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Bitdefender®

**Bitdefender Endpoint
Security Tools**

RELEASE NOTES

Bitdefender Endpoint Security Tools Release Notes

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1. INTRODUCTION

The GravityZone business solution introduces **Bitdefender Endpoint Security Tools**, an intelligent environment-aware security agent for physical and virtual endpoints.

Compared to the previous Bitdefender security agents, this agent brings a series of improvements and new features that takes endpoint security to a new level.

This document covers what is new, resolved issues for each Bitdefender Endpoint Security Tools release. The document also includes the known issues and limitations of the product. Under the Known Issues section you can inspect the list of reported yet unresolved issues. This list is updated periodically and we kindly recommend you consult it before submitting any issues to our Support Team.



Note

Bitdefender Endpoint Security Tools release notes include also the changes related to Microsoft Exchange Servers protection, a feature that may not be available for your Bitdefender GravityZone security pack.

2. BITDEFENDER ENDPOINT SECURITY TOOLS FOR WINDOWS VERSION 7

2.1. Version History

2.1.1. Version 7.5.1.172

Release date:

Fast ring: 2022.03.29

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This update applies to Windows workstations on fast ring.

Resolved Issues

Advanced Anti-Exploit

- Advanced Anti-Exploit was blocking the installation of CAB files.

Patch Management

- Patch Management was skipping patch downloading when additional actions were required. For example, accepting EULA terms.
- The module was causing high CPU usage on the Relay machine when the Patch Caching Server could not download patches requested by a large number of endpoints.

Policies

- Fixed an issue that was causing the assignment rules to be applied incorrectly.
- Certain hosts would have the default policy as active, instead of the custom one which had been assigned to them.

Product

- Update Server was failing to tunnel HTTPS connections when another proxy was set up in the user's OS.

- `Eprotectedservice.exe` would not run after upgrading from Windows 7 to Windows 10.
- In some circumstances, the endpoints could not communicate with the Control Center.
- Minor translation change related to German GUI label.
- Fixed an issue that was causing `analysecrash.exe` to crash.
- In some cases, GravityZone did not display the correct MAC address.
- `Vlflt.sys` was causing the exchange server to crash.
- Too many DNS requests were being generated when verifying IP addresses.

2.1.2. Version 7.4.4.159

Release date:

Fast ring: 2022.02.16

Slow ring: 2022.03.07

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New features and Improvements

eXtended Detection and Response (XEDR)

- Added support for the new Active Directory sensor that can be configured to collect and process user login information.

2.1.3. Version 7.4.3.146

Release date:

Fast ring: 2022.01.27

Slow ring: 2022.02.02

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New features and Improvements

Full Disk Encryption

- The **Full Disk Encryption** configuration window now uses an enhanced font color providing more visibility and easier focus to users.

Resolved Issues

Endpoint Detection and Response (EDR)

- The **Bitdefender Endpoint Protected Service** caused high CPU usage on a few Windows Server 2012 systems with the **Endpoint Detection and Response** module enabled.
- Fixed an issue that prevented the GravityZone console from receiving **EDR** incidents from endpoints communicating through Relay.
- The **EDR** incidents submission failed when endpoints did not have a DNS server configured.

Ransomware Mitigation

- In a corner case scenario, the **Ransomware Mitigation** module caused false positive detections.

Endpoint Risk Analytics (ERA)

- Vulnerable applications could not be patched using the **Patch App** button from the **App Vulnerabilities** section, even though the **Patch Management** module was licensed and properly configured.

Product


- In some cases, endpoints failed to communicate with the GravityZone console when using an IPv6 to IPv4 VPN tunneling.
- In a particular situation, Microsoft Hyper-V Server 2016 machines were incorrectly displayed in the GravityZone console as Linux systems.
- Security fixes.

2.1.4. Version 7.4.2.142

Release date:

Fast ring: 2022.01.04

Slow ring: 2022.01.05

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product


- In some situations, the Support Tool feature used for troubleshooting collected and removed directories located at the same destination path as the saved logs. The issue was encountered only when running the tool locally using command line or the executable file.
- Product installation remained in pending in a ConnectWise Automate environment integrated with GravityZone.

2.1.5. Version 7.4.2.130

Release date:

Fast ring: 2021.12.15

Slow ring: 2021.12.16

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product


- Endpoints communication with GravityZone console via proxy failed after updating to product version 7.4.1.111.

2.1.6. Version 7.4.1.111 (EFX)

Release date:

Fast ring: 2021.12.09

Slow ring: 2021.12.09

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- In some cases, the Bitdefender services failed to work properly after updating to the latest product version.

2.1.7. Version 7.4.1.111

Release date:

Fast ring: 2021.12.02

Slow ring: 2021.12.08

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version replaces 7.2.x and 7.3.x versions in the market.

New Features and Improvements

Antimalware

- Added support for Windows Antimalware Scan Interface (AMSI) scanning.

Note

AMSI scanning is available with the Fileless Attack Protection feature in GravityZone Elite and GravityZone Ultra Security products.

- The Ransomware Mitigation remote detection messages now include threat name.

eXtended Detection and Response (XEDR)

- Added support for the **Investigation Package** functionality.

Patch Management

- Added support for new features:
 - Extended scheduling capabilities
 - Exclusions from vendors and products list

User interface

- The product has now a modern look that matches the GravityZone console interface.

Resolved Issues

Advanced Threat Control

- The Advanced Threat Control module caused Microsoft Outlook to stop functioning when opening the application or answering an email.

Installation

- Microsoft Monitoring Agent is no longer included in the competitor removal list, thus preventing possible errors during installation.

2.1.8. Version 7.3.100.48

Release date:

Fast ring: 2021.12.02

Slow ring: 2021.12.08



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Product

- This version enables migration of current 7.3.x installations to Bitdefender Endpoint Security Tools 7.4.1.111.

2.1.9. Version 7.2.2.101

Release date:

Fast ring: 2021.11.15

Slow ring: 2021.11.16



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- Security fixes.

2.1.10. Version 7.3.2.45

Release date:

Fast ring: 2021.11.15
Slow ring: 2021.11.16

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- Security fixes.

2.1.11. Version 7.3.2.44

Release date:

Fast ring: 2021.10.21
Slow ring: 2021.10.25

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 7.3.1.42 released on fast ring.

New Features and Improvements

Product

- Bitdefender Endpoint Security Tools is now available in a new interface. The new design focuses on improved readability and includes a modern color scheme to emphasize events and overall information. The security agent functionality remains unchanged.

- Added support for the new features delivered with the upcoming release of GravityZone.
- New features and improvements from version [7.3.1.42](#) on fast ring.

Resolved Issues

Product

- In some cases, the security agent caused high RAM memory usage on Windows 10 systems with version 7.2.2.92. The issue is now fixed.

2.1.12. Version 7.3.1.42

Release date:

Fast ring: 2021.10.18

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Antimalware

- Added support for the new **Resume scan after product update** option available in GravityZone console. With this feature enabled, the endpoint automatically resumes on-demand scan tasks if interrupted by product updates.

Network Protection

- The security agent now supports SSL scanning for RDP protocol.

2.1.13. Version 7.3.0.24

Release date:

Fast ring: 2021.09.24

Slow ring: 2021.10.04



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 7.3.0.22 released on fast ring.

Resolved Issues

Product

- Security fixes.
- Resolved issues from version [7.3.0.22](#) on fast ring.

2.1.14. Version 7.2.2.92

Release date:

Fast ring: 2021.09.22
Slow ring: 2021.09.27



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- Security fixes.

2.1.15. Version 7.3.0.22

Release date:

Fast ring: 2021.09.15
Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- Starting with this update, existing installations are migrated to the latest product version 7.3.x that includes technology replacements. The rollout will be performed progressively on fast ring and then slow ring.

2.1.16. Version 7.2.2.90

Release date:

Fast ring: 2021.09.07

Slow ring: 2021.09.08

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 7.2.2.87 released on fast ring.

Resolved Issues

Product

- In some cases, the agent installation failed on endpoints with Windows Defender enabled. The issue is now fixed.
- Resolved issues from versions [7.2.2.87](#) on fast ring.

2.1.17. Version 7.2.2.87

Release date:

Fast ring: 2021.08.31

Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- In a particular scenario, the communication with the GravityZone Control Center failed after performing a **Reconfigure Client** task on endpoints with version 7.2.2.84 or 7.2.2.86 released on fast ring.

2.1.18. Version 7.2.2.86

Release date:

Fast ring: 2021.08.25
Slow ring: 2021.08.25

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools versions 7.2.2.85 and 7.2.2.84, released on fast ring.

New Features and Improvements

Advanced Threat Control

- Improved the security content mechanism for **Advanced Threat Control**.

Resolved Issues

- Resolved issues from versions [7.2.2.85](#) and [7.2.2.84](#) on fast ring.

2.1.19. Version 7.2.2.85

Release date:

Fast ring: 2021.08.23
Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- The **Endpoint Security Console** service crashed after installing the security agent on a different partition on Windows Server 2012.

2.1.20. Version 7.2.2.84

Release date:

Fast ring: 2021.08.17
Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Content Control

- The **Content Control** module led to a slowdown when downloading files from the network share.

Product

- Addressed a specific scenario where the product caused critical errors (BSOD). The issue is now fixed.
- The **Endpoint Security Console** service randomly created a certain file on endpoints.
- Fixed an incorrect Korean translation displayed in the local interface.

2.1.21. Version 7.2.1.73

Release date:

Fast ring: 2021.07.27

Slow ring: 2021.07.28



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product


- The **Endpoint Security Service** generated high RAM usage when the endpoint received new policy settings.

2.1.22. Version 7.2.1.72

Release date:

Fast ring: 2021.07.19

Slow ring: 2021.07.19

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 7.2.1.70, released on fast ring.

New Features and Improvements

- New features and improvements from version [7.2.1.70](#) on fast ring.

Resolved Issues

Endpoint Detection and Response(EDR)


- The EDR module generated invalid incidents for quarantined items.

2.1.23. Version 7.2.1.70

Release date:

Fast ring: 2021.07.15

Slow ring: -

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Advanced Threat Control


- **Advanced Threat Control** has now multiple detection heuristics for the recently disclosed "Print Nightmare" vulnerability.

2.1.24. Version 7.2.1.69

Release date:

Fast ring: 2021.07.02

Slow ring: 2021.07.02

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Product

- Addressed a specific scenario where the product caused critical errors (BSOD) after updating to version 7.2.1.65 released on slow ring.

2.1.25. Version 7.2.1.65

Release date:

Fast ring: 2021.06.30

Slow ring: 2021.07.01



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools versions 7.2.1.62 and 7.2.1.60 released on fast ring.

New Features and Improvements

- New features and improvements from version [7.2.1.60](#) on fast ring.

Resolved Issues

Advanced Threat Control

- In some cases, the **Advanced Threat Control** module caused critical errors (BSOD).

Product

- Security fixes.
- Resolved issues from versions [7.2.1.62](#) and [7.2.1.60](#) on fast ring.

2.1.26. Version 7.2.1.62

Release date:

Fast ring: 2021.06.28

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Advanced Threat Control

- Fixed SCOM issues caused by an interaction between the Advanced Threat Control module and WMI.

2.1.27. Version 7.2.1.60

Release date:

Fast ring: 2021.06.23

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Control Center

- Added support for the new features.
- We have revamped our built-in exclusions feature by offering GravityZone Administrators the possibility of choosing from several exclusions categories pertaining to different product vendors.

The following categories will be supported by the endpoint:

- Citrix
- Microsoft Exchange Server (including all Exchange versions)
- Microsoft Sharepoint
- Microsoft SQL Server (including all SQL Server versions + SQL Server Common)
- Microsoft Windows (all versions)
- Microsoft Operations Manager (including all versions of Operations Manager)
- Microsoft Data Protection Manager

- Microsoft Team Foundation Server
- Microsoft Hyper-V
- Microsoft System Center Configuration Manager
- Microsoft System Center Operations Manager
- VMware

Resolved Issues

General

- In certain scenarios, after logging in to a machine, a BEST pop-up window appeared displaying a series of uncanny words.

Patch Management

- Scanning for missing patches could have led in the past to inaccurate results when updates required system reboot.

Graphic User Interface

- Fixed an issue where the Custom Scan Options could not be reconfigured.

Content Control

- The **Content Control** module caused a slowdown in the file download speed for a copy/paste action in network shares.
- **Content Control** incorrectly blocked an application with a process name similar to another blacklisted application.
- The **Content Control** module allowed access to an online radio stream on a Windows 10 virtual machine, even if the page appeared to be blocked from the User Control rules.

2.1.28. Version 7.1.2.33

Release date:

Fast ring: 2021.05.25

Slow ring: 2021.06.02



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Product

- Bitdefender Endpoint Security Tools is now available in Turkish language.

Resolved Issues

Product

- The **Content Control** module did not display a proper **Back** action button in the **Power User** graphic user interface.

Application Control

- Some applications could be opened at login time even if **Application Control** was configured to block them.

Advanced Threat Control

- Enabling the **Ransomware Mitigation** feature determined a system slowdown when trying to save Excel files on a file server.

Exchange Protection

- When only having the TLS 1.2 protocol activated, restoring quarantined emails generated error code 1001.

Volume encryption

- In certain scenarios, the **Volume Encryption** module maintained the Bitlocker feature suspended.

Firewall

- A memory leak from the **Firewall** module generated a RAM usage increase.

General


- In a corner case, changing the scanning engines from **Central Scan** to **Local Scan** through the **Reconfigure Client** task was successful but in GravityZone the value remains the same.

2.1.29. Version 7.1.1.28

Release date:

Fast ring: 2021.05.18

Slow ring: 2021.05.19

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

EDR


- An Endpoint Detection and Response (EDR) event caused product crashes on version 7.1.1.20.

2.1.30. Version 7.1.1.20

Release date:

Fast ring: 2021.04.20

Slow ring: 2021.05.11

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Product

 **Note**

Granted the considerable dimension of this upgrade, in anticipation of any questions that you may have, we've developed an extensive [Q&A](#) section.

- Starting from April, all endpoint protection agents deployed worldwide will receive a new Event Correlation engine. This change will act as a new foundation for enhancing Endpoint Risk Analytics (included in all Bitdefender cloud managed products) and for Endpoint Detection and Response solutions (EDR/XDR). This update will be silent, with no action required from your side (no agent reconfiguration required). The global rollout will take place in phases over up to 8 weeks.
- Security agent installation after successfully removing other Bitdefender products no longer requires a Windows reboot.

Resolved Issues

Content Control



- The product blocked a website with an untrusted certificate, while not providing the Accept Risks and proceed option.
- The Content Control module failed to block some apps that didn't match the allowed rules.

3. BITDEFENDER ENDPOINT SECURITY TOOLS FOR WINDOWS VERSION 6

3.1. Version History

3.1.1. Version 6.6.100.397

Release date:

Fast ring: 2021.06.03
Slow ring: 2021.06.03



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New features and Improvements

- This version makes the transition towards Bitdefender Endpoint Security Tools version 7 for existing installations. This update will be silent, with no disruptions and no actions required on your side.

3.1.2. Version 6.6.27.390

Release date:

Fast ring: 2021.05.27
Slow ring: 2021.06.02



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Product

- Added support for Windows 10 May 2021 Update (21H1).

Resolved Issues

Volume encryption

- In certain scenarios, the **Volume Encryption** module maintained the Bitlocker feature suspended.

3.1.3. Version 6.6.26.382

Release date:

Fast ring: 2021.04.28

Slow ring: 2021.05.06

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Advanced Anti-Exploit

- Improved the **Advanced Anti-Exploit** module to detect a new type of exploit.

3.1.4. Version 6.6.26.376

3.1.4. Version 6.6.26.376

Release date:

Fast ring: 2021.04.19

Slow ring: 2021.04.21

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.26.363, released on fast ring.

Relay

- **BEST Windows Relay** now supports updating the Security Server based on Ubuntu 20.04.
- New features and improvements from version [6.6.26.373](#) on fast ring.

Resolved Issues

- Resolved issues from version [6.6.26.373](#) on fast ring.

3.1.5. Version 6.6.26.373

Release date:

Fast ring: 2021.04.14

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Network Protection

- Added support for the **Network Attack Defense** module on Windows Server. This functionality is designed to detect and prevent RDP protocol authentication brute force attacks. This new feature works by scanning incoming connections only on the RDP ports to identify authentication anomalies.

Resolved Issues

Product

- Fixed an issue where **Product** update and **Security Content** update remained in a continuous "Updating" state.
- In a certain instance, the product blocked a website with an untrusted certificate, while not providing the "Accept Risks and proceed" option.
- In a certain scenario, due to a missing cleanup mechanism, continuous crash dumps of the **Product** piled up and used almost all available disk space on endpoints, eventually leading the system to crash as well.

Content Control

- In a certain scenario, a previously whitelisted website through Security Content whitelist could not be blocked via **Web Traffic Scan** rules.

Firewall

- Fixed an issue where after connecting to a wireless network, the user received the "connection to a wireless network has been established" notification even when the **Firewall** module was turned off.

3.1.6. Version 6.6.25.362

Release date:

Fast ring: 2021.03.24

Slow ring: 2021.03.29



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools versions 6.6.25.353 and 6.6.25.359, released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.25.353](#) on fast ring.

Resolved Issues

Product

- Fixed an incompatibility with Cisco Advanced Malware Protection (AMP) for Endpoints that caused crashes of File Explorer processes and overall performance issues on Windows 7 machines.

Antimalware

- Fixed an issue with the **On-Access Scanning** feature, where users without administrative rights could restore a quarantined file. These users are now prompted to enter their username and password when using the **Restore** button.
- Resolved issues from versions [6.6.25.353](#) and [6.6.25.359](#) on fast ring.

3.1.7. Version 6.6.25.359

Release date:

Fast ring: 2021.03.18

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Firewall

- The **Firewall** driver generated a memory leak in EPSecurityService on Windows machines.

User Interface

- The graphical user interface displayed that three features part of the **Content Control** module (**Application Blacklisting**, **Web Access Control** and **Data Protection**) were turned off after logging off or rebooting.

3.1.8. Version 6.6.25.353

Release date:

Fast ring: 2021.03.15

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Product

- Specific error messages will be displayed when Product fails to update due to missing critical Windows patches.

Advanced Anti-Exploit

- The **Advanced Anti-Exploit** (AAE) technology is now available for Windows Servers. The module will be installed on and removed from servers via the new **Install** and **Reconfigure** task. The Advanced Anti-Exploit module is deployed, configured and managed via GravityZone using the same management workflows on servers as available for workstations.

Incompatible Software Removal

- Added support for removing the following security products:

- TrustPort Total Protection 17.x
- Driver Support One 2.x
- Avast Business Security 20.x
- VIPRE Antivirus 11.x
- Sophos Endpoint Agent 2.x (Tamper Protection must be turned off)
- Endpoint Protector Client 5.x
- Enhanced Support For removing the following security products:
 - McAfee Total Protection 16.x

Resolved Issues

Product

- In some instances, the product blocked websites with untrusted certificates, while not providing the "Accept risks and continue" option.

Content Control

- The **Content Control** module failed to report the web category of a blocked website, in the **Blocked Websites** report.

Firewall

- The **Events** timeline from the local interface displayed wrong messages for incoming and outgoing connections.
- Fixed an issue where blockPortScans remained active even when the **Firewall** module was enabled.
- Fixed an issue where traffic was received from an unknown profile.

3.1.9. Version 6.6.24.337

Release date:

Fast ring: 2021.02.10

Slow ring: 2021.02.17



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

Firewall

- Added improvements to the **Firewall** feature on Windows 10 OS. Upon installation, BEST no longer deactivates Windows Firewall, leaving control to Windows Security Center..

3.1.10. Version 6.6.23.329

Release date:

Fast ring: 2021.01.12

Slow ring: 2021.01.18

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

EDR

- Added improvements to **EDR** exclusions performance in accordance with specific use-cases.

3.1.11. Version 6.6.23.325

Release date:

Fast ring: 2020.12.15

Slow ring: 2020.12.16

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.23.323, released on fast ring.

New Features and Improvements

Antimalware

- Improved the exclusions mechanism to match a corner-case scenario.

- New features and improvements from version [6.6.23.323](#) on fast ring.

Resolved Issues

- Resolved issues from version [6.6.23.323](#) on fast ring.

3.1.12. Version 6.6.23.323

Release date:

Fast ring: 2020.12.09

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

General

- Product Console update flow improvements.

Resolved Issues

General

- The security agent installation caused a slowdown when using a specific network application.
- In a particular scenario, the product caused crashes on Windows Server 2019.

Content Control

- In some cases, a product component (HttpProxy.dat-wal) consumed a large amount of disk space.

Antimalware

- Fixed an issue that allowed underprivileged users to view exclusions lists after an **On-demand scan**.

HyperDetect

- The HyperDetect module received an **EDR** incident, although a threat name exception rule had been set up.

Device Control

- Fixed an issue where **Device Control** prevented the connection of a USB drive to a Veeam backup server.

3.1.13. Version 6.6.22.315

Release date:

Fast ring: 2020.11.26

Slow ring: 2020.11.26

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved issues

General

- In a corner case scenario, an issue prevented the product to be installed and displayed the protection modules as expired on Windows Server 2016.
- Addressed a scenario where several endpoints failed to report to the GravityZone Control Center after a **Repair** task was initiated.

EDR

- Fixed an issue that prevented **Bitdefender EDR** from generating raw events and incidents in the **Incidents** page unless a prior restart was performed.

3.1.14. Version 6.6.22.311

Release date:

Fast ring: 2020.11.11

Slow ring: 2020.11.17

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

General

- Added support for upcoming features available with the next GravityZone release.

Antimalware

- Users can now be notified of blocked ransomware attacks discovered by the **Ransomware Mitigation** technology. The notification is available in the **Event Log** of the local interface and includes details like the action taken and the origin of the attack.

Sandbox Analyzer

- Traffic is now encrypted only by using the secure protocols TLS 1.2. For more information on the implementation of TLS 1.2, please refer to [this KB](#).

Resolved Issues

General

- Fixed an issue that caused several modules to be disabled or removed, even after reinstalling the product or reapplying the policy.
- In a certain scenario, the **Sandbox Analyzer** policy settings were ignored after service startup.
- The product failed to apply the policy settings in order to disable all the modules from the **Network Protection** section.

Antimalware

- In certain conditions, using process exclusions with wildcards resulted in performance issues.
- The endpoint improperly reported data to the GravityZone console leading to inaccurate information in the **On-Demand Scanning** report.

Firewall

- The **Firewall** module prevented several endpoints from gaining internet access after connecting to a hotspot generated by a Windows 10.
- The **Firewall** module reverted the settings for a mobile adapter from **Public** to **Trusted**.

Network Protection

- In certain situations, enabling **SSL Scan** stopped loading several secure websites.
- In a corner case, the product failed to scan traffic when the machine had an active L2TP VPN connection.

- The **SSL Scan** option prevented access to a certain website when enabled.

3.1.15. Version 6.6.21.304

Release date:

Fast ring: 2020.10.14

Slow ring: 2020.10.14

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Generic

- The security agent did not install on Windows systems, after the latest Windows update containing [KB4580347](#) or [KB4579311](#). The signature verification process caused compatibility issues between the product and the operating system.

3.1.16. Version 6.6.21.302

Release date:

Fast ring: 2020.09.24

Slow ring: 2020.09.24

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.21.301, released on fast ring.

New Features and Improvements

Incompatible software removal

- Added support for removing the following security products:
 - AVG Business 20.x
 - Chili Security for PC 24.x
 - Cortex XDR 7.x (the Anti-Tampering option must be disabled)

- Advanced Threat Prevention 2.x
- Enhanced support for removing the following security products:
 - Sophos Endpoint Security and Control 10.x
- New features and improvements from version [6.6.21.301](#) on fast ring

Resolved Issues

Patch Management

- In certain conditions, the **Patch Management** module failed to download patches properly.

Full Disk Encryption

- In certain conditions, the **Full Disk Encryption** module prevented the upgrade to Windows 10, version 2004.
- Resolved issues from version [6.6.21.301](#) on fast ring.

3.1.17. Version 6.6.21.301

Release date:

Fast ring: 2020.09.21

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

General

- Added support for upcoming features available with the next GravityZone release.

Advanced Threat Control

- Enhanced visibility for **Advanced Threat Control** events by providing the threat name locally in the **Event log**.

Resolved Issues

Endpoint Detection and Response (EDR)

- Fixed an issue that caused the GravityZone console to display status **Unknown** for **Security Analytics** in the computer details.

Antimalware

- The security agent caused a server to become unresponsive when **VMware Serial Port Redirection** was enabled along with the **On-Access Boot Sectors** scan option.

Exchange Protection

- The security agent improperly restored emails with identical subjects from quarantine.

General

- In some situations, opening the Full scan log resulted in a display error for **Firefox** users and a blank page for **Chrome** users.
- In a certain scenario, a physical machine was detected as a virtual machine and could not be licensed.

3.1.18. Version 6.6.20.294

Release date:

Fast ring: 2020.09.10

Slow ring: 2020.09.11



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Relay

- Addressed a vulnerability discovered recently.

3.1.19. Version 6.6.20.293

Release date:

Fast ring: 2020.08.25

Slow ring: 2020.08.25



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Endpoint Risk Analytics (ERA)

- Fixed an issue that was affecting the risk scan tasks.

3.1.20. Version 6.6.20.289

Release date:

Fast ring: 2020.08.19

Slow ring: 2020.08.19



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Endpoint Detection and Response (EDR)

- In a certain scenario, the security agent generated a large volume of occurrences for the same event, after updating to version 6.6.20.287. The behavior was linked to a previous fix related to **Unknown** status. Therefore, we rolled back the fix in order to prevent this situation.

Known Issues

Endpoint Detection and Response (EDR)

- Following the rollback, users may receive the **Unknown** status for **Security Analytics** in the computer details section of the GravityZone console.

3.1.21. Version 6.6.20.287

Release date:

Fast ring: 2020.08.12

Slow ring: 2020.08.12



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Endpoint Detection and Response (EDR)

- Fixed an issue that caused the GravityZone console to display status **Unknown** for **Security Analytics** in the computer details.

Relay

- The product failed to report the correct version available on the Relay after updating to version 6.6.19.273 or later.

Device Control

- Fixed an incompatibility between Device Control and Citrix PVS 6.1 causing BSOD.

3.1.22. Version 6.6.20.284

Release date:

Fast ring: 2020.07.17

Slow ring: 2020.07.21



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.20.282, released on fast ring.

Resolved Issues

Ransomware Mitigation

- In a particular scenario, the Ransomware Mitigation module caused backup issues on a shared partition.
- Resolved issues from version [6.6.20.282](#) on fast ring.

3.1.23. Version 6.6.20.282

Release date:

Fast ring: 2020.07.14

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

Generic

- The product caused critical errors (BSOD) on Windows Server 2008 R2 after updating to version 6.6.19.274.
- The Patch Management module name was incorrectly displayed in the user interface.

Advanced Threat Control

- In some situations, the Advanced Threat Control module caused critical errors (BSOD) when the security level was set to **Aggressive**.

Antimalware

- The Antimalware custom exclusions failed to work properly when using an extended-length path prefix.

3.1.24. Version 6.6.19.274

Release date:

Fast ring: 2020.06.29

Slow ring: 2020.06.30



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.19.273 released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.19.273](#) on fast ring.

Resolved Issues

Relay

- The Relay failed to report the product update versions available for endpoints, after updating to version 6.6.19.273.
- Resolved issues from version 6.6.19.273 on fast ring.

3.1.25. Version 6.6.19.273

Release date:

Fast ring: 2020.06.23

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for upcoming features available with the next GravityZone release.
- Bitdefender Endpoint Security Tools is now available in Korean language.

Resolved Issues

Remote deployment

- The security agent failed to remove Symantec Endpoint Protection Cloud solution on remote deployment. To be successful, the deployment requires an active session for a user with administrative privileges.

Advanced Anti-Exploit

- In some cases, the Advanced Anti-Exploit module caused Microsoft Office applications to crash due to products incompatibility.

Antimalware

- A deadlock in the product caused the Antimalware module to appear as disabled on Windows 10 systems, even though it was running.

Firewall

- In a certain situation, the Firewall Rules failed to apply on the endpoints. The issue was caused by extra spaces added when defining the rule, behavior that is now automatically corrected.

Generic

- The endpoint submitted multiple events to GravityZone console, which led to high memory consumption.
- In some cases, the endpoint failed to communicate with GravityZone console if the communication via Relay had issues.

3.1.26. Version 6.6.18.265

Release date:

Fast ring: 2020.06.03

Slow ring: 2020.06.03

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- New features and improvements from version [6.6.18.261](#) on fast ring.

Resolved Issues

- The security agent failed to detect certain machines joined to Amazon Web Services (AWS) which prevented GravityZone from licensing them.
- Resolved issues from version [6.6.18.261](#) on fast ring.

3.1.27. Version 6.6.18.261

Release date:

Fast ring: 2020.05.25

Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Enhanced visibility when collecting logs using GravityZone remote troubleshooting. The new monitoring mechanism displays on the endpoints the troubleshooting sessions in progress along with their statuses.
- Added support for Windows 10 May 2020 Update (20H1).

Resolved Issues

- The Advanced Anti-Exploit module prevented Adobe Acrobat Reader to function in protected mode.
- In some situations, the Device Control module generated multiple notifications related to Volume Shadow Copy.
- The security agent installation failed when the endpoint was scanned before deployment on a few Windows systems.
- The Endpoint Security Service caused high CPU usage on Windows 10 and Windows Server 2012 systems.
- Certain websites failed to load when the Scan SSL option was enabled on endpoints.
- In some cases, the assignment rules failed to apply.

3.1.28. Version 6.6.17.249

Release date:

Fast ring: 2020.04.13

Slow ring: 2020.04.14



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.17.247 released on fast ring.

Resolved Issues

- Certain websites failed to load when the Scan SSL option was enabled on endpoints with product version 6.6.17.243.

- The Antimalware module detected the file shortcut even if the file or folder was excluded.
- Resolved issues from version [6.6.17.247](#) on fast ring.

3.1.29. Version 6.6.17.247

Release date:

Fast ring: 2020.04.08

Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- The Network Protection module prevented a certain website from loading when Scan SSL option was enabled.
- In a certain corner case, endpoints submitted files to Bitdefender even if the option was disabled in the GravityZone console.
- The Relay communication with endpoints failed with error 1004.
- Local filters did not function properly after updating to version 6.6.17.243.

3.1.30. Version 6.6.17.243

Release date:

Fast ring: 2020.03.31

Slow ring: 2020.03.31

Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools versions 6.6.17.241 and 6.6.17.242 released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.17.241](#) on fast ring.

Resolved Issues

- Fixed an issue that affected the product versions 6.6.17.241 and 6.6.17.242.
- Resolved issues from versions [6.6.17.241](#) and [6.6.17.242](#) on fast ring.

Removed Features

- Removed features from version [6.6.17.241](#) on fast ring.

3.1.31. Version 6.6.17.242

Release date:

Fast ring: 2020.03.30

Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- Addressed a scenario that was causing product crashes on version 6.6.17.241.

3.1.32. Version 6.6.17.241

Release date:

Fast ring: 2020.03.24

Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for upcoming features available with the next GravityZone release.
- Added remaining time until automatic reboot occurs in the Patch Management notification.
- The Power User interface is now available in Czech language.

- Improved the encryption mechanism to avoid specific interferences with Windows Update system.

Resolved Issues

- Device Control failed to block USB memory stick on Windows Server 2019 Standard VDI.
- Microsoft Exchange On-Demand scans failed with error code 1001.
- Addressed a product vulnerability related to legacy Bitdefender tools.
- The Power User module failed to save the local policy when adding exclusions for multiple extension files.

Removed Features

- Removed support for scanning Mapped Network drives when On-Demand Device Scanning is used.

3.1.33. Version 6.6.16.226

Release date:

Fast ring: 2020.02.25
Slow ring: 2020.03.02



Important

- During this update, the Microsoft Exchange Transport service will be stopped.


Resolved Issues

- The product shortcuts previously removed were recreated in the **Start** menu after endpoint restart.

3.1.34. Version 6.6.16.222

Release date:

Fast ring: 2020.02.11
Slow ring: 2020.02.19

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.


New Features and Improvements

- Implemented a mechanism that facilitates the migration process to new Bitdefender technologies, without requiring a product update.

3.1.35. Version 6.6.16.218

Release date:

Fast ring: 2020.02.06
Slow ring: 2020.02.06

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.


Resolved Issues

- In some cases, the security agent failed to remove other security solutions already installed.

3.1.36. Version 6.6.16.216

Release date:

Fast ring: 2020.01.20
Slow ring: 2020.01.28

 **Important**

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.16.209, released on fast ring.

New Features and Improvements

- Added support for removing the following security products:
 - AVG Business 19.x

- AVG Internet Security 19.x
- Fujitsu Internet Security 16.x
- Kaspersky Internet Security 20.x
- Enhanced support for removing the following security products:
 - Kaspersky Security for Windows Servers 10.x
 - Kaspersky Internet Security 19.x
 - Panda Endpoint Protection 8.x
 - Trend Micro Office Scan Client 10.x

Resolved Issues

- The Advanced Threat Control module caused application crashes in certain conditions.
- Resolved issues from version [6.6.16.209](#) on fast ring.

3.1.37. Version 6.6.16.209

Release date:

Fast ring: 2020.01.16

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- The product reported logs for Endpoint Risk Analytics (ERA) in GravityZone On-Premises, although this module is available only with GravityZone Cloud.
- The product could not take actions on infected .pst archives during the scan.
- Recovery keys unmanaged by GravityZone are now removed at installation time.
- In some cases, installation failed at 25% due to an issue with device drivers.
- The **Reconfigure Client** task failed when performing it with the same modules selected as the existing ones on the endpoint.

3.1.38. Version 6.6.15.207

Release date:

Fast ring: 2019.12.02
Slow ring: 2019.12.09



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for the newest **Indicators of Risk**.
- Added support for the **Antimalware** notification triggered during the scan, each time a malware event is detected.

Resolved Issues

- The Web Rules applied for the **Banks** category did not function properly.
- The product caused critical errors (BSOD) on Windows 10 endpoints having Credential Guard installed, when updating from version 6.6.10.148 to 6.6.13.183.
- The Endpoint Correlation service remained installed on endpoint after updating from an older version to the latest one.

3.1.39. Version 6.6.14.204

Release date:

Fast ring: 2019.11.06
Slow ring: 2019.11.14



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.14.199, released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.14.199](#) on fast ring.

Resolved Issues

- The EDR module caused Windows Server 2016 to become unresponsive.
- The Content Control module led to improper functioning of Safe Exam Browser.
- Resolved issues from version [6.6.14.199](#) on fast ring.

3.1.40. Version 6.6.14.199

Release date:

Fast ring: 2019.11.01

Slow ring: -



Important

- This version of Bitdefender Endpoint Security Tools applies to Windows 7 and Windows 10.
- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Enhanced detection mechanism on Windows 10 systems.

Resolved Issues

- Crash when starting Internet Explorer on Windows 7 systems without the Microsoft stack update KB4516655 installed.

3.1.41. Version 6.6.14.198

Release date:

Fast ring: 2019.10.28

Slow ring: 2019.10.29



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.14.194, released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.14.194](#) on fast ring.

Resolved Issues

- In certain conditions, the Bitdefender Endpoint Security Service crashed on endpoints with 6.6.14.194 product version.
- Resolved issues from version [6.6.14.194](#) on fast ring.

3.1.42. Version 6.6.14.194

Release date:

Fast ring: 2019.10.23

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for Windows Server 2019 Core.
- Added support for upcoming features available with the next GravityZone release.

Resolved Issues

- Bitdefender Endpoint Security Service led to high CPU usage on Windows 10 Home edition.
- The Content Control module interfered with Oracle internal application due to product incompatibility.
- The Content Control module blocked the Alterdata application.
- In some cases, the Content Control caused critical errors (BSOD) when Masterinstaller application by Crestron was used.
- The product caused critical errors (BSOD) on Windows 10 endpoints having Credential Guard installed, when updating from 6.6.10.148 to 6.6.13.183 version.

- The EDR Sensor prevented saving documents on redirected desktops, located on a file server. The issue affected Windows 7 and Windows 10 systems.
- Other minor changes and bug fixes.

3.1.43. Version 6.6.13.183

Release date:

Fast ring: 2019.09.26

Slow ring: 2019.10.03



Important

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools versions 6.6.13.175 and 6.6.13.180 released on fast ring.

New Features and Improvements

- Added support for uninstalling the following incompatible software:
 - Panda Endpoint Protection 8.x
 - Kaspersky Suite de Sécurité Orange 19.x
- Enhanced support for uninstalling the following incompatible software:
 - Nifty Jouji Anshin Security24 19.x
 - Trend Micro Worry-Free Business Security Agent 6.x
 - Webroot SecureAnywhere 9.x

Resolved Issues

- After software update the Device Control module was removed on endpoints with product versions lower than 6.6.9.134.
- Resolved issues from versions [6.6.13.175](#) and [6.6.13.180](#) on fast ring.

3.1.44. Version 6.6.13.180

Release date:

Fast ring: 2019.09.23

Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- In some cases, the Advanced Anti-Exploit module caused Microsoft Outlook to crash due to products incompatibility.

3.1.45. Version 6.6.13.175

Release date:

Fast ring: 2019.08.28

Slow ring: -

Important

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- In some cases, Bitdefender Endpoint Security Service crashed on Windows 10.
- Bitdefender Endpoint Security Service led to high memory consumption on endpoints using the Blocklist feature of the EDR module.
- Antimalware On-access scanning caused a slowdown on Citrix login.
- Antimalware On-access scanning caused a slowdown on Remote Desktop 2016 login.
- In some situations, the Relay role could not finish the update process due to incomplete download of files.
- The Relay role caused up to 50% CPU usage on some endpoints.
- During installation, the agent removed certain files created by Deep Freeze.

3.1.46. Version 6.6.12.170

Release date:

Fast ring: 2019.07.30

Slow ring: 2019.07.31



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- The Encryption module now supports BitLocker Group Policy settings, such as password complexity and user's privileges to change their PINs, for endpoints integrated with Active Directory.
- The Support Tool is now able to granularly collect different types of logs. Depending on the issue and the corresponding module, you can activate multiple advanced logging scenarios.
- The number of concurrent on-demand scans on the endpoint is now limited for enhanced responsiveness.
- The endpoint users are no longer distracted by status alerts when the Advanced Anti-Exploit module is disabled.
- Improved the event transmission between the endpoint and GravityZone Control Center.
- Added support for uninstalling the following incompatible software:
 - Avast Business Cloud Care 4.x (detected as Avast Business Security 19.x)
 - CrowdStrike Falcon 5.x
 - Nifty Jouji Anshin Security24 19.x
 - Unlocker 1.x
- Enhanced support for uninstalling the following incompatible software:
 - F-Secure Client Security 12.x
 - Trend Micro Titanium Internet Security 15.x

Resolved Issues

- The Device Control module did not allow StorLib Virtual Storage devices to be excluded in the policy.
- Sometimes, the product installation succeeded even though incompatible software was detected on the endpoint.

- The Content Control module caused Arabi2 Accounting application running from network share to crash on Windows 10 Pro.
- The **Reconfigure Client** task failed for Windows 10 endpoints if the Content Control module was added.
- In some cases, the Relay caused constant higher CPU usage on multiple endpoints.
- The Antiphishing exclusions were not applied correctly on endpoints.
- Fixed a memory leak issue affecting endpoints with no Internet connection.
- The product failed to apply the firewall rule when using %LOCALAPPDATA% path for exclusions.
- The Firewall module prevented from update JOB and Drake Accounting applications.

3.1.47. Version 6.6.11.162

Release date:

Fast ring: 2019.06.26

Slow ring: 2019.06.26



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Improved SSL scanning in Mozilla Firefox as the product automatically configures the browser to use Windows Certificate Store by enabling the `security.enterprise_roots.enabled` option.

Resolved Issues

- Bitdefender Endpoint Security Tools Relay was crashing when trying to update after the latest GravityZone Cloud release.

3.1.48. Version 6.6.11.161

Release date:

Fast ring: 2019.06.25
Slow ring: 2019.06.25



Important

- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.6.11.159, released on fast ring.
- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for uninstalling the following incompatible software:
 - CylancePROTECT 2.x
 - F-Secure Client Security 10.x
 - F-Secure Client Security 11.x
 - F-Secure Client Security 12.x
 - F-Secure Client Security 13.x
 - F-Secure Client Security 14.x
 - Hotspot Shield 7.x
- Enhanced support for uninstalling the following incompatible software:
 - avast! Free Antivirus 18.x
 - avast! Internet Security 18.x
 - avast! Premier 18.x
 - avast! Pro Antivirus 18.x
- Added support for upcoming features available with the next GravityZone release.

Resolved Issues

- Resolved issues from version [6.6.11.159](#) on fast ring.

3.1.49. Version 6.6.11.159

Release date:

Fast ring: 2019.06.18

Slow ring: -



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for upcoming features available with the next GravityZone release.

Resolved Issues

- The Advanced Threat Control module caused Dlubal applications to crash at startup, after updating the agent to version 6.6.10.142.
- In some situations, the Bitdefender Endpoint Agent service caused high CPU usage on Windows 10.
- The endpoints were incorrectly reported as outdated in the GravityZone Control Center due to old signatures.
- An issue with the updating mechanism caused some endpoints on slow ring to receive updates from fast ring.
- The endpoints had no access to Bitdefender Cloud Services due to an incompatibility with Cisco Umbrella Roaming Client.
- The Content Control module generated multiple connection timeout errors when using Webp@ss Client 5.6.3 by TrustyCom.
- An issue at On-Demand scanning was freezing the task progress at 3% on Windows Server 2016.
- Other minor improvements and bug fixes.

3.1.50. Version 6.6.10.148

Release date:

Fast ring: 2019.05.28

Slow ring: 2019.05.29



Important

- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for Windows 10 19H1 (May 2019 Update).

Resolved Issues

- The licensing status of the endpoint was lost when upgrading to Windows 10 19H1.
- In some cases, the Reconfigure Client task failed if the agent did not recognize one of the selected modules.
- The On-demand scanning report displayed incorrect information about the last scheduled scan.
- The Advanced Threat Control module was prone to a higher number of false positive detections, after upgrading to Windows 10 19H1.

3.1.51. Version 6.6.10.146

Release date:

Fast ring: 2019.04.25

Slow ring: 2019.04.25



Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- The Endpoint Protected Service failed to start when a system reboot is required after updating to version 6.6.10.142.

3.1.52. Version 6.6.10.142

Release date:

Fast ring: 2019.04.22

Slow ring: 2019.04.23



Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.
- This version includes on slow ring all the improvements and fixes delivered with Bitdefender Endpoint Security Tools version 6.6.10.141, released on fast ring.

New Features and Improvements

- Added support for uninstalling the following incompatible software:
 - Symantec Cloud Endpoint 22.x
 - avast! Free Antivirus 19.x
 - FortiClient 6.x
 - AVG Antivirus Free 19.x
- New features and improvements from version [6.6.10.141](#) on fast ring.

Resolved Issues

- After updating to version 6.6.10.141, the product required system restart due to a driver incompatibility.
- The product did not successfully remove the Spanish version of Kaspersky Endpoint Security.
- Resolved issues from version [6.6.10.141](#) on fast ring.

3.1.53. Version 6.6.10.141

Release date:

Fast ring: 2019.04.18

Slow ring: -



Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Improved installation process through third party tools, by providing intermediary error codes in order to facilitate remediation or next steps action.

Resolved Issues

- In certain conditions, Endpoint Protected Service failed to start on endpoints after upgrading from Windows 7 to Windows 10.
- In some cases, the connection to the Exchange server failed on Windows 10 endpoints with Microsoft Outlook 2016 configured.
- Sometimes, when Scan SSL option from Content Control was enabled, Internet Explorer displayed a security alert, blocking access to the webpages running on https.
- Fixed several issues related to the Advanced Threat Control module:
 - High memory usage on Windows 10 Enterprise.
 - High CPU usage when using TS Controller application.
 - Slowdown when using Glovia 5.4 application.
- The Content Control with Traffic Scan enabled blocked the MxControlCenter application from connecting to IP cameras.
- The Content Control module prevented the access to GravityZone Control Center in Google Chrome and Internet Explorer browsers, when Scan SSL option was enabled.

3.1.54. Version 6.6.9.134

Release date:

Fast ring: 2019.03.28

Slow ring: 2019.03.28



Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- In certain conditions, endpoints with the Content Control module enabled could not communicate with the GravityZone console, being reported offline.
- In some situations, the EDR Live Response feature did not function if the endpoints had no internet access when starting up.

3.1.55. Version 6.6.9.131

Release date:

Fast ring: 2019.03.25

Slow ring: 2019.03.26

Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.
- This version includes on slow ring all the improvements and fixes delivered with Bitdefender Endpoint Security Tools versions 6.6.9.127 and 6.6.9.129, released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.9.127](#) on fast ring.

Resolved Issues

- In certain conditions, the Endpoint Communication Service crashed on Windows 10 with April 2018 Update (Redstone 4).
- Resolved issues from versions and [6.6.9.127](#) and [6.6.9.129](#) on fast ring.

3.1.56. Version 6.6.9.129

Release date:

Fast ring: 2019.03.18

Slow ring: -

Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.

- During this update, the Microsoft Exchange Transport service will be stopped.

Resolved Issues

- After updating to version 6.6.9.127, the product encountered a compatibility issue with certain Windows systems missing the updated version of the Universal C Runtime (CRT) component. The update was only available on the Fast ring.

3.1.57. Version 6.6.9.127

Release date:

Fast ring: 2019.03.13

Slow ring: -



Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Added support for Windows 10 IoT Enterprise.
- Reduced the amount of data that the Support Tool log collects.

Resolved Issues


- In some cases, Bitdefender Endpoint Security Service crashed due to a misconfiguration of the product.
- In a few situations, the policy settings failed to apply on Relay.
- In certain conditions, the Firewall module blocked ICMP v6 traffic on port 143, on Windows 10 Pro.

3.1.58. Version 6.6.8.119

Release date:

Fast ring: 2019.03.04

Slow ring: 2019.03.04

 **Important**

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.
- This version includes on slow ring all the improvements and fixes delivered with Bitdefender Endpoint Security Tools version 6.6.8.117, released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.8.117](#) on fast ring.

Resolved Issues


- After updating to version 6.6.8.117, the product crashed on Windows Server 2012 R2 due to an incompatibility with the EDR module. The update was only available on the Fast ring.

3.1.59. Version 6.6.8.117

Release date:

Fast ring: 2019.02.28

Slow ring: -

 **Important**

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements


- Improved the performance of the On-access scanning module.

3.1.60. Version 6.6.8.115

Release date:

Fast ring: 2019.02.14

Slow ring: 2019.02.18

 **Important**

- This version is for Windows 7 / Windows Server 2008 R2 and later.

- During this update, the Microsoft Exchange Transport service will be stopped.
- This version includes on slow ring all the improvements and fixes delivered with Bitdefender Endpoint Security Tools version 6.6.8.112, released on fast ring.

New Features and Improvements

- New features and improvements from version [6.6.8.112](#) on fast ring.

Resolved Issues

- Fixed a crash in the Web Services Library when verifying certificates in certain conditions.
- Resolved issues from version [6.6.8.112](#) on fast ring.

3.1.61. Version 6.6.8.112

Release date:

Fast ring: 2019.02.11

Slow ring:



Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Improved the mechanism of sending encryption recovery keys to ensure their availability in the GravityZone console.
- When removing BEST using the Uninstall Tool, encrypted non-boot partitions managed by the Encryption module are now automatically unlocked.
- The Hyper Detect feature status is now visible in the Modules section of the user interface.
- GravityZone administrators can now block Windows Internet Connection Sharing (ICS) on endpoints running Windows 8 or later.
- Following this update, existing installations on slow ring will be progressively migrated to the new Content Control technology (initially introduced with version 6.6.5.82).

Resolved Issues

- In some cases, Bitdefender Endpoint Security Tools deployment via relay failed with error code 15.
- When the Advanced Threat Control module was enabled Acronis Back-up could not create snapshots.
- The Advanced Threat Control module interfered with Arcserve Back-up solution causing BSOD on Windows 10.
- In a particular scenario, the Advanced Threat Control module caused the Endpoint Security Service to stop working.
- The Firewall module blocked DrayTek application when the Active profile was set to "Let Windows decide".
- Sometimes, after migrating to the new Content Control technology, the EDR sensor was active only when re-applying the policy manually.
- GravityZone search results of the events reported by the EDR sensor were displaying the domain instead of the endpoints names.
- Sometimes, when no connection was configured directly or through a proxy from the policy, BEST could not connect to Cloud Services.
- The Patch Management module was not updating some applications, if the download link was moved or redirected.
- Using multiple exclusions in the Power User module was not functioning properly.
- On Windows 2008 R2 Standard, BEST generated large amounts of log files.
- In some situations, BEST prevented creating snapshots with the Quiesce VMware filesystem option.
- When a browser page was blocked, the message displayed in French was translated incompletely.
- Changed description of some product files.
- A file removal vulnerability on Windows Server 2016 was fixed.
- Other minor improvements and bug fixes.

3.1.62. Version 6.6.7.106

Release date:

Fast ring: 2018.12.20

Slow ring: 2019.01.03



Important

- This version is for Windows 7 / Windows Server 2008 R2 and later.
- During this update, the Microsoft Exchange Transport service will be stopped.

New Features and Improvements

- Performance improvements for the new Content Control technology.
- Added support for uninstalling the following incompatible security products:
 - ESET NOD32 Antivirus 12.x
 - ESET Endpoint Security 7.x
 - ESET Endpoint Antivirus 7.x
 - ESET Internet Security 12.x
 - ESET Smart Security 12.x
- Enhanced support for uninstalling the following incompatible security products:
 - avast! Free Antivirus 18.x
 - avast! Internet Security 18.x
 - avast! Premier 18.x
 - avast! Pro Antivirus 18.x
 - AVG AntiVirus Free 18.x
 - AVG Business 18.x
 - AVG AntiVirus Business Edition 16.x
 - AVG Internet Security 18.x
 - Sophos Endpoint Security and Control 10.x
 - Sophos Endpoint Security and Control 11.x
 - SecureAnywhere Complete 9.x

Resolved Issues

- Compatibility issues between the new Content Control technology and specific websites or applications.

3.2. Known Issues

File System Protection

- Using endpoint isolation for virtual machines running on Citrix Provisioning Services (PVS) infrastructure will permanently block access to those machines. Do not use endpoint isolation on such machines.
- The upgrade from Endpoint Security requires system reboot on Windows endpoints if Advanced Threat Control and the rootkit driver fail to unload.
- The Advanced Threat Control module is incompatible with Citrix EdgeSight.

Exchange Protection

- When two Exchange scan tasks are scanning simultaneously the same mailbox, some emails are not scanned. It is recommended to avoid running more than one Exchange scan at a time.
- Product updates might stop running Exchange scan tasks, without sending the status change to Control Center.
- The antimalware footer is not visible in digitally signed emails sent over Microsoft Exchange (MAPI) protocol.
- When adding UTF-8 footer to an HTML or plain text MIME email with ISO-2022-JP encoding, the converted email may include slightly changed characters. However, this should not affect the overall readability and understanding of the text.

3.3. Limitations

Exchange Protection

- Exchange on-demand scanning does not work when Powershell v1.0 is installed. In such cases, you must update Powershell to v2.0.
- Meeting or task request emails cannot be modified.

4. BITDEFENDER ENDPOINT SECURITY TOOLS FOR LINUX

4.1. Version History

4.1.1. Version 7.0.3.1927

Release date:

- Fast ring: 2021.12.24
- Slow ring: 2021.12.24

Resolved issues

Product

- All events are now being sent to Splunk servers.

Known issues

Product

- Event submissions to Splunk servers currently fail without a fully signed SSL certificate.

4.1.2. Version 7.0.3.1922

Release date:

- Fast ring: 2021.12.16
- Slow ring: 2021.12.16

New features

Product

- Patch Management is now available for BEST for Linux. You can find a list of compatible operating systems [here](#).

Improvements

- You can now schedule recurring product and security content updates to run on endpoints. You can set the task to run on a specific day of the week or after a certain time has passed since the last occurrence.

- A notification is now sent when a system restart is required. You can choose to immediately restart or postpone the process.
- You can now enable an automatic shutdown or system restart based on specific scenarios such as product update or disinfection.
- The **Restart machine** task is now available for Linux endpoints.
- Antimalware events history is now available locally.

Resolved issues

- Updating BEST for Linux now properly deletes all previous installation packages present on the endpoint.
- Resolved multiple issues causing the security agent to crash or freeze.
- All scan tasks ran through the Bitdefender User Interface Tool (`bduiitool`) now receive unique IDs.

4.1.3. Version 7.0.3.1903

Release date:

- Fast ring: 2021.12.01
- Slow ring: 2021.12.01

Improvements

Product

- Product update mechanism via our agent installer has been enhanced.

4.1.4. Version 7.0.3.1899

Release date:

- Fast ring: 2021.11.23
- Slow ring: 2021.11.25

Improvements

Product

- You can now apply policies based on location assignment rules.

- BEST for Linux v7 is now compatible with the following Linux distributions:
 - Rocky Linux 8.x
 - Pardus 21.0x
 - Alma Linux 8.x
 - Ubuntu 21.04 and 21.10
 - Cloud Linux OS
- BEST for Linux v7 is now compatible with 32-bit operating systems on the following distributions:
 - CentOS 6
 - CentOS 7
 - CentOS 10
 - Debian 11
 - Debian 9
 - Red Hat Enterprise Linux 6
 - Ubuntu 14
 - Ubuntu 16
- BEST for Linux v7 now supports DazukoFS for kernel versions 2.6.32.



Note

As a result of these improvements, feature parity between versions 6 and 7 has been achieved.

Resolved issues

Product

- BEST for Linux v7 installer no longer incorrectly reports that there is not enough space on disk when the `/opt/bitdefender-security-tools` file exists.
- Starting an installation of BEST for Linux v7 on an endpoint with an older version of v7 installed no longer returns **The product is already installed**
- Fixed the issue causing increased RAM usage on Ubuntu machines.

- Product updates no longer fail when the Relay URL address has a slash (/) at the end.
- Running the `deliverall` command no longer archives the `dnf` folder on machines where BEST for Linux v7 has been updated from an older version.
- Product updates no longer fail on SUSE operating systems.
- Updating BEST for Linux v6 to v7 now properly creates the `/usr/bin/bd` symlink file.

Support Tool

- **Troubleshooting Debug Session** tasks no longer remain in an In progress state.

Advanced Anti-Exploit

- Alerts are no longer incorrectly triggered for `pkexec` and `policykit` processes.

4.1.5. Version 7.0.3.1869

Release date:

- Fast ring: 2021.11.16
- Slow ring: 2021.11.16

Resolved issues

Product

- Security fixes

4.1.6. Version 7.0.3.1868

Release date:

- Fast ring: 2021.11.03
- Slow ring: 2021.11.03

Resolved issues

Product

- Background periodic clean-up of temporary support files no longer causes Bitdefender systems to crash.

4.1.7. Version 7.0.3.1862

Release date:

- Fast ring: 2021.10.28
- Slow ring: 2021.10.28

Resolved issues

Product

- Security content updates no longer cause Scan Servers to reload.
- Repeated deployments via Relay on the same endpoint no longer apply the same BEST version. This would occur regardless of the specified deployment settings.
- Resolved an issue causing the Quarantine module to fail clearing file descriptors during scans, resulting in higher resource usage.

Improvements

On-Access

- Files previously confirmed as clean and unmodified are no longer scanned when accessed.

4.1.8. Version 7.0.3.1850

Release date:

- Fast ring: 2021.10.21
- Slow ring: 2021.10.25

Improvements

Product

- **Support Tool** is now available for BEST for Linux v7.

Security Containers

- **On-Access protection** now available for Security Container Hosts.
- **OpenShift CRI-O Container Engine** now compatible with Container Protection.

Known issues

Product

- During scans, the Quarantine module does not clear file descriptors, resulting in higher resource usage.

4.1.9. Version 7.0.1.1774

- Fast ring: 2021.10.04
- Slow ring: 2021.10.05

Resolved issues

Product

- Bitdefender User Interface Tool (bduitool) now available for BEST for Linux v7.
- Bitdefender user no longer appears in GNOME GUI environments.
- BEST for Linux v7 no longer takes ownership of certain apt files, making software updates to fail.

Known issues

On-demand

- Changing the system time on an endpoint that has scheduled custom scans causes Bitdefender product to crash.

4.1.10. Version 7.0.1.1762

Release date: 2021.09.29

Resolved issues

Product

- Kprobes no longer failing to load after security content updates.
- Fixed issue causing update tasks ran on machines with BEST for Linux v7.0.1.1626 installed to fail despite the console showing the update as successful.

4.1.11. Version 7.0.1.1754

Release date: 2021.09.23

Improvements

Product

- Logs folder location has been changed from `/tmp` to `/opt/bitdefender-security-tools/var/tmp`.
- Network Isolation tasks now work on endpoints which have a proxy configured.
- Support tool is now available for BEST for Linux v7. It is currently available only from the command line interface.

EDR

- The performance of the incidents sensor has been increased by as much as 30% in certain scenarios.
- Extended the EDR support to Amazon Bottlerocket.

Resolved issues

Product

- Policies now correctly apply communication settings to endpoints that have been upgraded from BEST for Linux v6 to v7.
- GravityZone now properly detecting new deployments of Patch Management.
- Running a reconfigure task now correctly checks available disk space before installing a Relay role. The installation will only begin if there is sufficient disk space available.
- Uninstalling BEST for Linux v7 from virtual machines no longer results in a crash in certain situations.
- BEST for Linux v7 now properly updating on all SLES machines.
- Running BEST for Linux installation packages downloaded from a custom host no longer fail.
- BEST for Linux v7 now compatible with machines working with FIPS protocol.
- Fixed issue causing policies not to apply correctly when done through a relay.
- Security fixes.

AAE

- Custom scan exclusions now properly loading.
- On-access scans no longer scan removed scan paths specified in your policy settings.
- Added exceptions for alerts related to package managers (apt, yum, dnf).
- Techniques are now properly displayed for corresponding generated events.

Security Containers

- Container logs now properly record Security Container updates.
- Restoring a quarantined file to a container now correctly places the file back on the container instead of the host VM.
- Security Containers now work properly with Bottlerocket OS.

4.1.12. Version 7.0.1.1725

Release date: 2021.09.09

Resolved issues

Product

- Security content updates no longer cause On-Demand scans to return no results.

4.1.13. Version 7.0.1.1713

Release date: 2021.09.07

Improvements

Product

- Network Isolation for EDR is now available.

Resolved issues

Product

- Upgrading BEST for Linux from v6 to v7 no longer causes issue where both BEST versions run on the same endpoint.

- Upgrading BEST for Linux from v6 to v7 no longer causes On-demand scans to return no results.

Relay Role

- Relay Role is now supported again.
- Upgrading BEST for Linux from v6 to v7 no longer causes On-demand scans to return no results.

Known issues

Product

To change the proxy settings, go to the General > Communication policy section and choose another option for Communications between Endpoints and Relays / GravityZone.

- Network Isolation disconnects endpoints from the network, causing a loss of connectivity with GravityZone. This issue only occurs for endpoints that use policies with proxy configurations.

4.1.14. Version 7.0.1.1626

Release date: 2021.08.12

Improvements

Product

- Policies applied to Security Containers now function independently of policies applied to the host.

Enabling On-access on policies that have already been applied no longer fails to activate the service.

HTTPS protocol updates no longer fail on certain operating systems.

Running an Update Client task for both Security Content and Product no longer fails to perform the Security Content update.

Scan reports now show the correct number of scanned files.

4.1.15. Version 7.0.1.1582

Release date: 2021.08.12

Improvements

Security Containers

- Podman inventory support now available.

Resolved issues

Product

- Update tasks now show correct status after failing.
- Using On-Access scanning on a Ubuntu container no longer causes Bitdefender services to sometimes crash.
- Issues no longer appear when trying to remove malware from certain archives.

Security Containers

- Container runtime now registers properly in all environments.
- When applying policies to containers, configured actions now apply correctly when malware is detected, including on older kernel versions.
- Kprobes no longer being reloaded when no new updates are available.

4.1.16. Version 7.0.1.1556

Release date: 2021.08.06

Resolved issues

Product

- Product updates no longer fail when no Update Locations are added to the policy you are using.

4.1.17. Version 7.0.1.1551

Release date: 2021.08.05

Resolved issues

Product

- Product now correctly showing status for disabled modules.

- Performing a scan task during a security content update no longer causes Bitdefender services to sometimes crash.
- Using a proxy server no longer prevents EDR incidents from being generated.

4.1.18. Version 7.0.1.1520

Release date: 2021.07.29

BEST for Linux v7 is now available with a new set of features and benefits, including:

Features

- Container Protection – protects both the container host and its running containers.
- A new anti-exploit module.

Benefits and improvements

- A new architecture, created using Kprobes instead of kernel modules, which eliminates the common delays or the need to sacrifice security when upgrading.
- Greatly expanded platform compatibility to all Enterprise Linux distributions and cloud native Linux distributions.

[Learn more](#)

Known issues

- Policy per location not supported.
- Bduitool not supported.
- Relay role not supported.
- Remote Troubleshooting not supported.
- Has Issues status not being removed properly from endpoints once the issue has been resolved.
- SELinux not supported.
- EDR Isolate action not supported.
- Shut down computer when scan is finished option not functioning properly after scan is performed. Endpoints are not being shut down.

- Restart computer task with Restart now option enabled not functioning properly. Virtual machines and computers are not being restarted.
- Files in mounted network directories not being scanned through On-access scanning.
- Machines with 32bit OS not supported.
- Delay in Security Content Update Status change after security update.
- On-access scanning ignoring file size limitation. All file sizes are scanned.

4.1.19. Version 6.2.21.173

- Fast ring: 17.01.2022
- Slow ring: 19.01.2022

Resolved issues

- EDR events are now properly received from endpoints communicating through a Relay.

4.1.20. Version 6.2.21.171

- Fast ring: 2021.11.16
- Slow ring: 2021.11.16

Resolved issues

- Security fixes

4.1.21. Version 6.2.21.170

- Fast ring: 2021.09.28
- Slow ring: 2021.09.28

Improvements

- Prior to each deployment of BEST for Linux v6, endpoints will be checked by the system. If BEST for Linux v7 is already installed, the deployment will not be initiated.

Resolved issues

- Security fixes.

4.1.22. Version 6.2.21.169

Release date: 2021.08.18

Resolved issues

Product

- Endpoints with BEST for Linux v7 now properly update on SUSE systems when using BEST for Linux v6 update servers.
- Security Server instances now publishing accordingly on update servers that use BEST for Linux v6.

4.1.23. Version 6.2.21.167

Release date:

Fast ring: 2021.07.21

Slow ring: 2021.07.22

New Features and Improvements

- Modifications were made to update server in preparation for BEST for Linux v7 launch. No restart is required.

4.1.24. Version 6.2.21.165

Release date:

Fast ring: 2021.07.01

Slow ring: 2021.07.05

New Features and Improvements

Endpoint Detection and Response (EDR)

- Extended the supported kernels list for the **EDR** module. The new kernel versions are available [here](#).

4.1.25. Version 6.2.21.160

Release date:

Fast ring: 2021.06.03

Slow ring: 2021.06.07

New Features and Improvements

Endpoint Detection and Response (EDR)

- Extended the supported kernels list for the **EDR** module. The new kernel versions are available [here](#).

Resolved Issues

Endpoint Detection and Response (EDR)

- The **EDR** module caused intermittent reboots and crashes on endpoints that use the DazukoFS module.

Product

- Security fixes.

4.1.26. Version 6.2.21.155

Release date:

Fast ring: 2021.05.17

Slow ring: 2021.05.19

Resolved Issues

Product

- The security agent led to system crashes on Red Hat Enterprise Linux after the update to version 8.3.
- Security fixes.

4.1.27. Version 6.2.21.141

Release date:

Fast ring: 2021.04.15

Slow ring: 2021.04.19

New Features and Improvements

Relay

- Added support for the newest update locations necessary for the Security Server update process.

4.1.28. Version 6.2.21.137

Release date:

Fast ring: 2021.03.04

Slow ring: 2021.03.08

New Features and Improvements

Endpoint Detection and Response (EDR)

- Extended the supported kernels list for the **EDR** module. The new kernel versions are available [here](#).

Resolved Issues

- Resolved issues from versions [6.2.21.135](#) and [6.2.21.136](#) on fast ring.

4.1.29. Version 6.2.21.136

Release date:

Fast ring: 2021.02.26

Slow ring: -

Resolved Issues

Product

- Fixed multiple crashes that affected systems with product version 6.2.21.135, released on fast ring.

4.1.30. Version 6.2.21.135

Release date:

Fast ring: 2021.02.25

Slow ring: -

Resolved Issues

Product

- The remote deployment of the security agent failed due to permission issues when non-root credentials were used.

Endpoint Detection and Response (EDR)

- The **EDR** module caused system crashes when the `kubectl` command was used.

4.1.31. Version 6.2.21.133

Release date:

Fast ring: 2021.02.03
Slow ring: 2021.02.08

New Features and Improvements

Bduitool

- Improved the `bduitool` scan options as follows:
 - The command `bduitool get scantask` now returns a task identifier for each task in the list. The tasks in progress are listed first.
 - Every listed timestamp is now followed by the time zone.

These improvements do not impact the current system requirements.

For more information, refer to [Bitdefender Endpoint Security Tools for Linux User's Guide](#).

Resolved Issues

Product

- The product led to system crashes after updating to Red Hat Enterprise Linux 8.3.
- A corrupted system configuration file (`/etc/fstab`) prevented successful reboots on Red Hat Enterprise Linux 5 and 6.
- The Bitdefender Crash Handler mechanism caused multiple applications to hang leading the system into an unresponsive state.

- Oracle Linux Server systems with the security agent installed reported errors when elevated commands were run.

4.1.32. Version 6.2.21.125

Release date:

Fast ring: 2020.12.15
Slow ring: 2020.12.17

New Features and Improvements

General

- Added improvements for product crash scenarios.
- Added improvements for better resource consumption.

Resolved Issues

Installation

- The security agent failed to install on a Red Hat Enterprise 6.5 Korean system.

Antimalware

- The **Antimalware** module appeared as disabled in the local interface when the mount point used NFSv4.
- The product caused system crashes on Red Hat Enterprise 8.3.

Endpoint Detection and Response (EDR)

- The security agent consumed a large amount of memory triggering Linux Out of Memory Killer on some Ubuntu systems.

4.1.33. Version 6.2.21.108

Release date:

Fast ring: 2020.11.17
Slow ring: 2020.11.17

New Features and Improvements

General

- Added support for the latest Red Hat Compatible Kernels (RHCK) versions of Oracle Linux 7.

4.1.34. Version 6.2.21.106

Release date:

Fast ring: 2020.11.09

Slow ring: 2020.11.11

New Features and Improvements

General

- Added support for upcoming features available with the next GravityZone release.

Antimalware

Improved the **Bitdefender User Interface Tool (bduitool)** as follows:

- A task ID is provided when an on-demand scan task is initiated. Using this unique identifier you can easily manage tasks and find the necessary information.
- The users can now query the status of previous and current on-demand scan tasks using a task ID. The result consists of an individual summary for each scan task. The summary includes details like scan type, scanned items, a path to the full report, and others.
- On-demand scan tasks initiated via **bduitool** now support wildcards that expand the full directory path.

4.1.35. Version 6.2.21.103

Release date:

Fast ring: 2020.09.30

Slow ring: 2020.10.05

New Features and Improvements

Relay

- Added support to display the latest security content in the **Repository details** tab, in GravityZone console.

Endpoint Detection and Response (EDR)

- Extended the **EDR** supported kernels list with version 2.6.32.

Quarantine

- Minor improvements related to backing up quarantined files.

Resolved Issues

Antimalware

- In some cases, start time for **On-Demand** scheduled scan tasks was set to UTC regardless of the local time zone.
- The product failed to apply the option **Copy files to quarantine before applying the disinfect action** enabled in the GravityZone console.

Endpoint Detection and Response (EDR)

- The product returned operating system and **EDR** commands without logging feature enabled.
- The **EDR** module caused high latencies on Linux systems such as CentOS 7.6.

Patch Management

- In certain conditions, the **Patch Management** module failed to download patches properly.

General

- Changing standard umask settings to comply with custom security guidelines caused incorrect product installation.

4.1.36. Version 6.2.21.97

Release date:

Fast ring: 2020.09.10

Slow ring: 2020.09.10

Resolved Issues

Relay

- Addressed a vulnerability discovered recently.

4.1.37. Version 6.2.21.94

Release date:

Fast ring: 2020.08.24

Slow ring: 2020.08.24

Important

- This version also includes on slow ring the improvements and fixes delivered with the Bitdefender Endpoint Security Tools version 6.2.21.92, released on fast ring.

Resolved Issues

General

- The security agent caused disk space usage on Linux systems.

Antimalware

- The endpoint reported infected files as blocked when the scan action was set to **Take no action**.
- In some cases, suspicious or infected files were reported as deleted instead of unresolved in the **Malware Status** report.

4.1.38. Version 6.2.21.92

Release date:

Fast ring: 2020.08.20

Slow ring: -

Resolved Issues

General

- The security agent caused disk space usage on Linux systems.

Antimalware

- The endpoint reported infected files as blocked when the scan action was set to **Take no action**.
- In some cases, suspicious or infected files were reported as deleted instead of unresolved in the **Malware Status** report.

4.1.39. Version 6.2.21.88

Release date:

Fast ring: 2020.08.12

Slow ring: 2020.08.12

Resolved Issues

Antimalware

- The product monitoring mechanism failed to use the **Full Scan** settings to determine the infection status of the endpoint.
- Stopping the Bitdefender services while the product was checking the status of an existing infection caused the loss of some files from the monitoring mechanism.

Known Issues

Antimalware

- The **On-Access** and **On-Demand** features may report the same files with different names when **HyperDetect** is set to **Aggressive** or when the option **Extend reporting on higher levels** is selected. This issue causes the **Malware Status** report to display the files as deleted instead of unresolved.

4.1.40. Version 6.2.21.88

Release date:

Fast ring: 2020.08.12

Slow ring: 2020.08.12

Resolved Issues

Antimalware

- The product monitoring mechanism failed to use the **Full Scan** settings to determine the infection status of the endpoint.
- Stopping the Bitdefender services while the product was checking the status of an existing infection caused the loss of some files from the monitoring mechanism.

Known Issues

Antimalware

- The **On-Access** and **On-Demand** features may report the same files with different names when **HyperDetect** is set to **Aggressive** or when the option **Extend reporting on higher levels** is selected. This issue causes the **Malware Status** report to display the files as deleted instead of unresolved.

4.1.41. Version 6.2.21.87

Release date:

Fast ring: 2020.07.28
Slow ring: 2020.07.29

Resolved Issues

Generic

- The product caused critical errors (Kernel Panic) on CentOS 7 systems.

4.1.42. Version 6.2.21.84

Release date:

Fast ring: 2020.07.08
Slow ring: 2020.07.09

New Features and Improvements

Generic

- Incidents based on the Antimalware On-demand scans are now generated and displayed in the GravityZone console.

4.1.43. Version 6.2.21.79

Release date:

Fast ring: 2020.07.01
Slow ring: 2020.07.01

Resolved Issues

Generic

- The security agent caused crashes on CentOS 6.10 systems, after updating to version 6.2.21.76.

4.1.44. Version 6.2.21.76

Release date:

Fast ring: 2020.06.29
Slow ring: 2020.06.30

New Features and Improvements

Generic

- Added support for upcoming features available with the next GravityZone release.

Endpoint Detection and Response (EDR)

- Improved the EDR incidents detections.
- Extended the supported kernels list for the EDR module. The new kernel versions are available [here](#).

Resolved Issues

Generic

- The endpoint submitted multiple events to GravityZone console, which led to high memory consumption.
- Bitdefender Redline service caused high memory usage on CentOS systems.

4.1.45. Version 6.2.21.67

Release date:

Fast ring: 2020.06.08
Slow ring: 2020.06.08

Resolved Issues

- The security agent failed to detect certain machines joined to Amazon Web Services (AWS) which prevented GravityZone from licensing them.

4.1.46. Version 6.2.21.66

Release date:

Fast ring: 2020.04.23

Slow ring: 2020.04.23

Resolved Issues

- The product caused deadlocks on CentOS 7 servers in environment with high volume ICMP events.

4.1.47. Version 6.2.21.64

Release date:

Fast ring: 2020.04.16

Slow ring: 2020.04.16

Resolved Issues

- The signature updates did not start automatically on endpoints with 6.2.21.63 product version.

4.1.48. Version 6.2.21.63

Release date:

Fast ring: 2020.04.06

Slow ring: 2020.04.08

New Features and Improvements

- Added support for generating incidents on Elite licensed endpoints.
- Introduced Bitdefender Update Daemon (bdupdated) as a new update service. The previous service (bdlived) has been removed.
- Added support for process kill action on incidents generated by **Incidents Sensor**.
- Improved the scanning mechanism with new built-in Antimalware On-Access and On-Demand exclusions.
- Added support for moving endpoints between companies in GravityZone Control Center

- Improved the On-Demand scheduler.
- Added support for EDR with a new range of Linux kernel versions, available with the following operating systems:
 - CentOS 6
 - CentOS 7
 - CentOS 8
 - Oracle Linux 6
 - Oracle Linux 7
 - Ubuntu 14.04
 - Ubuntu 16.04
 - Ubuntu 18.04

For the list of supported kernel versions, refer to the **Requirements > Endpoint Protection** section in the GravityZone Installation Guide.

- New installations and product updates now require minimum free disk space as follows:

Scanning Type	AV Only	Full Options
Local Scanning	1600 MB	1600 MB
Hybrid Scanning	1100 MB	1100 MB
Centralized Scanning	600 MB	600 MB
Local Scanning + Centralized Scanning	1600 MB	1600 MB
Hybrid Scanning + Centralized Scanning	1100 MB	1100 MB

Resolved Issues

- The `bduitool` crashed when used for custom scan on Red Hat Enterprise Linux Server.
- The On-Access module could not detect EICAR files located in an overlay partition, on Ubuntu 18.04.1 LTS.
- Bitdefender Redline service triggered multiple cron failure notifications.

- The Relay communication with endpoints failed with error 1004.
- The endpoint updated through proxy even if it was not configured in the policy.

4.1.49. Version 6.2.21.53

Release date:

Fast ring: 2020.02.10
Slow ring: 2020.02.10



Important

This version includes on slow ring all the improvements and fixes delivered with Bitdefender Endpoint Security Tools version 6.2.21.49, released on fast ring.

New Features and Improvements

- Enhanced the scanning engines loading mechanism.

Resolved Issues

- Resolved issues from version [6.2.21.49](#) on fast ring.

4.1.50. Version 6.2.21.49

Release date:

Fast ring: 2020.01.20
Slow ring: -

Resolved Issues

- The On-Access Scanning module interfered with the software compilation process on Ubuntu 18.04, even when disabled.

4.1.51. Version 6.2.21.46

Release date:

Fast ring: 2019.12.09
Slow ring: 2019.12.11

Resolved Issues

- The security agent interfered with the authselect application on certain Linux systems.
- Fixed a product incompatibility that required SELinux to be disabled on Linux systems using Fanotify.

4.1.52. Version 6.2.21.42

Release date:

Fast ring: 2019.10.30
Slow ring: 2019.11.04

New Features and Improvements

- Added support for configuring Antimalware exclusions in the GravityZone console by file hash or threat name.
- Added support for configuring Antimalware Process exclusions in GravityZone console for the On-Access module.
- Added support for wildcards when customizing Antimalware On-Access / On-Demand exclusions. Question mark (?) substitutes for one character, whereas asterisk (*) substitutes for any number of characters until the special character (/) is reached.
- The product can now be installed at a configured custom path with the following restrictions:
 - All paths have to start with slash (/) – except %PROGRAMFILES%
 - Paths starting with /tmp or /proc are not accepted
 - Paths that contain a special character (\$, !, *, ?, ", ', ` , \, %) , including any type of parentheses are not accepted
- The EDR sensor is now improved to reflect the current status more accurately.

Resolved Issues

- Simultaneous contextual scans with `bduitool` resulted in only one local scan log.
- Bitdefender Redline service triggered multiple cron failure notifications.

- In certain situations, the On-Access module could not detect specific files on XFS partition.
- The Contextual Scan archive limit size configured in the policy did not reflect on the endpoint.

4.1.53. Version 6.2.21.32

Release date:

Fast ring: 2019.07.25

Slow ring: 2019.07.25

Resolved Issues

- In a particular case, the on-demand scan tasks did not run when using bduitool.

4.1.54. Version 6.2.21.31

Release date:

Fast ring: 2019.07.03

Slow ring: 2019.07.03

Resolved Issues

- Addressed a particular scenario causing scanning service crashes.

4.1.55. Version 6.2.21.29

Release date:

Fast ring: 2019.06.26

Slow ring: 2019.06.27

Important

This version includes on slow ring all the improvements and fixes delivered with Bitdefender Endpoint Security Tools versions 6.2.21.27 and 6.2.21.28 released on fast ring.

New Features and Improvements

- New features and improvements from version [6.2.21.27](#) on fast ring.

Resolved Issues

- The EDR module was not licensed when installed via a Reconfigure task.
- Resolved issues from versions [6.2.21.27](#) and [6.2.21.28](#) on fast ring.

4.1.56. Version 6.2.21.28

Release date:

Fast ring: 2019.06.25

Slow ring: -

Resolved Issues

- In certain conditions, the product crashed on Debian 9 after updating the agent to version 6.2.21.27.

4.1.57. Version 6.2.21.27

Release date:

Fast ring: 2019.06.24

Slow ring: -

New Features and Improvements

- Improved EDR Sensor now reports incidents and suspicious activity to GravityZone.

Resolved Issues

- The `bdui tool` command returned the exit code 0 for both successful and failed statuses. Now for failed operations the command returns error codes different than 0.
- In a particular case, Ubuntu 18.04 physical machine with the EDR module installed stopped.
- High CPU usage occurred on Debian 9 Relay servers.

Known Issues

- When running `bduitool get ps` command on endpoints with EDR Sensor installed, the feature status is always "Installed", even if the module is disabled or the kernel version is unsupported.

4.1.58. Version 6.2.21.23

Release date:

Fast ring: 2019.05.02
Slow ring: 2019.05.02

Resolved Issues

- In a particular scenario, the Relay failed to download product kits, causing deployment issues.

4.1.59. Version 6.2.21.21

Release date:

Fast ring: 2019.04.22
Slow ring: 2019.04.22

Important

This version includes on slow ring all the improvements and fixes delivered with Bitdefender Endpoint Security Tools version 6.2.21.18, released on fast ring.

New Features and Improvements

- New features and improvements from version [6.2.21.18](#) on fast ring.

Resolved Issues

- In some situations, the product failed to report FQDN for EDR events.
- Resolved issues from version [6.2.21.18](#) on fast ring.

4.1.60. Version 6.2.21.18

Release date:

Fast ring: 2019.04.09

Slow ring: -

New Features and Improvements

- New EDR blocklist capability allows administrators to automatically prevent suspicious files from running based on hash.
- Remote deployment now also works using sudo user with full permissions.

Resolved Issues

- In some situations, the endpoint crashed at boot time after installing the agent through DazukoFS.
- Reconfigure Client task status did not update in GravityZone console once completed on the endpoint (remained In Progress).
- High memory usage occurred during on-demand scanning on some Ubuntu 18.04 systems.
- Bitdefender Redline connectivity errors are no longer logged to syslog.

4.1.61. Version 6.2.21.12

Release date:

Fast ring: 2019.02.14
Slow ring: 2019.02.18

New Features and Improvements

- Streamlined EDR module installation and update process reducing network traffic.
- New installations and product updates now require kernel version 2.6.32 or higher. Installing on older kernels will fail with error 12.
- New installations and product updates now check for and require minimum free disk space (in addition to existing checks for Relay and Patch Caching Server roles). Installing on systems with insufficient disk space will fail with error 74. The minimum requirements are as follows:

Scanning Type	AV Only	AV + EDR
Local Scanning	1300 MB	1450 MB

Scanning Type	AV Only	AV + EDR
Hybrid Scanning	800 MB	950 MB
Centralized Scanning	300 MB	450 MB
Local Scanning + Centralized Scanning	1300 MB	1450 MB
Hybrid Scanning + Centralized Scanning	800 MB	950 MB

Resolved Issues

- In some cases, the product blocked logical volumes (LV) mounts when using DazukoFS.
- The product now detects AutoFS mount points to avoid mounting NFS filesystems using DazukoFS.
- In certain situations when using Remote Scan, On-demand scanning caused high memory consumption.
- Other minor improvements and bug fixes.

4.2. Known Issues

File System Protection

- Using endpoint isolation for virtual machines running on Citrix Provisioning Services (PVS) infrastructure will permanently block access to those machines. Do not use endpoint isolation on such machines.
- On Ubuntu 14.04 systems with fanotify and a kernel version older than 4.0.0, on-access scanning does not delete infected files from network shares with NFS 4.1. Also, on network shares with NFS 3.x, the infected files are corrupted and inaccessible.
- On Linux systems with fanotify, creating files on network shares with CIFS 1.0 and 2.0 takes 15-30 seconds more than usual.