# Nutanix and WinMagic

## JOINT SOLUTION BENEFITS

- Increase protection for your virtual servers and data against breach

- Strengthen data security compliance efforts

- Ease scalability with easily deployable licenses, supporting any of a customer's growth or burst needs – no matter what speed, or scale

- Reduce Operation & Time Costs associated with managing multiple data security solutions across your IT environment

**WINMAGIC** ®
**DATA SECURITY**

*"The future lies in turnkey cloud solutions like Nutanix AHV, and the powerful security benefits of our SecureDoc CloudVM solution will provide customers greater control and certainty over their data security through our intelligent enterprise-controlled, cloud-agnostic key management & encryption solution."*

– James LaPalme,
VP Business Development,
WinMagic

## VM-LEVEL ENCRYPTION FOR VIRTUAL WORKLOADS

WinMagic is an award-winning encryption and intelligent key management security solution provider. With its SecureDoc product suite, WinMagic ensures easy-to-use and robust encryption and key management solutions for endpoint virtualized and cloud environments, across all operating systems.

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization, networking, and storage into a resilient, software-defined solution with rich machine intelligence. Nutanix has helped large and small IT organizations simplify their datacenter and gain predictable performance, linear scalability, and cloud-like infrastructure consumption.

## SOLUTIONS OVERVIEW

Together, Nutanix and WinMagic help deliver end-to-end solutions for building and securing customers' virtualized and cloud environments. Key features of the combined solutions include:

- An easy to design and deploy solution: leverage sizing tools and reference designs to go from concept to production as much as 30X faster than traditional approaches

- One platform for all: Consolidation on to a single solution with predictable scalability delivered by Nutanix's web-scale architecture

- Consistency of security across the Nutanix platform, and into Cloud IaaS platforms: Apply intelligence to VM-level encryption and key management; controlling VM sprawl by preventing unapproved copying and snapshots, relocation of VMs outside your boundaries, public cloud exploitation and other threats, and keeping you compliant with data privacy regulations.

## TECHNICAL DETAILS

In virtualized environments, VMs are much easier accessed than in the physical world. Easier access generally results in less control. And that's particularly dangerous when it comes to controlling sprawl and migration of your critical workloads. WinMagic's SecureDoc CloudVM layers on top of Nutanix's Enterprise Cloud platform running the Acropolis Hypervisor (AHV) to unify and improve data security in virtualized and cloud computing environments. SecureDoc CloudVM protects workloads and data against breach or undisclosed access, by providing persistent VM-level encryption of VMs running on Nutanix, so that no matter where the VMs are located within your environment – active use, dormant, offline, or in back-up, you know you're protected. WinMagic's SecureDoc Enterprise Server provides administrators the tools to audit, discover and manage VM encryption in a single web console – reducing the risk of unprotected workloads and facilitating compliance requirements.

**NUTANIX**™
Your Enterprise Cloud Platform

## Securedoc CloudVM:

- **Protects workloads against external and internal breach**

  - Provides VM-Level encryption – reducing the costs and complexity of protecting at the hardware level

  - PBConnex, WinMagic's preboot Network Authentication solution authenticates VMs through a remote management server before the VM loads, preventing exposure of workloads

  - Key management is completely separated from the hypervisor, providing the enterprise exclusivecontrol of their keys, and eliminating risk of exposure to unauthorized parties.

  - Assigns key manager as a virtual appliance in Cloud Service Provider marketplaces

- **Automates DevOps**

  - Build VM templates with encryption running, or launch encrypted VMs at the get-go

- **Provides ultimate Flexibility in Deployment**

  - Encrypted VM can also exist in a High Availability setup with no compatibility issues

  - Supports multiple subscription IDs from Azure and AWS

  - Supports ability to encrypt multiple disks (Volumes) on Linux VM for all supported OS

- **Enforces Data Sovereignty and Data Governance policies**

  - Tightly define the operational boundaries of your VMs and other parameters, including how your VMs are accessed, shared, cloned or replicated (time zone, cloning, snapshot, etc.)

  - Ensures Portability and fosters a cloud and cluster agnostic environment

  - Shift workloads and data when and as you see fit, with no need to decrypt and re-encrypt when VM/volumes are cloned, moved, or replicated.

  - When finished with your virtual instance, WinMagic's SecureDelete ensures that your data is secured by removing the key, thus preventing any future access to the data

- **Transparent to Cloud Operations**

  - Supports High Availability, Duplication/Cloning of snapshots – VMs remain encrypted in all cloud operations

## WINMAGIC SYSTEM REQUIREMENTS & SUPPORT

### Cloud Platforms:

- Amazon EC2
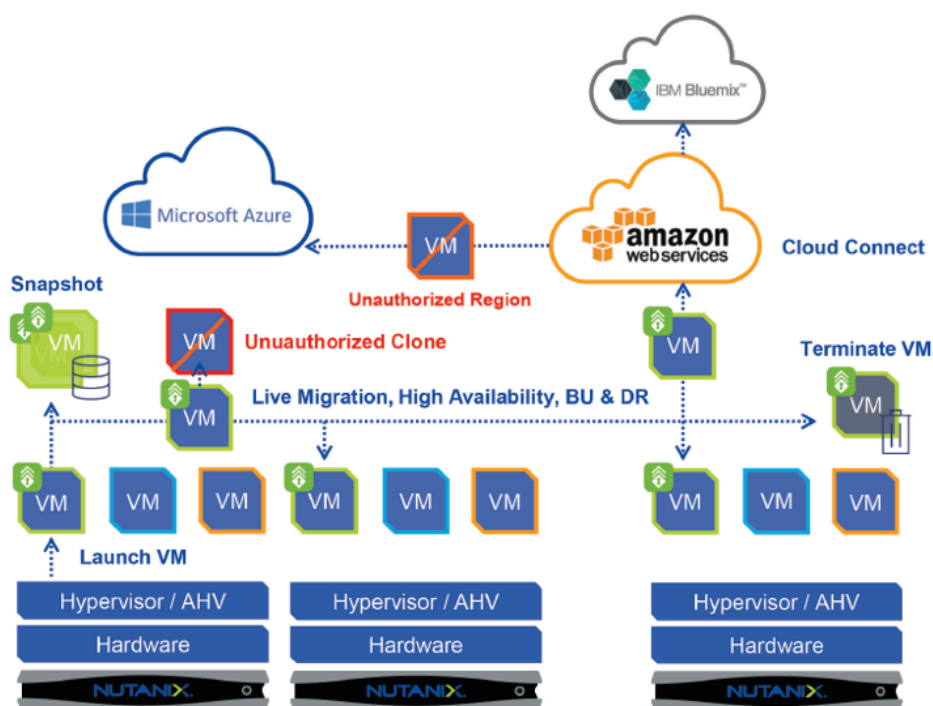- Microsoft Azure
- Microsoft HyperV

### Server Platforms:

- Server 2012 R2
- SQL 2014

### Client Platforms:

- Windows server 2008 R2, 2012, 2016
- Windows OS 7, 8, 8.1 and 10
- Ubuntu 14.04.3 and 16
- RHEL 7.2 and 7.3
- CentOS 7.2 and 7.3

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## Persistent VM Lifecycle Protection



## READY FOR A SECURE, COMPLIANT AND UNIFIED IT ENVIRONMENT?
Nutanix and WinMagic are committed to our customers' success. We offer a wide range of services around design, deployment, and optimization, as well as custom services tailored to customers' needs. To get started with unifying your data security efforts, email your Nutanix rep today.

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**READY**
• AHV •

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Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution with rich machine intelligence. The result is predictable performance, cloud-like infrastructure consumption, robust security, and seamless application mobility for a broad range of enterprise applications. Learn more at www.nutanix.com or follow us on Twitter @nutanix.