optimize!
softing

Release Notes

edgeConnector/ edgeAggregator

Version 2025.03

July / 2025

Product	Deliverable	Version	Date
edgeConnector	softingindustrial/edgeconnector edgeconnector_V2025.03_amd64.tar.gz edgeconnector_V2025.03_arm_v7.tar.gz edgeconnector_V2025.03_arm64.tar.gz	V2025.03	21.07.2025
edgeConnector Allen-Bradley PLC	softingindustrial/edgeconnector-allen-bradley-plc	V2025.03	21.07.2025
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2025.03	21.07.2025
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2025.03	21.07.2025
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2025.03	21.07.2025
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V2025.03	21.07.2025
edgeAggregator	softingindustrial/edgeaggregator	V2025.03	21.07.2025

1. New or enhanced features

- S7: Driver general improvements.
- S7: New data types: Timer, S5-Tim, and Counter as human readable format
- S7: New data types: LInt, ULInt, SUInt, and LReal
- FANUC: Enable PMC & Macros write functionality
- FANUC: Enable PMacros area (RW)
- SINUMERIK 840D: Enable Writing functionality
- Disable usage of TLS1.0 and TLS1.1 on HTTPS interface

2. Fixed issues

- DF 1373: Error when press X to check Status of disabled mapped
- DF 1021: Failed to upload large SDFI file
- DF 1335: No default awl file nor default SDFI file in docker image edgeconnector
- DF 1192: [GUI] Add scroll bar for both lists in standard/mapped Address space Destinations
- DF 1316: RefreshConnectionsLive does not work if not click before OPC UA Client Application Settings page to set SGUI.ClientActivate
- DF 1317: Incorrect Enabled state after disabled PLC connection for Sinumerik

- DF 1326: Admin is part of the OPC UA group

- DF 1348: MQTT Subscriber does not release the address space sight name correctly

- DF 1346: Saving endpoint with new certificate edited is not working properly

- DF 1065: edgeconnector-UI Restart pop-up window truncated buttons

- DF 1321: Cannot download all files in user certificates

- DF 1329: License Overview page is refreshed every 5 seconds even though we have no change in license details.

- DF 1356: edgeConnector Fanuc Crashes When Importing PMC File with Missing Variable Names

- DF 1371: Crash when connection to s7-1500 breaks

- DF 1367: Adding PLC connection with "localhost" address crashes the application

- DF 1369: Modifying "TCP Port" number in Advanced Settings for an Allen Bradley or Siemens S7-72 active connection crashes the application

- DF 1370: Modifying some advanced connection parameters for AB connection crashes the application

- DF 1381 Incorrect message at change username and change groups

3. Known issues

- CVE-2022-49043: [DF-1320]: - xmlXIncludeAddNode

- CVE-2025-49794, CVE-2025-49796: [DF-1382]: Vulnerability found in libxml2 by trivy

- DF 747: Missing routing on aggregator from /runtime/core/metrics to /metrics

- DF 800: Old and new style authentication do not forcefully log out each other

- DF 811: The REST call for system restart should not be returned before the system restart is initiated

- DF 1256: Browse calls on node Ids with large number of references provide faulty results in different scenarios

- DF 1265: Internal error while adding a note to a mapped address space

- DF 1272: Add valuable text to the address Space Overview at Status good.

- DF 1277: OPC UA Standard Nodeset is not correctly displayed when missing (uploaded AS version higher than loaded one)

- DF 1280: Incorrect error message displayed for an AS that already exists

- DF 1303: Wrong message tooltip at enabled connection icon in Status halted

- DF 1307: Required flag missing from the used companion specs in the mapped address space wizard

- DF-1310: The connection test displays wrong error message

- DF-1318: Unable to Connect to OPC UA Server of S7 1500 with Encrypted Communication under certain scenarios

- DF-1319: The Show EP EndpointDescriptions functionality doesn't work as expected

- DF-1337: License details table updated with long delay after License Server is stopped

- DF-1384: edgeconnector Fanuc: OPCUA Server shall handle/enforce the node permissions

Product	Deliverable	Version	Date
edgeConnector	softingindustrial/edgeconnector edgeconnector_V2025.02_amd64.tar.gz edgeconnector_V2025.02_arm_v7.tar.gz edgeconnector_V2025.02_arm64.tar.gz	V2025.02	18.02.2025
edgeConnector Allen-Bradley PLC	softingindustrial/edgeconnector-allen-bradley-plc	V2025.02	18.02.2025
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2025.02	18.02.2025
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2025.02	18.02.2025
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2025.02	18.02.2025
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V2025.02	18.02.2025
edgeAggregator	softingindustrial/edgeaggregator	V2025.02	18.02.2025

4. New or enhanced features

- Support for companion Specifications
- Assisted GUI wizard for creating the mapped address spaces
- Manage the mapped address space dependencies on companion specs directly in the GUI wizard
- Added the management of mapped address space nodes (create/edit/delete) using the GUI
- Creation of mapped address space object instances based on the object's definition from Companion Specifications
- Writing from MQTT Subscriber to Read Only Variables and Properties
- Special handling for connecting to OPC UA servers providing faulty Nonce Messages or Endpoint Descriptions
- MQTT Subscriber: Add Possibility to write variables of type ENUM and LocalizedText

5. Fixed issues

- **ID 519:** After restarting Container, EdgeConnector in status halted
- **ID 645:** A user can be logged in multiple times at the same time
- **ID 733:** Cannot insert text in front of a placeholder in Advanced Trigger tab (LUA script editor)

- ID 898: 401 Unauthorized status code when a user connects from multiple places

- ID 958: OPC UA User is wrongly displayed on OPC UA Client page

- ID 961: Null values in the edgeConnector Siemens S7 1200/1500 advanced setting page

- ID 979: Writing Char-Arrays via MQTT not working

- ID 993: Provided Metric "Status" "Operation" is not correct after pressing "Restart"-Button

- ID 995: MQTT publish messages sent, containing "Null" Values during runtime

- ID 1005: Backend creates successfully a mapped address space with invalid characters in the name

- ID 1011: Error message not shown when not available user for OPC UA Connection and MQTT Connection

- ID 1038: Error message with dataPointTrigger when publish mode is Standard

- ID 1107: MQTT Publisher: Publisher Request Timeout is not used immediately after the save button was pressed

- ID 1163: Data Point Trigger cannot be selected, when changing from "Advanced Trigger" to "Data Point Triggered"

- ID 1171: At creation of a new Publisher, changing repeatedly PublishMode could lead to impossibility to save

- ID 1238: Fanuc node set file not properly loaded

- ID 1293: Reset To Default button on OPC UA Client connection Advanced Settings page doesn't work correctly

Product	Deliverable	Version	Date
edgeConnector	softingindustrial/edgeconnector edgeconnector_V2025.01_amd64.tar.gz edgeconnector_V2025.01_arm_v7.tar.gz edgeconnector_V2025.01_arm64.tar.gz	V2025.01	20.01.2025
edgeConnector Allen-Bradley PLC	softingindustrial/edgeconnector-allen-bradley-plc	V2025.01	20.01.2025
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2025.01	20.01.2025
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2025.01	20.01.2025
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2025.01	20.01.2025
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V2025.01	20.01.2025
edgeAggregator	softingindustrial/edgeaggregator	V2025.01	20.01.2025

6. New or enhanced features

- S7: optimized read from PLC
- S7: optimized write to PLC
- S7: support arrays of Structs
- S7: support Bool Arrays
- FANUC - Read System Range Variables

7. Removed features

- S7+ Simulation documentation

8. Fixed issues

- ID 2411: Sinumerik 840D | terminate called after throwing an instance of std::bad_weak_ptr
- ID 316: Crash on writing Bool Arrays on Siemens S7-32 protocol
- ID 307: - Write an item from Sinumerik NCK part (which is not writable) – library responds with Status_Fail_Write_NoResponse even if the library has the response from server

Product	Deliverable	Version	Date
edgeConnector	softingindustrial/edgeconnector edgeconnector_V2024.03.02_amd64.tar.gz edgeconnector_V2024.03.02_arm_v7.tar.gz edgeconnector_V2024.03.02_arm64.tar.gz	V2024.03.02	10.12.2024
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2024.03.02	10.12.2024

1. New or enhanced features

2. Fixed issues

- ID 1255: TLS Settings not saved after enabling it
- ID 1253: TLS Checkbox broken functionality

3. Known issues

Product	Deliverable	Version	Date
edgeConnector	softingindustrial/edgeconnector edgeconnector_V2024.03.01_amd64.tar.gz edgeconnector_V2024.03.01_arm_v7.tar.gz edgeconnector_V2024.03.01_arm64.tar.gz	V2024.03.01	01.11.2024
edgeConnector Allen-Bradley PLC	softingindustrial/edgeconnector-allen-bradley-plc	V2024.03.01	01.11.2024
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2024.03.01	01.11.2024
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2024.03.01	01.11.2024
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2024.03.01	01.11.2024
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V2024.03.01	01.11.2024
edgeAggregator	Softingindustrial/edgeaggregator	V2024.03.01	01.11.2024

1. New or enhanced features

2. Fixed issues

- ID 1177: SIS – OPC UA client connections, using only numbers as a hostname not working
- ID 1221: S7-72 protocol Array of Base datatypes are not shown in OPC UA address space
- ID 1227: [UI] Application crash after modifying AB advanced settings parameters
- ID 1228: Online Help - Demo configuration page not available

3. Known issues

Product	Deliverable	Version	Date
edgeConnector	softingindustrial/edgeconnector edgeconnector_V2024.03_amd64.tar.gz edgeconnector_V2024.03_arm_v7.tar.gz edgeconnector_V2024.03_arm64.tar.gz	V2024.03	15.10.2024
edgeConnector Allen-Bradley PLC	softingindustrial/edgeconnector-allen-bradley-plc	V2024.03	15.10.2024
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2024.03	15.10.2024
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2024.03	15.10.2024
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2024.03	15.10.2024
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V2024.03	15.10.2024
edgeAggregator	Softingindustrial/edgeaggregator	V2024.03	15.10.2024

1. New or enhanced features

- New unified version of the edgeConnectors into a single image called **edgeConnector**
  - edgeConnector Siemens, edgeConnector Modbus, edgeConnector 840D, edgeConnector FANUC CNC, edgeConnector Allen-Bradley, and edgeAggregator functionalities have been merged and integrated.
- New UI styling
- Added functionality for FANUC connectivity, read System Range Macro variables

2. Removed features

- ID 1104: S7-72 Simulation option

3. Fixed issues

- ID 842: edgeConnector is sometimes not reconnecting to echolink S7compact
- ID 987: MQTT Module sends NULL values, restarting the connection solve the issue
- ID 995: MQTT publish messages sent, containing Null Values during runtime
- ID 1050: edgeConnector 840d | Reconnect to PLC of Sinumerik does not work
- ID 1086: Bad Implementation or usage of Softing::Plc::Util::Mutex::lock
- ID 1097: Support Custom Macro variables from system range

- ID 1107: MQTT Publisher: Publisher Request Timeout is not used immediately after the save button was pressed
- ID 1152: edgeConnector crashes by enable/disable the MQTT connection
- ID 1158: Running edgeConnector and docker stops without any changes
- ID 1163: Data Point Trigger cannot be selected, when changing from "AdvancedTrigger" to "DataPointTrigger"
- ID 1170: MQTT related memory leaks
- ID 1171: [GUI] At creation of a new Publisher, changing repeatedly the PublishMode could lead to impossibility to save
- ID 1172: Segmentation fault during NULL value test
- ID 1174: Deadlock while disabling an MQTT publish request
- ID 1176: terminate called after throwing an instance of std::bad_weak_ptr
- ID 1194: edgeConnector Siemens system crash

4. Known issues

- The ARM64 docker image from new edgeConnector does not support Fanuc CNC controllers.
- Online help missing updates to the latest UI styling.

Product	Deliverable	Version	Date
edgeConnector Allen-Bradley PLC	softingindustrial/edgeconnector-allen-bradley-plc	V2024.02	28.06.24
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2024.02	28.06.24
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2024.02	28.06.24
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2024.02	28.06.24
edgeConnector Fanuc CNC	softingindustrial/edgeconnector-fanuc-cnc	V2024.02	28.06.24
edgeAggregator	softingindustrial/edgeaggregator	V2024.02	28.06.24

1. New or enhanced features

edgeConnector Allen-Bradley PLC

- New Product variant **edgeConnector Allen-Bradley PLC**

- Support for ControlLogix and CompactLogix (CLX) data

- Protocol Driver for EtherNet/IP CIP

- Support Routing of the Controllers.

- Support Symbolic Addressing automatically and manually for controllers with FW < V21

- Supports all data types available for the Logix family Boolean, 8,16,32 signed and unsigned integers, float, double and user defined types including string

- String data type can be handled as a String or as an array of SINT + LEN

- Supports expanded arrays for atomic types. User defined types (UDTs) are shown always as expanded arrays, including strings.

- Special Read and Write services optimization options are available in the Advanced Settings section.

- Application runs as Docker Container in Linux environments (AMD64, ARM64, ARM32)

- 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

2. Fixed issues

- ID 1074: Changing the license server to any not reachable address causes the license page to be unreachable.

3. Known issues

- UDT member access level – Not possible to retrieve the access level (read only information) of UDT members.
- Bool sub array writing can trigger inconsistencies. Recommendation to write the complete bool array.
- CIP Identity object information is retrieved at start-up and not refreshed. Currently there is no indication if the information was correctly retrieved.
- Using a routing path, a connection failure will only show a disconnection to the device but will not provide extended information about connection failure.

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
edgeAggregator	softingindustrial/edgeaggregator	V2024.01	19.04.24

1. New or enhanced features

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.

- Product versioning mechanism updated.
- edgeConnector FANUC CNC compatibility with ARM32.
- 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 is only activated manually through an ENV variable.
    - ENABLE_HTTP_CONFIG = "ON"
- Improvements of the MQTT Publisher Datasets.
- Added support for one dimension Array variables writing via MQTT (as part of subscriber functionality).
- Cache the MQTT triggers variable value if used in the payload and use it in the dataset creation.

2. Fixed issues

- CVE-2023-46233: crypto-js PBKDF2 version lower as 4.2.0 can be weaker than current industry standard as relies on iteration count as a countermeasure to preimage and collision attacks.

- ID 1004: MQTT Messages are not published even if trigger condition is fulfilled

- ID 1020: [GUI] Typo in Certificates text (German version)

- ID 1027: No MQTT messages are sent because of error ".... has no sight associated: 'MqttPublisher_xxx."

Product	Deliverable	Version	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
edgeAggregator	softingindustrial/edgeaggregator	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. Fixed issues

- ID 803: 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

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

Product	Deliverable	Version	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
edgeAggregator	softingindustrial/edgeaggregator	V3.70	17.10.23

1. 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.

2. Fixed issues

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

- ID 677: Rest interface stops responding to 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.

Product	Deliverable	Version	Date
edgeConnector FANUC CNC	softingindustrial/edgeconnector-fanuc-cnc	V3.60	31.07.23

1. 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

2. Removed features

-

3. Fixed issues

-

4. Known issues

-

Product	Deliverable	Version	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
edgeAggregator	softingindustrial/edgeaggregator	V3.50	19.06.23

1. 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.

2. Removed features

-

3. Fixed issues

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

4. Known issues

- ID 821: PSIRT 2023-03 Session Theft due to XSS
- ID 822: PSIRT 2023-04 Loading Remote Javascript Scripts

Product	Deliverable	Version	Date
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
edgeAggregator	softingindustrial/edgeaggregator	V3_40	09.02.23

1. 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

2. Removed features

-

3. Fixed issues

- 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

4. Known issues

- 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 there is 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 sent multiple times with empty alarm array
- ID 241: Endpoint Thumbprint is changing after backup/restore
- 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 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 published after backup restore until a restart of the application is made

- ID 636: Application Certificates for MQTT Connections are not displayed correctly

- ID 642: An 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 does not log out the first one

- ID 811: The REST call for system restart should not be returned before the system restart is initiated

Product	Deliverable	Version	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V3_10	23.06.22
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3_10	23.06.22
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3_10	23.06.22

1. New or enhanced features

- Default Values at Certification Generation
- Change Default Value for OPC UA Endpoint Security

2. Removed features

-

3. Fixed issues

- CVE-2021-40873: DoS sending crafted messages to a client or server with OPC UA C++ SDK before 5.66, and uaToolkit Embedded before 1.40.
- 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 must 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

4. Known issues

- 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 215: MQTT - ActiveAlarmJson: Publish request is sent multiple times with empty alarm array

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

- 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 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 published 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: An 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

Product	Deliverable	Version	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V3_00	21.04.22
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V3_00	21.04.22
edgeConnector 840D	softingindustrial/edgeconnector-840d	V3_00	21.04.22

1. 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

2. Removed features

-

3. Fixed issues

- 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

4. Known issues

- 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 215: MQTT - ActiveAlarmJson: Publish request is sent multiple times with empty alarm array
- ID 241: Endpoint Thumbprint is changing after backup/restore
- 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 428: Browse Namespace with Attributes via REST API blocks OPC UA Browse/Read
- ID 492: Containerized license server must be started before the edgeConnector is started
- ID 519: After restarting 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
- 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 published after backup restore until a restart of the application is made
- ID 591: MQTT Sampling interval not working properly

Product	Deliverable	Version	Date
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

1. 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
- Increased number of Publish Requests to 100 per MQTT connection
- Increased number of Subscription Requests to 100 per MQTT connection
- Improve performance on loading data for MQTT Publisher and Subscriber overview tables

2. Removed features

-

3. Fixed issues

- 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

4. Known issues

- 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 215: MQTT - ActiveAlarmJson: Publish request is sent multiple times with empty alarm array

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

- 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 454: Application hangs during release of Modbus connections and related release of licenses.

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

- ID 492: Containerized license server must be started before the edgeConnector is started

- ID 519: After restarting 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

- 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

Product	Deliverable	Version	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2-31	30.09.21
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-31	30.09.21
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-31	30.09.21

1. New or enhanced features

- Support additional special characters in Username (Needed for MQTT connections to some cloud providers)

2. Removed features

-

3. Fixed issues

- 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"

4. Known issues

- 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 215: MQTT - ActiveAlarmJson: Publish request is sent multiple times with empty alarm array
- ID 241: Endpoint Thumbprint is changing after backup/restore
- ID 248: Endpoint URL showing host name after import configuration
- ID 255: The NCK Alarm Nodes show incorrect array dimensions

Product	Deliverable	Version	Date
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-30	19.08.21

1. 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

2. Removed features

-

3. Fixed issues

- 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

4. Known issues

- 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 there is 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 sent multiple times with empty alarm array

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

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

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

Product	Deliverable	Version	Date
edgeConnector Modbus	softingindustrial/edgeconnector-modbus	V2-21	17.06.21
edgeConnector Siemens	softingindustrial/edgeconnector-siemens	V2-21	17.06.21
edgeConnector 840D	softingindustrial/edgeconnector-840d	V2-21	17.06.21
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. Removed features

-

3. Fixed issues

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

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

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

4. Known issues

- 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 there is 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 sent 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	Deliverable	Version	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. Removed features

-

3. Fixed issues

- ID 362: unitID 0 not correctly dispalyed in GUI

4. Known issues

- 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 there is 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 sent 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	Deliverable	Version	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. Removed features

-

3. Fixed issues

- 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 requests 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

4. Known issues

- 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 there is 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 sent 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	Deliverable	Version	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. Fixed issues

- 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 contain no values switch quality

- ID 220: OnDataChangeEvent with Null content for PLC Alarms

- ID 222: Synchronization between deleting and creation of an MQTT connection

4. Known issues

- 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 there is 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 sent 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	Deliverable	Version	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. Removed features

-

3. Fixed issues

- ID 47: Support Data Download not working

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

- ID 190: Tooling internal subscription causes performance issues

4. Known issues

- 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 there is 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 contain no values switch quality

- ID 220: OnDataChangeEvent with Null content for PLC Alarms

- ID 222: Synchronization between deleting and creation of an MQTT connection

Product	Deliverable	Version	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. Removed features

-

3. Fixed issues

- 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

4. Known issues

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

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

Product	Deliverable	Version	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 to 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. Removed features

-

3. Fixed issues

- 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

4. Known issues

- ID 47: Support Data Download not working

- ID 48: Help button is not working (404)

Product	Deliverable	Version	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. Removed features

-

3. Fixed issues

- none

4. Known issues

- 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