Bitdefender®
Security-as-a-Service on Amazon Web Services

Resource-effective security for immediate cost savings on Amazon EC2

Public cloud computing is one of today's hot technologies due to various operational benefits it provides for organizations of all sizes around the world. To achieve higher cost savings from outsourcing data in the cloud, companies must ensure they have proper security software in place. This is often challenging to accomplish due to the dynamic and multi-tenant nature inherent to every cloud environment.

Traditional antimalware is not designed to run in public cloud infrastructures and is therefore inefficient in areas of performance or management. These security solutions require a full agent deployed on each newly-created instance, which duplicates resources and increases the management overhead.

Security-as-a-Service for AWS by Bitdefender addresses these challenges with largely-scalable and optimized security designed specifically for cloud infrastructures. Integrated with Amazon EC2 web service for unified management, the solution protects file systems, processes and memory on any number of Windows and Linux virtual instances.

Bitdefender helps Amazon Web Services (AWS) customers lower infrastructure costs by providing resource-effective antimalware protection charged by the hour. Powered by patent-pending antimalware technologies, the solution provides significant performance improvements by offloading the scanning processes on dedicated hosted services.

KEY BENEFITS

» Cost-effective solution through minimal resource utilization

» Direct cost savings with pay-as-you-grow licensing

» Hosted scanning services for improved performance

» Lightweight security footprint due to high-optimization technologies

» Comprehensive protection, covering file systems, processes and memory

» Instant scalability through automatic deployment with AWS tags

» Reduced administrative effort with the integrated management console
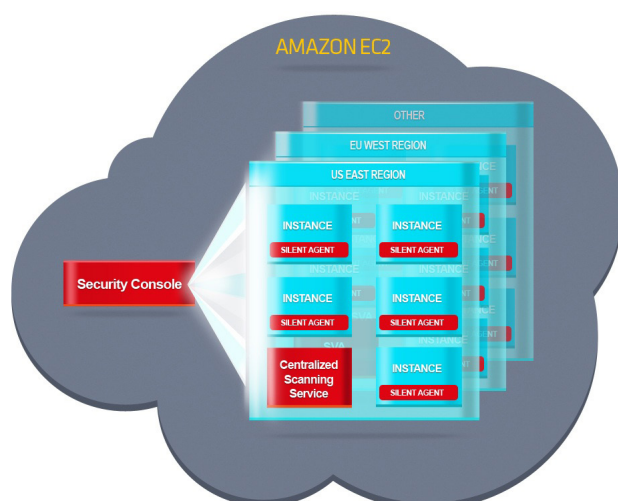
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Instantly-provisioned security for growing business needs

An essential benefit offered by the AWS cloud model is the ability to scale on demand or instantly-provision resources to accommodate business growth. Bitdefender complements such operational gains with highly automated security delivered as a service for AWS customers worldwide.

Purpose-built protection: Security-as-a-Service for AWS implements low-impact protection by centralizing the antimalware functionality on dedicated scanning services outside the protected instances. This approach ensures lightweight security footprint and better performance, while enabling users to provision more applications with the available resources. It also prevents utilization spikes occurring when security agents download updates intensively after a longer period of dormancy.

Integrated management: The protected instances are centrally managed from the intuitive Bitdefender Security console due to close integration with Amazon EC 2 API sets. It provides users with a unified view of the security state across all AWS regions, acting as a single point of control for configuring and reporting on the security activity within the cloud. To further streamline the administrative effort, the solution enables automatic deployment of the antimalware protection through AWS instance tagging.

Flexible licensing model: Bitdefender provides AWS users with the billing flexibility they are accustomed to by accommodating usage-based licensing. With this payment method, organizations no longer have to estimate their utilization peaks when buying security for their Amazon EC2 instances. They are charged monthly only for what they use. Combined with Amazon's Flexible Payment System (FPS), Bitdefender enables AWS customers to implement security how they want it, when they need it.

Comprehensive security on AWS

Security-as-a-Service for AWS provides comprehensive antimalware protection on Windows and Linux EC2 instances based on hourly utilization of service.

Unlike traditional endpoint security, Bitdefender frees up significant loads of resources in the cloud by hosting the scanning engines and signature databases outside the protected environment.

System Requirements

Guest Operating Systems

- Windows 2008 (32/64 bit) / Windows 2008 R2 (64 bit)
- Windows 2003 (32/64 bit) / Windows 2003 R2 (32/64 bit)
- Red Had Enterprise Linux / CentOS 6.2, 6.1, 5.7, 5.6
- Ubuntu 11.04, 10.04
- SUSE (SLES) 11
- OpenSUSE 12, 11
- Fedora 16, 15

Security Console Requirements

- Internet Explorer 8+
- Mozilla Firefox 4+
- Google Chrome
- Safari
- Opera

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.