Release Notes

edgeConnector

Version 2024.01

19/ April / 2024

Product	Deliverable	Version	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2024.01	19.04.24
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2024.01	19.04.24
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2024.01	19.04.24
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V2024.01	19.04.24

1   Important Notes

Due to a change in the license mechanism, previous licenses will not work. A new license called "edgeConnection" should be used starting from V2024.01.

2   New or enhanced features

- Product versioning mechanism updated.
- Simplified new License Model based on PLC/CNC connections called "edgeConnections". New Licenses are counted per Connection at the Softing Floating License Server. The edgeConnections variants are:
  - LRL-XX-161001   edgeConnection – Perpetual License
    - Includes 1 year of Software Upgrades.
  - LMA-XX-161001   edgeConnection – Software Upgrade License
    - Entitles 1 year of Software Upgrades for consecutive years.
- General GUI improvements
- HTTPs GUI webpage is used as default.
- HTTP GUI webpage only activated manually through an ENV variable.
  - ENABLE_HTTP_CONFIG = True
- Improvements of the MQTT Publisher Datasets
- Added support for one dimension Array variables writing via MQTT (as part of subscriber functionality)
- Cache the MQTT trigger variable value if used in the payload and use it in the dataset creation
- General bug fixes.

Product/Component	Image name	Tag	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V3.80	19.01.24
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3.80	19.01.24
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3.80	19.01.24
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V3.80	19.01.24

1 New or enhanced features

❐ ARM32 bit support for edgeConnector Modbus, Siemens, and 840D versions.

❐ Running Platform Architecture shown in the GUI.

❐ Running Platform Architecture shown in the Log files at start-up.

❐ LM-X License Server updated to V5.5.

2 Bug Fixes

❐ **ID 883:** SIS Starts in halted mode after rebooting the PC/Server.

❐ **ID 887:** SDFI parser: nested struct arrays.

❐ **ID 961:** Null values in edgeConnectors advanced setting page.

❐ **ID 970/987:** MQTT Module sending "NULL" values.

❐ **ID 980:** License Server Configuration not confirming saved changes.

❐ **ID 981:** MQTT-Sinumerik. No initial status code is published.

3 Known issues/limitation

❐ edgeConnectors V3.80 require Softing License Server V4.63 to license the product. No backward compatibility with previous Softing License Server versions.

Product/Component	Image name	Tag	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V3.70	16.10.23
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3.70	16.10.23
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3.70	16.10.23
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V3.70	16.10.23

4 New or enhanced features

❒ Extended Tooling Support – Tool Monitoring, Duplo Tools, OEM Variables.

❒ Dynamic Alarm Handling by using a max fixed array size.

❒ Implementation of Security Features updates.

❒ Ability to access certificate protected (TLS) devices (Siemens S7-1200/1500).

❒ [GUI] Default License Server port displayed as floating text.

❒ [GUI] NCK and Controller Connections on by default.

5 Bug Fixes

❒ **ID 477:** Add "Access Tooling Area" to log files.

❒ **ID 677:** Rest interface stops responding on reads from multiple MQTT connections.

❒ **ID 865:** PSIRT 2023-13 - DoS - S7 malformed name with big length.

❒ **ID 879:** Mismatch between OPC UA Common Name certificates and the edgeConnector version.

❒ **ID 902:** Fixed broken web link in the PLC Connection Settings help page (840D).

❒ **ID 936:** Creation of INVALID_COUNT_XX in Sinumerik Tooling.

❒ **ID 955:** MQTT Advanced Trigger break after a change in the settings.

❒ **ID 957:** Failure to connect through S7-2 protocol without TLS.

6 Known issues/limitation

❒ None

Product/Component	Image name	Tag	Date
edgeConnector FANUC CNC	softingindustrial/edgeconnector-fanuc-cnc	V3.60	31.07.23

7 New or enhanced features

edgeConnector FANUC CNC

❒ New Product variant **edgeConnector FANUC CNC**

❒ Support for FANUC 0i-, 30-i, and PM-i CNC Series data

❒ Support for FANUC NCGuide (Simulator)

❒ Symbol Import as TXT file for PLC (PMC) area

❒ Application runs as Docker Container in Linux environments (AMD64)

❒ Local web-based user interface

❒ REST API Interface

❒ MQTT Publisher & Subscriber

❒ OPC UA Services

❒ Prometheus Metrics Information

❒ Demo-Mode with 72h runtime

❒ Licensing via Softing Floating License Server

8 Bug Fixes

❒ none

9 Known issues/limitation

❒ None

Product/Component	Image name	Tag	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V3.50	19.06.23
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3.50	19.06.23
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3.50	19.06.23

10 New or enhanced features

❒ ARM 64 bits support

❒ Automatic session logout: 15 minutes

❒ Admin password change request at first sign-in.

❒ [GUI] Rename of PLC section name into Controller.

11 Bug Fixes

❒ **ID 593:** LM-X server issue - REPLACE directive licenses not working properly.

12 Known issues/limitation

❒ **ID 821:** PSIRT 2023-03 Session Theft due to XSS

❒ **ID 822:** PSIRT 2023-04 Loading Remote Javascript Scripts

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edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V3_40	09.02.23
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3_40	09.02.23
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3_40	09.02.23

13 New or enhanced features

☐ LDAP/LDAPS support for HTTP/HTTPS users validation

☐ Added support for metric information for providing data to Prometheus

☐ Logging for Kubernetes

☐ Support for MQTT V5

☐ Support for MQTT store and forward

☐ Extend MQTT trigger with logical operations (LUA editor)

☐ Support of MQTT Trigger with logical operations at bool items

☐ Extension of the MQTT Subscriber functionality to enable the target data point definition for the use of dynamic placeholders

☐ Extension of the MQTT Publisher functionality to enable the Source data point definition for the use of dynamic placeholders

☐ Extension of the MQTT Publisher/Subscriber functionality to use an incoming MQTT Message (Subscriber) as a Trigger for an outgoing MQTT Message (Publisher)

☐ Support for MQTT Authentication with Certificate Chain

☐ Siemens S7-300 and S7-400 Arrays Support

14 Bug Fixes

☐ **ID 164:** Deadlock when a publish request payload is modified

☐ **ID 310:** Error message does not match on Confirm password input field

☐ **ID 666:** GUI headers are shown as untranslated

☐ **ID 671:** MQTT config file is not parsed correctly when a new subscribe request with an empty payload definition is created

☐ **ID 672:** JSON validation fails with special characters

☐ **ID 673:** Inconsistent address space tree information at MQTT publisher and subscriber

☐ **ID 674:** Rest API allows configuration of Subscribe request with empty Key for the Key: Value pair is not working correctly

❒ **ID 681:** GUI does not respond after trying to edit a connection which has "PersistanceInFS" enabled

❒ **ID 682:** Exception when switching publish mode to "Data Point Triggered"

❒ **ID 683:** Changing the triggering subscribe request for an MQTT publisher has no effect

❒ **ID 685:** The information shown for selecting the MQTT Trigger source is NOT READABLE

❒ **ID 686:** The default MQTT Trigger Request selection is a dummy option

❒ **ID 687:** Error message on trying to save a publisher without selecting the MQTT Trigger request

❒ **ID 693:** MQTT Message Triggered publish mode copies the payload from standard triggered mode

❒ **ID 699:** Placeholder appears in the template, but not defined when copy/paste a valid payload in the payload definition

❒ **ID 702:** Payload nodes are not in the same order as in the double-clicked/drag and dropped folder

15 Known issues/limitation

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❒ **ID 29:** Navigation Button does not work, when already selected in navigation panel

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❒ **ID 76:** Support of special S7 Syntax with SDFI-Import

❒ **ID 84:** S7-72 connection is not seen in OPC UA Objects if never online

❒ **ID 89:** Unreachable license server blocks GUI for about two minutes

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❒ **ID 185:** Got empty alarm frames every 20ms when no active alarm (PL)

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❒ **ID 255:** The NCK Alarm Nodes show incorrect array dimensions

❒ **ID 288:** App is not up and running after backup and restore configuration in special case (MQTT uses PLC items no longer available)

❒ **ID 542:** The sampling interval for the second monitored item on the same variable is not correctly handled

❒ **ID 543:** Monitored items for MQTT publish requests are not deleted properly in specific circumstances

☐ **ID 545:** Monitored items cannot be deleted after a user is removed from an UA endpoint

☐ **ID 586:** MQTT Publisher is not publishing after backup restore until a restart of the application is made

☐ **ID 636:** Application Certificates for Mqtt Connections are not displayed correctly

☐ **ID 642:** generation of the automatic backup generation is not working correctly in a certain scenario

☐ **ID 643:** OPC UA Monitored items are not handled correctly if the session closes while they are being created

☐ **ID 644:** The audit log doesn't trace failed authentication attempts correctly

☐ **ID 659:** Creation of a MQTT user, shows an exception at Certificate generation

☐ **ID 800:** Additional authentication with the same user do not logout the first one

☐ **ID 811:** The REST call for system restart should not return before the system restart is actually initiated

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edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3_10	23.06.22
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3_10	23.06.22

16 New or enhanced features

❐ Default Values at Certification Generation

❐ Change Default Value for OPC UA Endpoint Security

17 Bug Fixes

❐ Security Vulnerability: CVE-2021-40873

❐ **ID 462:** The Tabs headers in GUI are not translated to German

❐ **ID 476:** MQTT Publish module does not send in correct publish interval

❐ **ID 492:** Containerized license server muss be started only after the edgeConnector is running

❐ **ID 493:** Selected address space cannot be saved

❐ **ID 519:** After restarting the Container, the EdgeConnector in status halted

❐ **ID-521:** GUI is not accessible after editing MQTT Connection

❐ **ID-527:** MQTT Publisher: NULL values sent after a runtime restart

❐ **ID 528:** An MQTT connection having assigned only subscribe requests can be deleted without any warning

❐ **ID 535:** Cannot add payload with special characters

❐ **ID-536:** Save MQTT Publisher Request with special characters return internal error

❐ **ID-544:** Help button disappears when "Trigger Data Point Selection" page is open

❐ **ID-648:** edgeConnector 840D consumes 2 connection resources from license pool

18 Known issues/limitation

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❒ **ID 428:** Browse Namespace with Attributes via REST API blocks OPC UA Browse/Read

❒ **ID 542:** The sampling interval for the second monitored item on the same variable is not correctly handled

❒ **ID 543:** Monitored items for MQTT publish requests are not deleted properly in specific circumstances

❒ **ID 545:** Monitored items cannot be deleted after a user is removed from an UA endpoint

❒ **ID 586:** MQTT Publisher is not publishing after backup restore until a restart of the application is made

❒ **ID 591:** MQTT Sampling interval not working properly

❒ **ID 636:** Application Certificates for Mqtt Connections are not displayed correctly

❒ **ID 642:** generation of the automatic backup generation is not working correctly in a certain scenario

❒ **ID 643:** OPC UA Monitored items are not handled correctly if the session closes while they are being created

❒ **ID 644:** The audit log doesn't trace failed authentication attempts correctly

❒ **ID 659:** Creation of a MQTT user, shows an exception at Certificate generation

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edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3_00	21.04.22
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3_00	21.04.22

19 New or enhanced features

❒ Security Vulnerability: PATH TRAVERSAL

❒ Security Vulnerability: FILE UPLOAD

❒ Security Vulnerability: BLOCKING ACCESS TO THE APPLICATION

❒ Security Vulnerability: WEAK HASHING ALGORITHM (Login Credentials)

❒ Security Vulnerability: PERSISTENT CROSS-SITE-SCRIPTING (XSS)

❒ Security Vulnerability: INCORRECT INVALIDATION OF THE SESSION

❒ Security Vulnerability: SESSION IDENTIFIER IN THE URL

❒ Security Vulnerability: USER ENUMERATION

❒ REST API Improvements

❒ New license handling

❒ Rest API enhancements to support cloud based remote configuration through edgeConfigurator 1.0 (Azure support enabled for v1.0)

❒ Increase 840D maximum supported connections from 5 to 20

20 Bug Fixes

❒ **ID 454:** Application hangs during release of Modbus connections and related release of licenses

❒ **ID 425:** The edgeConfigurator on premise doesn't work as an IoT Edge Module.

❒ **ID 490:** Unhandled promise rejection on non existing remote.

❒ **ID 494:** API call hangs with 'invalid signature' message

❒ **ID 503:** Advanced settings for S7300/400 PLCs documentation missing

❒ **ID-514:** Binary file transfer doesn't work through the edgeConfigurator

❒ **ID-614:** User with "??" is not accepted

21 Known issues/limitation

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- [ ] **ID 84:** S7-72 connection is not seen in OPC UA Objects if never online

- [ ] **ID 89:** Unreachable license server blocks GUI for about two minutes

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- [ ] **ID 519:** After restarting of the Container the application is in halted status

- [ ] **ID 542:** The sampling interval for the second monitored item on the same variable is not correctly handled

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- [ ] **ID 545:** Monitored items cannot be deleted after a user is removed from an UA endpoint

- [ ] **ID 586:** MQTT Publisher is not publishing after backup restore until a restart of the application is made

- [ ] **ID 591:** MQTT Sampling interval not working properly

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edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2-35	21.01.22
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-35	21.01.22
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-35	21.01.22
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2-35-1	02.02.22
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-35-1	02.02.22
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-35-1	02.02.22

22 New or enhanced features

❒ Extension of the "Datapoint Trigger" mechanism with the option to use leading edge, falling edge, or changed on variables from data type bool as a trigger

❒ Extension of the "Datapoint Trigger" mechanism with the option to use variables of the data type "Integer" as a trigger

❒ Increase the number of Publish Requests to 100 per MQTT connection

❒ Increase the number of Subscription Requests to 100 per MQTT connection

❒ Improve performance on loading data for MQTT Publisher and Subscriber overview tables

23 Bug Fixes

❒ **ID 566:** Some parts of the GUI are not shown correctly on edgeConnector MODBUS (Patch1)

❒ **ID 462:** Some Tab headers are not translated to German

❒ **ID 476:** MQTT Publish module does not send at correct publish intervals

❒ **ID 491:** After restoring a Configuration Backup from Version 2.05 into 2.31 the MQTT Payload is no longer editable

❒ **ID 493:** Selected address space cannot be saved

❒ **ID 521:** GUI is not accessible after editing MQTT Connections

❒ **ID 524:** The title of the License agreement page is broken

❒ **ID 528:** MQTT connection can be deleted without any warning about assigned MQTT subscription requests

❒ **ID 535:** Not possible to add MQTT payload with special characters

❒ **ID 544:** Help button disappears when "Trigger Data Point Selection" page is open

❒ **ID 551:** Select button doesn't have German translation

24 Known issues/limitation

❒ **ID 27:** Denial of Service on web interface by deleting the user's authentication token

edgeConnector Siemens, edgeConnector 840D, edgeConnector Modbus   14

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edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-31	30.09.21
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-31	30.09.21

25 New or enhanced features

☐ Support additional special characters in User Name (Needed for MQTT connections to some cloud providers)

26 Bug Fixes

☐ **ID 449** MQTT connection information is not correctly shown

☐ **ID 455** MQTT Broker URI does not change the protocol when the protocol is changed via the radio buttons

☐ **ID 373** Not all windows remain centered at the Internet Browser "zoom"

27 Known issues/limitation

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edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-30	19.08.21

28 New or enhanced features

❑ Support for MQTT Subscriber functionality

❑ Support for automatic data type conversion for MQTT Subscriber received data

❑ MQTT Publisher data point triggered publish

29 Bug Fixes

❑ **ID 343** Sporadic crash of application when stressing MQTT test connection in special situations

❑ **ID 444** Extend the max length of Full Hierarchical Topic Name for MQTT Messages

❑ **ID 412** MQTT payload configuration contains a new line after a placeholder

❑ **ID 410** After update Google Chrome, some Table are not correctly shown

❑ **ID 443** Missing quotas for published payload string values

30 Known issues/limitation

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edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-21-1	23.06.21
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-21-2	16.07.21
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-21-2	16.07.21
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2-21-2	16.07.21

1   New or enhanced features

edgeConnector Modbus

❒   Includes certificate-based authentication to MQTT broker

❒   Support for web-socket based MQTT connections

❒   Support for secured MQTT connections (SLL, WSS protocols)

❒   Support for connections to MQTT cloud providers (Azure, AWS)

2   Bug Fixes

❒   **ID 289:** License expiration data is not displayed correctly (patch2)

❒   **ID 410:** Some parts of the UI are not accessible with latest Google Chrome version (patch1)

❒   **ID 423:** Changes in address Space filter settings cannot be saved (patch2)

3   Known issues/limitation

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❒   **ID 92:** Read result of powerline nck Drives area does not always match value from HMI

❒   **ID 157:** Last Will & Testament - No character number limit is set for 'Message' field in GUI

❒   **ID 158:** Address Space Overview: Status icon is missing from 'Destination' dialog

❒   **ID 159:** Address Space Overview: 'Sources' dialog is missing 'Address' and 'Status' information

❒   **ID 185:** Got empty alarm frames every 20ms when no active alarm (PL)

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- ☐ **ID 215:** MQTT - ActiveAlarmJson: Publish request is send multiple times with empty alarm array

- ☐ **ID 241:** Endpoint Thumbprint is changing after backup/restore

- ☐ **ID 245:** Network interruptions cause the application to lose the connection to an S7-300

- ☐ **ID 248:** Endpoint URL showing host name after import configuration

- ☐ **ID 255:** The NCK Alarm Nodes show incorrect array dimensions

- ☐ **ID 425:** Unresponsive app. when browsing big/deep address space with address space filter page

Product/Component	Image name	Tag	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2-20	01.06.21

1 New or enhanced features

❒ New Product variant edgeConnector Modbus

❒ Support for Modbus TCP PLCs and Sensors

❒ Read/Write/Subscribe Scalar datatypes (BIT, WORD, DWORD, REAL, INT, DINT, DOUBLE)

❒ Advanced Settings for changing Byte Order, Swap Settings, Unit ID etc.

❒ Symbolimport via Textfile with Modbus Item Syntax

2 Bug Fixes

❒ **ID 362:** unitid 0 not correctly dispalyed in GUI

3 Known issues/limitation

❒ **ID 27:** Denial of Service on web interface by deleting the user's authentication token

❒ **ID 29:** Navigation Button does not work, when already selected in navigation panel

❒ **ID 75:** S7-300/400 Unsupported datatypes shown as folder with SDFI-Import

❒ **ID 76:** Support of special S7 Syntax with SDFI-Import

❒ **ID 84:** S7-72 connection is not seen in OPC UA Objects if never online

❒ **ID 89:** Unreachable license server blocks GUI for about two minutes

❒ **ID 92:** Read result of powerline nck Drives area does not always match value from HMI

❒ **ID 157:** Last Will & Testament - No character number limit is set for 'Message' field in GUI

❒ **ID 158:** Address Space Overview: Status icon is missing from 'Destination' dialog

❒ **ID 159:** Address Space Overview: 'Sources' dialog is missing 'Address' and 'Status' information

❒ **ID 185:** Got empty alarm frames every 20ms when no active alarm (PL)

❒ **ID 197:** Predefined Alarm text and alarm Parameters are missing

❒ **ID 199:** Powerline Ch1_LineContent is not displayed correctly

❒ **ID 215:** MQTT - ActiveAlarmJson: Publish request is send multiple times with empty alarm array

❒ **ID 241:** Endpoint Thumbprint is changing after backup/restore

❒ **ID 245:** Network interruptions cause the application to lose the connection to an S7-300

❒ **ID 248:** Endpoint URL showing host name after import configuration

❒ **ID 255:** The NCK Alarm Nodes show incorrect array dimensions

Product/Component	Image name	Tag	Date
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-10	26.05.21
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-10	26.05.21

1 New or enhanced features

Common

❐ New licenses approach based on node id access (datapoint licensing) for individual node access

❐ Provides install scripts of floating licensing server for Linux

❐ Includes certificate-based authentication to MQTT broker

❐ Support for web-socket based MQTT connections

❐ Support for secured MQTT connections (SLL, WSS protocols)

❐ Support for connections to MQTT cloud providers (Azure, AWS)

❐ Improvements in Online Help

2 Bug Fixes

❐ **ID 200:** Username and password config should allow cloud platform usernames and passwords

❐ **ID 222:** Synchronization between destroying and creation of a MQTT connection

❐ **ID 231:** The first data update for an MQTT publish request is lost

❐ **ID 232:** Sending an MQTT message blocks the client module thread with risk of data loss

❐ **ID 236:** [GUI] The application sends multiple DELETE request for deleting a rejected certificate

❐ **ID 237:** [GUI] After performing a connection from the connection overview page the GUI will try to obtain the Trusted and Rejected certificates.

❐ **ID 238:** Issue when the same certificate is imported into trusted and rejected directory

❐ **ID 240:** Remove all certificates from trusted directory when a new certificate is imported

❐ **ID 260:** Test connection is not working from Connection page

❐ **ID 264:** MQTT publisher overview shows horizontal scrollbar

❐ **ID 266:** Periodic data update not applied correctly in the PLC client module

❐ **ID 271:** The request for deleting sessionID is sent even if the connection is saved

❐ **ID 272:** When a new MQTT connection is created we get "Unknown sessionId" error

❐ **ID 280:** Retrieve certificate is not working when MQTT proxy is configured for WSS connection

❐ **ID 292:** edgeConnector840D: Help Button is missing for PLC settings

❐ **ID 305:** Hawk Library issue with S7-2 redundancy mechanism

❐ **ID 381:** The Address Space destinations dialog shows faulty content in some special cases

3   Known issues/limitation

❒   **ID 27:** Denial of Service on web interface by deleting the user's authentication token

❒   **ID 29:** Navigation Button does not work, when already selected in navigation panel

❒   **ID 75:** S7-300/400 Unsupported datatypes shown as folder with SDFI-Import

❒   **ID 76:** Support of special S7 Syntax with SDFI-Import

❒   **ID 84:** S7-72 connection is not seen in OPC UA Objects if never online

❒   **ID 89:** Unreachable license server blocks GUI for about two minutes

❒   **ID 92:** Read result of powerline nck Drives area does not always match value from HMI

❒   **ID 157:** Last Will & Testament - No character number limit is set for 'Message' field in GUI

❒   **ID 158:** Address Space Overview: Status icon is missing from 'Destination' dialog

❒   **ID 159:** Address Space Overview: 'Sources' dialog is missing 'Address' and 'Status' information

❒   **ID 185:** Got empty alarm frames every 20ms when no active alarm (PL)

❒   **ID 197:** Predefined Alarm text and alarm Parameters are missing

❒   **ID 199:** Powerline Ch1_LineContent is not displayed correctly

❒   **ID 215:** MQTT - ActiveAlarmJson: Publish request is send multiple times with empty alarm array

❒   **ID 241:** Endpoint Thumbprint is changing after backup/restore

❒   **ID 245:** Network interruptions cause the application to lose the connection to an S7-300

❒   **ID 248:** Endpoint URL showing host name after import configuration

❒   **ID 255:** The NCK Alarm Nodes show incorrect array dimensions

❒   **ID 288:** App is not up and running after backup and restore configuration in special case (MQTT uses PLC items no longer available)

❒   **ID 250:** Initial value is sent twice from modules using VariableNode from SDK

❒   **ID 343:** Sporadic crash of application when stressing MQTT test connection

❒   **ID 373:** [GUI] Not all windows remain centered at zoom

❒   **ID 372:** Memory leak in PkiStoreManager class used in OpcUaClient module

Product/Component	Image name	Tag	Date
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-05	17.02.21
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-05	17.02.21

1 New or enhanced features

edgeConnector 840D

❐ Enhanced the automated tooling data

Common

❐ Switched to Datapoint/Tag-based licensing model (monitoring, read/write)

❐ Demo mode with 72h runtime now only allows 100 data points/tags

❐ Updated Rest-API description – available on request

2 Removed features

❐ Removed connection-based licensing model

❐ Removed connection-based demo mode

3 Bug Fixes

❐ **ID 74:** Timer and Counter are not imported with correct datatype with SDFI-Import

❐ **ID 129:** Unreasonable CPU load with SINUMERIK connection

❐ **ID 144:** Crash when unsubscribe nodes with UA

❐ **ID 206:** Subscribed nodes got "BadDisconnect" after PLC restart

❐ **ID 209:** 840D PLC alarms in wrong order

❐ **ID 210:** 840D intermittent PLC alarm on data change events for PLC alarm nodes

❐ **ID 212:** Subscriptions failure with S7-300 PLC connection

❐ **ID 214:** Duplicated alarms in node ActiveAlarmsJson in 840D

❐ **ID 217:** Tooling - Spindle does not show Monitor information

❐ **ID 218:** Performance problem with onDataChangeEvent for user generated PLC alarm

❐ **ID 219:** Tooling nodes which contains no values switch quality

❐ **ID 220:** OnDataChangeEvent with Null content for PLC Alarms

❐ **ID 222:** Synchronization between deleting and creation of a mqtt connection

4 Known issues/limitation

❐ **ID 27:** Denial of Service on web interface by deleting the user's authentication token

- ☐ **ID 29:** Navigation Button does not work, when already selected in navigation panel

- ☐ **ID 75:** S7-300/400 Unsupported datatypes shown as folder with SDFI-Import

- ☐ **ID 76:** Support of special S7 Syntax with SDFI-Import

- ☐ **ID 84:** S7-72 connection is not seen in OPC UA Objects if never online

- ☐ **ID 89:** Unreachable license server blocks GUI for about two minutes

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- ☐ **ID 157:** Last Will & Testament - No character number limit is set for 'Message' field in GUI

- ☐ **ID 158:** Address Space Overview: Status icon is missing from 'Destination' dialog

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- ☐ **ID 185:** Got empty alarm frames every 20ms when no active alarm (PL)

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- ☐ **ID 215:** MQTT - ActiveAlarmJson: Publish request is send multiple times with empty alarm array

- ☐ **ID 241:** Endpoint Thumbprint is changing after backup/restore

- ☐ **ID 245:** Network interruptions cause the application to lose the connection to an S7-300

- ☐ **ID 248:** Endpoint URL showing host name after import configuration

- ☐ **ID 255:** The NCK Alarm Nodes show incorrect array dimensions

- ☐ **ID 292:** edgeConnector840D: Help Button is missing for PLC settings

Product/Component	Image name	Tag	Date
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-00	30.09.20
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-00	30.09.20

1   New or enhanced features

edgeConnector 840D

❒   Changed the alarm format for NCK alarms

❒   Provide automated tooling data

❒   Support user defined alarms (SolutionLine)

Common

❒   Support for MQTT Protocol and possible connection to a MQTT Broker

❒   MQTT Broker Connection w/o encryption

❒   Configuration page for MQTT (Connection, Payload, Topic, Advanced Settings, QoS)

2   Bug Fixes

❒   **ID 47:** Support Data Download not working

❒   **ID 187:** PL Drive and IO alarm has no text in 840D

❒   **ID 190:** Tooling internal subscription cause performance issue

3   Known issues/limitation

❒   **ID 27:** Denial of Service on web interface by deleting the user's authentication token

❒   **ID 29:** Navigation Button does not work, when already selected in navigation panel

❒   **ID 75:** S7-300/400 Unsupported datatypes shown as folder with SDFI-Import

❒   **ID 76:** Support of special S7 Syntax with SDFI-Import

❒   **ID 84:** S7-72 connection is not seen in OPC UA Objects if never online

❒   **ID 89:** Unreachable license server blocks GUI for about two minutes

❒   **ID 92:** Read result of powerline nck Drives area does not always match value from HMI

❒   **ID 185:** Got empty alarm frames every 20ms when no active alarm (PL)

❒   **ID 197:** Predefined Alarm text and alarm Parameters are missing

❒   **ID 199:** Powerline Ch1_LineContent is not displayed correctly

❒   **ID 206:** Subscribed nodes got "BadDisconnect" after PLC restart

❒   **ID 209:** 840D PLC alarms in wrong order

❒   **ID 210:** 840D intermittent PLC alarm on datachange events for PLC alarm nodes

❐ **ID 212:** Subscriptions failure with S7-300 PLC connection

❐ **ID 214:** Duplicated alarms in node ActiveAlarmsJson in 840D

❐ **ID 217:** Tooling - Spindle does not show Monitor information

❐ **ID 218:** Performance problem with onDataChangeEvent for user generated PLC alarm

❐ **ID 219:** Tooling nodes which contains no values switch quality

❐ **ID 220:** OnDataChangeEvent with Null content for PLC Alarms

❐ **ID 222:** Synchronization between deleting and creation of a mqtt connection

Product/Component	Image name	Tag	Date
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V1-20	27.07.20
edgeConnector 840D	softingindustrial/edgeconnector-840d	V1-20	27.07.20

1   New or enhanced features

edgeConnector Siemens

❒ Support for Siemens S7-300/400 PLCs

❒ Symbol Import for S7/TIA Projects as sdfi File

❒ Connection Configuration for Siemens S7-300/400 PLCs

❒ S7-Simulation Mode (simulated S7-1500 with random data change events)

edgeConnector 840D

❒ Improved stability from the PLC/NCK connection

❒ Improved speed – parallel requests

❒ Subscribe PLC alarms

❒ Support of reading GUD-variables and R-Parameters

Common

❒ Enhanced stability/performance for all PLC connections

❒ License error handling improvements

❒ Extended Documentation & Help

❒ Backup and restore configuration

2   Bug Fixes

❒ **ID 47:** Support Data Download not working

❒ **ID 48:** Help button is not working (404)

❒ **ID 93:** Application crash when trying to restore/backup configuration

❒ **ID 96:** S7-300/400 connection Bool Array value is null

❒ **ID 98:** GetEnpoints returns invalid format for 4 endpoints

❒ **ID 103:** S7 Simulator: invalid range of random generated values of datatype DateTime

❒ **ID 105:** Status code of items from S7 simulator shows Good when simulator is disconnected

3   Known issues/limitation

❒ **ID 75:** S7-300/400 Unsupported datatypes shown as folder

❒ **ID 89:** Unreachable license server blocks GUI for about two minutes

Product/Component	Image name	Tag	Date
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V1-10	04.06.20
edgeConnector 840D	softingindustrial/edgeconnector-840d	V1-10	04.06.20
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V1-10-1	30.06.20
edgeConnector 840D	softingindustrial/edgeconnector-840d	V1-10-1	30.06.20

1 New or enhanced features

edgeConnector Siemens

❒ License handling for dynamic connections

❒ Update of S7 protocol library (patch1)

edgeConnector 840D

❒ Read/Subscribe Data from NCK Area SolutionLine/PowerLine

❒ Read/Write/Subscribe Data from PLC Area SolutionLine/PowerLine

❒ Symbol Import – awl-files for NCK, sdfi-files for PLC

❒ Integration of pre-defined symbol files for NCK and PLC area

❒ Subscribe NCK alarms

❒ Show status of PLC+NCK connection

Common

❒ GUI Improvements (license overview, menu structure, headlines, icons, etc.)

❒ License error handling and fallback

❒ Documentation and help available at GitHub

2 Bug Fixes

❒ **ID 49:** OPC UA quality of subscribed value does not reflect connection state

❒ **ID 52:** Connection configuration edit triggers a reconnect even without no changes

❒ **ID 73:** License overview displays wrong/not matching licenses

❒ **ID 81:** Cannot load sdfi file

❒ **ID 86:** Adding license server results in http error 500

3 Known issues/limitation

❒ **ID 47:** Support Data Download not working

❒ **ID 48:** Help button is not working (404)

Product/Component	Image name	Tag	Date
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	v1-00	14.4.20

1   New or enhanced features

- ☐   Application runs as Docker Container in Linux environments
- ☐   Local web-based user interface
- ☐   Support for Siemens S7 1200/1500 PLCs
- ☐   Connection Configuration for Siemens S7 1200/1500 PLCs
- ☐   OPC UA Services – OPC UA Browse/Read/Write/Subscribe
- ☐   Demo-Mode with 72h runtime
- ☐   Licensing via Softing Floating License Server

2   Bug Fixes

- ☐   none

3   Known issues/limitation

- ☐   **ID 47:** Support Data Download not working
- ☐   **ID 48:** Help button is not working (404)
- ☐   **ID 49:** OPC UA quality of subscribed value does not reflect connection state