
Saia PCD Supervisor Software Release Bulletin 4.10.5.14.1.3




supervisor
Saia PCD®

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SUMMARY

This bulletin is to announce the latest release of the Saia PCD Supervisor based on Niagara 4 technology.

If you install the version 4.10.5.14.1.3 you will benefit from:

- Niagara 4.10 as Long-Term-Support release underneath (New fixes will be backported to 4.10 until next LTS release)
- Definition of Long Term Support release: Tridium designates certain releases as “Long-Term-Support releases”, and as such, the Maintenance Period for those products is no less than 2.5 years from the date of commercial release.

Maintenance Policy Matrix
Last Updated February 12, 2021

This is Tridium's Maintenance Policy Matrix as of the date set forth above. This policy may be changed by Tridium at any time.

Niagara Framework Support Roadmap		
Release 1	Release Date	Support End Date 2
3.8	February 2014	July 2021
4.3	June 2017	October 2018
4.4 - LTS	December 2017	October 2021
4.6	July 2018	August 2019
4.7	October 2018	July 2020
4.8	August 2019	July 2021
4.9	July 2020	January 2022
4.10 - LTS	March 2021	September 2023
1. If released, an update build replaces its immediate predecessor as the supported version		
2. All items and schedules shown herein are subject to change at Tridium's sole direction		

- Fixed critical issues as listed in section “Resolved Issues for this Release”
- New Easy Healthy Building Dashboard to help establish buildings as healthy buildings
- In parallel to this release we introduced new version of Energy Manager 3.5.0 including new functions

AWS CERTIFICATION

In the category of BACnet certifications, this release is related to Niagara Framework version - 4.3 (4.3.58.22.11) - that is certified as B-AWS. [See the listing here.](#)

NEW FEATURES / UPDATES

Versions comparison

Between Saia PCD Supervisor 3.0 / 4.10 and basic Niagara 4.10

Features by Tridium / by SBC	Tridium Niagara 4.10	Saia PCD Supervisor 3.0	Saia PCD Supervisor 4.1
Niagara 4.10	✓	X ¹	✓
Cloud Connector	✓	✓	✓
Cyber Security	✓	✓	✓
SMA Reminder	✓	✓	✓
Security Dashboard	✓	✓	✓
Analytics	✓	✓	✓
E-Signature	✓	✓ [!]	✓ [!]
JSON Toolkit	✓	✓	✓
Video Integration	✓	✓	✓
+ Milestone Camera Driver	✓	✓	✓
+ AXIS Video Integration	✓	✓	✓
+ MaxPro Video Integration	✓	✓ [!]	✓ [!]
Video Surveillance Viewer	✓	X	✓
Graphics with Tag Based Visualization	✓	✓	✓
Single Sign On with native IdP	✓	✓	✓
MQTT for JWT authentication (Google)	✓	X	✓
Visualization performance (UxMedia)	✓	X	✓
Point List View	X	✓	✓
SBC Station template	X	✓	✓
Saia PG5 Data Import Wizard	X	✓	✓
+ Enhanced PG5 data import	X	✓ [*]	✓
Bacnet Utilities	X	✓	✓
+ Enhanced EDE import	X	✓	✓
Energy Monitoring (Update 3.3)	X	✓	✓ [*]
+ 3 meters free of charge	X	✓	✓
Easy Templating	X	✓	✓
+ S-Bus (Single / Complex O.)	X	✓ [*]	✓ [*]
+ BACnet (Single / Complex O.)	X	✓ [*]	✓ [*]
Easy Database Manager	X	✓	✓
Easy Binding	X	✓	✓
+ SBC Easy Widget graphics	X	✓	✓
Easy Alarm Management	X	✓	✓
Easy Healthy Building Dashboard	X	X	✓
Printout tool	X	✓	✓

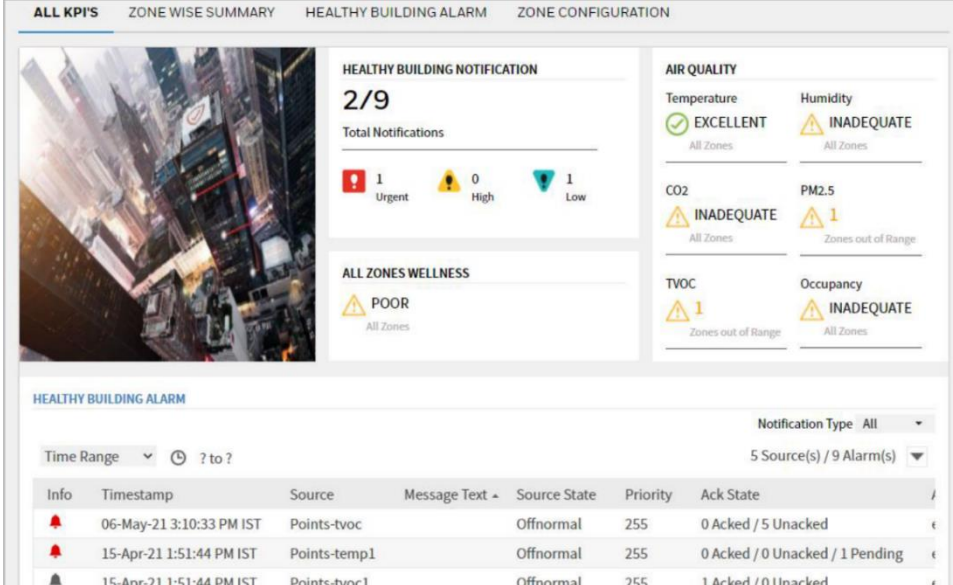
X¹: Niagara 4.9; * : Enhanced; !: Restrictions

Easy Healthy Building Dashboard

Introduce the user-friendly drag & drop technique to perform data binding by using “Easy Widgets” graphic elements. Easy Healthy Building Dashboard provides a score that enables the user to understand their buildings in key performance indicators (Temperature, CO2, Humidity, PM2.5, TVOC, and Occupancy) which can be used with sensor feedback values to calculate the healthy building score which can be displayed on the Easy Healthy Buildings Dashboard. This can provide an indication of comfort level and environment safety.


The Easy Healthy Building Dashboard provides, visibility of the health of a portfolio/Region /Building and its underlying zones. This helps to triage a zone based on their performance score. The healthy building score is computed at zone level.

The Zone status is Calculated for each Portfolio/Region/Facility from sensor metric data in terms of percentage as per ASHRAE 62.1 standard.



The dashboard shows a 'HEALTHY BUILDING NOTIFICATION' score of 2/9. It includes sections for 'AIR QUALITY' with indicators for Temperature (EXCELLENT), Humidity (INADEQUATE), CO2 (INADEQUATE), PM2.5 (1 zone out of range), TVOC (1 zone out of range), and Occupancy (INADEQUATE). The 'ALL ZONES WELLNESS' section shows a 'POOR' status for all zones. Below is a 'HEALTHY BUILDING ALARM' table:

Info	Timestamp	Source	Message Text	Source State	Priority	Ack State
	06-May-21 3:10:33 PM IST	Points-tvoc		Offnormal	255	0 Acked / 5 Unacked
	15-Apr-21 1:51:44 PM IST	Points-temp1		Offnormal	255	0 Acked / 0 Unacked / 1 Pending
	15-Apr-21 1:51:44 PM IST	Points-tvoc1		Offnormal	255	1 Acked / 0 Unacked



STATUS	ZONE	TEMP	HUM	CO2	PM2.5	TVOC	OCCUPANCY	
GOOD	Z1	22.0 °C	70.0 %RH	--	0.0 ug/m ³	0 mg/m ³	--	VIEW TREND
POOR	Z2	14.0 °C	10.0 %RH	1200.0 ppm	0.0 ug/m ³	0.1 mg/m ³	--	VIEW TREND
GOOD	Z3	21.0 °C	50.0 %RH	1200.0 ppm	0.05 ug/m ³	0.8 mg/m ³	--	VIEW TREND

Note: The Easy Healthy Building Dashboard comes with a trial license for 30-days. After completion of 30-days trial, user need to purchase license

For further details please see documentation:
 C:\SBC\SaiaPCDSupervisor-4.10.5.14.1.3\docs\docHealthyBuilding

Enhanced Virtual Graphics with Tag Based Visualization

Niagara 4.6 introduced System Database which dramatically decreases the amount of time to integrate remote Niagara Network stations into a Supervisor. Tag-based PX binding was introduced in Niagara 4.9 enabling users to develop graphics once, and then re-use them across stations. Niagara 4.10 marries these two powerful solutions together to reduce the amount of time spent engineering.

- In Niagara 4.10, Tag Based Graphics can now be used with SystemDB and Virtuals
- Create local graphics based on tags once, and then reuse throughout your entire enterprise portfolio, thereby saving time and reducing the chance of graphics being out of sync
- Conform with the latest building design specifications by using a graphical user interface (GUI) based entirely on tags

Visualization performance (UxMedia)

Utilize new UxMedia type to achieve faster graphics load time and enable instantaneous feedback on changing values. Niagara 4.10 will help to convert existing PX graphics to a contemporary UI based on browser standards via a built-in migration tool.

- UxMedia widgets provides immediate feedback upon value changes
- Utilize rich sets of open-source development tools to enable a native HTML5 and JavaScript UI that is more flexible and adaptable to future cloud-based solutions
- UI development process is more efficient since evaluating widget changes does not require a module rebuild and a station restart -just hit refresh in the browser to try out the new behavior
- Instantaneously convert existing PX Graphics to utilize UxMedia via the PxMediaMigrator and the browser-native Audition Mode

For further details please see documentation:

C:\SBC\SaiaPCDSupervisor-4.10.5.14.1.3\docs\docGraphicsN4

Video Surveillance Viewer

Niagara 4.9 brought a number of improvements to video processing capabilities (alarming, HTML5 views, streaming live and recorded video in browsers or mobile).

Niagara 4.10 continue to build out the functionality by updating the Surveillance Viewer to enable functionality such as setting up and saving video layouts and clicking on any video stream to view a single camera.

HTML5 Surveillance Viewer

- Select Video Layout
- Drag-drop cameras onto screen
- Save view for future use
- Allows operators to quickly display groups of related video streams

Axis Camera Discovery

- New labor-saving feature that scans your local network for Axis cameras

For further details please see documentation:
 C:\SBC\SaiaPCDSupervisor-4.10.5.14.1.3\docs\docVideo

Update 3rd party signing

This feature will be introduced through a series of Niagara releases. First introduction was in 4.8.
 Signing rules can be switched between Low, Medium and High

Low:

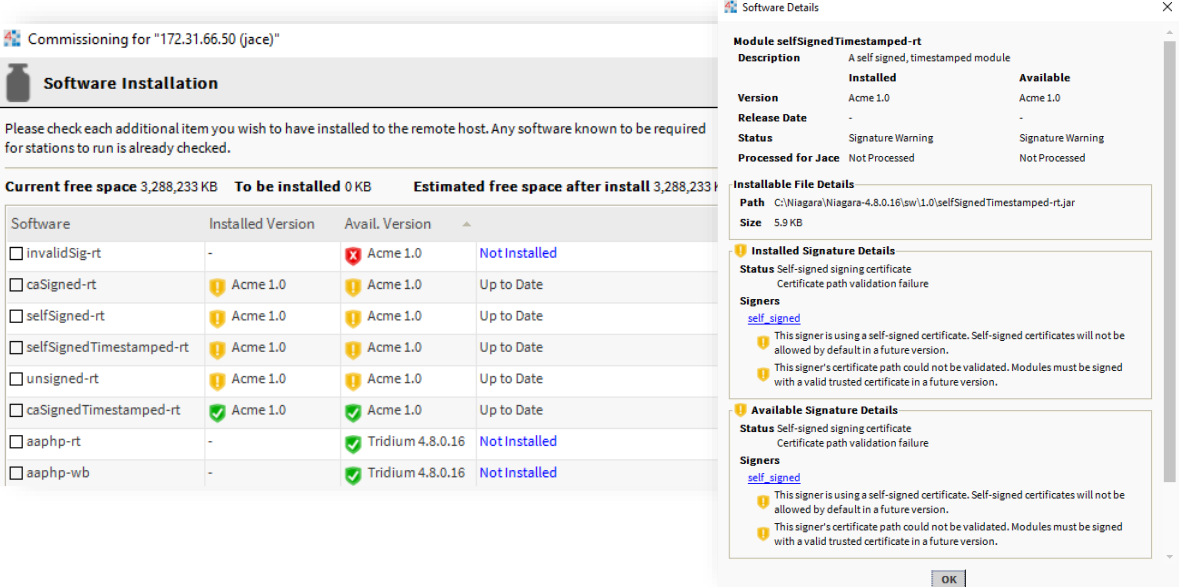
Modules that are unsigned, untrusted or have expired certificates will cause warnings but still function. Error if signed module modified after it was signed. Can be increased to Medium or High.

Medium (Default setting for 4.10):

All modules must be signed by valid, trusted certificate (may be self-signed). Can be decreased to Low or increased to High.

High:

All modules must be signed with CA Certificate. Can be decreased to Medium



The screenshot shows a 'Software Installation' window for commissioning a remote host. It lists various software modules with their installed and available versions and status. A 'Software Details' dialog box is open for the 'selfSignedTimestamped-rt' module, showing its description, version, release date, status, and file details. The dialog also displays signature details, including a warning that the self-signed certificate is not allowed by default and that the certificate path could not be validated.

Software	Installed Version	Avail. Version	Status
<input type="checkbox"/> invalidSig-rt	-	Acme 1.0	Not Installed
<input type="checkbox"/> caSigned-rt	Acme 1.0	Acme 1.0	Up to Date
<input type="checkbox"/> selfSigned-rt	Acme 1.0	Acme 1.0	Up to Date
<input type="checkbox"/> selfSignedTimestamped-rt	Acme 1.0	Acme 1.0	Up to Date
<input type="checkbox"/> unsigned-rt	Acme 1.0	Acme 1.0	Up to Date
<input type="checkbox"/> caSignedTimestamped-rt	Acme 1.0	Acme 1.0	Up to Date
<input type="checkbox"/> aaphp-rt	-	Tridium 4.8.0.16	Not Installed
<input type="checkbox"/> aaphp-wb	-	Tridium 4.8.0.16	Not Installed

Software Details

Module selfSignedTimestamped-rt

Description A self signed, timestamped module

Property	Installed	Available
Version	Acme 1.0	Acme 1.0
Release Date	-	-
Status	Signature Warning	Signature Warning
Processed for Jace	Not Processed	Not Processed

Installable File Details

Path C:\Niagara\Niagara-4.8.0.16\sw\1.0\selfSignedTimestamped-rt.jar

Size 5.9 KB

Installed Signature Details

Status Self-signed signing certificate
Certificate path validation failure

Signers

[self_signed](#)

- This signer is using a self-signed certificate. Self-signed certificates will not be allowed by default in a future version.
- This signer's certificate path could not be validated. Modules must be signed with a valid trusted certificate in a future version.

Available Signature Details

Status Self-signed signing certificate
Certificate path validation failure

Signers

[self_signed](#)

- This signer is using a self-signed certificate. Self-signed certificates will not be allowed by default in a future version.
- This signer's certificate path could not be validated. Modules must be signed with a valid trusted certificate in a future version.

OK

For further details how to use self-signing mechanism please refer section "Sign a Third Party Module" in Easy Binding documentation:
 C:\SBC\SaiaPCDSupervisor-4.10.5.14.1.3\docs\docEasyBinding

Note:

We recommend already to rework all custom-made modules respectively to check with third-party suppliers for the corresponding signed modules, as unsigned modules can no longer be used from NX Release NX 4.11 onwards.

HTML-5 Tag Manager

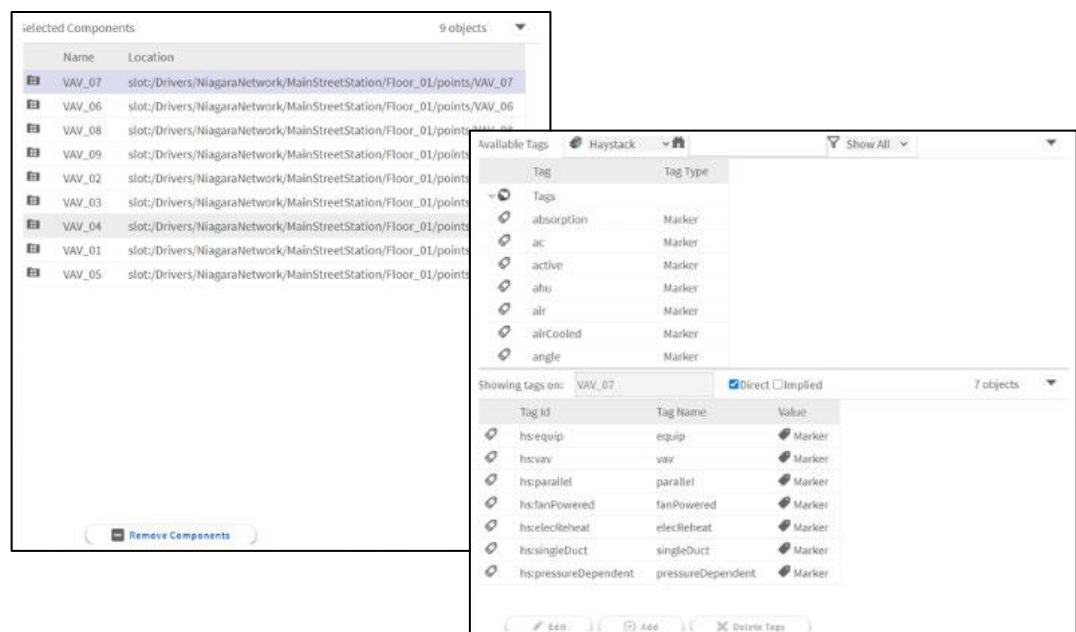
New HTML-5 Tag Manager provides a modern and intuitive design which enables a more efficient overall tagging workflow. Provides features such as bulk tagging via a browser, context sensitive tagging, seamlessly viewing direct and implied tags, exporting all tags to a spreadsheet for templating and ongoing management, drag-n-drop functionality, and more.

Provides an enhanced tagging workflow and improved user experience

- Enables the bulk tagging of components via an enriched HTML5 Browser Interface
- Drag-n-drop functionality
- Seamlessly view direct and implied tags
- Export all direct and implied component tags to a spreadsheet for templating and ongoing management
- Integration with the Niagara Search Service
- Added as a default view on all station components for enhanced flexibility

Advantages

- Enables the analysis of large quantities of disparate data
- Provides essential insight into building systems and equipment operation
- Eliminates the inherent issues associated with bespoke point naming schemas
- Conformity with Division 25 and the prospective ASHRAE Standard 223P



For further details please see documentation:
 C:\SBC\SaiaPCDSupervisor-4.10.5.14.1.3\docs\docTagging

MQTT Updates

A new MQTT Authenticator enabling JWT authentication (Google) enables seamless connectivity for Google-Cloud based applications.

Reduce the time and complexity of integrating Niagara with cloud solutions with updated connectivity options.

Utilize the JSON Toolkit, introduced in Niagara 4.9, to construct bespoke messages into required formats for cloud communication



Update Energy Monitoring (Energy Manager 3.5.0)

The Energy Manager Update to version 3.5.0 provides update on license model and new functions

- PCR fixes as described in related SRB
- Weekly chart view
- User configuration in Burger menu saved per user
- Migration tool for "saving chart config for old charts"
- Time range lock
- Engineer can lock ideal time ranges in the workbench
- Core license changes (CentralLine and SBC only)

In addition, we provide update on user guide related to latest improvements of Energy Manager NX

The demo-station is updated as well including all latest enhancements of Energy Manager NX

NOTE: Energy Manager is not part of the installer. It will be distributed via SBC support page

NOTE: If you update Saia PCD Supervisor 4.10 (from 4.9 or lower) and want to use Energy Manager with engineering license, you have to update also Energy Manager to 3.5.0 to have the CORE license available.

PART NUMBERS

Saia PCD Supervisor part numbers with S-Bus basic licenses

The Saia PCD Supervisor S-Bus point licenses support import and connection to PCD Controller. All basic licenses can be extended by additional S-Bus or OPEN points to establish communication to other controller / via other protocols.

All the basic licenses contain an initial maintenance license of 18 month.

In order to purchase End-User licenses partner must also purchase an engineering license or already own a Tridium account for Saia PCD Supervisor (valid engineering licenses).

Part Number	License Key	Description
PCD8.SUP-500	PCD8.SUP-500	Supervisor 500 points
PCD8.SUP-2500	PCD8.SUP-2500	Supervisor 2500 points
PCD8.SUP-10000	PCD8.SUP-10000	Supervisor 10000 points
PCD8.SUP-25000	PCD8.SUP-25000	Supervisor 25000 points
PCD8.SUP-50000	PCD8.SUP-50000	Supervisor 50000 points
PCD8.SUP-100000	PCD8.SUP-100000	Supervisor 100000 points

Saia PCD Supervisor basic license

The Saia PCD Supervisor Basic license does not include data points but can be extended by additional S-Bus or OPEN points to establish communication to PCD Controller or other controller / via S-Bus or other protocols.

Part Number	License Key	Description
PCD8.SUP-BASIC	PCD8.SUP-BASIC	Supervisor no points

Saia PCD Supervisor upgrade licenses

The basic licenses can be upgraded by any of the following point or node upgrades. The basic licenses have no node connection activated.

The upgrades do not influence the maintenance extension licenses which always depend on the basic license.

Add S-Bus points (Communication via S-Bus driver)

Part Number	License key	Description
PCD8.SUP-100EXT	SUP-S100P	Add driver capacity 100 S-Bus points
PCD8.SUP-2500EXT	SUP-S2500P	Add driver capacity 2500 S-Bus points
PCD8.SUP-5000EXT	SUP-S5000P	Add driver capacity 5000 S-Bus points
PCD8.SUP-15000EXT	SUP-S15000P	Add driver capacity 15000 S-Bus points
PCD8.SUP-50000EXT	SUP-S50000P	Add driver capacity 50000 S-Bus points

Add OPEN points (Communication via BACnet IP, LON, KNX-IP, M-bus, Modbus TCP, oBiX, SNMP, etc but not S-Bus)

Part Number	License key	Description
PCD8.SUP-500OPEN	SUP-DEVICE-10	Add driver capacity 500 OPEN points
PCD8.SUP-2500OPEN	SUP-DEVICE-50	Add driver capacity 2500 OPEN points
PCD8.SUP-5000OPEN	SUP-DEVICE-100	Add driver capacity 5000 OPEN points
PCD8.SUP-10000OPEN	SUP-DEVICE-200	Add driver capacity 10000 OPEN points
PCD8.SUP-25000OPEN	SUP-DEVICE-500	Add driver capacity 25000 OPEN points
PCD8.SUP-50000OPEN	SUP-DEVICE-1000	Add driver capacity 50000 OPEN points

Add Node connections (Communication from Supervisor to another Supervisor)

Part Number	License key	Description
PCD8.SUP-1N-UP	SUP-UP-1	Upgrade Supervisor connectivity by 1
PCD8.SUP-10N-UP	10x SUP-UP-1	Upgrade Supervisor connectivity by 10

SAIA PCD SUPERVISOR MAINTENANCE LICENSES

To benefit from further maintenance and upgrade features after the initial maintenance license of the basic point/node license is expired, you can purchase one of the following maintenance extensions shown in the next tables.

If you do not purchase a maintenance extension, the supervisor will continue to run but you will not be able to update your software with maintenance releases.

This means that the maintenance extensions are cumulative and always start at the point in time, where the previous maintenance extension ends. If you purchase further maintenance extensions after you have a gap in your maintenance period, the maintenance extension will fill these gaps.

Example:

Your initial maintenance is expired for 3 years. Now you buy a maintenance extension of 5 years. Your 3 years gap is filled and you benefit another 2 years of maintenance updates. If you immediately add another maintenance extension of 1 year, you will benefit of another 3 years of maintenance updates (If you buy a 5 year and shortly after 1-year SMA [Software Maintenance Agreement], you have 3 years in total, because you had a gap of 3 years before: $5+1=6$; $6-3$ (gap) = 3).

Saia PCD Supervisor maintenance upgrade for basic licenses

To benefit from further maintenance and upgrade features after the initial maintenance license (18 months) of the basic license is expired, you can purchase one of the following maintenance extensions. The maintenance licenses are always linked to the initially purchased basic version.

Part Number	License key	Description
PCD8.SUP-MNT1	SUP-0-SMA-1YR	Maintenance upgrade, additional 1 year
PCD8.SUP-MNT3	SUP-0-SMA-3YR	Maintenance upgrade, additional 3 year
PCD8.SUP-MNT5	SUP-0-SMA-5YR	Maintenance upgrade, additional 5 year

SAIA PCD SUPERVISOR ADDITIONAL DRIVER

The basic licenses can be upgraded by any of the following additional driver to extend the communication and feature of Saia PCD Supervisor.

Saia PCD Supervisor database drivers for external database applications

Part Number	License key	Description
PCD8.SUP-DB-MYSQL	DR-S-DB-MYSQL	Driver for MYSQL database
PCD8.SUP-DB-ORCL	DR-S-DB-ORCL	Driver for ORCL 11G database
PCD8.SUP-DB--SQL	DR-S-DB-SQL	Driver for SQL database
PCD8.SUP-DB--CSV	DR-S-DB-CSV	Driver for CSV database

Saia PCD Supervisor Fidelio driver

Part Number	License Key	Description
PCD8.SUP-FID	DR-MFID	Fidelio driver for Saia PCD Supervisor

Saia PCD Supervisor JSON Driver

Part Number	License Key	Description
PCD8.SUP-JSON	DR-S-JSON	JSON driver for Saia PCD Supervisor

Saia PCD Supervisor Alarm Console

Part Number	License Key	Description
PCD8.SUP-ALM-PTL	PCD8.SUP-ALM-PTL	Saia PCD Supervisor alarm portal

Saia PCD Supervisor Video Driver

Part Number	License Key	Description
PCD8.SUP-MLS-16	DR-S-MLS-16	Milestone 16 camera devices
PCD8.SUP-MLS-64	DR-S-MLS-64	Milestone 64 camera devices
PCD8.SUP-MAXP-16	DR-S-MAXP-16	MaxPro 16 camera devices
PCD8.SUP-MAXP-64	DR-S-MAXP-64	MaxPro 64 camera devices
PCD8.SUP-MAXP-128	DR-S-MAXP-128	MaxPro 128 camera devices
PCD8.SUP-AXIS-16	DR-S-AXIS-16	Axis 16 camera devices
PCD8.SUP-AXIS-64	DR-S-AXIS-64	Axis 64 camera devices

Saia PCD Supervisor LDAP

Part Number	License Key	Description
PCD8.SUP-LDAP	DR-S-LDAP	LDAP DB Int, Supervisor. Card holder DB

Saia PCD Supervisor ANALYTICS

Part Number	License key	Description
PCD8.SUP-NA-250	NA-S-N4-250	250 analytics points
PCD8.SUP-NA-1000	NA-S-N4-1000	1000 analytics points
PCD8.SUP-NA-10000	NA-S-N4-10000	10000 analytics points

Saia PCD Supervisor Energy Monitoring

Part Number	License key	Description
PCD8.SUP-EM25	PCD8.SUP-EM25	Base license with max. 25 meter points
PCD8.SUP-EM50EXT	PCD8.SUP-EM50EXT	Additional 50 meter points
PCD8.SUP-EM100EXT	PCD8.SUP-EM100EXT	Additional 100 meter points
PCD8.SUP-EM500EXT	PCD8.SUP-EM500EXT	Additional 500 meter points
PCD8.SUP-EM1KEXT	PCD8.SUP-EM1KEXT	Additional 1000 meter points

Saia PCD Supervisor E-Signature

Part Number	License Key	Description
PCD8.SUP-ESIG-1000	ESIGN-S-N4-1000	E-Signature 1000 sec. points - FDA 21 CFR part 11
PCD8.SUP-ESIG-UP1K	ESIGN-S-N4-UP-1000	E-Signature add 1000 sec. points - FDA 21 CFR part 11
PCD8.SUP-ESIG-UNL	ESIGN-S-N4-UNL	E-Signature unlimited sec. points - FDA 21 CFR part 11

Note: E-Signature is working with all standard Niagara points using only Proxy Extension. If additional connection will be used as for example the virtuals E-Signature will not support.
 -> No support for BACnet utilities (Native BACnet is supported)

Saia PCD Supervisor Cloud

Part Number	License Key	Description
PCD8.SUP-CLO-500	DR-NCLOUD-SEN500	Niagara cloud sentience 500 points
PCD8.SUP-CLO-2500	DR-NCLOUD-SEN2500	Niagara cloud sentience 2500 points
PCD8.SUP-CLO-10000	DR-NCLOUD-SEN10000	Niagara cloud sentience 10000 points

Saia PCD Supervisor Easy Healthy Building Dashboard

Part Number	License Key	Description
PCD8.SUP-HBDS1	HBDS1	2 zones 1 year
PCD8.SUP-HBDM1	HBDM1	5 zones 1 year
PCD8.SUP-HBDE1	HBDE1	Unlimited zones 1 year
PCD8.SUP-HBDS3	HBDS3	2 zones 3 years
PCD8.SUP-HBDM3	HBDM3	5 zones 3 years
PCD8.SUP-HBDE3	HBDE3	Unlimited zones 3 years

SAIA PCD SUPERVISOR ENGINEERING LICENSES

PCD8.SUP-NAA-ENG is the license to enable the Saia PCD Supervisor engineering software. The engineering license is required once per "workstation" (engineer's PC).

Prerequisite for a running engineering license is that each company has bought the system integrator license (PCD8.SUP-NAA-REN / PCD8.SUP-NAA-MON) and renews this license every year before November 30.

All the present engineering licenses will be renewed by ordering the yearly license fee PCD8.SUP-NAA-REN.

This means: Every company needs:

- 1x PCD8.SUP-NAA-REN (per company and year)
- 1x PCD8.SUP-NAA-ENG for every new engineer's workplace PC (one-time payment; renewals covered by PCD8.SUP-NAA-REN)

Part number	License Key	Description
PCD8.SUP-NAA-STK5	SUP-RENCON + 5 x SUP-DEMO	Starter kit with 5 engineering licenses
PCD8.SUP-NAA-STK1	SUP-RENCON + 1 x SUP-DEMO	Starter kit with 1 engineering license
PCD8.SUP-NAA-REN*	SUP-RENCON	Engineering tool annual license fee; If customers with existing Niagara Central accounts order this part, all their existing engineering licenses will be renewed, but they will not get additional ones. For additional licenses they will have to order SUP-DEMO
PCD8.SUP-NAA-MON*	SUP-MONTHCON	Engineering tool monthly license fee. Attention: you must purchase SUP-DEMO for every engineering PC. This part can be ordered only for new Niagara Central accounts. Users which already have an account but have not renewed it cannot purchase the monthly license
PCD8.SUP-NAA-ENG	SUP-DEMO	Engineering license

* for first order you must order PCD8.SUP-NAA-ENG in addition

Order examples:

Example a) 2 Engineering Licenses for 3 months:

2x PCD8.SUP-NAA-ENG + 3x PCD8.SUP-NAA-MON

Example b) 2 Engineering Licenses for 12 months:

1x PCD8.SUP-NAA-STK1 + 1x PCD8.SUP-NAA-ENG

Example c) 6 Engineering Licenses for 12 months:

1x PCD8.SUP-NAA-STK5 + 1x PCD8.SUP-NAA-ENG

The annual agreement allows partners also to get the additional support from SBC (training and technical) to ensure they can operate with the Saia PCD Supervisor.

At the renewal time (30th November each year), all existing engineering licenses will be checked for validity and revoked as applicable.

Transferring licenses from one PC to another without providing the original serial code / Host-ID will require the purchase of a new license.

Licenses will be linked to named individuals

SAIA PCD SUPERVISOR SUPPORTING MATERIAL

Software downloads

Software files can be found on the SBC support page in section Saia PCD Supervisor <https://sbc-support.com/en/product-index/saia-pcd-supervisor/>

Trainings and training material

Saia PCD Supervisor and/or new enhancements are presented continually at different roadshows, workshops, webinars, etc.

Please note that this software package nevertheless requires comprehensive training. Training options offered by SBC on homepage www.saia-pcd.com.

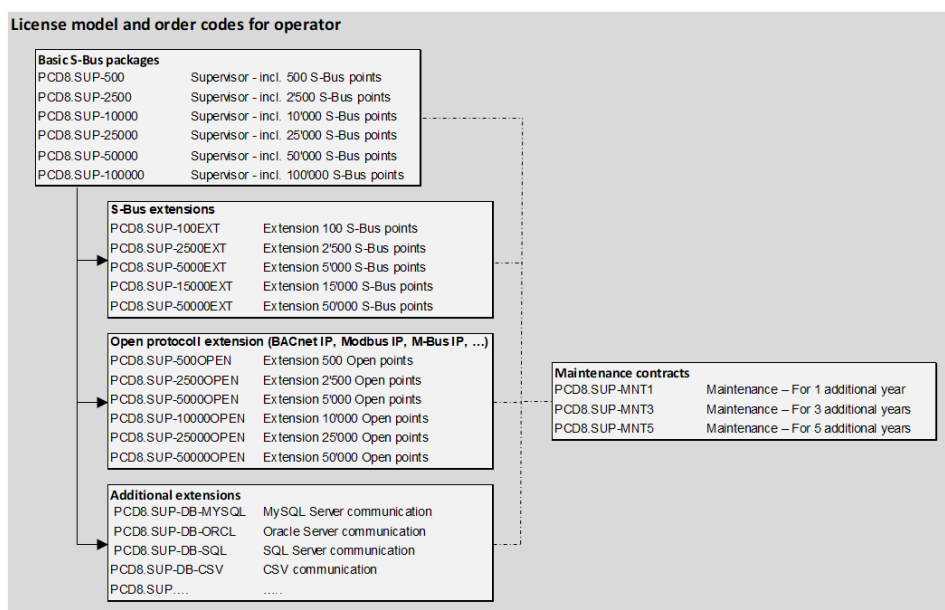
How to order the licences?

Licences can be ordered via SBC Order Management (In case of any questions contact your local sales partner).

The software then has to be installed on the PC on which it will also be used in future, since a unique host ID is created when the installation is started. To obtain the licence key, the customer has to provide Order Management with this host ID along with necessary information such as company/project name.

When an unlicensed installation of Saia PCD Supervisor is run you will be prompted to email certain details to Saia Burgess Controls in order for them to provide the relevant license and certificate files.

Runtime license and order codes for end user



EIBnetlp modules

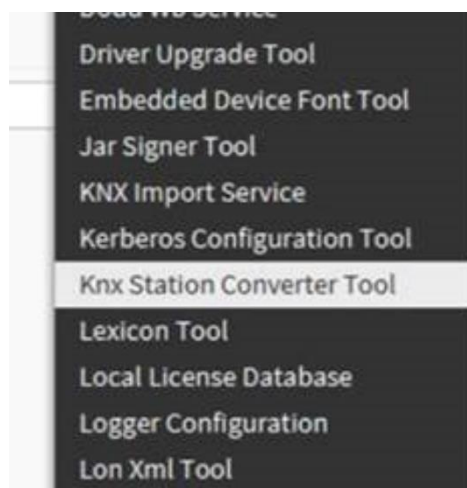
EIBnet modules are no longer in the setup (which already has been the case for a few years) and has been replaced by the knxnetlp modules....

The EIBnet to KNXnet migration tool is available via SBC Support

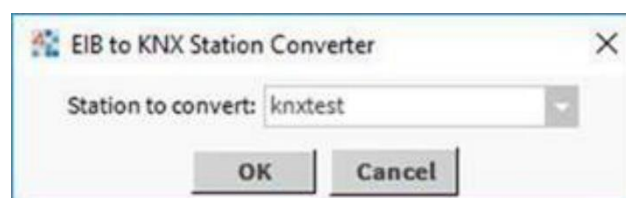
The EIB to KNX migrator is a workbench tool which translates the xml contents of an offline station folder.

To run the tool:

- 1) Add the conversion tool knxStationConverter-wb.jar to modules on the pc and restart workbench.
- 2) If the station is on a EAGLEHAWKKNX/HAWK, copy to the local host using station copier as per usual.
- 3) In workbench go to Tools -> Knx Station Converter Tool



- 4) Pick the name of the station you wish to convert



- 5) The tool will now complete. A copy of the station will be created in the workbench stations folder, with the _Knx suffix.
- 6) Viewing the new _knx station copy offline, you will observe that the EiblpNetwork will have been replaced with a KnxnetlpNetwork, and child devices, proxy extensions and various slots will have been altered/renamed to conform with the KNX driver.

PLATFORM REQUIREMENTS

Processor	Core i5-3470 3.2GHz Quad-Core minimum
Operating System	<p>Windows 10, 64-bit recommended. CentraLine NX supports the latest Microsoft operating systems and can run on virtual environments. See details regarding Supported Windows Operating Systems here: https://docs.niagara-community.com/bundle/Niagara4Install/page/PCPlatformHardwareRequirements-E98706A3.html</p> <p>Attention: Copy the link into your browser, if the first click does not lead you directly to the desired page. You will have to sign up.</p>
Memory	8 GB minimum, 16 GB or more recommended for Win 64-bit version
Hard Drive	250 GB minimum free space 500 GB for applications that need more archiving capacity
Display	Video card and monitor capable of displaying 1024 x 768 pixel resolution or greater
Network Support	Ethernet adapter (10/100 Mb with RJ-45 connector)
Connectivity	Full time high speed ISP connection recommended for remote site access (e.g. T1, ADSL, cable modem)

SUPPORTED WEB BROWSERS

Use a late version HTML5–capable web browser, such as those shown in the following table.

<https://docs.niagara-community.com/bundle/Niagara4Install/page/SupportedOSAndOtherSoftwareN4Instal-BA086D54.html>

For best result we recommend the current version of Google Chrome.

Web browsers	Niagara 4.4	Niagara 4.6/ Niagara 4.7	Niagara 4.8	Niagara 4.9	Niagara 4.10
Google Chrome (mobile, tablet, desktop)	Yes	Yes	Yes	Yes	Yes
Mozilla Firefox	Yes	Yes	Yes	Yes	Yes
Microsoft Edge	Yes	Yes	Yes	Yes	Yes
Microsoft Internet Explorer	Yes	Yes	Yes	No	No
Safari (mobile, tablet)	Yes	Yes	Yes	Yes	Yes
Java Web Start	Yes	Yes	Yes	No	No
Niagara Web Launcher	Yes (N4.4U3 only)	Yes (N4.7UI only)	Yes	Yes	Yes

NOTE: The following browsers do not support the WbApplet (Wb Web Profile):

- Google Chrome version 45 and higher
- Microsoft Edge
- Firefox version 42 and higher
- Opera

SYSTEM COMPATIBILITY

Saia PCD Supervisor allows the direct connection of PCD controllers supporting Ether-S-Bus protocol. Serial S-Bus (RS485) devices can only be connected via a PCD gateway station.

Old PCD CPUs like PCS1, PCD1.M1, PCD2.M1 cannot be connected via Ether-S-Bus, but via Gateway

PG5 is support from Version 2.1 upwards

honUtilityIntTime modules available separate on support page (Needed to read/write register in time format -> Display register as time)

ISSUES AND SOLUTIONS

Resolved issues for this Release

This list shows issues solved by SBC R&D team, additional fixes from Tridium are display in "Tridium_4.10 Release Notes.pdf" available through Support page

GALEO-44791	EDM - still deletes wanted points (for example used on Easy Templates)
GALEO-41489	PDM - Unable to delete the points in larger station
GALEO-43366	HB:CLNX: EagleHawk controller performance issues with EHBservice
GALEO-41920	EHB :Zone configuration kpi cards alignment should be responsive and fixed with 3 cards in one row.
GALEO-43359	Easy Healthy Building sonar qube fixes
GALEO-43222	Comfort Point changes for Healthy Building dashboard
GALEO-41915	EHB: Front End performance improvement
GALEO-43604	Fix loading of alarm console in first tab
GALEO-43471	CnE: Dark Theme is shown if the user navigates from Dark Alarm Console to EDM
GALEO-37389	EB - Easy Binding widgets in a px page is failed to display under virtuals
GALEO-39785	EasyBinding ux module related sonar fix
GALEO-36421	Unable to perform write operation from web client for the Secured point linked with EB widget
GALEO-43513	Easy Binding - If the Folder is named with a numeric "Folder_2DValves" then Palette represents it wrongly "\$32DValves"
GALEO-43450	More Decimal Places Support in PLV
GALEO-49111	WebChart HonBacnetHistoryBinding doesn't work properly within EasyTemplates - the WebBrowser can't display corresponding History Trends
GALEO-42317	Not possible to show facets (and other data) when only operator rights (rwi) are used
GALEO-68961	Hon Data Point View - Properties are displayed although they are not available - Jira (honeywell.com)
GALEO-68962	Hon Data Point View - Loop Object shows referenced Objects from the wrong BACnet Device

Known issues, improvements

MAXPRO Video Integration

HTML5 web browser access to MAXPRO Video Integration solutions affected by Web Start vulnerability

We do know that HTML5 is not supported for the MAXPRO driver. The workaround until 4.8 was to start browser access via Web Start.

Cause this option is not available in 4.9 anymore there is currently no possibility to have HTML5 web access in 4.10, stream can be watched only on workbench level

Won't fix issues

Because of technical reasons is not possible to get a fix for following issues

GALEO-10365	honBACnetUtilities: BACnet Devices with special characters are not shown in a proper manner in the history tree
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