Patch Notes



VBS4 23.2.2



Bohemia tive TIONS

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The Bohemia Interactive Simulations Support page can be found at:

<u>http://www.bisimulations.com/support</u>

For any type of assistance with Bohemia Interactive Simulations products, use the following support email and we will respond to your query with urgency.

• <u>support@bisimulations.com</u>

Our website contains a range of media and handouts relating to Bohemia Interactive Simulations products:

• http://www.bisimulations.com/

The BISim Wiki is the primary resource on VBS4 scripting:

https://sqf.bisimulations.com/display/SQF/VBS+Scripting+Reference

PhysX

VBS4 uses the PhysX physics engine. For more information on PhysX visit the Nvidia site.

https://gameworksdocs.nvidia.com/simulation.html



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1. VBS4 23.2.2 Patch Notes

Bohemia Interactive Simulations releases VBS4 23.2.2 as a patch update, available for direct download from Bohemia Interactive Simulations.

With the VBS4 23.2.2 update, Bohemia Interactive Simulations continues to deliver a more robust and stable virtual desktop training environment. This update includes resolutions for specific customer issues.

A WARNING

Updates to VBS4 23.2.2 require an existing installation of VBS4 23.2.0 or later.

If you have not already installed VBS4 23.2.0 or later, please perform a full installation of that major version including the required update.

For more information, see Installing VBS4 (on page 11).

The VBS4 23.2.2 update is a cumulative patch that includes General and Customer updates from the VBS4 23.2.1 through 23.2.2 patches.

For more information about this patch, see the following:

- Updates and Enhancements 23.2.2 (on the next page)
- Product Maintenance 23.2.2 (on page 7)

To download and deploy this patch, see the following topics:

• Updating VBS4 Clients to 23.2.2 (on page 10)

1.1 Updates and Enhancements 23.2.2

VBS4 23.2.2 provides the following updates and enhancements:

• Updated Issue resolutions for various customers.

The VBS4 23.2.2 update is a cumulative patch that includes General and Customer updates from the 23.2.1 through 23.2.2 updates.

1.1.1 Updates and Enhancements 23.2.1

VBS4 23.2.1 provides the following updates and enhancements:

• Updated Issue resolutions for various customers.

1.2 Product Maintenance 23.2.2

VBS4 23.2.2 resolves the following issues:

Issue Key	Summary	NetSuite Case
CONTENT-6851 T3S-3274	Missing reticle in vehicles and static weapons	93561
CORE-2427	CTD when closing VBS from FDC	
CORE-2357	VBS4 Crashes after closing exercises as CV9040 Gunner	93198
CORE-2312	CV9040 Snow issues - dead crew, roof flip, and more	
CT-6912	Flood of asserts in WorldAdaptors.cpp - VBS part	
CT-6893	CTD in UsesAmmo (const MuzzleType &) after BS start with CAI units	
IGP-7262	Video Streaming no longer functions on start-up	
IGP-7172	Unhandled exception if VBS4 Host network port is in use	
T3S-3018	Estimate G-Generic Civilian\Fireman man to use the CBRN equipment with functionality from the US USMC Woodland\CBRN Unit – Type 2	85248
VB-10447	Live Content CTD	
VB-10341	Live loading leaves behind sqllite in LiveContent folder when multiple sqllites are pasted	
XR-293	Fix AAR Streaming	
XR-287	Troubleshoot STANAG 4609 issues in VideoStreaming component	

VBS4 23.2.2 is a cumulative patch and includes maintenance and updates from the 23.2.1 through 23.2.2 updates.

1.2.1 Product Maintenance 23.2.1

VBS4 23.2.1 resolves the following issues:

Issue Key	Summary	NetSuite Case
CORE-2130	CTD after closing VBS4 from 3D RTE during the mission.	
CORE-2168	Silent CTD on VBS close.	
CORE-2186	Destroyed vehicles local to the server are blinking in TI.	
CORE-2261	Optimization Memory Tick.	
CORE-2262	Destroyed vehicles sometimes not cut out of navmesh.	
T3S-3087	AAR keeps last state of buildings.	86949
T3S-3111	Flickering terrain and textures using UAV camera.	88225
T3S-3124	Geometry issue with Gleno bridge.	88473
T3S-3256	GB Warrior sights not functioning.	92516
T3S-3264	Jackal sights not working correctly.	92852
TD-682	AAR Streaming does not work.	
TM-287	CAS flightpaths visible to users.	
TM-296	Cannot get in HMMWV when 3 units are inside.	
TM-308	Script Error SetSnowHeight when executing mission with snow created through Save from RTE/AAR.	
TN-2559	Saving mission with snow from OME after preview creates huge SNOWDEFORM file in mission folder.	
TN-2561	CTD on Trainee JIP when higher echelon is in scenario.	
TP-259	Improve handling of dead / deleted groups for Sync waypoints.	
TP-278	Create chain lookup for CAI waypoints.	
TP-279	First waypoint becomes unlinked when connected to trigger.	
TP-281	Waypoint (WP) syncing feature prevents WP chain merging.	
TP-282	Waypoints sometimes become unlinked when using syncs.	
TZ-4637	SPIKE - Digital zoom is disabled upon switching from Seeker to CLU.	
VB-10233	DX11 CTD - VBSBlue.dll!DX11::RawSurfaceDX11::Initialize (OceanModel::UpdateTextures error).	
VBSGEO-1694	Surface transition is tiled.	

Issue Key	Summary	NetSuite Case
VBSGEO-1850	Switching to GEO view disables AI debug.	
VBSGEO-1889	Geopackage gets locked.	
VBSGEO-1897	Unable to edit connected road in GEO.	
VBSGEO-1910	CTD Water Edit water flatten eye dropper tool.	
VBSGEO-1911	Water Bug Custom Flatten Eye Dropper tool is not functional.	
VBSGEO-1914	Geo/Vector editor Original road duplicates edited one.	

1.3 Updating VBS4 Clients to 23.2.2

Bohemia Interactive Simulations provides an Updater Tool with VBS4 to support updates to VBS4.

Updates to VBS4 23.2.2 require an existing installation of VBS4 23.2.0 or later.

If you have not already installed VBS4 23.2.0 or later, please perform a full installation of that major version including the required update.

For more information, see Installing VBS4 (on the next page).

The updates are available for direct download using links provided in an email from Bohemia Interactive Simulations Customer Support or through VBS License Manager.

This update consists of the following packages:

• A general update for all customers containing issue fixes.

VBS4.Update.Core.2024xxxx.23_2_2_xxx.zip

Specific updates for the specified *Customer_Key* containing issue fixes.
VBS4.Update.Specific.2024xxxx.23 2 2 xxx.Customer Key.zip

To download the update from a Support Email:

· Click the download links provided in the email.

The files download to your default Windows \Downloads \ location.

All downloads must be in the same folder when you run the VBS4 installer or updater.

Once you have the update packages, use the Updater Tool to deploy the update to your VBS4 installation.

Follow these steps:

1. From your existing VBS4 installation folder run the Updater Tool:

\VBS_Installation\Updater.exe

- 2. Specify the folder containing the update .zip files.
- 3. Click Install.

Your installation of VBS4 updates with the changes for VBS4 23.2.2.

Repeat this process on all other VBS4 computers by copying the downloads to the other VBS4 computers and run the Updater Tool on each computer.

2. Installing VBS4

After you Download VBS4, the VBS4 installer, and the selected download packages, are available in the selected download folder.

Install VBS4 on every client computer, ensuring that they meet the System Requirements.

VBS4 and VBS World Server installations must be the same major version (e.g., 21.1.x) to ensure full compatibility.

Copy the downloaded VBS4 folder containing the VBS4 installer and the download packages to the required computer and run the installer:

VBS4.Core.InstallerX64.version.exe



Installation requires Windows Administrator privileges.

The VBS4 installer starts and leads you through the following installation process:

Follow these steps:

1. Select your Language

Select the language to use during installation and click OK.

B NOTE

The language selection only applies to the installer process and does not affect the VBS4 installation.

2. Welcome Screen

Review the version of VBS4 and click **Next** to continue.

3. License Agreement

Review the license agreement, and click I Agree.

4. Choose Components

Select which components to deploy, and then click Next:

- Core is mandatory and pre-selected.
- **Terrain_Inset** selections are optional and deploy highly detailed terrains for the specified locations.
- Your License Key encoded package is mandatory and pre-selected (for example, YYMEA).
- Select from the set of Additional Options:
 - Select Verify Checksum to validate the download packages prior to installation.
 - Select Start Menu Shortcuts to add VBS4 to your Start Menu list.
 - Select **Desktop Shortcuts** to add a VBS4 shortcut to your desktop.
 - Select Firewall Exceptions to add VBS4 to your list of permitted software in the Windows Firewall rules.
 - Select Installing Drivers to run the driver installation process as part of the VBS4 installation.

5. Choose Install Location

Input or click Browse to select an installation folder, and then click Next.

NOTE

Select a location on an SSD drive that meets the System Requirements.

WARNING

The installation path can only contain printable <u>ASCII</u> (https://www.w3schools.com/charsets/ref_html_ascii.asp) characters. VBS4 does not start if it is installed to a path containing characters outside this range.

6. Choose Start Menu Folder

If you selected the additional **Start Menu Shortcuts**, input a name and optionally select an existing Start Menu item to place it in

Click Install to start the installation process.

The installer deploys VBS4 to the specified installation folder. This documentation refers to the folder as \VBS_Installation\.

When installation completes, select from the following options, and click OK:

• Open the Installation Folder

View the content of the \VBS_Installation \ folder in Windows File Explorer.

Click **Finish** to close the installer.

VBS4 is ready to start. For more information, see Starting VBS4 in the VBS4 Deployment Guide.

If you want to install World Data to your offline VBS4 installation, follow the instructions in Installing World Data in the VBS World Server Manual.

2.1 Silent Installation

You can install in Silent Mode, with default options from a command line using the /S switch, and any of the following additional switches (required switches are in bold):

Installation Switch	Description
/S	Silent / unattended installation.
/INST=	Specify the installation directory.
/NOSM	Do not create Start Menu shortcuts.
/NOFIREWEX	Do not create firewall exceptions.
/NODESK	Do not create desktop shortcuts.
/NOCRC	Do not perform an MD5 check of the installation packages.

EXAMPLE

To install VBS4 to a local C:\VBS4_20.1\ folder with no Start Menu shortcuts:

VBS4.Core.InstallerX64_20.1.0_b8.exe /S /INST=C:\VBS4_20.1 /NOSM

3. Installing VBS World Server

Before getting started:

- If you are installing VBS World Server for the first time, continue to Installing the VBS World Server (below).
- If you are updating VBS World Server from a previous version, follow the instructions in Installing a Newer VBS World Server Version (on page 16).

After you Download VBS4, the VBS World Server installer and the selected download packages are available in the selected download folder.



VBS4 and VBS World Server installations must be the same major version (e.g., 21.1.x) to ensure full compatibility.

3.1 Installing the VBS World Server

Install VBS World Server on a computer meeting the.

NOTE

VBS4 and VBS World Server installers must be in the same directory for the VBS World Server installer to automatically detect and install VBS4 in the correct location.

A WARNING

The VBS4 installed by the VBS World Server installer is used by the server and should not be used as a VBS4 client. Download and install VBS4 Clients on separate computers.

Copy the downloaded folder containing the VBS World Server installer and the download packages to the required computer and run the installer:

VBS_World_Server.Core.InstallerX64.version.exe

The VBS World Server installer starts and leads you through the following installation process:

WARNING

Installation requires Windows Administrator privileges.

Select the Installer language to use and click OK.

B NOTE

Language selection only applies to the installer and does not affect the VBS World Server installation.

2. Welcome Panel

Review the version of VBS World Server and click **Next** to continue.

3. License Agreement

Review the license agreement, and click I Agree.

4. Choose Components

Select which components to install, and then click Next:

- The Core package is mandatory and pre-selected.
- Your License Key encoded package is mandatory and pre-selected (for example, YYMEA).
- Geolocation Lookup Service is an optional package for location search services.
- Select Start Menu Shortcuts to add VBS World Server to your Start Menu list.
- Select Desktop Shortcuts to add VBS World Server shortcuts to your desktop.
- Select Verify Checksum to validate the download packages prior to installation.
- Select **VBS4 Server** to silently install VBS4 as a Dedicated Server for Scenario Execution.
- Select Installing Drivers to run install drivers process during VBS World Server installation.

5. Choose Install Location

Input or click Browse to select an installation folder, and then click Next.

Select a location on an SSD drive that meets the that is as close to the drive root folder as possible.

The installation path can only contain printable <u>ASCII</u> (https://www.w3schools.com/charsets/ref_html_ascii.asp) characters. VBS World Server does not start if installed to a path with characters outside this range.

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6. Choose Start Menu Folder

Input a name and optionally select an existing start menu item to place it in.

Click Install to start the installation process.

VBS World Server installs to the selected folder and, if selected, silently installs VBS4 to:

\WS_Installation\Services\VBS4\

This documentation refers to the VBS World Server installation folder as <u>WS_InstalLation</u>. When installation completes, select from the following options:

• Open the Installation Folder

View the content of the \WS_Installation\ folder.

Click Finish to close the installer.

After installation, run the following executable to finalize the VBS World Server configuration:

Run \WS_Installation\vws_configure.exe

B NOTE

The vws_configure.exe must be run following the initial installation in order to start using the VBS World Server. For more information about the executable and its functions, see Managing VBS World Server.

VBS World Server is ready to start. For more information, see Managing VBS World Server.

If you wish to install World Data to your offline VBS4 installation, follow the instructions in Installing World Data.

3.2 Installing a Newer VBS World Server Version

If you have an older version of the VBS World Server installed on your computer (for example, 20.1.x) and you wish to install and newer version (for example, 21.1.x), you must manually back up any user data that you wish to carry over to the new version. Otherwise, this user data will be deleted when you perform the update.

3.3 Migrating Data to a New VBS World Server Version

To back up your user-generated data (such as Battlespaces and VBS4 inset data) and any installed World Data packages, follow these steps:

1. Create a New Folder

Separate from the VBS World Server installation, create a new folder to act as a repository (for example, D: \Backup).

2. Move User Data

Cut the following folders from the VBS World Server installation:

- \WS_Installation\data\Battlespaces\
- \WS_Installation\Services\VBS4\myData\

If World Data is installed, cut these folders as well:

- \WS_Installation\Services\VBS4\data\BlueBase\earth\Global_Geometry\
- \WS_Installation\Services\VBS4\data\BlueBase\earth\Global_Roads\
- \WS_Installation\Services\VBS4\data\BlueBase\earth\Global_Veg_Removal\

Once all desired user data has been archived, you must uninstall all older versions of the VBS World Server prior to updating to the newer version.

3. Uninstall the Older Version

Uninstall the older version of the VBS World Server. For more information, see Uninstalling VBS World Server.

4. Install VBS World Server

Install the new version of the VBS World Server by following the instructions in the Installing the VBS World Server (on page 14).

5. Run the Stop Executable

After installing the new version of the VBS World Server, stop the service before restoring the user data.

• Run \WS_Installation\vws_stop.exe

6. Delete the VBS World Server Cache

Delete the VBS World Server Cache folder at the following location:

• \WS_Installation\Services\VBS4\cache\

7. Restore User Data

After VBS World Server has been installed, manually restore the archived data by cutting it from the backup repository folder made in **Step 2: Move User Data** to the following locations in the new installation.

- \WS_Installation\data\Battlespaces\
- \WS_Installation\Services\VBS4\myData\
- \WS_Installation\Services\VBS4\data\BlueBase\earth\Global_Geometry\
- \WS_Installation\Services\VBS4\data\BlueBase\earth\Global_Roads\
- \WS_Installation\Services\VBS4\data\BlueBase\earth\Global_Veg_Removal\

8. Run the Start Executable

After restoring user data, run the following executable to finalize the VBS World Server upgrade:

• Run \WS_Installation\vws_start.exe