VisuNet RM Shell 6 LTSC 2021

Upgrade-Package

Manual





Your automation, our passion.

With regard to the supply of products, the current issue of the following document is applicable: The General Terms of Delivery for Products and Services of the Electrical Industry, published by the Central Association of the Electrical Industry (Zentralverband Elektrotechnik und Elektroindustrie (ZVEI) e.V.) in its most recent version as well as the supplementary clause: "Expanded reservation of proprietorship"

Worldwide

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1 History of the Manual

The following editions of the manual have been released:

Version	Comments
07/2023	First edition
08//2023	Second edition: Update of contact information



2 Upgrade Instructions

Thank you for choosing the Pepperl+Fuchs upgrade kit to VisuNet RM Shell 6 LTSC 2021. With this upgrade package you receive the right to upgrade your Pepperl+Fuchs HMI devices from VisuNet RM Shell 5 LTSB 2016 or VisuNet RM Shell 5 (based on Microsoft® Windows® 10 IoT Enterprise LTSC 2019) to VisuNet RM Shell 6 (based on Microsoft® Windows® 10 IoT Enterprise LTSC 2021).

Attached to this Quick install guide you received a "Certificate of Authenticity" (CoA). This CoA grants you the right to install the VisuNet RM Shell 6 image on as much VisuNet Remote Monitors and BTCs as you have received Microsoft® License adhesive labels.

To ensure a proper assignment of licenses to devices, document to which device a license is assigned by writing the devices serial number on the CoA sheet in the respective field.

DISCLAIMER

This software is subject to the terms and conditions of the accompanying End-User License Terms. This software is provided only for use with, and for licensed End User of, the Pepperl+Fuchs VisuNet Remote Monitors and Box Thin Clients. Any other use of this software is strictly prohibited and may subject you to legal action. You are only eligible to install the images on Pepperl+Fuchs devices for which you have bought a corresponding upgrade license from Pepperl+Fuchs.

The software upgrade is non-returnable and non-refundable. Contact your local Pepperl+Fuchs sales representative if you have open questions.



3 **Pre-Conditions**

Compatible Device and Image List

The Pepperl+Fuchs VisuNet RM Shell 6 (based on Microsoft® Windows® 10 IoT Enterprise LTSC 2021) upgrade package is qualified and compatible with following devices that come with preinstalled **VisuNet RM Shell 5**:

Image Mapping

Device Family	Type code	Source Image	Target Image			
VisuNet RM Shell 5 (based on Windows® 10 LTSB 2016)						
BTC12	BTC12-*-TS2	18-33582	18-34755			
BTC14	BTC14-*-TS2	18-33834	18-34756			

Image Mapping

Device Family	Type code	Source Image	Target Image			
VisuNet RM Shell 5 (based on Windows® 10 LTSC 2019)						
BTC12	BTC12-*-TS3	18-34076	18-34755			
BTC14	BTC14-*-TS3	18-34191	18-34756			
BPC3200	BPC3200-*-*-2NN-*	18-34093	18-34757			
VisuNet FLX	RM-320-*-2-*-* RM-EDGE-*-2-*-*	18-34093	18-34757			
VisuNet GXP AL	RM-GXP1100-*-T3-* RM-GXP1200-*-T3-* TCU1100-*-TS3-* TCU1200-*-TS3-*	18-34023	18-34754			



Note

If you have a device or image that is not listed, contact your local Pepperl+Fuchs sales representative to check for individual device compatibility.





Factory Reset 6 (and newer)

The provided images are packaged in an encrypted container format that can be read out with Pepperl+Fuchs Factory Reset 6 and newer.



4

Warning!

Please check if you have Factory Reset 6.x installed on your device (See either Software Information in "About App" (1) or "Device Info" in your factory reset menu (2)).



Procedure

1. Click "About App".

Setting	S		
HMI-PMSF	HELL6		
ing and the second	0.00710+		
About	7/24/2023 12:54:22 PM		
System Tools	Wedge		

Figure 4.1 Open the About App.→ In the Software Information you find the installed Factory Reset version.

← About		
Pepperl+Fuchs SE DRDC Information	Software Information Information about the RM Shell and the operating system	
Hardware information Licenses - Terms of use Software Information	Software	
	RM Shell	403.0004-declar
	RM Shell Backend Service	403.000+danlar
	License Information	Padaras, BRODana, COlena
	RM Shell Image	15-347554
	Factory Reset Environment	6.2.0.327
	Operating system	Marsoch Mindows 18 Iail Enterprise U.S.C
	Release Identification	2000
	.NET framework	4.8 or later
	Internet Explorer	11.788/1001.0
	Network Time (NTP) Service	Windows Tirst (W12Tirst)
	VisuNetCC Service Version	34

Figure 4.2 In the Software Information you find the installed Factory Reset version.



5 Device Info

This submenu provides information on the Factory Reset Version, Device Description, Installed Image, Compatible Images, the Partitions and the Licenses.

The information is useful when updating the firmware or may be necessary for technical support.

RM Shell Factory Reset	^툴 PEPPERL+FU	CHS
	Device Info	
🗱 Image Management	Get all available device information.	
品 Network Settings	Factory Reset Version 6.2.0.327	
A Change Password	Device Description	
Device Info	Reliese interferences in the second sec	
	Compatible Images	
	Partitions	
	Index freque Different	
	Tarlos, risad for their fully fill.	
	Licenses • Devexpress	
	➤ Diskutil	
	✓ Log4Net	
	▼ MathAppsMetro	-

Figure 5.1 In the Device Info tab you can also find information regarding the installed Factory Reset version.

Note

If you must update your Factory Reset, refer to the Pepperl+Fuchs website .

6 Access RM Shell 6 Upgrade Images

The VisuNet RM Shell 6 upgrade images are provided as download via the Pepperl+Fuchs file sharing platform "pffiler". This platform can be accessed under the URL: https://pffiler.pepperl-fuchs.com/

To access the platform, you need a user account.

Create User Account (Optional)

If you do not have a user account for Pepperl+Fuchs pffiler service, request a new user account.

Visit following website and enter your contact details: https://pffiler.pepperlfuchs.com/page/register

Following details are needed:
First Name: e.g. John
Last Name: e.g. Doe
Email Address: e.g. john@doe.com
Email of your contact person: (See below)
Depending on your region, choose: North / South America: asevera@us.pepperl-fuchs.com Europe: gts_pa@de.pepperl-fuchs.com Asia / Pacific: kwai@sg.pepperl-fuchs.com
0 x The Exchange Platform x +
https://pffiler.pepperl-fuchs.com/page/register#/input

https://pffiler.pepperl-fuchs.com/page/register#/in		
E PEPPERL+FUCHS	Register Login	
Registra	ON Get started with your emain	ail & your cor
Please provide yo	personal data and the email of your contac	ct person that will
First name:	▲	
Last name:	A	
Email:	▲	
Email of your contact per		
Must be a @*.peppe your registration.	ichs.com, @vmt-gmbh.com, @vmt-systems.com,	, @neoception.de or
	Signup	
	Cignop	

Figure 6.1 Provide your personal data on the registration page.

You are automatically informed via email, when your user account is created and you have the permissions to access the files. When you log in for the first time, change your personal account password.



Get Access to Images

If you already have a Pepperl+Fuchs pffiler account, you can request access to the images. Use the contact form online and provide the following information to receive access to the pffiler and images:

Title* First Narme* Last Narme* Last Narme* Company Company Department Function Telephone* Street/P'O Box* Zip/Postal Code* City*
First Name* Last Name* Email Address* Company Department Function Telephone Street/P-O Box* Zip/Postal Code* City*
Last Name* Email Address* Company Department Function Telephone Telephone* Street/P-O Box* Zip/Postal Code* City*
Email Address* Company Department Function Telephone Telephone* Street/PO Box* Zp/Postal Code* CRy*
Company Department Function Telephone Street/PO Box Zip/Postal Code City*
Department Function Telephone Street/P-O Box* Zip/Postal Code* City*
Function Telephone Street/PO Box Zip/Postal Code* City*
Function Telephone Telephone* Street/PO Box* Zip/Postal Code* City*
Telephone Telephone* Street/PQ Box* Zip/Postal Code* City*
Street/PO Box* Zip/Postal Code* City*
Zip/Postal Code* City*
City*
Country*
Comments
Device Information *
Product Type Code*
Current Device Image*
Serial Number*
Order Number VisuNet RM Shell 6 2021 LTSC Upgrade-Package*
•
I consent to having my personal data (email address, gender, first and last name) stored and processed according to the data protection notice.
Submit
* mandatory fields
* If you have multiple devices installed with different images, please copy the device information fields and fill them out for each individual image.

Figure 6.2

The contact form is forwarded to the sales support depending on your region.

- 1. Europe: gts_pa@de.pepperl-fuchs.com
- 2. North & South America: asevera@us.pepperl-fuchs.com
- 3. Asia Pacific: kwai@sg.pepperl-fuchs.com

i

Note

If you want to execute multiple upgrades on different type of devices (e.g. BTC12 and VisuNet GXP), provide the device information of each device type to get access to the compatible images.

Use the "Add Entry" function to add further devices.

vice Information *	0
roduct Type Code*	
urrent Device Image*	
erial Number*	
rder Number VisuNet RM Shell 6 2021 LTSC Upgrade-Package*	
	0
I consent to having my personal data (email address, gender, first and last name) stored and processed according to the <u>data protection notice</u> .*	
s	ubmit

Figure 6.3

Where to Find the Relevant Data:

Product Type Code:

Either check your order of your device or get the product type code from the product label.

68307 Mannheim, Germany	€€⊠∆
BTC12N-GP-TS2-DP-N0 Part No.: 548302 16-28V DC == (2-1A) This device complies with part 15 of the FCC Rules.	
Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.	

Figure 6.4 Label sample





Current Device Image:

Refer to the Introduction VisuNet RM Shell Factory Reset to get all your relevant information:



Figure 6.5

Order Number 2021 LTSC Upgrade-Package:

Add your Pepperl+Fuchs order number of the purchased VisuNet RM Shell 6 2021 LTSC Upgrade-Packages you have bought. You find the order number on your invoice. It is mandatory to enter your order number to get access to the Pepperl+Fuchs images.

7

Downloading and Unpackaging the RM Shell Image

>

Download

1. Log in with your user account credentials into your pffiler account.

\leftrightarrow \rightarrow C $\stackrel{\texttt{a}}{}$ pffiler.pepperl-fuchs.com/page/	
	EPEPPERL+FUCHS Register Login
	Login Login to file exchange platform
	Username: Username
	Password: Password
	Login
	No Account? Register here Password forgotten? Reset here
	To have your account deleted from this platform, please send an email to revoke@de.pepperl-fuchs.com

Figure 7.1 Log in to file exchange platform

- 2. After you are logged into your user account you find under the "My File Collections" page the folder with the **VisuNet RM Shell 6 2021 LTSC Upgrade-Package** image which you requested for your Pepperl+Fuchs hardware (e.g. BTC12, VisuNet GXP). Enter the folder.
- **3.** If you have requested images for multiple hardware devices, you will find sub folders within the folder for each individual hardware platform. Enter the respective subfolder to access the split image files.
- 4. When you have entered the sub folder, you find a list of files. Those files represent a selfextracting split ZIP file that comprises the RM image (*.pfimage) for the individual device.
- 5. Find detailed information on the individual images by opening the Readme txt data.
- 6. Download all files by clicking on "Download" for each file.

i

Due to large file size of the image (~4-6 GB), the files are split in smaller files for the download process. The exe re-assembles individual packages then into one image again.

Note

i

Note

By downloading the images, you accept the Pepperl+Fuchs and Microsoft® license agreement that you find in the appendix of this document.





Unpacking Files

- 1. When all files are downloaded, start the Pepperl+Fuchs Image Merger by clicking the .exe file. Make sure that the names of the saved files are identical to the individual file names within the pffiler.
- 2. The Pepperl+Fuchs Imager Merger extracts the correct image file (*.pfimage) and verifies that the files are not corrupted.
- This file can now be installed onto a VisuNet Remote Monitor / Box Thin Client by using a USB memory stick or via shared network folder. The respective steps are described in the next chapter.



Note

Download from pffiler/Intranet can quickly lead to corrupted files, in this case a corresponding message would pop up. Then download the corrupted file again.

P+F Image Merger	-	×
Pepperl+Fuchs Image Merger		
Error occured and some file are broken!		
Loading 1834309 (1).md5 Fatal error occured! Could not find file 'C:\Share\1834309\1834309 (1).md5'.		

Close Figure 7.2 Sample Pepperl+Fuchs Image Merger Error Message.

8

Installing the Update

Note

It is mandatory that Factory Reset 6 is installed on your device to be able to perform the Upgrade to VisuNet RM Shell 6 based on Microsoft® Windows® LTSC 2021. Refer to chapter **Factory Reset 6** for detailed information on how to figure out which Factory Reset is installed on your device.

With Factory Reset Version No. 6.0 and newer, the image is no longer available locally on Partition D which increases the storage and speed.



Caution!

After applying the Pepperl+Fuchs image, the setup of the device must be performed locally!

The VisuNet RM Shell first start wizard guides you through the most important initial configuration steps. Refer to the First Start Wizard Chapter in the VisuNet RM Shell manual for further information.



Entering Factory Reset

Enter the Factory Reset via VisuNet RM Shell.

- **1.** From the main screen, change from the Operator View to the Configuration View by authenticating as an administrator.
- 2. Click on the power icon in the upper right corner.

EPPPERL+FUCHS			
Profiles	Apps	Settings	
Profiles Management	App Management	System Management	
	Process Explorer	HMI-PMSHELL6 Umi-IMI PMSHELL0PFUmi IP: 17224279 About 7/24/2023 1:36:09 PM	
		System Tools Wedge	

Figure 8.1

3. Click on Factory Reset.



4. Click on Yes to continue. After a restart, the system will now boot into the Factory Reset.



→ After a restart, the system will now boot into the Factory Reset.

Note

-

When you boot into the factory reset, all open profiles are closed.

9 Image Management

In this submenu you can manage the available upgrade packages for the VisuNet RM Shell 6.

Option 1: USB Memory Stick

Note

If you want to use a USB memory stick for the update procedure, ensure that the USB stick is formatted with "NTFS" file system and has a minimum size of 16 GB.

Procedure

1. Rescan for new drives to search for connected USB flash drives. USB flash-drives can directly be used to transfer images.



Figure 9.1 Manage the available Images in the "Image Management" tab.

2. Now you can import the VisuNet RM Shell 6 "*pfimage"-file from your USB-device.



Option 2: Network Shared Folder

To apply an image, select the network folder first. The image is applied on the RM/BTC from which the network is connected to.

/

Create a Network Shared Folder

1. For updating via Network you need a shared folder on a local PC from which you can then download the image. To do so, create a new folder on your PC. Then right click the folder and go to "Properties". In the "Properties" go to "Sharing" and click "Advanced Sharing".

General Sharing Security Previous Versions Customize Network File and Folder Sharing Share Shared Network Path: Share Share Share Share Share Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Image: Advanced Sharing Image: Advanced Sharing	General Sharing Security Previous Versions Customize Network File and Folder Sharing Share Share Shared Network Path: Share Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options.	General Sharing Security Previous Versions Customize Network File and Folder Sharing Share Share Share Shared Shared Network Path Share Share Share Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Image: Advanced Sharing Image: Advanced Sharing	Share	Properti	es			\times	
Network File and Folder Sharing Share Shared Network Path: Share Share Advanced Sharing Set custom pemissions, create multiple shares, and set other advanced sharing options.	Network File and Folder Sharing Share Shared Network Path: Share Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Advanced Sharing	Network File and Folder Sharing Share Shared Network Path: Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Image: Advanced Sharing	General	Sharing	Security	Previous Versions	Customize		
<u>Share</u> Advanced Sharing Set custom pemissions, create multiple shares, and set other advanced sharing options.	Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options.	Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options.	Netwo Netwo	ork File and Share Share ork Path:	d Folder Sh	haring			
			Advar Set ci advar	hare nced Shari ustom per nced shari A <u>d</u> vance	ng nissions, cr ng options. d Sharing	reate multiple shares,	, and set other		

Figure 9.2 Share Properties

2. In the "Advanced Sharing" options activate the "Share this folder" checkbox. You can select another name if you want to. Then click "Permissions" and select all checkboxes in the "Allow cloumn".

aroup or user names:			
Permissions for Everyone	Add	Remove	
Full Control Change Read			

Figure 9.3 Allow permission

3. As last step copy the ".*pfimage" image into the shared folder.





Apply the Image via Network

- 1. To apply the ".*pfimage" image via network to a Pepperl+Fuchs Remote Monitor or BTC, boot into the factory reset and open the Image Management.
- 2. Select the Network Share, which will be used to transfer the Images.

RM Shell Factory Reset	PEPPERL+FUCHS
	Image Management 🗱
🋱 Image Management	Manage the available firmware for the RM Shell
品 Network Settings	Available firmware
🔎 Change Password	Rescan Reload
Device Info	■ D\(Recovery) No firmware found.
⊕ ■	

Figure 9.4

Map your network folder here

3. Now enter the network path to your PC with the shared folder. The Path consists of the server address of the device you created the shared folder on and the name of the shared folder. You may must enter the local Username and Password that you use for login on the PC as well.

Map Remote Share		×
Server Address (\\server\share)		
\'share		
Username		
an/yihangal		
Password		
•••••		
	OK	Cancel

Figure 9.5

4. After pressing "OK", the VisuNet RM Shell 5 Upgrade file will be displayed.



5. If you have multiple images listed, choose the official Upgrade package image provided by your local Pepperl+Fuchs sales support.



Figure 9.6 Select the right image and click "apply"

6. Click "Apply" to apply the selected firmware.





Figure 9.8 Applying Image file

- 7. The Signature checks if file was really issued by Pepperl+Fuchs.
- 8. Furthermore the meta-information of the encrypted .*pfimage include descriptions and provide information about compatibility regarding the hardware devices.

	Image Compatibility
	The device does not support the image you want to apply. Do you want to continue?
	Yes No
Figure 9.9	Image Compatibility



Note

If the warning Image Compatibility appears, it is most likely that the wrong image is chosen. Double check your image selection. Refer to the Compatible device & image list.

The installation of the Upgrade can take up to 30 minutes.



Option 3: Install upgrade image via Control Center

Note

To upgrade the image via Control Center, please make sure that a valid Control Center license is assigned to the RM Shell 5 device. Please make sure to use the current Control Center version.



F

- 1. Create a Network Shared Folder
- 2. For updating via Network you need a shared folder on a local PC from which you can then download the image. To do so, create a new folder on your PC. Then right click the folder and go to "Properties". In the "Properties" go to "Sharing" and click "Advanced Sharing".

siale Properties
eral Sharing Security Previous Versions Customize
letwork File and Folder Sharing Share Shared Yetwork Path: Share Idvanced Sharing Set custom pemissions, create multiple shares, and set other advanced sharing options.

Figure 9.10 Share Properties

3. In the "Advanced Sharing" options activate the "Share this folder" checkbox. You can select another name if you want to. Then click "Permissions" and select all checkboxes in the "Allow cloumn".

Permissions for Share		×	
Share Permissions			
Everyone			
	Add	Remove	
Permissions for Everyone	Allow	Deny	
Full Control	\square		
Change			
Read	\bowtie		
OK	Cancel	Apply	

Figure 9.11 Allow permission

- 4. As last step copy the ".*pfimage" image into the shared folder.
- 5. Copy the upgrade Image to Network Shared folder.
- 6. Open Control Center and open the "Apply image" wizard.

		VisuNet CC - Project.pfcc6		– a ×
Hite Home Device	Change Windows Goor Password Witard Password Witard	te Diable Claurup There te Spload Diak Waad Waad Dence Backup Profile Ciple	yy Connect Discoverset Lifts Create Delete Profiles	^
Devices • Remote Monitors	💻 BTC14-Upgrade		± ± ₽	
Tort41 Upgande Tort41 Upgande Tort41 Upgande Tortes Devices Tortes Devices Other Devices Other Devices	Device Status Communication Status Communication Address Status Status Communication Address Senter Communication Address Senter Senter Version Info Senter Institute Version Info Senter Institute Senter Institute S	Device Settings	Session Shadowing	
	Profiles List			
	kon Profile Name - Host	Version Username	Status Dis Edit Aut Dol	
tion History				
nt Time + Action	Device Name Progress	Sonor	Message	
al Devices: 1 🖵 1 🐺 0 🐺 0 🐺 0				Project.pfcc6
gure 9.12				

2024-02



7. Follow the steps in the "Apply image" wizards.



Figure 9.13

	VisuNet CC - Project.pfcc6	- σ x
File Home Device		* * * + = holds: holds: holds:
Devices • Remote Monitors	Apply Image Wittane Veryot Davies Veryot Davies	
Dynamic Groups Offine Devices Online Devices	Cor Solid the devices that will perform the action. Cor Difference that will perform the action. Core Difference the main the action. Core Difference the action. Cor	
Cher Devices	Bit Decirption Find P Second P BAD-Mel Novin Bit If ICL4 ligges/s 1722/L55218 1722/L55218 1722/L55218 Control If ICL4 ligges/s 558.01381 If ICL4 ligges/s 558.01381 Prod If ICL4 ligges/s If ICL4 ligges/s If ICL4 ligges/s If ICL4 ligges/s 558.01381 Prod If ICL4 ligges/s	factory field Wood
Action History Start Time + Action	Device Name Progress Status	Clear 🔻
Total Devices: 1 🖵 1 🐺 0 🐺 0 🐺 0		Project.pfcc6 🔺 Administrator

Figure 9.14 Select target devices

8. Enter the user name and the corresponding password. Then chose the previously created folder as server path. In this case, the folder was named "share". Make sure to click on "Check Connection" to continue.

	VauNet CC - Project.pkc6	- a x
File Home Device Download Upday Fileware Comm. Input 101, Add. Champ Mind Devic Setting: Download Device Mind Address Addre	Image: Construction Construction Image: Construction Construction Image: Construction Construction Image: Construction Construction Image: Construction Ima	^
Instantia Monitors Instantia Monitors Optimise Critical Segment Other Devices Other Devices Other Devices Other Devices Process	Wear Tope Poiss Network Share Select Network Share Image: Select Network S	
Astion Hitton		Clear 💌
Saat Time + Action Device Nam	ne Progres (Salus Message	
Total Devices: 1 🖵 1 🐺 0 🐺 0 🐺 0	l Projec	.pfcc6 🛛 👗 Administrator

Figure 9.15

9. Click on "Autocomplete" to automatically select the image.

		Visu	Net CC - Project.pfcc6		- <i>s</i> ×
File Home Device Image: Committee Update Image: Co	Change Windows Clone Password Wizard Options • Shado	on Broadcast Disable Disable Disable Cleanup Wing Missage Touch Mouse Kryboard Didk Waard Device Commands	Deme Deme Deme Deme Paste Copy Moard Device Backup Profile Clipboa Profile Clipboa Profile Clipboa	Connect Disconnect Edit Create Delete Profiles	·
Devices			Apply Image		
Remote Monitors BTC14-Upgrade	Welcome Welcome Select Im	Target Devices	Network Share Summary		
Dynamic Groups Offline Devices Orline Devices Other Devices	Con Choose the images you Onlin Con Autocomplete BISI Autocomplete will selec Cur stored images, select	want to apply, t one compatible Image of the Network Share. If you have : expropriate one from the drop-down list.			
	Ope Pro Brailes donce and Assi 172 Info 1 655 1 Ven 5.60 Diar 2205	Independential on sy pressary the autors in the time con- Status Device Name BTC14-Upgyade	en.	Selected Image	
	Prot				+ 5. [64] A.C. [DC.]
				Back Next Cancel	
Action History Start Time + Action	Device Name	Progress	Status	Message	Clear 🔻
Total Devices: 1 🖵 1 🐺 0 🐺 0 🐺 0					Project.pfcc6

Figure 9.16





10. When clicking on the (i) under the info tab, more information can be displayed regarding (among other information) image type and compatible versions.



Figure 9.17

- **11.** The "Summary" section provides an overview of the image and server path that will be applied.
- **12.** Click on "Execute" to perform the upgrade.

	VouNet CC - Project.pfcdd	- a x
File Home Device		^
Download Updawd Updaw Waard Address Conflicter Logon Par Device Settinge Device Settinge Devices	Prove Originary	
Remote Monitors		
Dynamic Groups	De 🖉 Summary	
Online Devices	Conc Check the selected settings, before startings the capture/gaph process.	
Cther Devices	Device Name Stell Version Image Path Status Status Status Person For BITCH 4/papade Person Person Person Person Person	
	Ger Area Area Area Area Area Area Area Ar	
	Bot Broat Greet	
Action History		Clear 🔻
Start Time * Action Devic	Nane Propess Salas Mosage	
Total Devices: 1 🛛 🖵 1 🐺 0 🐺 0 🐺 0		Project.pfcc6

Figure 9.18 Summary

			VisuNet CC - Project.pfcc6			- σ ×
File Home Device Device Stepsy Device Stepsy Provide Water Address: Anter Provide Water Address: Anter Provide Water Address: Control Anter Provide Water Address: Control Anter Device Stepsy Device Stepsy Provide Water Address: Control Anter Device Stepsy Provide Water Address: Control Anter Provide Water Address: Control Address: C	Change Windows Choose Power Season Passimed Watard Options - Stadio M	n Roadcast Diado Diado Diado Device Commands Device Commands	ie Chring Time Apply Image Network Share	Ceptre Reptire Rouge Profile Cipboard Summary	× × × ×	^
Organic Groups Office Devices Office Devices Office Devices Office Devices Office Devices	Prof	intion	Suba of Runng	Moope See Auto fun Sope		-
Action History					• Finish	Chear 🔻
Start Time v Action	Device Name	Progress	Statu		Message	
077/6/2023 1147 Apply Image	BTC14-Upgrade		96 F	lunning	Start Auto Run Script	0.
Total Devices: 1 🖵 1 🐺 0 💭 0 💭 0						Project.pfcc6

Figure 9.19

Running upgrade process

	Vouhlet CC - Project.plcc6	– a ×
File Home Device	Process Wander Group Wander Gro	^
Devices • Remote Monitors	Area have X Image: Section States Area have Image: Section States Area have Image: Section States Area have	
BTC14-Upgrade Dynamic Groups Offline Devices	De Select Image to apply	
 Y Unline Devices Y Other Devices 	One Automptify Construction Automptify Bit Automptify Open	
	All Determined in the Production of Production of Productions	
	rzz emo jakos powcerwane - jakos minister jakosteta independence i seketeta independence i seketeta independence i jakosteta independence independence independence independence independence indepe	
	Prot	
Action History		Clear 🔻
Start line → Action	jewe felia Menop	Project.pfcc6 Administrator

Figure 9.20

The process has been successful



13. Wait until the image has been applied to the device.

							_	
			VisuNet CC - Project	plcc6			– a ×	
File Home Device Devicead Update Device Settings Device Settings Device Settings Device Mans Device Mans	Auto Change Windows Cone Logio Password Wikard Options Shadowi sprment	Broadcast Disable Disable D g Message Touch Mouse Ke Device Commands	isable Cleansup Theme bloard Disk Wizard Wizard	Paste Copy rd Image Wizard Pevice Backup	Connect Disconnect Edit Create Delete Profiles		Â	
Devices	A Apply Image 59 % - Step:	2/2) Apply Image					Ê	
Remote Monitors BTC14-Upgrade	📮 BTC14-Upgi	📮 BTC14-Upgrade						
Dynamic Groups Offline Devices Online Devices	Device Status O		Device Settings	*		F		
Chier Dovices	Communication Status Composition Address Efficiency and the status Common User Assigned Bhole Serial Number Vecision Info Disguestic Disguestic Status Profiles List	Communication Status Faitory hour Communication Address Contrast User Carrent User Sarial Number Version Info Diagnostic Bare Daynostic Itodu, Profiles List		Computer Nume East Synthesisted Date Lost Synthesisted Date Lossesse Colomo Lonce Desktop Sharing Fale				
	kon Profile Name	A Host	Version	Username	Status Dos., I	fðr Aut Del		
Action History							Clear 👻	
07/26/2023 11:51: Apply Image	BTC14-Upgrade	nogres		d ⁰ Running	Step: (2/2) Apply Image - Step Message: Est	timated time remaining: 5 minutes and 36 seconds	0.	
Total Devices: 1 🖓 0 🖷 1 📮 0 📮 0					, ang pang pang ang ang mang ang	Project.pfc	c6 Administrator	
Figure 9.21								

14. In the "Action History" below, you can see that the upgrade has been executed successfully.

		VisuNet CC - Project.pfcc6		- ø ×
File Home Device	Change Witchen Hermony Hermo	Composition Compositi	Convect Disconvect full for Constre Deleter Profiles	^
Devices • Renote Monitors • Office Outparket • Office Device • Office Device • Office Devices	BTC14-Upgrade Device Status Communication Advance Commu	Device Settings	L C	
Action History				Clear 🔻
SkutTime + Action 07/26/2023 11:51: Apply Image	Device Name Progress BIC14-Upgrade	Status ✓ Succes	Missage Action executed successfully,	<u> </u>
Total Devices: 1 🛛 🖵 0 🗮 0 💭 0 💭 1				Project.pfcc6 & Administrator

Figure 9.22

E.

10 Appendix

10.1 END-USER SOFTWARE LICENSE AGREEMENT (CALLED IN THE FOLLOWING "EULA")

IMPORTANT NOTE - READ CAREFULLY:

THIS END-USER SOFTWARE LICENSE AGREEMENT IS A LEGALLY BINDING AGREE-MENT BETWEEN YOU, AS A DESIGNATED USER OR AS A REPRESENTATIVE IN THE NAME OF A COMPANY OR AN ORGANIZATION, CALLED IN THE FOLLOWING THE "LICENSEE" AND THE PEPPERL+FUCHS SE, MANNHEIM, GERMANY CALLED IN THE FOLLOWING THE "LICENSER".

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11.2 The courts of Landgericht Mannheim, Germany, shall have sole jurisdiction of any controversies regarding this EULA. Any action or other proceeding which involves such a controversy shall be brought in those courts in Mannheim and not elsewhere.

12. Severability and inconsistencies

12.1 Should any provision of this EULA be determined to be overly broad, ambiguous or otherwise unenforceable, such provision shall be redrafted in order to narrow its scope to the extent necessary to make the provision reasonable and enforceable. If the scope of the provision cannot be narrowed to such an extent that the provision will become enforceable, such provision shall be severed from this EULA.

12.2 In all cases the remainder of the EULA shall continue in full force and effect.

12.3 In case the terms of this EULA are in conflict with the terms of Microsoft Software License terms, the terms of the latter shall prevail with regard to the Microsoft Software.

13. Alterations

Alterations and changes of as well as amendments to this EULA are only valid when they were made in writing and signed by both parties; this requirement of written form can be waived only in writing.

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