Bitdefender®

Security for Virtualized Environments
On Amazon Web Services

Protects AWS customers with virtualization-centric security designed to generate immediate cost savings through minimal resource utilization in the cloud

Organizations today are moving workloads into the cloud at an ever increasing pace, to take advantage of the operational and cost efficiency it provides. Although cloud computing is broadly considered a secure technology, companies still need optimal protection against targeted malware attacks, which can jeopardize their sensitive data hosted in the cloud. To realize the full potential of cloud computing without sacrificing security, antivirus solutions should be optimized to have minimal impact on system performance.

Traditional endpoint solutions are often inefficient in virtualized or cloud-based environments. Anchored directly to physical hardware, legacy security tends to overuse computing resources, causing utilization bottlenecks or degradation of service. These issues hamper business productivity and reduce the cost savings gained with the transition to the cloud.

Security for Virtualized Environments (SVE) by Bitdefender addresses all these challenges with highly-scalable, innovative technology. Bitdefender's solution has been designed specifically for virtualized environments and meets the requirements of the most dynamic cloud infrastructures. Seamlessly Integrated with Amazon Web Services (AWS) for availability in the cloud, SVE protects virtualized Windows and Linux systems with a small agent footprint, generating immediate cost savings for Amazon users.

KEY BENEFITS

» Defends the virtualized environment with #1 ranked antimalware technology*
» Generates significant cost reductions through minimal resource utilization
» Provides patent-pending, high-performance security technologies
» Centralizes antimalware functionality on a dedicated AWS instance (AMI)
» Protects file systems, processes and memory on Windows and Linux
» Integrates with AWS APIs for seamless management
» Provides automatic deployment of Silent Agents on the instantiated AMIs
» Delivers the only hypervisor agnostic solution offering support for any virtualization technology
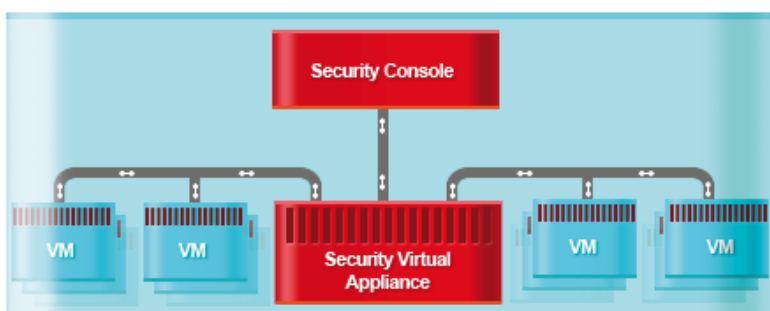
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New Security-as-a-Service for Amazon Web Services

Integrated with Amazon Elastic Compute Cloud (EC2) web service, Bitdefender technologies provide seamless protection to Amazon users across the globe, helping them to leverage the great potential of cloud computing, while remaining confident in the integrity of their shared resources. Bitdefender's solution minimizes resource utilization with a very small footprint Virtual Machine Silent Agent that offloads the antimalware scanning to a Security Virtual Appliance, which is either hosted by Bitdefender, or deployed as a dedicated AMI alongside with a dedicated Security Console AMI:

Security Console by Bitdefender is a central web interface used for deploying, configuring, monitoring, and reporting on the security status of datacenters and end-user systems. Built on Bitdefender Gravity Architecture, the intuitive Security Console simplifies the security rollout and management, acting as a hub for all Bitdefender security technologies. Due to tight integration with the AWS APIs, the Security Console also facilitates automatic deployment of the Bitdefender Silent Agent, a lightweight component which provides silent protection on all your Windows and Linux instances.

Security Virtual Appliance is a hardened Linux-based AMI, which centralizes and de-duplicates most of Bitdefender's antimalware functionality. When using traditional security solutions, much of the scanning and maintenance (updates, upgrades, RAM, IOPS, etc.) requirements of antimalware clients are duplicated with each virtual instance. Bitdefender addresses this challenge with patent pending technologies, which streamline scanning processes through a series of sophisticated cache mechanisms. With improved performance and minimal resource consumption, Bitdefender enables significant cost reductions, while keeping your cloud infrastructure highly secure and compliant.

Comprehensive security

Bitdefender addresses the needs of the most challenging and dynamic virtualized datacenters and cloud deployments with Security for Virtualized Environments. Recognizing the need to provide comprehensive security in the most demanding and heterogeneous physical, virtual and cloud deployments, Bitdefender's solution has been architected to include coverage of:

- » AWS, VMware, Citrix, Microsoft or any other system virtualization technology
- » Windows and Linux virtual instances
- » File event, process and memory scanning

Deployment Options

Security for Virtualized Environments by Bitdefender is delivered within a Security Virtual Appliance running on a hardened Linux Server and is managed by the web-based Bitdefender Security Console.

Available deployment options:

- » Software as a Service (SaaS):
  - » Virtual Machine Silent Agents
  - » Security Console and Security Virtual Appliances hosted by Bitdefender
- » Dedicated Amazon Machine Instances:
  - » Virtual Machine Silent Agents
  - » Security Console AMI
    - » Standard Small Instance
  - » Security Virtual Appliance AMI
    - » Medium Instance (max. 40 instances)
    - » High-CPU Medium Instance (max. 100 instances)
    - » High-CPU Extra Large Instance (max. 200 instances)

More information at bitdefender.com/amazon

About Amazon Web Services

Amazon Web Services (AWS) is a global provider of cloud infrastructure services. Today, Amazon Web Services provides a highly reliable, scalable, low-cost infrastructure platform in the cloud that powers hundreds of thousands of businesses in 190 countries around the world. With data center locations in the U.S., Europe, Singapore, and Japan, customers across all industries benefit from low cost, agility, instant elasticity and multi-layer security in the cloud.

About Bitdefender

Bitdefender is a global company that delivers security technology in more than 200 countries through a network of value-added alliances, distributors and reseller partners. Since 2001, Bitdefender has consistently produced award-winning security technology, for businesses and consumers, and is one of the top security providers in virtualization and cloud technologies. Through R&D, alliances and partnership teams, Bitdefender has created the highest standards of security excellence in both its number-one-ranked technology and its strategic alliances with some of the world's leading virtualization and cloud technology providers.

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