Honeywell

CIPer[™] Model 30 Controller

Software Release Bulletin

Version 1.0.11

1 New Features

- CIPer Model 30 controller firmware upgraded to WEBs-N4.10.0.154 version.
 To upgrade a CIPer Model 30 controller to WEBs-N4.10, refer to <u>Steps to Upgrade CIPer Model 30</u> Controller from WEBs-N4.7, N4.8, or N4.9 to WEBs-N4.10 version section.
- 2) USB support for communication to BACnet MSTP or Modbus devices. This feature allows you to configure RS-485 communication with a USB Type-A socket via an RS-485 serial port converter adapter.
- 3) Adapter Requirements for CIPer Model 30
 - USB to wire end RS-485 cable
 - Must use either FTDI chipset (FT232 series) or Prolific chipset (PL2303).

Some specific adapters available on-line

<u>https://www.waveshare.com/usb-to-rs485.htm</u>

Engineering group recommends these (w/ Tx/Rx LEDs, two cable lengths):

- 1.8m cable: <u>https://ftdichip.com/products/usb-rs485-we-1800-bt/</u>
- 5m cable: <u>https://ftdichip.com/products/usb-rs485-we-5000-bt/</u>
- 4) Licenses with Modbus

Existing Licenses: BACnet, 150 points, 3 devices

- WEB-C3036EPUBNH CIPer Model 30 Unitary
- WEB-C3036EPVBNH CIPer Model 30 VAV

For Modbus, order ***New* Part Number: WEB-C30-CONV-M**, zero charge Converts existing license to BACnet & Modbus, 100 points, 3 devices.

Convert this		To this	
WEB-C3036EP U BNH	BACnet, 150 points, 3 devices	WEB-C3036EP U B M NH	BACnet & Modbus 100 points, 3 devices
WEB-C3036EP V BNH	BACnet, 150 points, 3 devices	WEB-C3036EP V B M NH	BACnet & Modbus 100 points, 3 devices

For more details refer to CIPer Model 30 System Engineering User Guide - 31-0023

2 Overview of the Release

CIPer Model 30 controllers are available in two models WEB-C3036EPUBNH and WEB-C3036EPVBNH. These are Internet Protocol (IP) based edge controllers that can be used for VAV, Unitary, and Plant applications.

Product Name	Honeywell – CIPer Model 30 Controller	
Type of Release	General Release	
Date	July, 2021	
Niagara compatibility	WEBs-N4.10.0.154	

2.1 Release Components and Versions

The update can be found on The Honeywell Buildings Forum. The software modules for CIPer Model 30 controller included in the <u>WEBs-N4.10.0.154</u> installer.

Alternatively, you can download the CIPer Model 30 tool and firmware software modules from <u>CIPer30_WEBsTool_1.0.11.zip</u>, which includes updates of CIPer Model 30 V1.0.11 firmware and tool. Extract to find the following update files:

Firmware a	nd Software	Version

Tools	File Name	Version
Factory restore software	honeywell-IPC-factory.dist	0.1.0
WEB-03022H Firmware	honeywell-IPCSIO.dist	1.1.0.76
WEB-09056H Firmware	honeywell-IPCIO.dist	1.1.0.140
Baseboard Firmware	honeywell-IPCBASE.dist	1.1.1.146
OS QNX	honeywell-IPCQNX.dist	7.0.4.4
JRE	honeywell-azul-ejre-ipcqnx-arm.dist	1.8.0.282
IPC Tools	honeywell-IPC-tool.dist	4.10.0.1.1.257
IPC Module	honeywell-IPC-module.dist	4.10.0.154
Niagara Core Software	nre-core-honeywell-IPCQNX-arm.dist	4.10.0.154.4
Niagara Config Software	nre-config-honeywell-IPC.dist	4.10.0.154.6

Serial Number	Name	Version
1	docHoneywellFunctionBlocks-doc	4.10.0.1.1.257
2	docHoneywellSylkDevice-doc	4.10.0.1.2.55
3	docIPCProgrammingTool-doc	4.10.0.1.1.257
4	honeywellFunctionBlocks-rt	4.10.0.1.1.257
5	honeywellFunctionBlocks-ux	4.10.0.1.1.257
6	honeywellFunctionBlocks-wb	4.10.0.1.1.257
7	honeywellSylkDevice-rt	4.10.0.1.2.55
8	honeywellSylkDevice-ux	4.10.0.1.2.55
9	honeywellVersionManager-rt	4.10.0.1.1.12
10	ipcBaseDriver-rt	4.10.0.1.1.31
11	ipcCommBus-rt	4.10.0.1.1.257
12	ipcCommBus-wb	4.10.0.1.1.257
13	ipcMigrator-wb (only in Supervisor)	4.10.0.1.1.257
14	ipcProgrammingTool-rt	4.10.0.1.1.257
15	themeHoneywell-ux	4.10.0.1.1.16

Modules Version

2.2 Compatibility

Number	Item	Version Number/Type/Make
1	Hardware Compatibility (Sylk modules)	Zeleny: C7400S Sylk actuators: Zelix and Diamond Sylk Honeywell actuators TR120 as a replacement for TR7x (TR71, TR71-H, TR75, and TR75-H). TR7x: TR71, TR71-H, TR75, and TR75-H. TR4x: TR40, TR40-H, TR40-C02, TR40-H-C02, TR42, TR42-H, TR42-C02, and TR42-H-C02
2	Niagara compatibility	WEBs-N4.10.0.154
3	OS compatibility	Windows 10 (64-bit)
4	OS QNX	7.0.4.4 (honeywell-IPCQNX.dist)

2.3 Related Documentation

For more details on the installation procedure, features, and engineering configuration of the CIPer Model 30 controller and its IPC programming tool, refer to the following documents on <u>The Honeywell Buildings</u> Forum.

- CIPer Model 30 System Engineering User Guide 31-00237
- CIPer Model 30 Product Data 31-00236EFS
- CIPer Model 30 Installation Instruction 31-00183
- CIPer Model 30 Installation and Operation Guide 31-00206
- CIPer Model 30 Hardening Guide 31-00207
- CIPer Model 30 Expansion IO Product Data 31-00239
- CIPer Model 30 Expansion IO Installation Instruction 31-00319
- CIPer Model 30 Quick Setup Guide 31-00446

3 Steps to Upgrade CIPer Model 30 Controller from WEBs-N4.7, N4.8, or N4.9 to WEBs-N4.10 version

This section provides the upgrade procedure with the core files, software, and firmware for the CIPer Model 30 controller and expansion IO to the latest build. For more details refer *CIPer Model 30 Installation and Operation Guide - 31-00183*

Check the power requirements of the controller and the expansion IO modules as specified in the product datasheets. To avoid overloading the power supply while upgrading, the firmware in the expansion IO modules can be upgraded later individually, by using the associated distribution files just for the expansion IO modules.

IMPORTANT

i

<u>All modules must be signed</u>

- WEBs-N4.10 requires all modules to be signed with a valid certificate. If you are using thirdparty modules, ensure that they are signed with a valid certificate using Niagara's Jar Signing Tool. For more details on the Niagara Third-Party Module Signing procedure, refer to the below Niagara internal help links (ORDs) for Niagara Third-Party Module Signing process,
 - Signing A Third Party Module: module://docModuleSign/doc/CreateCodeSigningCertificate-28E327C0.html
 - Staged roll-out: module://docModuleSign/doc/StagedRoll-outModuleSigning-182E7CCO.html
 - Verification modes: module://docModuleSign/doc/VerificationModesModuleSigning-182D0E86.html

If you attempt to upgrade an existing CIPer Model 30 controller with an unsigned module, the station will not start.

For users using WEBs N4.8 version in CIPer Model 30 controller

- While installing any other tool packages in CIPer Model 30 controller, if CIPer Model 30 modules are getting overridden then ensure to copy the corresponding modules *.sig* files that are present along with modules using the "File Transfer Client" mechanism in Niagara.
- If the corresponding *.sig* file for the module is not installed in CIPer Module 30 controller, then during reboot those modules will be uninstalled and the station will fail to start.

Steps to Upgrade

- 1. Download and install the WEBs-N4.10.0.154
- 2. Upgrade using one of the following methods:

You can install a single controller or multiple controllers.

- a) For single CIPer Model 30 Controller –use Distribution File Installer or Commissioning Service
- b) For multiple CIPer Model 30 Controllers –use Provisioning Service
 - Upgrade using Distribution File Installer
 - Upgrade using Commissioning Wizard
 - Upgrade using Provisioning Service
- 3. Verify that the upgrade is successful.

NOTE

Factory Reset Image

- The **honeywell-IPC-factory.dist** file can be used to reset the CIPer Model 30 Controller to factory settings. To install the **honeywell-IPC-factory.dist** file, use Distribution file installer.
- The factory reset image should only be installed after the upgrade process has been verified successfully.
- At this time, installing the Factory reset is not possible with Commissioning Service and Provisioning service

3.1 Install WEBs-N4.10.0.154

Download and install WEBs-N4.10.0.154 on your system.



NOTE

Honeywell Buildings Forum access requires a valid login to download the software.

3.2 Procedure to Upgrade CIPer Model 30 Controller and Expansion IO

3.2.1 Procedure 1: Distribution File Installer

Following are the dist files required to upgrade CIPer Model 30 controller and Expansion IO using the Distribution File installer:

Files required for Distribution File Installer				
Tools	File Name	Version		
WEB-03022H Firmware	honeywell-IPCSIO.dist	1.1.0.76		
WEB-09056H Firmware	honeywell-IPCIO.dist	1.1.0.140		
Baseboard Firmware	honeywell-IPCBASE.dist	1.1.1.146		
OS QNX	honeywell-IPCQNX.dist	7.0.4.4		
JRE	honeywell-azul-ejre-ipcqnx-arm.dist	1.8.0.282		
IPC Tools	honeywell-IPC-tool.dist	4.10.0.1.1.257		
IPC Module	honeywell-IPC-module.dist	4.10.0.154		
Niagara Core Software	nre-core-honeywell-IPCQNX-arm.dist	4.10.0.154.4		
Niagara Config Software	nre-config-honeywell-IPC.dist	4.10.0.154.6		



NOTE

• For upgrading all components in a single installation use **nre-config-honeywell-IPC.dist** file. This file installs all of the individual components of CIPer Model 30 core files, baseboard firmware, expansion IO firmware, and CIPer Model 30 modules.

File	nre-config-honeywell-IPC.dist
Size	137.3 KB
Distribution Na	me nre-config-honeywell-IPC
Description	Niagara Configuration Files for honeywell IPC controller
Version	honeywell 4.10.0.154.6
Release Date	none
Contents	
Dependencies	
IPC (<=1.0)	
> honeywell-I	PC-module (>=4.10.0.154)
> honeywell-I	PC-tool (>=4.10.0.1.1.257)
> honeywell-I	PCBASE (>=1.1.1.146)
> honeywell-I	PCIO (>=1.1.0.140)
m honeywell-i	PCQNX (>=7.0.4.4)
honeywell-li	PCSIO (>=1.1.0.76)
Shoneywell-a	zul-ejre-IPCQNX-arm (>=Azul Systems 1.8.0.282)
mr nre-core-ho	neywell-IPCQNX-arm >=4.10.0.154.4 (not allowed with nre-core-
Exclusions	
m nre-core-* (>	=4.11)

- For upgrading only controller tool use **honeywell-IPCtool-4.10.0.1.1.257.dist** file for installation.
- For upgrading controller baseboard firmware use **honeywell-IPCBASE.dist-1.1.1.146.dist** file for installation.
- For upgrading large expansion IO firmware, use **honeywell-IPCIO-1.1.0.140.dist** file for installation.
- For upgrading small expansion IO firmware, use **honeywell-IPCIO-1.1.0.76.dist** file for installation.

Steps To Run Distribution File Installer

1. Connect to the platform and click **Distribution File Installer**.

ar Platform Administration				
Platform				
Name	Description			
Application Director	Control applications and access console output			
Certificate Management	Manage X.509 Certificates and Host Exemptions.			
🙆 Distribution File Installer	Install distribution files to the remote host			
File Transfer Client	Transfer files to and from the remote host			
Lexicon Installer	Install lexicons to support additional languages			
D License Manager	Manage licenses and certificates			
S Platform Administration	Update the platform daemon's port or credentials, or set its date and time			
O Software Manager	Install software to the remote host			
Station Copier	Transfer stations to and from the remote host			
TCP/IP Configuration	Manage the host's TCP/IP settings			
Remote File System	The remote host's file system			

2. Locate the folder containing (*.dist*) file from the **C:/Honeywell/WEBStation-N4-4.10.0.154/sw/4.10.0.154.6** directory, select the folder, and select **OK**.

Change Directory		0
	4.10.0.110	
	4.10.0.150.3	
	4.10.0.150.4	
	4.10.0.154	
	4.10.0.154.1	
	4.10.0.154.1.1	
	4.10.0.154.116	
	4.10.0.154.2	
	4.10.0.154.3	
	4.10.0.154.4	
	4.10.0.154.5	
	4.10.0.154.6	
	4.10.0.18	
	4.10.0.19	
	4.10.0.2	
	A 440.00.010	
virectory Path /C	:/Honeywell/WEBStation-N4-4.10.0.154/sw/4	.10.0.154.6

3. Select the required .*dist* file and click **Install**, this action installs the (.**dist**) file.

C:/HoneyWell/WEbStation-N	4-4.10.0.154/SW/4.1	10.0.154.	0	
distribution files were found in dire	ctory "/C:/Honeywell/WE	Station-N4	-4.10.0.154/sw/4.10.0.154.6"	
File	Version	Status	Description	Ę
nre-config-honeywell-IPC.dist	honeywell 4.10.0.154.6	Modified	Niagara Configuration Files for honeywell IPC controller	
	Choose D	irectory	A Cleaning A Conversion Backups	
	O choose b	nectory	A conversion S backups	



NOTE

After this step, the controller automatically stops and reboots the station.

3.2.2 Procedure 2: Using Commissioning Wizard

Following are the dist files required to upgrade CIPer Model 30 controller and Expansion IO using Commissioning Wizard:

Files required for Commissioning Wizard				
Tools	File Name	Version		
WEB-03022H Firmware	honeywell-IPCSIO.dist	1.1.0.76		
WEB-09056H Firmware	honeywell-IPCIO.dist	1.1.0.140		
Baseboard Firmware	honeywell-IPCBASE.dist	1.1.1.146		
OS QNX	honeywell-IPCQNX.dist	7.0.4.4		
JRE	honeywell-azul-ejre-ipcqnx-arm.dist	1.8.0.282		
IPC Tools	honeywell-IPC-tool.dist	4.10.0.1.1.257		
IPC Module	honeywell-IPC-module.dist	4.10.0.154		
Niagara Core Software	nre-core-honeywell-IPCQNX-arm.dist	4.10.0.154.4		
Niagara Config Software	nre-config-honeywell-IPC.dist	4.10.0.154.6		



NOTE

Installing the honeywell-IPC-factory.dist file is not supported via commissioning.

Steps To Perform Commissioning Wizard

- 1. Log in to the Platform of the CIPer Model 30 using the WEBs-N4- N4.10.0.154 workbench.
- 2. Run the **Platform Administration** from platform view.

Platform	
Name	Description
Application Director	Control applications and access console output
Certificate Management	Manage X.509 Certificates and Host Exemptions.
Distribution File Installer	Install distribution files to the remote host
Pile Transfer Client	Transfer files to and from the remote host
Lexicon Installer	Install lexicons to support additional languages
License Manager	Manage licenses and certificates
Platform Administration	Update the platform daemon's port or credentials, or set its date and time
O Software Manager	Install software to the remote host
Station Copier	Transfer stations to and from the remote host
O TCP/IP Configuration	Manage the host's TCP/IP settings
Remote File System	The remote host's file system

3. Select Commissioning Wizard.

Platform Administration		
Niew Details	Baja Version	Tridium 4.9.0.198
Wiew Decans	Daemon Version	4.9.0.198
User Accounts	System Home	/mnt/fs/niagara
System Passphrase	User Home	/mnt/fs/home/niagara
H Change HTTP Port	Host	10.78.2.84 (IPCStation)
The change http port	Daemon HTTP Port	3011
Change TLS Settings	Daemon HTTPS Port	5011
() Change Date/Time	Host ID	HON-IPC-9417-68EE-D489-2D1E
0	Model	IPC
de Advanced Options	Product	HonIPC N4
Change Output Settings	Local Date	23-Mar-21
View Daemon Output	Local Time	7:15 Greenwich Mean Time
	Local Time Zone	GMT (+0)
Configure Runtime Profiles	Operating System	QNX (1.1.151)
Configure NRE Memory	Niagara Runtime	nre-core-honeywell-IPCQNX-arm (4.9.0.198.145)
Rackup	Architecture	arm
Joackup	Enabled Runtime Profile	s rt,ux,wb
★ Commissioning	Java Virtual Machine	honeywell-azul-ejre-ipcqnx-arm (Azul Systems 1.8.0.252)
O Reboot	Niagara Stations Enabled	a enabled
	Number of CPUs	1
	Current CPU Usage	695
	Overall CPU Usage	1296
	Filesystem	Total Free
		/mnt/system 229,132 KB 198,628 KB

4. Uncheck all default checkboxes, except "*Install/Upgrade core software from distribution files*" (see below) and click **Next.**

This wizard combines steps for configuring a host to run static change you wish to make:	ons. Please check b	elow for each type of	configuration	
Request or install software licenses				
Set enabled runtime profiles				
Install a station from the local computer				
Install lexicons to support additional languages				
✓ Install/upgrade modules				
✓ Install/upgrade core software from distribution files				
Sync with my local system date and time				
Configure TCP/IP network settings				
Configure system passphrase				
Configure additional platform daemon users				
Clear All Check All				
	∢ Back	Next	🗸 Finish	X Cancel

5. Select the licensing options and click **Next.**

🖾 alarm-rt

🖾 bajaScript-ux

⊠ bajaux-rt

⊠ bajaux-ux ⊠ box-rt

⊠ bql-rt

🖾 baja

Honeywell.license (Honeywell 4.10 - expires 2022-03-31) Webs.license (Tridium 4.10 - expires 2022-03-31) Do you want to install or replace any licenses? ♦ Don't change any licenses ♦ Install one or more licenses from files ♦ Install Honeywell IPC (Honeywell Webs 4.10) licenses from the license server: Honeywell.license (Honeywell 4.10 - expires 2022-03-31) Webs.license (Tridium 4.10 - expires 2022-03-31) NOTE: if you use a license with a version lower than 4.10 without active maintenance, the software available to install will be limited accordingly. ■ Back Next ♥ Finish	Installed licenses:				
Webs.license (Tridium 4.10 - expires 2022-03-31) Do you want to install or replace any licenses? ◇ Don't change any licenses ◇ Install one or more licenses from files ◇ Install Honeywell IPC (Honeywell Webs 4.10) licenses from the license servers: Honeywell.license (Honeywell 4.10 - expires 2022-03-31) Webs.license (Tridium 4.10 - expires 2022-03-31) NOTE: if you use a license with a version lower than 4.10 without active maintenance, the software available to install will be limited accordingly.	Honeywell.license (Hone	ywell 4.10 - expires 2022-03-31)			
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Install Honeywell IPC (Honeywell Webs 4.10) licenses from the license server: Honeywell.license (Honeywell 4.10 - expires 2022-03-31) Webs.license (Tridium 4.10 - expires 2022-03-31) NOTE: if you use a license with a version lower than 4.10 without active maintenance, the software available to install will be limited accordingly. Mark Next Finish Control of the second	♦ Install one or more lice	enses from files			
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Webs.license (Tridium 4.10 - expires 2022-03-31) NOTE: if you use a license with a version lower than 4.10 without active maintenance, the software available to install will be limited accordingly. Back Next / Finish	Honeywell.license (Ho	oneywell 4.10 - expires 2022-03-31)			
NOTE: if you use a license with a version lower than 4.10 without active maintenance, the software available to install will be limited accordingly.	Webs.license (Tridium	4.10 - expires 2022-03-31)			
	Click Next.	ation	Back N	ext V Finish	Xc
	Click Next.	ation	d Back ► N	ext √ Finish	Xc
Please check each additional item you wish to have installed to the remote host. Any software known to be required for stations to run is already checked.	Click Next. Software Install Please check each additiona for stations to run is already	ation I item you wish to have installed to t checked.	Back N	ext √ Finish re known to be required	Xc
Please check each additional item you wish to have installed to the remote host. Any software known to be required for stations to run is already checked. Current free space 1,185,604 KB To be installed 539 KB Estimated free space after install 1,185,065 KB	Dlick Next. Software Install Please check each additiona for stations to run is already Current free space 1,185	ation I item you wish to have installed to t checked. ,604 KB To be installed 539 KB	Back N the remote host. Any softwar Estimated free space	ext	× c

🕑 Tridium 4.9.0.198

🕑 Tridium 4.9.0.198

Tridium 4.9.0.198

🕑 Tridium 4.9.0.198

Tridium 4.9.0.198

Tridium 4.9.0.198

C Tridium 4.9.0.198

Upgrade All Out of Date

7. The install/upgrade core software from the distribution file should look like the below image. If not, then go back and make sure the files from the zip folder were copied to the correct location and that the WEBs-N4.10.0.154 workbench was restarted.

4 Back

V Tridium 4.10.0.154

7 Tridium 4.10.0.154

V Tridium 4.10.0.154

Tridium 4.10.0.154

7 Tridium 4.10.0.154

7 Tridium 4.10.0.154

7 Tridium 4.10.0.154

Reset

Next

Install required platform module (Tr 🐣

Install required platform module (Tr

X Cancel

🗸 Finish

N Commissioning for "10.90.90.104"				×
Distribution File Installation Install/upgrade core software from a distribution file				
The following software needs to be installed:				
 nre-config-honeywell-IPC (honeywell 4.10.0.154.6) honeywell-IPC-module (honeywell 4.10.0.154) honeywell-IPC-tool (honeywell 4.10.0.1.1.257) honeywell-IPCBASE (honeywell 1.1.1.146) honeywell-IPCIO (honeywell 1.1.0.140) honeywell-IPCSIO (honeywell 1.1.0.76) nre-core-honeywell-IPCQNX-arm (honeywell 4.10.0.154.4) honeywell-IPCQNX (honeywell 7.0.4.4) honeywell-azul-ejre-IPCQNX-arm (Azul Systems 1.8.0.282) Press "Next" to continue with commissioning. 				
	Back	Next	🗸 Finish	X Cancel

8. Click **Next** and complete the commissioning wizard.

Wait for several minutes to complete the controller upgrade. After the upgrade is complete you will be able to log in to the platform of the controller.

3.2.3 Procedure 3: Using Niagara Provisioning Service

Following are the dist files required to upgrade CIPer Model 30 controller and Expansion IO using for Provisioning Service:

Files required for Niagara Provisioning Service			
Tools	File Name	Version	
WEB-03022H Firmware	honeywell-IPCSIO.dist	1.1.0.76	
WEB-09056H Firmware	honeywell-IPCIO.dist	1.1.0.140	
Baseboard Firmware	honeywell-IPCBASE.dist	1.1.1.146	
OS QNX	honeywell-IPCQNX.dist	7.0.4.4	
JRE	honeywell-azul-ejre-ipcqnx-arm.dist	1.8.0.282	
IPC Tools	honeywell-IPC-tool.dist	4.10.0.1.1.257	
IPC Module	honeywell-IPC-module.dist	4.10.0.154	
Niagara Core Software	nre-core-honeywell-IPCQNX-arm.dist	4.10.0.154.4	
Niagara Config Software	nre-config-honeywell-IPC.dist	4.10.0.154.6	



NOTE

Installing the honeywell-IPC-factory.dist file is not possible by Provisioning Service.

Niagara provisioning service allows you to upgrade multiple CIPer Model 30 controllers and Expansion IO

For additional information on setting up provisioning service see the <u>CIPer Model 30 Installation and</u> <u>Operation Guide - 31-00183</u> or open the following ORD (*local:*

module://docProvisioning/doc/ProvisioningInstall.html) on your workbench:



NOTE

The station names in each of the CIPer Model 30 controllers must be unique in order to add them as a remote Niagara station in the Niagara station manager. The station in the CIPer Model 30 controller need not be running in order to update the controller. You must configure the platform connection of the controller to perform the update.

By default, only one station will be upgraded at a time. In order to upgrade multiple controllers at the same time do the following

Navigate to the AX property sheet of the job prototype and set the **Force unsafe parallel execution** to **True**, refer to the screenshot below.

8		gara	PlatformConnection	3on/steps/step1/9CStation
			Ht.	
5 (CPe	r 30Þ	WO2Jpgrade (Naga	ra Network Job Prototype)
	0	Rete	ention Policy	Retain permanently 👔 •
	0	Rete	ention Policy Check Fre	equency +00001h 00m 00ePP
	4	3ob	Prototype	Nagara Network
		0	Job State	Urknown
		0	Progress	-1
		0	Start Time	Sull
		0	Heartbeat Time	null
		0	End Time	sell_
		0	Submit User	unknown
		0	Alert On Step Failure	() tue
		0	Alert On Job Success	() faise
	¥ I	6	Stages	Folder
		þ	intal	Network Job Stage
		Ŧ	forEachStation	For Each Station Stage
			Stage Name	forEachStation
			Stage State	Unknown
			> b Steps	Folder
			Device States	1 Folder
			Run Devices 1	In Paralel 🔘 true 💌
		-[Force Unsafe	Paralel Execution 🕐 true 💌
		0	Prototype Ord	sull 😳 - 🕨
		0	Network Ord	service:niagaraDriver:NiagaraNetwork 😰 - 🕨
		0	Devices To Process	bata:String

Steps To Perform Provisioning Service

 Navigate to the ProvisioningNiagara palette, add a new NetworkJobPrototype to any place in the station under Config (NiagaraNetwork for example) and name the job prototype (example -CIPer30_1.1.4_Upgrade).



NOTE

Make sure to increase the Device Reboot Timeout from 10 minutes to 15 minutes if you are connecting more than 6 expansion IO to the CIPer Model 30 controller.

2. Click the (+) icon from Steps run for each station section, select Upgrade Out-of-date Software, and then click OK.

New Job Step		×
Security Job Steps	Add all security related job steps	- e
Set Certificate Alias	Set certificate alias for the platform, fox, and web services	
O Set Platform Credentials	Set platform credentials	
🖋 Set Property	Set or add a property	
Les Set Station Connection Credentials	Set the station credentials used to connect to the remote station.	
Set Station User Password	Set the password of the current station user	
🔍 Set System Passphrase	Set System Passphrase	
Set TLS Level	Set TLS level for the platform, fox, and web services	
Set Time	Set the time for each device	
+ Setup Reciprocal Connection	Setup the Niagara Network connection from remote station to supervisor station	
G Sign Certificate	Sign a certificate on each station	
Dupdate Template or Application Configuration	Update configuration of deployed templates or installed applications on each station in the job	
Upgrade Application Template	Upgrade an application template installed on stations in the job	
① Upgrade Out-of-date Software	Upgrade out-of-date software for each station in the job	
Upgrade Template	Upgrade deployed template instances on each station in the job	

You can view the list of jobs defined for the required stations.

Upgrade Out-of-date Software				
0 113				
	0	~	_	~
	÷	-		~ ~

3. Click the (+) icon from **Stations to include in the job** section, select the checkbox to select a specific station, or select the **Check All** option to select the all listed station, and then click **OK**.



4. Click Run Now.

Esteps to run for each station-		
Upgrade Out-of-date Software		
	\odot \checkmark \times	
Stations to include in the jop-		
NiagaraStation		
A NiagaraStation1		
A NiagaraStation2		
a NiagaraStation3		
a NiagaraStation4		
NiagaraStation5		
	\odot \checkmark \checkmark	
	🖉 Run Now 📳 Save 💭 Refresh	

This upgrades CIPer Model 30 controller and Expansion IO to WEBs N4.10 version for all selected stations.

3.3 Verify Upgrade

After the upgrade process of the CIPer Model 30 controller and Expansion IO, verify the versions of QNX/Baseboard Firmware/Software Tool.

Log in to the Platform of the controller and then go to **Platform Administration**, and verify the updated versions installed. Refer to the below image, highlighting installed versions on the controller.

View Details	Baja Version	Tridium 4.10.0.154	
e ricu octaris	Daemon Version	4.10.0.154	
User Accounts	System Home	/mnt/fs/niagara	
System Passphrase	User Home	/mnt/fs/home/niagara	
# Change HTTP Post	Host	10.78.2.84 (IPCStation)	
Change HTTP Port	Daemon HTTP Port	3011	
Change TLS Settings	Daemon HTTPS Port	5011	
Change Date/Time	Host ID	HON-IPC-9417-68EE-D489-2D1E	
0	Model	IPC (1.0)	
Advanced Options	Product	HonIPC N4	
V Change Output Settings	Local Date	15-Jul-21	
View Daemon Output	Local Time	6:02 Greenwich Mean Time	
	Local Time Zone	GMT (+0)	
Configure Runtime Profiles	Operating System	honeywell-IPCQNX (7.0.4.4)	
Configure NRE Memory	Niagara Runtime	nre-core-honeywell-IPCQNX-arm (4.10.0.154.4)	
A Backup	Architecture arm		
Jbackup	Enabled Runtime Profil	les rt,ux,wb	
K Commissioning	Java Virtual Machine	honeywell-azul-ejre-IPCQNX-arm (Azul Systems 1.8.0.28	
C Reboot	Niagara Stations Enable	ed enabled	
	Number of CPUs	1	
	Current CPU Usage	3196	
	Overall CPU Usage	15%	
	Filesystem	Total Free	
		/mnt/system 229,132 KB 198,820 KB	
		/mnt/fs 1,384,432 KB 1,231,032 KB	

3.3.1 To Verify Baseboard Version

- 1. Go to **Application Director** and start the station. Wait for the station to start when the station status displays running
- 2. Log in to the station.

If you are logging into the station the first time, then use default credentials.

- Username: admin
- Password: Honeywell1

The change password wizard will come up to change the default credentials.

3. Navigate to Station > Drivers > IPCNetwork and click on localDevice.

This action opens the local device property sheet. Verify the updated firmware details. Refer to the below image, highlighting installed firmware versions on CIPer Model 30 controller and Expansion IO.

Property Sheet			
LocalDevice (I P C Device)			
Status	{ok}		
📔 Enabled	🔵 true 😪		
Fault Cause			
Health	Ok [30-Oct-20 5:48 AM IST]		
Alarm Source Info	Alarm Source Info		
Firmware Details	FW Version: 1.1.1.146		
Firmware Update Logs	2020-10-28 09:31:19 Device address:0 2020-10-28 09:31:19 Image file downlo 2020-10-28 09:31:19 Image file model: 2020-10-28 09:31:19 Version before do 2020-10-28 09:31:19 Image File Versio 2020-10-28 09:31:19 Version Compare:S 2020-10-28 09:31:50 File transfer:Suc 2020-10-28 09:32:29 Version after dow 2020-10-28 09:32:29 Image file downlo		
Model 🗎	WEBC3036EPVBNH		
Address	0		
Maintenance Button	Maintenance Button		

3.3.2 To Verify Expansion IO Baseboard Firmware Version

- 1. Navigate to **Station** > **Drivers** > **IPCNetwork** and click on **localDevice**.
- Drag the Large Expansion IO device from the ipcProgrammingTool palette and configure the model type as WEBO9056H and the address to what is configured on the DIP switches of the expansion IO module. Make sure that the status shows OK and the firmware version shows 1.1.0.140 as seen below.

	large (Expansion I O Device	Ext)
	Status	{ok}
	Enabled	🔵 true 🕞
	Fault Cause	
	Model	WEBO9056H 👻
	Address	1 [1-15]
Þ	🖵 Health	Ok [30-Oct-20 5:53 AM IST]
Þ	Firmware Details	FW Version: 1.1.0.140

3. Drag the small Expansion IO device from the **ipcProgrammingTool** palette and configure the model type as **WEBO3022H** and the address to what is configured on the DIP switches of the expansion IO module. Make sure that the status shows **OK** and the firmware version shows **1.1.0.76** as seen below.

Pro	operty Sheet	
s 🕷	mall (Expansion I O Device Ext))
Ę	📄 Status	{unackedAlarm}
Ę	Enabled	🔵 true 🔍
C	Fault Cause	
Ę	Model	WEBO3022H -
Ę	Address	7 [1-15]
▶ [- Health	Ok [30-Oct-20 5:54 AM IST]
	Firmware Details	FW Version: 1.1.0.76
Ę	Firmware Update Logs	
]	Firmware Update Logs	Alarm Source Info
	 Firmware Update Logs Alarm Source Info Ping Retry Count 	Alarm Source Info
	 Firmware Update Logs Alarm Source Info Ping Retry Count Current Read Retry Count 	Alarm Source Info 0 0 0
0 0 0 0	 Firmware Update Logs Alarm Source Info Ping Retry Count Current Read Retry Count Desired Read Retry Count 	Alarm Source Info 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	 Firmware Update Logs Alarm Source Info Ping Retry Count Current Read Retry Count Desired Read Retry Count Current Write Retry Count 	Alarm Source Info 0 0 5 [0-30] 0
	 Firmware Update Logs Alarm Source Info Ping Retry Count Current Read Retry Count Desired Read Retry Count Current Write Retry Count Desired Write Retry Count 	Alarm Source Info 0 0 5 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0

This completes the CIPer Model 30 WEBs-N4.10 version upgrade process

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