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Release Notes
BVMS 12.0.1 Updates SystemManager package

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1 Document History

This document is distributed online and updated on regular basis, whenever new patches are released and added to the package. The latest version of this document is always available on the [Bosch Security and Safety Systems Download Store](#).

Date	Version	Changes
19.01.2024	1.0	Initial release

2 BVMS 12.0.1 Patches System Manager package

DIVAR IP System Manager application is the central user interface that offers an easy system setup, configuration and application software upgrade for DIVAR IP all-in-one 4000, DIVAR IP all-in-one 6000 and DIVAR IP all-in-one 7000 (DIP-73xx) systems.

The BVMS_12.0.1_Patches_SystemManager_package_1.0.zip contains a set of BVMS 12.0.1 patch installers software packages for the DIVAR IP System Manager application. It is used to install patches for BVMS 12.0.1 on the DIVAR IP appliances managed by the DIVAR IP System Manager.

2.1 Installation prerequisites and operation notes

- DIVAR IP System Manager application **version 2.1.0** or higher shall be installed and started.
- To download the BVMS 12.0.1 Patches System Manager package 1.0, go to <https://downloadstore.boschsecurity.com/>. Then, under the Software tab, select BVMS Appliances from the list and click Select.
- Locate the BVMS_12.0.1_Patches_SystemManager_package_1.0.zip file from the list of all available software packages, and save it to a storage medium such as a USB stick.
- Unzip the files on the storage medium. Do not change the folder structure of the unzipped files.
- Connect the storage medium to your DIVAR IP system and follow instructions in the Upgrading software section of, for example, DIVAR IP all-in-one 4000 / 6000 systems User Manuals to install desired BVMS patches on your DIVAR IP.

2.2 List of BVMS 12.0.1 patches available in the package

ID	Description
428234	FIXED: OC crash transcoding stream
429121, 418648, 425002	FIXED: FW8.90 improvements, capabilities not up to date or devices could not be added or red
434853, 434801	FIXED: Licensing and CentralServer improvements
419002	FIXED: Security Issue

2.3 Known limitations and issues

- DIVAR IP System Manager application version 2.1.0 or above must be installed before using the BVMS 12.0.1 Patches System Manager package.
- If DIVAR IP System Manager application version 1.5.0 is used, it may become non-responsive while updating the user interface data, if many packages are installed. To avoid this, make sure you update DIVAR IP System Manager application to version 2.1.0 or above. Please see corresponding release notes for this application.

3 Release Notes for individual patches

3.1 428234 - OC crash transcoding stream

Patch ID:	428234
Patch Title:	OC crash transcoding stream
Patch Target Version:	BVMS-12.0.1.375

Patch Details:

This patch fixes issue 428234 preventing the Operator Client to crash.

Problem Details:

Issue 428234 caused the problem that the Operator Client crashes when changing the stream to Transcoder.

Affected Bosch VMS Components / Machines:

- Bosch VMS Operator Client
- Bosch VMS Config Client
- Bosch VMS Management Server

List of Replaced Files:

- GCA2.dll [Version 6.30.9.29441]

3.2 429121, 418648, 425002 - FW8.90 improvements, capabilities not up to date or devices could not be added or red

Patch ID:	429121, 418648, 425002
Patch Title:	FW8.90 improvements, capabilities not up to date or devices could not be added or red
Patch Target Version:	BVMS-12.0.1.375

Patch Details:

This patch fixes issue 437547 by preventing the Configuration Client to crash during an onvif device scan.

This patch fixes issue 429121 (including 428843, 429118, 429121, 429283, 432574 and 432588) by improving the Config Client and Config Wizard in the area of FW 8.90.

This patch fixes issue 418648 by correcting the calculation of whether the capabilities of an encoder are the same.

This patch fixes issue 425002 by updating encoder capabilities correctly when camera sensor mode (frame rate) changed.

This patch fixes issue 433376 by discovering the type of a camera correctly.

This patch fixes issue 433383 by updating the device capabilities correctly, when adding via Config Wizard.

Problem Details:

Issue 437547 caused the problem that the Configuration Client may crash during an onvif device scan.

Issue 429121 (including 428843, 429118, 429121, 429283, 432574 and 432588) caused several problems related to FW 8.90 when trying to add and authenticate these devices.

Issue 418648 caused the problem that the update of device capabilities always generated a mismatch when older encoders (e.g. Autodome 700) were replaced by newer multi-sensor encoder, although update was executed.

Remark: If old device was using the codec "H.264 MP (Low Latency)" the codec of the new camera will not be updated in the UI in the Cameras&Recording tab. Neither the less the configuration is done correctly. To avoid this delete the old camera and add new camera from scratch.

Issue 425002 caused the problem that the device capabilities are not up to date after changing the sensor mode settings in Config Client.

Issue 433376 caused the problem that the type of a camera is not discovered, if the camera was added via scan and requires an initial password.

Issue 433383 caused the problem that the device capabilities are not up to date after adding devices via Config Wizard.

Affected Bosch VMS Components / Machines:

- Bosch VMS Config Client
- Bosch VMS Config Wizard

List of Replaced Files:

- AppData\Client\Shared\Spring.Maps.xml
- Bosch.Cctv.VideoApi.dll [Version 12.0.1.388]
- Bosch.Vms.Client.ConfigClient.AddEncoder.dll [Version 12.0.1.388]
- Bosch.Vms.Client.ConfigClient.ScanWizard.Imp.dll [Version 12.0.1.388]
- Bosch.Vms.Config.DeviceStatePinger.dll [Version 12.0.1.388]
- Bosch.Vms.Config.DeviceTree.Extension.AMG.dll [Version 12.0.1.388]
- Bosch.Vms.Config.DeviceTree.Extension.OnvifExtensions.dll [Version 12.0.1.388]
- Bosch.Vms.Config.DeviceTree.Extension.VrmExtensions.dll [Version 12.0.1.388]
- Bosch.Vms.Config.RecordingSettingConfig.dll [Version 12.0.1.388]
- Bosch.Vms.ConfigWizard.ConfigWizardApp.DeviceData.dll [Version 12.0.1.388]
- Bosch.Vms.ConfigWizard.Pages.DevicePasswords.dll [Version 12.0.1.388]
- Bosch.Vms.ConfigWizard.Pages.DeviceSelection.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.ConfigClient.Common.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.ConfigClient.Common.If.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.ConfigClient.Common.Wpf.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.Shared.ConfigurationApi.If.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.Shared.Controls.MapControl.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.Shared.Controls.MapControl.If.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.Shared.RcppCapabilities.dll [Version 12.0.1.388]
- Bosch.Vms.Frontend.Shared.RcppCapabilities.Imp.dll [Version 12.0.1.388]
- Bosch.Vms.Shared.VideoApi.Support.dll [Version 12.0.1.388]
- ObjectRepository.Packages.Core.dll [Version 12.0.1.388]

3.3 434853, 434801 - Licensing and CentralServer improvements

Patch ID:	434853, 434801
Patch Title:	Licensing and CentralServer improvements
Patch Target Version:	BVMS-12.0.1.375

Patch Details:

This patch fixes issue 434853 by solving the problem that the Central Server do not start after renaming the BVMS configuration file.

This patch fixes issue 434801 by solving a licensing problem.

Problem Details:

Issue 434853 caused the problem that the Central Server do not start after renaming the BVMS configuration file.

Issue 434801 caused the problem that the Systeminfo.json file cannot be downloaded, which leads to a licensing error.

Affected Bosch VMS Components / Machines:

- Bosch VMS Config Client
- Bosch VMS Config Wizard

List of Replaced Files:

- Bosch.Utilities.dll [Version 12.0.1.383]

3.4 419002 - Security Issue

Patch ID:	419002
Patch Title:	Security Issue
Patch Target Version:	BVMS-12.0.1.375

Patch Details:

This patch fixes issue 419002, preventing security issues.

CVE identification numbers:

CVE-2021-3449
 CVE-2021-23841
 CVE-2020-1971
 CVE-2021-4160
 CVE-2021-23840
 CVE-2022-0778
 CVE-2022-2097
 CVE-2021-3712
 CVE-2021-3711
 CVE-2022-2068
 CVE-2022-1292
 CVE-2023-0465
 CVE-2023-0466
 CVE-2023-3817
 CVE-2022-4304
 CVE-2023-2650
 CVE-2023-0286
 CVE-2023-0464
 CVE-2022-4450
 CVE-2023-0215
 CVE-2023-4807

Problem Details:

Issue 419002 caused a security problem via a vulnerability.

Affected Bosch VMS Components / Machines:

- Bosch VMS Management Server

List of Replaced Files:

- Bosch.VMS.Backend.DeviceAdapter.TattileAdapter.dll [Version 12.0.1.391]
- libcrypto-3-x64.dll [Version 3.0.11.0] exchanges former libcrypto-1_1-x64.dll
- libssl-3-x64.dll [Version 3.0.11.0] exchanges former libssl-1_1-x64.dll
- ntcp.dll [Version 2.2.0.0]
- ntcpdk.NET.dll [Version 2.2.0.0]
- licenses\opensource\OpenSourceLicenses.txt
- licenses\opensource\component_licenses\tattile_open_source_licenses.txt