsoft datacenters. You can build applications using multiple languages, tools, and frameworks.

KEY USE CASES

WEB APPLICATIONS
Build anything from lightweight websites to multi-tier cloud services that scale up as your traffic grows.

CLOUD STORAGE
Rely on geo-redundant cloud storage for backup, archiving, and disaster recovery.

BIG DATA & HPC
Get actionable insights from your data by taking advantage of a fully compatible enterprise-ready Hadoop service.

MOBILE
Accelerate your mobile app development by using a backend hosted in Microsoft Azure. Scale instantly as your install base grows.

MEDIA
Create, manage, and distribute media in the cloud – everything from encoding to content protection to streaming and analytics support.

FLEXIBLE APPLICATION MODEL
Microsoft Azure provides a rich set of application services, including SDKs, caching, messaging, and identity. You can write applications in .NET, PHP, Java, node.js, Python, Ruby, or using open REST protocols. This is all part of Microsoft's promise to let you build using any language, tool, or framework.

ALWAYS ON, ALWAYS HERE
Build resilient applications with automatic operating system and service updating, built-in network load balancing, and geo-redundant storage. Microsoft Azure also proudly delivers a 99.95% monthly SLA. You can rely on decades of experience in datacenter operations and trust that everything Microsoft Azure offers is backed by industry certifications for security and compliance.

DATACENTER WITHOUT BOUNDARIES
Microsoft Azure makes it easy for you to integrate your on-premises IT environment with the public cloud. Migrate your virtual machines to Microsoft Azure without the need to convert them to a different format. Use the robust messaging and networking capabilities in Microsoft Azure to deliver hybrid solutions, and then manage your hybrid applications from a single console with Microsoft System Center.

GLOBAL REACH
With datacenters around the globe, a massive investment in datacenter innovation, and a worldwide Content Delivery Network, you can build applications that provide the best experience for users, wherever they are.

Learn more: www.microsoftazure.com
© 2015 Microsoft Corporation. All rights reserved.

■■ Microsoft