SIMOCRANE CMS V4.1 Hotfix 2

SIMOCRANE CMS

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Question

How to update CMS V4.1 or CMS V4.1 HF1 to CMS V4.1 HF2?

Answer

The instructions and notes listed in this document provide a detailed answer to this question.

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1 Fixed issues

Sporadic stop of data transfer from CMS to RCMS Server

In special conditions it happened that the data transfer from a CMS station to RCMS Server was partly stopped.

Buffering of actual values when RCMS Server communication is down

With CMS V4.1 HF1 all transfer data to RCMS Server were buffered and transferred upon return of RCMS Server communication. This also included actual values what could cause a high number of buffered files on the CMS station. With the new version actual values will not be buffered upon communication downtime to RCMS Server.

2 **Preparations**

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No.	Action	Remark
1.	Exit "CMSRuntime" on the RCMS server in order to interrupt the connection to the CMS PCs on the cranes. → Do not restart "CMSRuntime" on the RCMS server before having updated the software on all CMS PCs on the cranes and on the RCMS server (see the following chapters).	Exit "CMSRuntime" by right clicking the icon in the Windows Taskbar → Exit
2.	Please check with Windows Task Manager → processes that "CMSRuntime.exe" has been stopped on the RCMS server.	Right click on the Taskbar → Task Manager → Tab "Processes" Toolbars Cascade Windows Tile Windows Horizontally Tile Windows Vertically Show the Desktop Task Manager Lock the T Properties
3.	Make sure that a WinCC project backup is available for the CMS projects on the cranes and for the RCMS server project.	

3 CMS PC on the crane

Table 3-1: Actions	CMS PC	on the	crane
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No.	Action	Remark
1.	Exit "CMSRuntime" and "CMSRCMSSynchron" by right clicking both icons in the Windows Taskbar → Exit.	About Exit Parre De C De 16:25
2.	Exit WinCC Runtime and close the WinCC Explorer.	
3.	Close all other applications on your PC.	
4.	Please check with Windows Task Manager → processes that "CMSRuntime.exe" and "CMSRCMSSynchron.exe" have been stopped on the CMS.	Right click on the Taskbar → Task Manager → Tab "Processes" Toolbars Cascade Windows Tile Windows Horizontally Tile Windows Vertically Show the Desktop Task Manager Lock the T
5.	Uninstall SIMOCRANE CMS from the PC.	Control Panel → Add / Remove programs → Remove Wide Remove Programs Control Panel → Add / Remove programs → Remove Strockwe Crist Strockwe Crist Control Panel → Add / Remove Strockwe Crist Control Panel → Add / Remove Strock
6.	Start "setup.exe" from the installation folder "CMSSetup" on the CMS PC. → The Installation of SIMOCRANE CMS starts.	→ CD drive:\CMSSetup\setup.exe
7.	Press "Install".	SIMOCRANE CMS Setup X The following components will be installed on your machine: Visual C++ Runtime Libraries (x86) Do you wish to install these components? If you choose Cancel, setup will exit. If you choose Cancel, setup will exit. Cancel

No.	Action	Remark
0	Broop "Next >"	
δ.	Press Next > .	Welcome to the SIMOCRANE CMS Setup Wizard
		The installer will guide you through the steps sequired to instal SIMUCRANE CMS on your computer.
		WAPNING: This computer program is protected by copyright law and international treaters. Unsubtrained displacation or distribution of this program, or any portion of it, may result in service civil or criminal penalties, and will be protecuted to the maximum entert possible under the law.
		Cancel (Birk Beds
9	Press "Next >".	SIMOCRANE CMS
0.		Select Installation Folder
		The installer will install SIMOCRANE CMS to the following lobbe: To install in this lobbe, click: "Next". To install to a different lobbe, enter it below or click "Browse". Eolder:
		C VProgram Filen/SIEMENS1W/rCC\SIMOCRANE CMS\
		Instal SIMOCRANE CMS for yourself, or for anyone who uses this computer.
		C Evenone
		v sust≝e
		Cancel (Back Heat)
10	Press "Next >"	N SIMOCRANE CMS
10.		Confirm Installation
		The installer is ready to install SIMOCRANE CMS on your computer Click "Next" to start the installation.
		Cancel (Back Ben)
11	Please take a moment to read the	
	license agreement now. If you accept the terms below, click "I Agree", then	License Agreement
	"Next >". Otherwise click "Cancel".	Please take a moment to most the General agreement new If you accept the terms below, click '1 Agree', then 'New!'. Otherwise click 'Cancel'. Please note:
		This software is protected under German and/or US American Copyright Leves and provisions in international treaties. Unauthorized reproduction and distribution of the software or parts of it is liable to prosecution. If will be prosecuted according to criminal as well as civil laward may result in severe purchament and/or damage claims. In othis comware before installing ped using the purchament and/or damage claims.
		C LD. Nutrees C LTC
		1 Lio Not Agree 1 Agree
		Cancel (Back Heat)

No.	Action	Remark
12.	Click "Next >".	INDOCRANE CMS Information and workarounds CMS-/ RCMS-functions INDOCRANE CMS Information data from RCMS to CMS INDOCRANE CMS Information and workarounds Intervention and Interventio
13.	Click "Close" to finish the installation.	Installation Complete SIMDCRAME CMS has been successfully installed Cick "Done" to est.
14.	Restart the CMS PC on the crane. If WinCC Runtime, "CMSRuntime" and "CMSRCMSSynchron" do not start automatically then please start the three programs manually.	In the Windows taskbar you can check whether "CMSRuntime" and "CMSRCMSSynchron" are running:
15.	With a right click on one of the two symbols in the windows taskbar you can check the version of the CMS ("About").	

NOTE Repeat the installation on all CMS PCs.

NOTE Do **not** start up "CMSRuntime" on the RCMS server before also having updated the software on the server (see chapter 4 - RCMS server).

4 RCMS server

Table 4-1: Actions RCMS server

No.	Action	Remark
1.	Please check with Windows Task Manager → processes that "CMSRuntime.exe" has been stopped on the RCMS server.	Right click on the Taskbar → Task Manager → Tab "Processes" Toolbars Cascade Windows Tile Windows Horizontally Tile Windows Vertically Show the Desktop Task Manager Lock the T
2.	Exit WinCC Runtime and close the WinCC Explorer.	
3.	Close all other applications on your PC.	
4.	Uninstall SIMOCRANE CMS from the PC.	Control Panel → Add / Remove programs → Remove
5.	Start "setup.exe" from the installation folder "RCMSSetup" on the RCMS server. → The Installation of SIMOCRANE CMS starts.	→ CD drive:\RCMSSetup\setup.exe
6.	Follow the instructions of the setup as described in chapter 3 - CMS PC on the crane.	
7.	Restart the RCMS server after the installation has been finished. If WinCC Runtime and "CMSRuntime" do not start automatically then please start the two programs manually.	In the Windows taskbar you can check whether "CMSRuntime" is running.

No.	Action	Remark
8.	With a right click on the symbol in the windows taskbar you can check the version of the CMS ("About").	

5 CMS / RCMS Client PCs

NOTE If the CMS Client PCs (e.g. in the cabin) are Thinclients, then no additional Client installation is required on these Thinclients.

No.	Action	Remark
1.	Close all applications on your PC.	
2.	Uninstall SIMOCRANE CMS from the PC.	Control Panel → Add / Remove programs → Remove
3.	Start "setup.exe" from the installation folder "CMSClientSetup" on the Client PC. → The Installation of SIMOCRANE CMS starts.	→ CD drive:\CMSClientSetup\setup.exe Image: Constraint of the file Image: Constraint of the file
4.	Follow the instructions of the setup as described in chapter 3 - CMS PC on the crane.	
5.	Restart the Client PC after the installation has been finished.	

Table 5-1: Actions CMS / RCMS Client PCs

6 Check communication

After updating the PCs in the network the connection between the CMS PCs on the cranes and the RCMS server has to be checked.

No.	Action		Remark
1.	Check the connection to the RCMS server on the CMS PC by the "CMSRCMSSynchron" icon in the Windows taskbar.	The i Ther Serve	icon has to be blue / blinking green. the connection is established. The connection to the RCMS er is active.
		RCM	Data is being transferred to the IS server.
2.	Check the connection on the RCMS server by the crane icons in the Tree View in the RCMS user interface.	The icon of the crane must not be "Offline":	
		É	ОК
			ldle
		Ê	Warning
			Fault
		X	Offline
3.	Check the transfer of messages, operational data (Move data, MMBF data, Counter) and Tag values from the CMS PCs to the RCMS server.		

Table 6-1: Communication