

Bitdefender®

Connecting the Clouds

Delivering Consistent Security for AWS-Based Hybrid Infrastructure
with Bitdefender GravityZone®

As a progressive IT leader, you are all about business enablement, service availability, and operational efficiency. You want your infrastructure and ops teams to focus on digital transformation and business-critical applications (rather than keeping the lights on in a datacenter full of disparate technology and vendor silos.) You envision an IT architecture that improves return on investment, facilitates agile service provisioning, and seamlessly scales as your needs grow. You demand the flexibility to use the most effective and economical application delivery option—whether it is private or public cloud. You aim to achieve the utmost infrastructure resilience against the growing concern of data breaches.

When it comes to securing your hybrid cloud infrastructure, however, would you tolerate a security solution that requires tedious manual effort to integrate with AWS and on-premises infrastructure and to deploy and operate? Would you be OK with using disparate security solutions for your on-premises and AWS instances? Would you settle for subpar efficacy in protecting your enterprise cloud? If not, consider Bitdefender GravityZone® Security for Virtualized Environments.

CONSISTENT POLICY ENFORCEMENT ACROSS PUBLIC AND PRIVATE CLOUD

Organizations require centralized security manageability and consistent policy enforcement across the hybrid cloud. Protecting on-premises and cloud-based virtual machines (VMs) with separate security consoles complicates security provisioning and policy administration, reduces visibility, and increases the risk of non-compliance. Industry-leading analyst firms emphasize that cloud workload protection platforms must support centralized visibility, control and single policy management of the hybrid infrastructure spanning from physical endpoints to private and public cloud workloads, all from under the same console.

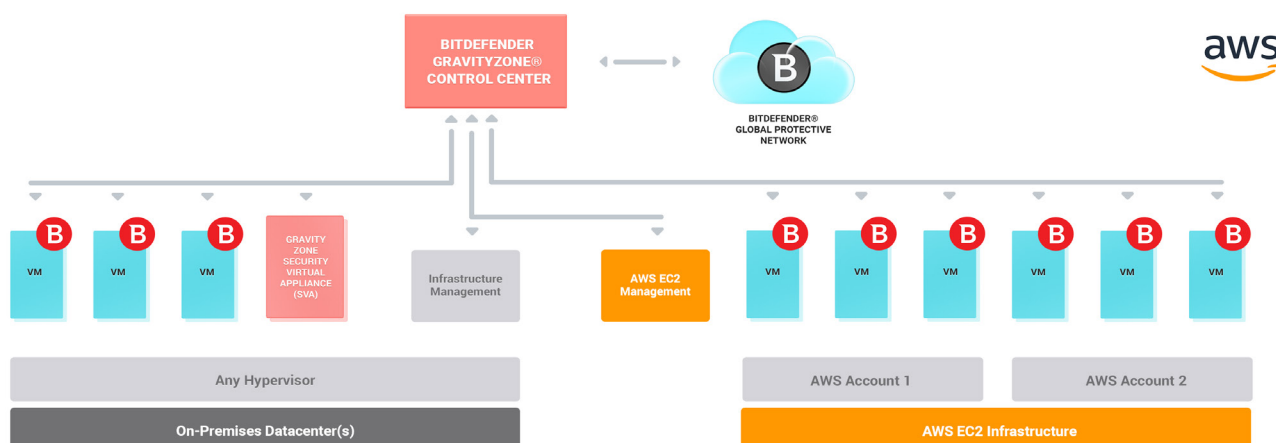
GravityZone provides a single point of management across your private infrastructure and AWS inventory. Leveraging instance tags in AWS allows automated application of consistent security policy, lowering security administration overhead and ensuring compliance with regulatory and organizational best practices.

AGILITY

GravityZone integrates with Amazon Web Services, via a quick and simple configuration wizard, to replicate your EC2 inventory in GravityZone. This integration supports the ability to apply fine-grained security policies automatically, and at scale, to protect your AWS footprint from the same GravityZone management console that you use to protect on-premises workloads.

Amazon Web Services Integration

AWS supplies GravityZone with real-time information on the operating environment, including metadata (administrator-defined tags), up-to-date inventory, and information on instance creation, termination and movement. This dramatically simplifies security deployment, configuration, and administration by enabling ubiquitous manageability, workflow automation, security-license reuse, and infrastructure-aware reporting.



Protection Across Multiple Amazon Web Services Accounts

The on-demand, near-instant nature of AWS allows groups within organizations to rapidly deliver solutions for business needs. This flexibility can lead an organization to keep multiple AWS accounts. GravityZone delivers consistent security policy enforcement, allowing organizations to normalize security with minimal disruption, across any number of AWS accounts.

REDUCED OPERATING EXPENSES

GravityZone Control Center delivers a common management layer across your hybrid environment, providing a single point of security management for the entire enterprise-cloud estate. The unified console adds single-pane-of-glass visibility and control to your datacenter security fabric, covering all virtual on-premises and cloud-based server-, VDI-, and DaaS workloads.

GravityZone also offers freedom of choice in supported technologies, maximizing the return on your existing infrastructure investments. Compatible with all leading hypervisor platforms (including VMware® ESXi, Microsoft® Hyper-V, Nutanix AHV, and Citrix® XenServer) and both Windows® and Linux® operating systems, GravityZone is an optimal security solution for heterogeneous virtualized environments that span private and public clouds.

SCALABILITY AND RESILIENCE

The architecture of GravityZone includes highly effective linear scaling. The web-scale architecture and the capacity to add a virtually unlimited number of security virtual appliances on demand gives GravityZone unique scalability to support carrier-grade deployments.

The modular, redundant design of the GravityZone platform (including multiple instances of database, communication, and web servers) ensures its intrinsic resilience. Further, automatic policy-based load distribution across SVAs eliminates single points of failure at the system level, ensuring uninterrupted security and high availability (configured and controlled from a single console).

TOP INFRASTRUCTURE PERFORMANCE AND UTILIZATION

GravityZone delivers higher consolidation ratios, lower boot latency, and accelerated application response. Engineered for virtualization and the cloud, GravityZone eliminates the need to use traditional bulky, resource-intensive security agents in each VM. By offloading scanning and threat intelligence data to a dedicated Security Virtual Appliance (SVA), it results in lighter CPU load and faster response times, and consequently improves virtualization density by up to 35% and reduces application latency by up to 17% compared to other solutions. This helps optimize infrastructure utilization and end-customer experience.

MAXIMUM PROTECTION

Security threats can lead to disruptions, regulatory non-compliance and theft of valuable data—resulting in a staggering cost of \$3.6 million per data breach on average (per Ponemon Institute's 2017 Cost of Data Breach Study). Built on a layered next-generation security architecture—encompassing application control, tunable machine learning, network sandboxing, and other techniques—GravityZone consistently demonstrates in independent tests its superior efficacy against advanced threats, both known and unknown.

Enhanced with integrated Patch Management, GravityZone boosts infrastructure resilience, providing automatic discovery and characterization of vulnerabilities and a wide range of patches for operating systems, third-party applications, and AMLs.



For more information and to request a free trial, please visit: www.bitdefender.com/sve
For sales inquiries, please call **(+1) 954 300 2674**

Bitdefender is a global security-technology company that provides cutting edge end-to-end cyber security solutions and advanced threat protection to 150 million users in more than 500 countries. Since 2001, Bitdefender has consistently produced award-winning business and consumer security technology, and is a provider of choice in both hybrid infrastructure security and endpoint protection.

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