

Release Notes

edgeConnector/ edgeAggregator

Version 2025.01

January / 2025

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

1. New or enhanced features

- S7-32-variant optimized for read from PLC
- S7-32 variant optimized for write to PLC
- S7-32: support arrays of struct
- S7-32: Support bool arrays
- FANUC - Read System Range Variables

2. Removed features

- S7+ Simulation documentation

3. 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 is sending 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 write can trigger inconsistencies. Recommendation to write the complete bool array.
- CIP Identity object information is retrieved at start-up and not refreshed. Currently 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 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 trigger 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 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.

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

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3. Fixed issues

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4. Known issues

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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

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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

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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 “PersistenceInFS” 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 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 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 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 does not logout the first one
- [ID 811](#): The REST call for system restart should not return 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

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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 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

4. Known issues

- [ID 27](#): Denial of Service on web interface by deleting the user's authentication token
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- [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 send 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 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

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

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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
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- [ID 215](#): MQTT - ActiveAlarmJson: Publish request is send multiple times with empty alarm array
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- [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 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
- [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

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
- 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

2. Removed features

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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 send 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 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
- [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

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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 send 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

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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 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 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 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 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 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

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3. Fixed issues

- [ID 362](#): unitID 0 not correctly displayed 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 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	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

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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 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

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 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	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 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

- [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 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)
- [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 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

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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 cause performance issue

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 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	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

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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](#): GetEndpoints 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 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

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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