Saia PCD Supervisor Software Release Bulletin 4.12.0.156.1.3

Contacts
Offering Management:
Dirk Speckhardt   dirk.speckhardt@honeywell.com

Technical Support:

SBC Germany	support.de@saia-pcd.com	SBC Italy	support.it@saia-pcd.com
SBC Austria	support.at@saia-pcd.com	SBC France	support.fr@saia-pcd.com
SBC Switzerland	support.ch@saia-pcd.com	SBC BeNeLux	support.bnl@saia-pcd.com
SBC International	support@saia-pcd.com		

DATE: March 24th, 2023

CONTENTS

SUMMARY

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

If you install the version 4.12.0.156.1.3 you will benefit from:

- Fixed issues as listed in section "Resolved Issues for this Release"
- Fixed issues as listed in "Niagara 4.12 Release Notes" available on support web page
  https://sbc-support.com/en/product-index/saia-pcd-supervisor/version-overview-saia-pcd-supervisor/actual-version/
- WebWiresheet 2.0
- HTML5 Network Point Manager
- MQTT Driver Azure ® Authenticator
- Lexicon improvements / International support
- General Cyber Security Enhancements
- History character limit restriction
- Latest Max Pro updates
- Changes for BACnet Protocol Revision 15 (No BACnet certification update)

BACnet 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-OWS / B-AWS. See the listing here.

Versions comparison

Between Saia PCD Supervisor 4.11 / 4.12 and basic Niagara 4.12

Features by Tridium / by SBC	Tridium Niagara 4.12	Saia PCD Sup 4.11	Saia PCD Sup 4.12
Niagara 4.12	✓	X¹	✓
Cloud Connector	✓	✓	✓
Security Dashboard	✓	✓	✓
E-Signature (FDA 21 CFR Part 11)	✓	✓!	✓!
JSON Toolkit	✓	✓	✓
Video Integration	✓	✓	✓
+ Milestone Camera Driver	✓	✓	✓
+ AXIS Video Integration	✓	✓	✓
+ MaxPro Video Integration	✓	✓!	✓
Video Surveillance Viewer	✓	✓	✓
Single Sign On with native IdP	✓	✓	✓
Archive History & Alarm Provider	✓	✓	✓
HTTP client	✓	✓	✓
BACnet Secure Connect (TLS 1.3)	✓	✓	✓
WebWiresheet	✓	✓	✓*
MQTT Driver Azure Authenticator	✓	X	✓
Lexicon Internationalization Support	✓	X	✓
HTML5 Network Point Manager	✓	X	✓
HTML5 BQL Query Builder	✓	X	✓
Advanced Menu (Customisable web view)	X	✓	✓*
Energy Monitoring (V3.5.1)	X	✓	✓*
Easy Templating	X	✓	✓
+ S-Bus / BACnet DDC2.7 templates	X	✓	✓*
Saia PG5 Project Import Wizard	X	✓	✓
BACnet Utilities (Cost & time saving)	X	✓	✓
Point List View	X	✓	✓
Easy Database Manager (Project cleaning)	X	✓	✓
Easy Binding (Build own smart libraries)	X	✓	✓
Easy Alarm Management	X	✓	✓
Easy Healthy Building Dashboard	X	✓	✓
Printout tool (Project documentation)	X	✓	✓

X¹: Niagara 4.11; *: Enhanced; !: Restrictions

The HTTP Client module allows the station to interact with HTTP web services and API's. This allows data to be exchanged both in and out of a station.
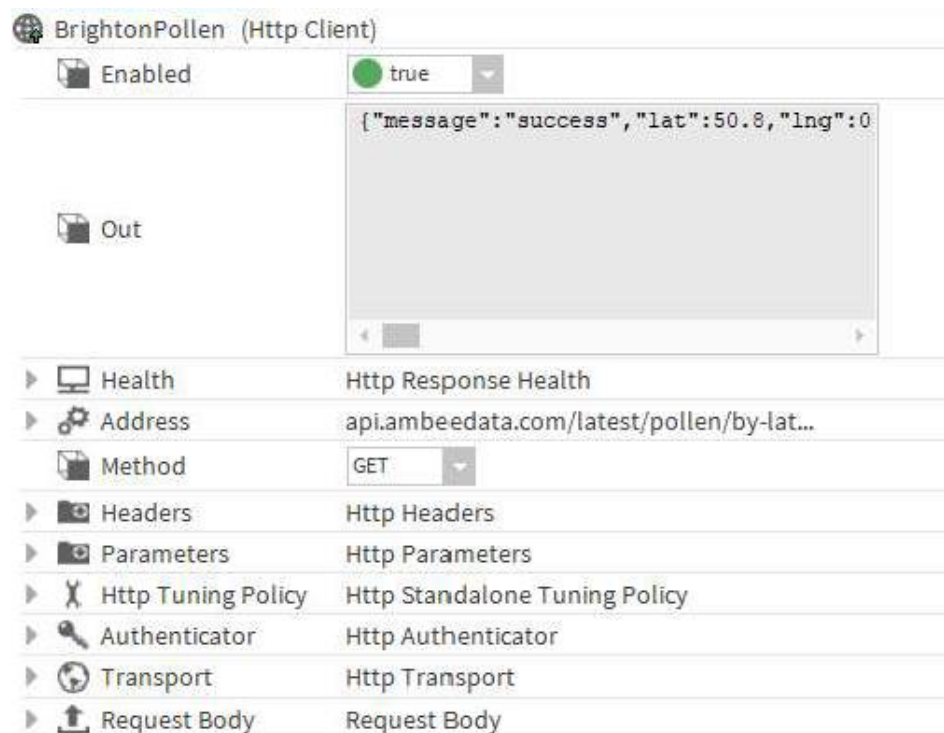
Terminology:

- **Web Services** are online services which allow 2 systems to exchange data, often in JSON or XML format, using HTTP as the protocol. HTTP is also the protocol by which web pages are retrieved in web browsers.

- **API**s are the interface contract between the client and server of the web services, defining which operations are available, the data format for exchange, and the parameters which can be used.

- **RESTful** web services/APIs obey a common set of rules and constraints to conform with modern architecture of scalability.

- **HTTP Client** module allows users to make requests to web services including RESTful API endpoints.

Licensing:

- Production use requires license and active SMA
- httpClient does consume global points count
- Free to evaluate with demo licenses

WebWiresheet is a native HTML5 configuration tool which extends the power of the Workbench Wiresheet Application into a Browser Environment

- Reduces truck rolls
- Intuitive Linking
- Multi-Selection Mode
- Rapid Relation Marking
- Search Service Integration
- Logic Building Simplified
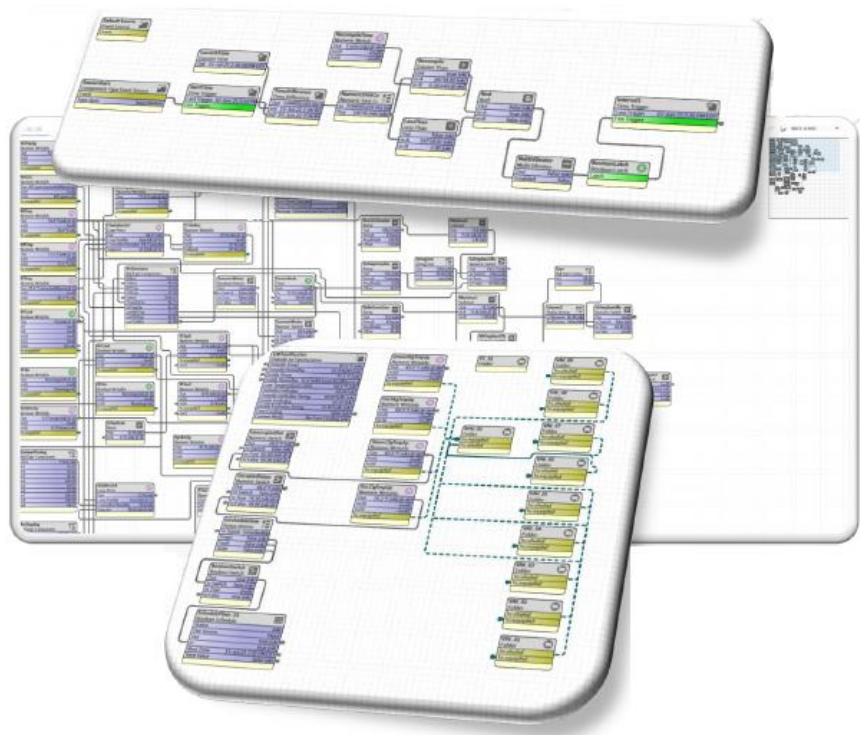
The Archive History Provider streamlines access to years of historical data stored in a relational database (RDB) for rapid visualization and analysis.

- Removes the need to Import Histories to the Supervisor for Visualization
- Instantly query years of archived data and baseline against new locally stored data
- Enables well-informed analyses of equipment operation
- Improves facility systems operational efficiency

Support using SQL, MySQL and Oracle DBs
"Dedicated DB connectors must be downloaded from supplier page and installed into jre/lib/ext folder"

The Archive Alarm Provider enhances the stability of the building systems. Cleared alarms using the Alarm Orion Service will persist in a station during a loss of connectivity with RDB. Upon reconnection, the Alarm Archive Provider will update the database tables with the application records.
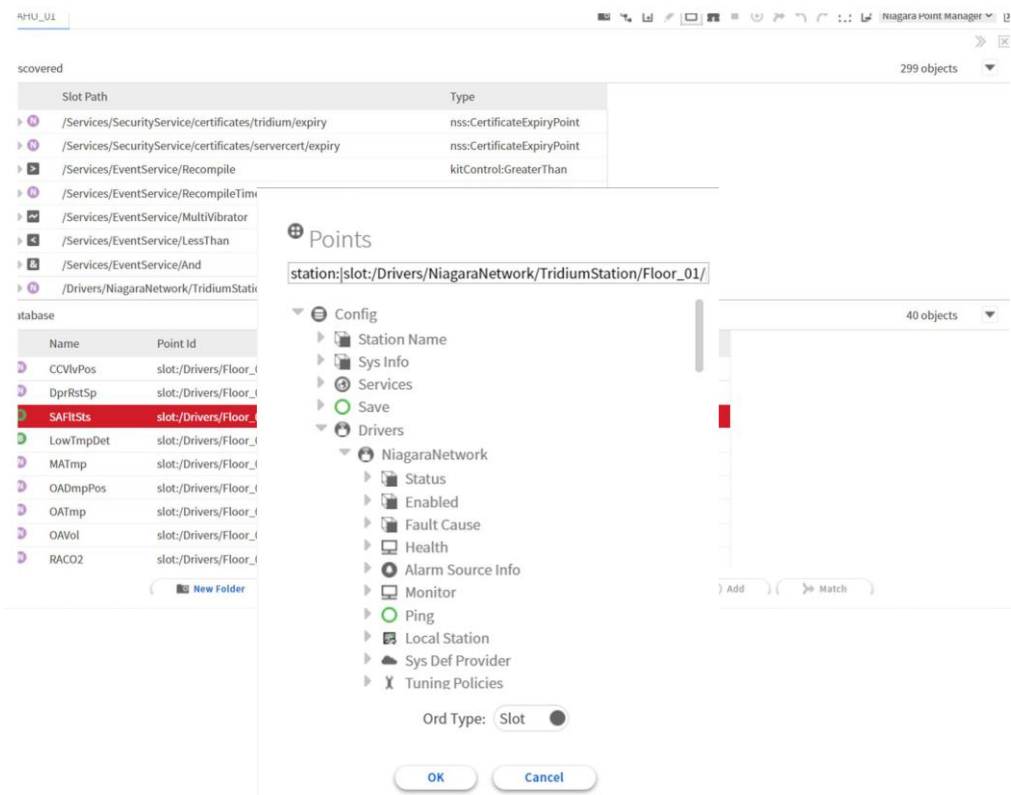
- Enables more well-informed analyses of equipment operation
- Improves facility systems operational efficiency
- Provides a compliance mechanism for CFR 21 part 11
- Quickly query closed exported alarm records
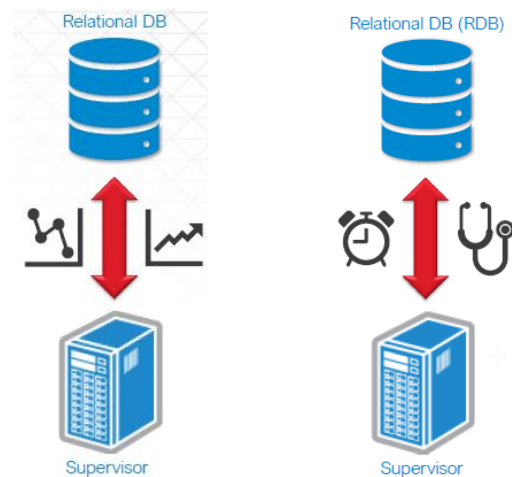
Extends the functionality of the Workbench Point Manager Application into a Browser Environment

- Discovery and addition of components via an enriched HTML5 Browser Interface
- Drag-n-drop functionality
- Improved user experience
- Enhances workflow efficiency
- Provides Added Flexibility

Provides an enhanced querying workflow and improved user experience, giving you even more flexibility to quickly get the job done

- Query components via an HTML5 Browser Interface
- Configure Reports in a Browser using the Report Service
- Create BQL queries for later use across your Niagara Stations
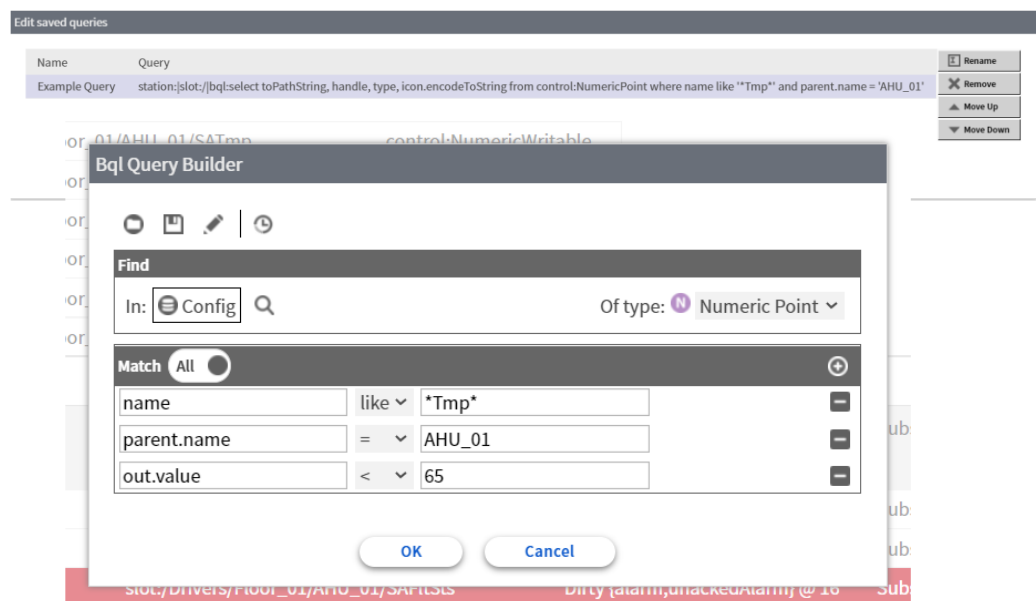
Internationalization Support

New Release Artifact which provides a delta of the lexicons added, edited or removed in the release in a user-friendly format

- Targets Non-English-Speaking Segments
- Quickly Incorporate Release Lexicon Changes into the Applications

History Character Limit Expansion

In previous versions of the Niagara Framework, the character limit on history names was 44. Now the limit has been expanded to 200 characters.

- Conform with any Point Naming Convention
- Removes the need for cryptic point naming
- Quickly locate Histories

OPC-UA Encrypted & Signed Communication

Signed & Encrypted Communication with the OPC-UA Driver (V 4.9.0.198) as Client and the PCD3.M6893 (Qronox-IEC-Controller) as OPC UA Server is established

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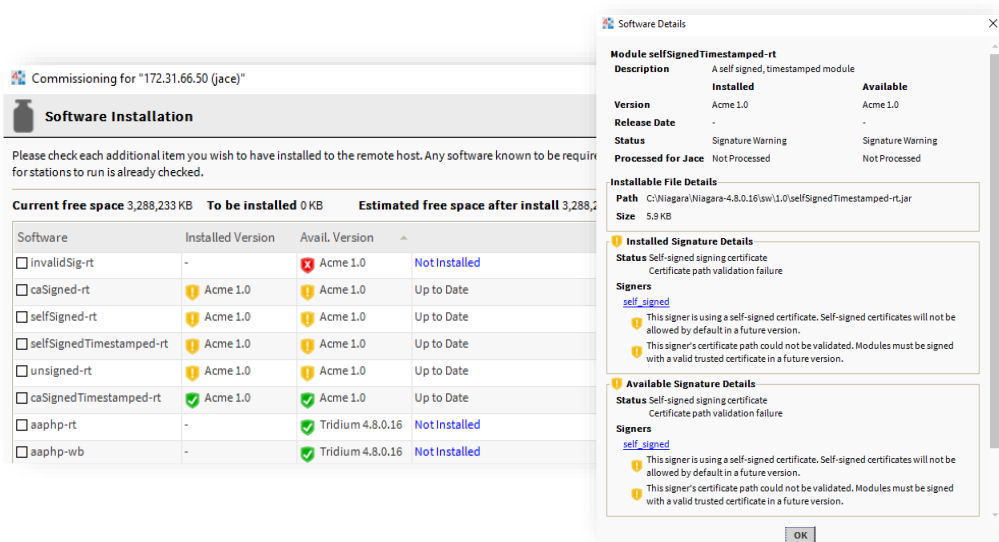
Low:
Modules that are unsigned, untrusted or have expired certificates will cause warnings but still function. Error if signed module modified after it was signed. Can be increased to Medium or High.

Medium (Default setting for 4.12):
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

For further details how to use self-signing mechanism please refer section "Sign a Third Party Module" in Easy Binding documentation:
C:\SBC\SaiaPCDSupervisor-4.12.0.156\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 in further NX Releases.

BACnet Secure Connect (BACnet/SC) is a new BACnet datalink that eliminates the need for static IP addresses and network broadcasts, while simplifying the configuration of its networks' parameters.

- Provides enhanced security for BMS network and associated devices
    - Features encrypted communications
    - Full compatibility with all existing BACnet systems and devices through normal BACnet routing
- Alleviates IT concerns related to BMS network management
    - BACnet/SC provides a sophisticated network security solution that uses standards widely accepted by the IT community
    - BACnet/SC works easily with firewall devices that are common in IT infrastructure
        - Based on TLS 1.3
        - Standard HTTPS ports and WebSocket protocols
        - No UDP
        - Fixed IP Addresses are no longer required

- TLS 1.3 is the latest standard for secure communications over IP

    - Enhances Station Performance
    - Critical Enabler for BACnet/SC
    - Features stronger security profile than TLS 1.2
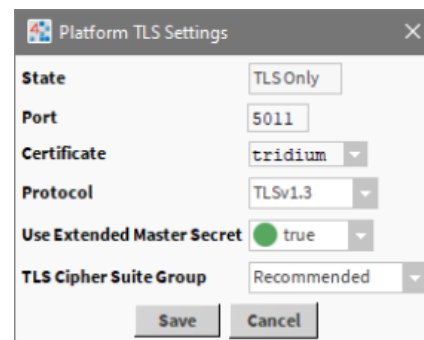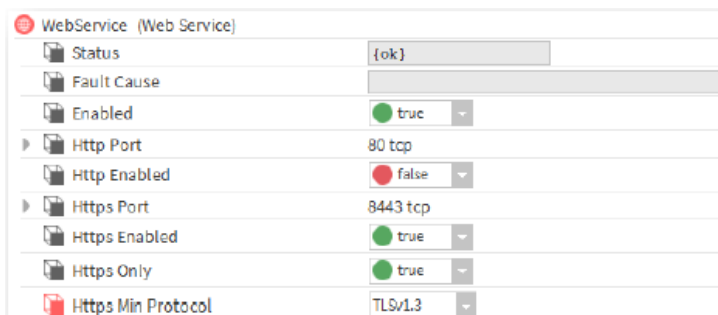
PART NUMBERS

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 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

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 HTTP Client Driver

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

Saia PCD Supervisor OpenADR Driver

Part Number	License Key	Description
PCD8.SUP-OpenADR	DR-S-OADR	VEN Supervisor Driver for OpenADR 2.0 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
PCD8.SUP-EM5KEXT	PCD8.SUP-EM5KEXT	Additional 5000 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 30th.
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.

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

PLATFORM REQUIREMENTS

Processor	Core i5-3470 3.2GHz Quad-Core minimum
Operating System	Windows 10/11, 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 **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
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/SupportedWebBrowsersInstallation-F1F39EEC.html

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

browser	Niagara 4.4	Niagara 4.6 / 4.7	Niagara 4.8	Niagara 4.9	Niagara 4.10	Niagara 4.11	Niagara 4.12
Google Chrome (mobile, tablet, desktop)	Yes	Yes	Yes	Yes	Yes	Yes (v85)	Yes (v85)
Mozilla Firefox	Yes	Yes	Yes	Yes	Yes	Yes (v81)	Yes (v81)
Microsoft Edge	Yes	Yes	Yes	Yes	Yes	Yes (v85)	Yes (v85)
Microsoft Internet Explorer	Yes	Yes	Yes	No	No	No	No
Safari on iOS (mobile, tablet)	Yes	Yes	Yes	Yes	Yes	Yes (v13.1)	Yes (v13.1)
Java Web Start	Yes	Yes	Yes	No	No	No	No
Niagara Web Launcher	Yes (N4.4U3 only)	Yes (N4.7U1 only)	Yes	Yes	Yes	Yes	Yes
Chrome on Android (v85)	No	No	No	No	No	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

SUPPORTED INFRASTRUCTURE

Supported Operating Systems

Windows
Windows 10 64-bit Professional / Enterprise

Windows 11

Windows Server 2016

Windows Server 2019

Virtual Machine
VMWare ESXi 6.7

Mobile
iOS 12

iOS 13

Android 8 (Oreo)

Android 9 (Pie)

Android 10 (Queen Cake)

Supported Databases

SQL Database
MySQL Server 8.0 (mysql-connector-java-8.0.24)

MS SQL Server 2016 (v13)

MS SQL Server 2017 (v14)

MS SQL Server 2019 (v15)

SQL Database
Oracle 12c.1/2

Oracle 18c

Oracle 19c LTS

Niagara SystemDB
Orient v3

Supported Browsers

Browser
Chrome (v85)

Firefox (v81)

Microsoft Edge (v85)

Web Launcher

Mobile Browser
Safari on iOS (v13.1)

Chrome on Android (v85)

New Additions Shown in Bold

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)

Resolved issues for this Release

This list shows issues solved by SBC R&D team, additional fixes from Tridium are display in "Niagara_4.12 Release Notes.pdf" available through Support page

GALEO-67645	Hondatapointview - Nav tree pointer changed to boxes and Right Click action on parent/child folders are blank once hondatapointview is opened in web station
GALEO-68076	Version is showing as 4.11 in About page under the Under the Host ID
GALEO-68760	SBC 4.12 - Workbench startsup with Zebra theme as default not SBC theme
GALEO-67416	Observed delay updating inputs and last transition details in HonDataPoint view
GALEO-67293	SBC 4.12HOnBacnetUtilities Document and other 12 documents missing in the doc folder of the installer
GALEO-67545	My modules - honRemoteCOnfigTrend - Cannot resolve dependency error
GALEO-65975	Auto/Manual switch is not happening in case of present value update for AI, BI and Multi State Value

Device Template login issue

Issue:
Login after auto logout/server restart does display last page without the deviceTemplate menu, after login when an auto logout, restart of the station or restart of the web server has occurred.

The reason for this is, that the Niagara web server sets a cookie called "niagara_origin_uri" with the latest visited ord.
This cookie is valid until page is closed or reloaded and the deviceTemplate cannot prevent this from happening.

Workaround:
The "niagara_origin_uri" is not set if Same Site option is configured to "none" in a Secure context.

Niagara
1. Go to "Station -> Config -> Services -> WebService"
2. Set the Option "Same Site" to "None"
3. Make sure HTTPS is active

Browsers
Clear all cookies at least for the Niagara webpage.

Note: You must connect via HTTPS to the Niagara web server, if not the solution may not work, or the page is may not working.

This will only have accomplished with latest or higher web browser versions as listed below:

Mobile:
- WebView Android v80
- Chrome Android v80
- Firefox Android (Not Supported!)
- Opera Android v60
- Safari on iOS (Not Supported!)
- Samsung Internet v13

PC:
- Chrome v80
- Edge v86
- Internet Explorer (Not Supported!)
- Opera v71
- Safari (Not Supported!)
- Firefox v69*

*Note: Firefox on PC has not yet set the option "Secure require" from the "SameSite=None" attribute by default (Will be default in future versions).

1. It need to be configured by type in into the address bar: "about:config"
2. Search for "SameSite".
3. Set "network.cookie.sameSite.laxByDefault" to true.
4. Set "network.cookie.sameSite.noneRequireSecure" to true
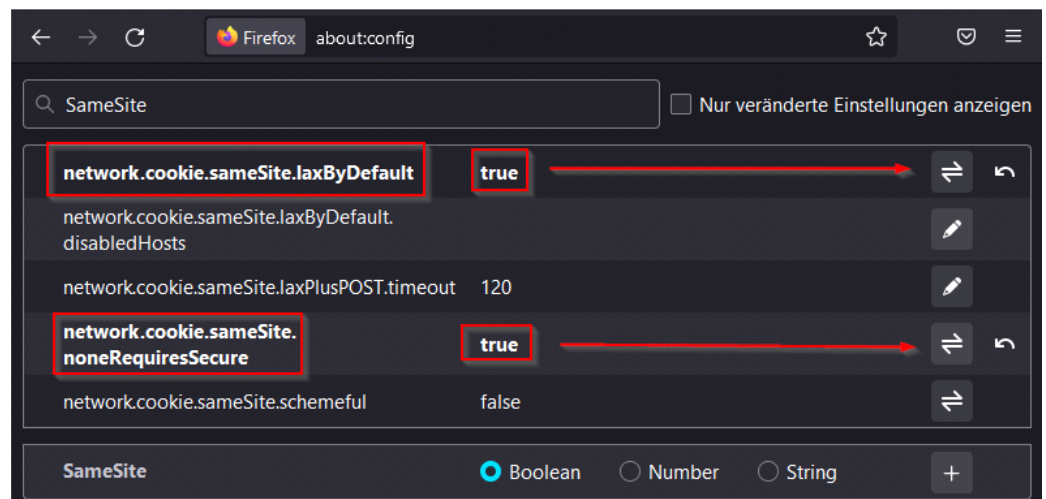
Won't fix issues

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