Protecting over
500 million
users worldwide

Bitdefender®

GravityZone Business Security is designed to protect organizations, from small to medium, covering any number of file servers, desktops, or laptops, physical or virtual machines. Business Security is based on a layered next-gen endpoint protection platform with the industry's best prevention, detection and blocking capabilities, using proven machine learning techniques, behavioral analysis and continuous monitoring of running processes.

Key Features

Machine Learning Anti-Malware
Machine learning techniques use well-trained machine models and algorithms to predict and block advanced attacks. Bitdefender's machine learning models use 40,000 static and dynamic features and are continuously trained on billions of clean and malicious file samples gathered from over 500 million endpoints globally. This dramatically improves the effectiveness of malware detection and minimizes false positives.

Ransomware Protection
The solution is trained based on 1 trillion samples from over 500 million endpoints worldwide. Regardless of how much the malware or ransomware is modified, Bitdefender can accurately detect new ransomware patterns, in both pre-execution and run-time mode.

Process Inspector
Process Inspector operates in zero-trust mode, continuously monitoring all processes running in the operating system. It hunts for suspicious activities or anomalous process behavior, such as attempts to disguise the type of process, execute code in another process's space (hijack process memory for privilege escalation), replicate, drop files, hide from process enumeration applications and more. It takes appropriate remediation actions, including process termination and undoing changes the process made. It is highly effective in detecting unknown advanced malware, including ransomware.

Anti-Phishing and Web Security Filtering
Web Security filtering enables real-time scanning of incoming web traffic, including SSL, http and https traffic, to prevent the download of malware to the endpoint. Anti-phishing protection automatically blocks phishing and fraudulent web pages.

Endpoint Risk Analytics
The risk analytics engine continuously computes a risk score to easily sort and prioritize assets, which makes it easy for the admin to address the most urgent issues.

Advanced Anti-Exploit
Exploit prevention technology protects the memory and vulnerable applications such as browsers, document readers, media files and runtime (ie. Flash, Java). Advanced mechanisms watch memory access routines to detect and block exploit techniques such as API caller verification, stack pivot, return-oriented-programming (ROP) and others. GravityZone's technology is equipped to tackle advanced, evasive exploits that targeted attacks rely on to penetrate an infrastructure.

Network Attack Defense
Get a new level of protection against attackers seeking to access the system by exploiting network vulnerabilities. It helps extending protected areas, now with network based security that blocks threats like Brute Force attacks, Password Stealers, Network Exploits, lateral movements before they can execute.

Automate Threat Remediation and Response
Once a threat is detected, GravityZone BS instantly neutralizes it through actions including process terminations, quarantine, removal and rollback of malicious changes. It shares threat information in real time with GPN, Bitdefender's cloud-based threat intelligence service, to prevent similar attacks worldwide.

Largest Security Intelligence Cloud
With over 500 million machines protected, the Bitdefender Global Protective Network performs 11 billion queries per day and uses machine learning and event correlation to detect threats without slowing down users.

Response and containment
GravityZone offers the best clean-up technology on the market. It automatically blocks/contains threats, kills malicious processes and roll backs changes.

Key Benefits

Boost Operational Efficiency with Single Agent and Integrated Console

Bitdefender's single, integrated endpoint security agent eliminates agent fatigue. The modular design offers maximum flexibility and lets administrators set security policies. GravityZone automatically customizes the installation package and minimizes the agent footprint. Architected from the ground up for post-virtualization and post-cloud security architectures, GravityZone provides a unified security management platform to protect physical, virtualized and cloud environments.

- Implement a powerful but simple solution and eliminate the need for dedicated servers, maintenance or more IT staff
- Start faster with provided security policy templates
- Centralized management, single pane of glass
- Reduced costs and centralized security for any number of users
- With centralized management, employees never have to update, monitor or troubleshoot security again, and can focus 100% on the business.
- Simple remote deployment
- Granular reports - Granular policy settings are available for advanced admins, but those without an IT background will also find the solution simple to manage
- Updates are automatic and users can't interfere with settings or deactivate protection, so your business is protected
- Apply policies based on location or user and allow different levels of freedom; save time when creating new policies by using ones that are already created.

FORRESTER **MITRE | ATT&CK** **Gartner** Gartner peer insights region — customers' choice 2021 **GLOBEE AWARDS**

A partnership born from a passion for high performance and technological innovation

Bitdefender starts multi-year partnership with Scuderia Ferrari.

GravityZone Business Security Premium

GravityZone Business Security Premium (formerly known as GravityZone Elite) safeguards your organization from sophisticated cyber attacks like Advanced Persistent Threats (APTs) and ransomware with more than 30 layers of machine-learning-driven security technologies. Easy to manage from a single console, the solution covers physical, virtual, mobile and cloud-based endpoints and email.

GravityZone Business Security Premium adds the human element into your security ecosystem, has low overhead and provides the visibility and control you need.

*Business Security Premium has all the features of Business Security and additionally contains:

Key Features

Hyper Detect
Bitdefender HyperDetect is an additional layer of security specifically designed to detect advanced attacks and suspicious activities in the pre-execution stage.

HyperDetect contains machine learning models and stealth attack detection technology against threats such as: zero-day attacks, advanced persistent threats (APT), obfuscated malware, fileless attacks (misuse of PowerShell, Windows Management Instrumentation etc.), credential stealing, targeted attacks, custom malware, script-based attacks, exploits, hacking tools, suspicious network traffic, potentially unwanted applications (PUA), ransomware.

Sandbox Analyzer
Bitdefender Sandbox Analyzer provides a powerful layer of protection against advanced threats by performing automatic, in-depth analysis of suspicious files which are not signed by Bitdefender antimalware engines yet. The sandbox employs an extensive set of Bitdefender technologies to execute payloads in a contained virtual environment hosted by Bitdefender, analyze their behavior and report any subtle system changes that is indicative of malicious intent.

Sandbox Analyzer automatically submits suspicious files residing on the managed endpoints, yet hidden to signature-based antimalware services. Dedicated heuristics embedded in the Antimalware on-access module from Bitdefender Endpoint Security Tools trigger the submission process.

Additionally, Sandbox Analyzer allows you to manually submit samples directly from Control Center, letting you decide what to do further with them.

Key Benefits

Unmatched attack prevention which regularly ranks at the top in independent tests

- Reduced attack surface with Integrated Risk Analytics constantly scanning endpoints for misconfiguration, application vulnerabilities and risky human behavior.

- Enhanced visibility and control with attack forensics and visualization evealing the broader context of attacks on endpoint. It lets you zero in on specific threats and take corrective action.

- Single agent-single console for all capabilities including firewall, application control, content control and GravityZone add-ons (patch management, full disk encryption, security for email)

GravityZone Business Security Enterprise

GravityZone Business Security Enterprise (formerly known as GravityZone Ultra) combines the world's most effective endpoint protection platform with Endpoint Detection and Response (EDR) capabilities to help you defend endpoint infrastructure (workstations, servers, and containers) throughout the threat lifecycle, with high efficacy and efficiency.

The cross-endpoint event correlation takes threat detection and visibility to a new level combining the granularity and rich security context of EDR with the infrastructure-wide analytics of XDR (eXtended Detection and Response).

*Business Security Enterprise has all the features of Business Security Premium and additionally contains:

Key Features

Endpoint Detection Response (EDR)
Endpoint Detection and Response (EDR) is an event correlation component, capable of identifying advanced threats or in-progress attacks. As part of our comprehensive and integrated Endpoint Protection Platform, EDR brings together device intelligence across your enterprise network. This solution comes in aid of your incident response teams' effort to investigate and respond to advanced threats.

The Extended Detection and Response (XDR)
The extended Detection and Response (XDR) is a cross-company event correlation component, capable of detecting advanced attacks across multiple endpoints in hybrid infrastructures (workstations, servers or containers, running various OS). As part of our comprehensive and integrated Environment Protection Platform, XDR brings together device intelligence across your enterprise network. This solution comes in aid of your incident response teams' effort to investigate and respond to advanced threats.

Key Benefits

Agility
SVE enables security automation across the datacenter lifecycle at rollout as well as during day-to-day security operations of a highly dynamic virtual environment. It integrates with VMware (vCenter, vShield, NSX), Citrix XenCenter and the Nutanix Enterprise Cloud Platform and enables fast automated provisioning.

Operational Efficiency
The unified GravityZone Control Center management console simplifies security deployment, maintenance and upgrades, providing centralized visibility into all virtual and physical servers and workstations. It supports centralized creation and automatic administration of security policies to help streamline IT operations while improving compliance.

Improved infrastructure Utilization
Centralized scanning and a small footprint agent greatly reduce the use of memory, disk space, CPU and I/O activity on host servers, increasing VM density and ROI on IT infrastructure.

B

Key Benefits

Universal Compatibility

Compatible with all leading hypervisor platforms (VMware ESXi, Microsoft Hyper-V, Citrix Xen, Red Hat KVM, and Nutanix AHV) and both Windows and Linux as guest OSs.

Unlimited Linear Scalability

Multiple SVAs can be used to increase scanning capacity as the Datacenter grows and more VMs are created. As an existing SVA reaches a certain load threshold, new ones can be deployed to accommodate growth. An additional benefit of deploying multiple SVAs is improved resilience and load sharing: the load from a failed/overloaded SVA can be taken over by another active or less loaded SVA.

Layered Next-gen Defenses

GravityZone Security for Virtualized Environments incorporates all key security layers of Endpoint Security ncluding HyperDetect, Sandbox Analyzer and fileless attacks detection methods to provide leading protection for enterprise digital assets stored or processed in the datacenter.

Bitdefender achieved excellent success in both the AV-Comparatives' Enterprise and Consumer Main-Test Series of 2022, winning them the Product of the Year Award. The tests covered different protection scenarios, system performance, and false positives.

GravityZone Control Center

GravityZone Control Center is an integrated and centralised management console that provides a single-pane-of-glass view of all security management components, including endpoint security, datacenter security, security for Exchange and mobile device security. It can be cloud-hosted or deployed locally. GravityZone management center incorporates multiple roles and contains the database server, communication server, update server and web console.

The Control Center is delivered as one virtual appliance image and can be deployed in under 30 minutes.For larger enterprises, it can be configured to use multiple virtual appliances with multiple instances of specific roles with built-in load balancer for scalability and high availability.

GravityZone Email Security [Add-On]
GravityZone Email Security provides businesses comprehensive email security and protection from known and emerging threats, including impersonation attacks, Business Email Compromise (BEC), CEO fraud, phishing, ransomware and more.

Full Disk Encryption [Add-On]
This protection layer allows you to provide full disk encryption on endpoints, by managing BitLocker on Windows, and FileVault and diskutil on macOS. You can encrypt and decrypt boot and non-boot volumes, with just a few clicks, while GravityZone handles the entire process, with minimal intervention from the users. Additionally, GravityZone stores the recovery keys needed to unlock volumes when the users forget their passwords.

Patch Management [Add-On]
Fully integrated in GravityZone, Patch Management keeps operating systems and software applications up to date and provides a comprehensive view on the patch status for your managed Windows and Linux endpoints.

GravityZone Security for Storage [Add-On]
GravityZone Security for Storage delivers real-time protection for leading file-sharing and network-storage systems. System and threat-detection algorithm upgrades happen automatically - without requiring any efforts from you or creating disruptions for end-users.

Security for AWS [Add-On]
Built for virtualisation, offers flexible pricing, and scales to your size and needs for optimal return on investment

Bitdefender

Bitdefender Business Cyber Solutions Chart

	Bitdefender GravityZone **Business Security** *Ideal for small businesses looking for simple security*	Bitdefender GravityZone **Business Security Premium** *Recommended to companies looking for aggressive protection against sophisticated threats*	Bitdefender GravityZone **Business Security Enterprise** *Recommended to companies looking for an integrated next-gen endpoint protection and EDR platform that accurately protects against sophisticated cyber threats*	Bitdefender GravityZone **A la carte** *Flexible solution for larger organizations with datacenters using virtualization*	Bitdefender GravityZone **Cloud Security for MSPs** *Solution for Managed Service Providers to remotely protect all customers with one console, monthly usage-based billing and RMM/PSA integrations*
Management Options	On Premise / Cloud	On Premise / Cloud	On Premise / Cloud	On Premise Only	Cloud Only
EDR			✓		Add on
Infrastructure					
Endpoint Security	Endpoint Security SD	Endpoint Security HD	Endpoint Security XDR	Endpoint Security SD	Endpoint Security SD
Datacenter Security (SVE)		✓	✓	✓	✓
Mobile Security / MDM		Available on premise only	Available on premise only	Available on premise only	
Email Security	Add on cloud only	Add on cloud only	Add on cloud only	Add on (security for exchange)	Add on

Technologies	Definitions	Business Security	Business Security Premium	Business Security Enterprise	A la carte	Cloud Security for MSPs
Machine learning AV	Bitdefender's patented machine-learning technology uses well-trained algorithms - some of them specialized in specific forms of attacks and others more generic, to predict, detect and block zero-day threats.	✓	✓	✓	✓	✓
Advanced Anti-exploit	Powered by machine learning, this proactive technology stops zero-day attacks carried out through evasive exploits. Advanced Anti-Exploit catches the latest exploits in real-time and mitigates memory corruption vulnerabilities that can evade existing solutions.	✓	✓	✓	✓	✓
Application Control (Whitelisting)	*Whitelisting - explicitly allowing some identified entities access to a particular privilege, service, mobility, access or recognition. It is the reverse of blacklisting.*		Available on premise only	Available on premise only	✓	
HyperDetect (Tuneable Machine Learning)	HyperDetect contains machine learning models and stealth attack detection technology. It is an additional layer of security specifically designed to detect advanced attacks and suspicious activities in the pre-execution stage.		✓	✓	Add on	Add on
Endpoint Risk Analytics (ERA)	The Endpoint Risk Analytics (ERA) module helps you identify and remediate a large number of network and operating system risks at the endpoint level. ... Afterwards, you can assess your endpoint security risk status from the Risk Management dashboard in the GravityZone console	Available on cloud only	Available on cloud only	Available on cloud only		✓
Network Attack Defense	Endpoint network security layer designed to detect and prevent attack attempts which are making use of network vulnerabilities - blocks several network stream-based attacks such as Brute Force, Password Stealers or Lateral Movement before they can even execute.	✓	✓	✓	✓	✓
Anomaly Detection	Baselines system resources to spotlight unusual behavior based on MITRE threat techniques and Bitdefender's own research			✓	✓	Add on
Endpoint Integrated Sandbox	Provides pre-execution detection of advance attacks by automatically sending fi les that require further analysis to cloud or on-prem sandbox and taking remediation action based on the verdict.		✓	✓	Add on	Add on
Visibility of suspicious activities (HD)			✓	✓	Add on	Add on
Process Inspector	On-execution layer that greatly increases detection rate of evasive or new malware, including file-less attacks, by enabling monitoring of a process for its entire lifetime, and relying on actual behavior characteristics instead of signatures or binary or code fingerprints.	✓	✓	✓	✓	✓

Bitdefender Business Cyber Solutions Chart

	Bitdefender GravityZone **Business Security**	Bitdefender GravityZone **Business Security Premium**	Bitdefender GravityZone **Business Security Enterprise**	Bitdefender GravityZone **A la carte**	Bitdefender GravityZone **Cloud Security for MSPs**
	Ideal for small businesses looking for simple security	*Recommended to companies looking for aggressive protection against sophisticated threats*	*Recommended to companies looking for an integrated next-gen endpoint protection and EDR platform that accurately protects against sophisticated cyber threats*	*Flexible solution for larger organizations with datacenters using virtualization*	*Solution for Managed Service Providers to remotely protect all customers with one console, monthly usage-based billing and RMM/PSA integrations*
Management Options	On Premise / Cloud	On Premise / Cloud	On Premise / Cloud	On Premise Only	Cloud Only
EDR			✓		Add on

Technologies	Definitions					
Clean up	Automatic clean-up tasks, file quarantine, and system rollback features ensure remediation actions are quick and thorough	✓	✓	✓	✓	✓
Smart Centralized Scanning (Ability to offload scanning to central dedicated appliance)	Ability to offload scanning to central dedicated appliance to reduce system load – specially designed for virtual environments to achieve industry-leading performance and consolidation across all virtual endpoints.		✓	✓	✓	Add on
Patch Management	GravityZone Patch Management module supports both automatic and manual patching for OS and third-party applications, across all workstations and servers, both physical and virtual. This is all done in the same GravityZone console that customers use today, providing ease of management and consolidation of consoles and licensing.	Add on	Add on	Add on	Add on	Add on
Full Disk Encryption	Bitdefender Full Disk Encryption Management is leveraging the encryption mechanisms provided by Windows (BitLocker) and Mac (FileVault), taking advantage of the native device encryption, to ensure compatibility and performance. There will be no additional agent to deploy and no key management server to install.	Add on	Add on	Add on	Add on	Add on
Security for AWS (protection for AWS machines managed from the same cloud console)	Bitdefender Security for AWS is a security solution designed for the Amazon cloud infrastructure and integrated with the GravityZone Cloud Console. Bitdefender Security for AWS is built for virtualization, offers flexible pricing, and scales to your size and needs for optimal return on investment.	Add on	Add on	Add on		Add on
Licensing		Bundle	Bundle	Bundle	A la carte	A la carte
Data center licensing (Dedicated CPU licensing for virtual servers)					✓	
Details		Covers servers and desktops. Servers should account for less than 30% of total units	Covers desktops, servers and mobiles + Exchange mailboxes. Servers should account for less than 35% of total units.	Covers desktops, servers and Exchange mailboxes. Servers should account for less than 35% of total units.	Each item can be purchased separately and can be activated based on its own license key.	No license key needed per customer, pay at the end of each month, based on usage reports.

Bitdefender is a cybersecurity leader delivering best-in-class threat prevention, detection, and response solutions worldwide.

Bitdefender provides cybersecurity solutions with leading security efficacy, performance and ease of use to small and medium businesses, mid-market enterprises and consumers. Guided by a vision to be the world's most trusted cybersecurity solutions provider, Bitdefender is committed to defending organizations and individuals around the globe against cyberattacks to transform and improve their digital experience.

BITSHIELD DATA DEFENSE SDN. BHD

About Us

Bitshield Data Defense Sdn.Bhd, is a **cyber security technologies, products, solutions and service provider**, with exclusive partnerships with award winning global companies at the top of their field. The journey started in 2013 under the name "South East Asia Distributions" as the exclusive Country Partner for Bitdefender in Malaysia and Brunei. In 2019 the business expanded as more global partnerships were created and a new business entity was formed as "Bitshield Data Defense Sdn. Bhd." ending the SEAD operations and merging the business into the new formation.
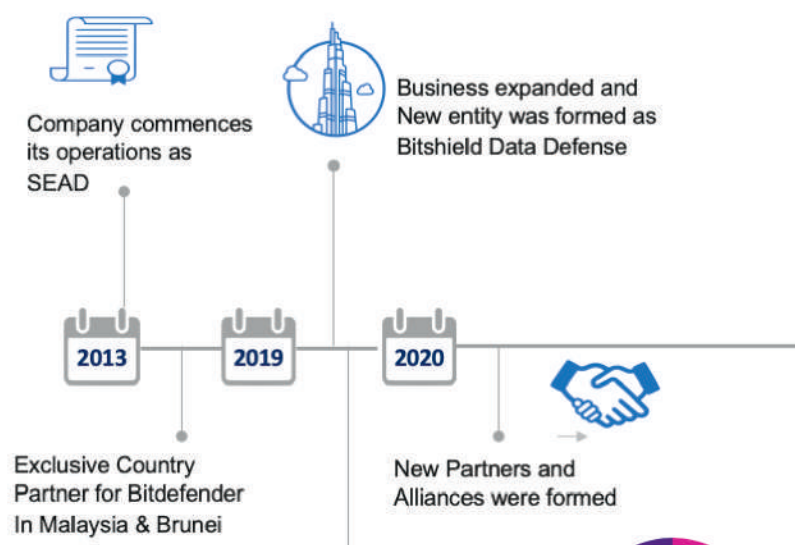
The areas that we work in include:

- **End point Security**
- **Access management**
- **Insider threat management**
- **Email Security**
- **Specialised cybersecurity Trainings and awareness trainings**
- **Data Destruction**

- **GRC compliance, consultancy and certifications**
- **Digital Forensics**
- **Attack Surface Management**
- **Digital risk protection**
- **IT Service Management Software and Solutions**
- **VAPT**

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Company commences its operations as SEAD

Business expanded and New entity was formed as Bitshield Data Defense

2013   **2019**   **2020**

Exclusive Country Partner for Bitdefender In Malaysia & Brunei

New Partners and Alliances were formed

BitShield
Data Defense Sdn Bhd

Bitdefender®