# Bitdefender®
GravityZone

Enterprise security reinvented for optimized control of virtualized, physical, and mobile endpoints

Using security management tools that were designed for yesterday's environments forces IT to spend excessive time to maintain or workaround the very solutions that were intended to simplify things and put them in control. The disruptive power of virtualization, cloud computing, and BYOD compounds the problem of protecting a complex enterprise environment. This leads to the use of point solutions that must be maintained on top of the existing stack.

Managing complexity with smarter technology: Bitdefender GravityZone lets enterprises control and protect the heterogeneous environments of today. The solution combines highly optimized virtualization-aware security with leading detection technologies and a fresh, but proven, architecture. It empowers administrators with features adapted to reduce the daily security   hassle and eliminate the need for point solutions with unified protection across virtualized, physical, and mobile endpoints. Unlike other solutions that bolt-on modules to an aging architecture, the GravityZone Control Center dashboard has been designed specifically to unify monitoring and security management in a single simple and accessible interface.

How architecture makes the difference: The unique architecture of GravityZone allows the solution to scale with ease and secure any number of systems. The turn-key deployment is accomplished by simply importing a virtual appliance to run on any virtualization platform. Integration with Microsoft Active Directory, VMware vCenter, and Citrix XenServer reduces the effort of deploying protection for physical and for virtual endpoints. Organizations have the flexibility to deploy any or all of the three security services within GravityZone: Security for Virtualized Environments, Security for Endpoints, and Security for Mobile Devices. After the initial deployment, adding new services requires only a quick activation in the console.
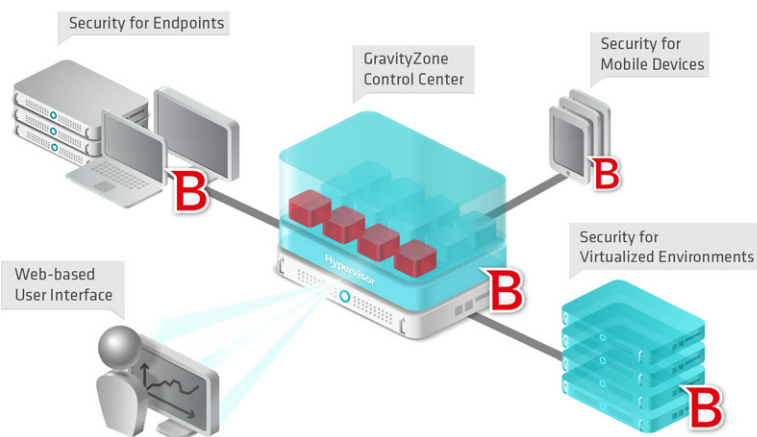
KEY FEATURES:

» Security architected from the ground up to reduce the hassles of managing complex environments

» Unified security control across virtualized, physical, and mobile endpoints

» Delivered as a virtual appliance for simple turn-key deployment

» Built in redundancy and scalability

» Security management integrated with Active Directory, VMware vCenter, and Citrix XenServer

GRAVITYZONE CONTROL CENTER PLATFORMS

GravityZone Control Center is delivered as a virtual appliance and is available in the following formats:

» OVA (compatible with VMware vSphere, View)

» XVA (compatible with Citrix XenServer, XenDesktop, VDI-in-a-Box)

» VHD (compatible with Microsoft Hyper-V)

Support for other formats and virtualization platforms may be provided on request.

Bitdefender®

Bitdefender®
Security for Endpoints

Security for Endpoints enables organizations to deploy award-winning protection for workstations, laptops, and servers using the highly scalable GravityZone security management solution that has been designed from the ground up to address the challenges of enterprise environments. GravityZone provides proven security for virtualization, physical endpoints, and mobile devices, and enables administrators to seamlessly control the security posture of their enterprise using a single console.

Simplifying endpoint security management: Organizations are defending against ever more diverse and sophisticated attacks, and the endpoint continues to be a crucial, last line of defense. However, with endpoint security considered a commodity, administrators are often forced to make-do with the same-old legacy solutions that, rather than providing control, end-up causing more headaches and work. Security for Endpoints provides industry acclaimed antimalware, 2-way firewall, antiphishing, as well as web filtering and user control managed from a fresh and intuitive console. GravityZone Control Center provides the granular policies and real-time detection data needed to be in control.

Leverage the enterprise wide advantages of GravityZone: Implementing GravityZone virtualization security is the ideal opportunity to roll-out improved endpoint protection and retire cumbersome legacy solutions. Built as part of GravityZone, the endpoint protection service needs to simply be activated to engage protection. After successfully deploying one service, there is little resistance and minimal effort involved in upgrading the endpoint security.

Detection technologies consistently ranked #1 in independent tests: Using signature-based engines but also the proprietary B-HAVE and AVC technologies, Bitdefender consistently ranks first in trials from AV-Test, AV-Comparatives and Virus Bulletin. B-HAVE employs heuristics in a virtual container (sandbox) to detect threats that get past signature detection while AVC overcomes even sophisticated detection avoidance techniques by monitoring processes for malicious activity as long as they are active.

KEY FEATURES:

» Centralized policy-based security management
» Same console as virtualization and mobile security
» Two-way firewall with intrusion detection
» Award-winning anti-malware protection
» Antiphishing
» User and web control

SUPPORTED OPERATING SYSTEMS

Security for Endpoints currently protects the following operating systems:

» Workstation operating systems: Windows 8, 7, Vista (SP1), XP (SP3)
» Tablet and embedded operating systems*: Windows Embedded Standard 7, POSReady 7, Enterprise 7, POSReady 2009, Standard 2009, XP Embedded with SP 2, XP Tablet PC Edition
» Server operating systems: Windows Server 2012, Windows Small Business Server (SBS) 2011, Windows Small Business Server (SBS) 2008, Windows Server 2008 R2, Windows Server 2008, Windows Small Business Server (SBS) 2003, Windows Server 2003 R2, Windows Server 2003 with Service Pack 1, Windows Home Server

*Specific operating system modules must be installed for Security for Endpoints to work.
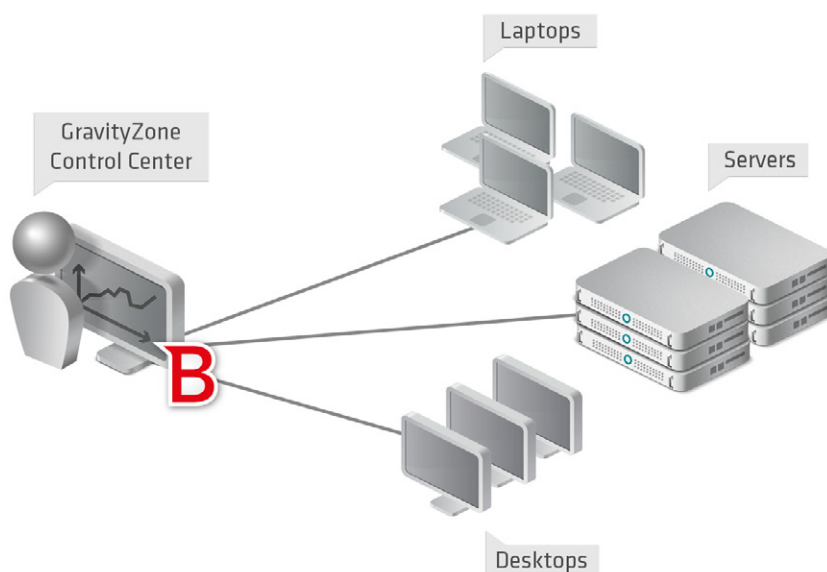
Bitdefender®
## Security for Virtualized Environments

For most organizations, securing their virtualized infrastructures has been a forced trade-off between security and performance. Traditional antimalware solutions are often counter-productive as they raise major challenges in areas of performance and administration.

Security for Virtualized Environments (SVE) addresses these issues with purpose-built antimalware designed to protect virtualized servers and desktops on Windows and Linux systems. Unlike any other antimalware solution, SVE is not bound to the underlying hypervisor: it has been architected to cover any virtualization platform. Bitdefender delivers a dedicated virtual appliance to perform regular antimalware activities outside the protected guests, which enables significant performance gains and helps administrators achieve higher consolidation ratios.

Improved application performance: SVE leverages the pooled nature of virtualization by saving critical memory and disk resources on each physical host. Patent-pending caching technologies incorporated in the solution ensure efficient utilization of resources and reduce the impact of security on application performance. As a result, SVE enables up to a 30% increase in server consolidation ratios when compared to traditional antimalware.

Simplified configuration and management: Tightly integrated with VMware vCenter and XenServer management centers for centralized administration, SVE provides significant operational benefits ranging from turnkey implementation to drill-down reporting and object-driven policy enforcement. This ensures complete visibility and control over the estate and eliminates common administrative pitfalls caused by legacy security in virtualized environments.

Cost efficiency: Powered by high-performance self-learning caching, SVE implements low-impact security, driving VM performance and a better user experience. Improved server density leads to lower operational expenditures associated with hardware, cooling, and storage. This brings tremendous value to any virtualization project, leading to improved ROI and enabling organizations to realize the full potential of their investment in virtualization.
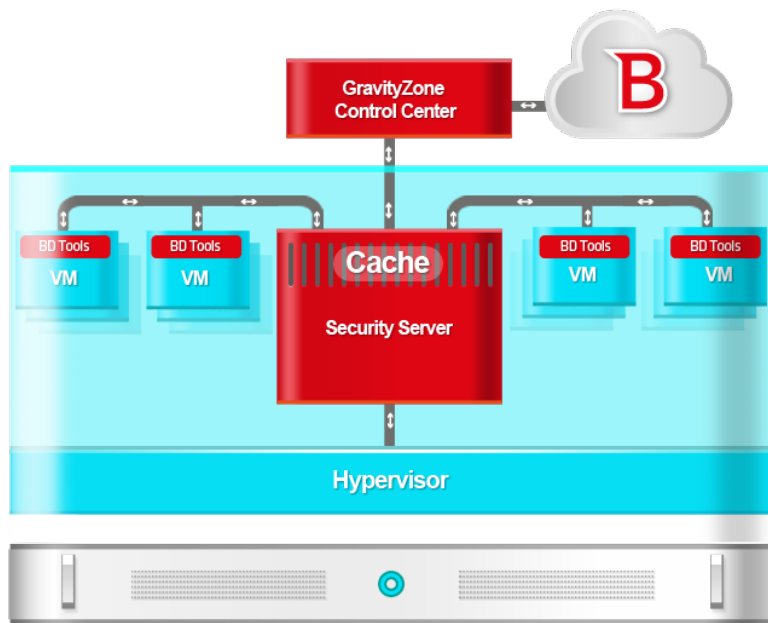
KEY FEATURES

» Agentless security via integration with VMware vShield Endpoint
» Integrated with VMware vCenter and Citrix XenServer management platforms
» Support for any virtualization platform: VMware, Citrix, Microsoft, Oracle, RHEV
» Protects file system, processes and memory on Windows and Linux
» Able to scan virtual machines that are not powered on (offline scanning)
» High availability through automatic load distribution of Bitdefender Tools

SUPPORTED VIRTUALIZATION PLATFORMS:

» VMware vSphere 5.1, 5.0 P1 or 4.1 P3 (incl. ESXi 4.1 P3, 5.0 P1), View 5.1, 5.0
» Citrix XenServer 6.0, 5.6, 5.5 (incl. Xen); XenDesktop 5.5, 5.0; VDI-in-a-Box 5.x
» Microsoft (Hyper-V) Server 2012, 2008 R2
» Oracle VM 3.0
» Red Hat Enterprise Virtualization 3.0 (incl. KVM)

SUPPORTED GUEST OS (32/64 BIT):

» Microsoft Windows 8, 7, Vista, XP (SP3),
» 2012, 2008 / R2, 2003 / R2
» Red Hat Enterprise Linux / CentOS 6.2, 6.1, 5.7, 5.6
» Ubuntu 11.04, 10.04
» SUSE 11
» OpenSUSE 12, 11
» Fedora 16, 15

Bitdefender®
Security for Mobile Devices

Mobile device security and control continues to be a growing challenge for enterprises. Increasing volumes of corporate data are accessed from devices, and this must be monitored and controlled. Whether company-issued or owned by the employee (BYOD), portable devices containing confidential data represent a potential risk if left unmanaged or improperly secured. While typical Mobile Device Management solutions may provide the device management capabilities in a mobile infrastructure, they fall short in areas of security and compliance.

Security for Mobile Devices introduces a holistic mobile security approach that helps organizations maintain compliance while minimizing IT interventions and effort. Combining straightforward administrative toolkits with industry-proven mobile security, this GravityZone module provides administrators with the tools to extend security policies to iOS and Android devices, and protect the devices against unauthorized usage, riskware, or loss of confidential data.

Gaining full visibility and control: Integration with Active Directory brings considerable benefits from a management standpoint, helping to reduce administration time and workload associated with the enrollment and assignment of mobile devices to GravityZone. This broadens the security perimeter and allows administrators to associate devices with Active Directory users, and apply group-policies with actions to be taken on non-compliant devices. For example, Bitdefender will detect rooted or jailbroken devices and block their access to company resources, adding an essential layer of security to prevent data exposure, especially in the cases of lost or stolen devices.

Ease of management: Policy enforcement is made extremely easy with ready-to-use features like screen lock, authentication control, device location, and remote lock-unlock/ wipe. On Android devices, the security level is enhanced with real-time scanning and removable media encryption. Administration is simplified with installation kits and updates delivered via Apple and Android markets, and easy device enrollment by QR code scan. Additionally, administrators can save valuable time spent on initial setup by applying pre-configured Wi-Fi and VPN network settings remotely via profiles.

KEY FEATURES

» Enforce device screen lock and authentication
» Prevent usage of lost devices by remote locking
» Block data loss with remote location, wipe, or lock
» Real-time scanning and media encryption for Android
» Integrated management with MS Active Directory

SUPPORTED PLATFORMS

Security for Mobile Devices supports the following types of mobile devices and operating systems:

» Apple iPhones and iPad tablets (iOS 5+)
» Google Android smartphones and tablets (2.2+)
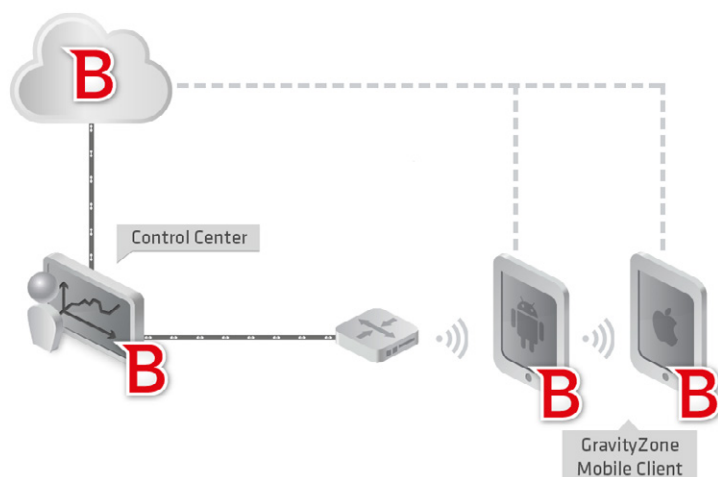
About Bitdefender

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.