vNode v1.21.8
Release Notes

Fixes, changes and features in vNode.

Released April 1, 2024

ABB VIP Client (v1.3.4)

Change	Description
Improv.	Updated WebUI dependency for network interface selector.

Aurora Client

Change	Description
Improv.	Added serial port listing and selector.

Bootstrap (v1.41.1)

Change	Description
New	Historize tags with a fixed interval.
Improv.	Historize alarm value when acknowledging an alarm.
Improv.	Improve model comparison on model update.
Fix	Clear remote tag model when not receiving tags from the link.
Improv.	Added more LDAP options to permit connections to different servers like FreeIPA.
Improv.	Added LDAP request timeout.
Improv.	Added alarm browsing and history to links.
Improv.	Allow old tag updates.

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Bootstrap (v1.41.1)

Change	Description
Improv.	Removed alarm persistence. Now all the alarms are recalculated when tags are loaded.
Improv.	Added delay to activate and clear the alarms.
Improv.	Added deadband to clear the alarms.
Improv.	Added redundancy getStatus api call.
Improv.	Added between/outside bands alarm comparators.
Improv.	Added timestamp source to alarms (source or local).
Improv.	Added ack mode to alarms.
Improv.	Improvement in the way the Links timeouts are managed.
Improv.	Improved the way the certificate subject is validated.
Improv.	Improved backwards compatibility with old nodes in Link Out.

BACnet Client (v1.1.2)

Change	Description
New	Improved Browser and Tag property search UI. Added dropdown menu and simplified tree navigation.
Improv.	Try to start channel every 30 sec if it fails.
Fix	With incorrect ip the module crash at start.

Custom Client (v.1.4.4)

Change	Description
Improv.	Updated WebUI dependency for serial port selector.

Data Diode (v1.1.2)

Change	Description
New	Added connection to API before starting module.
Improv.	Updated WebUI dependency for network adapter selector.

Data Exporter (v.1.7.2)

Change	Description
New	Added connection to API before starting module.

Data Importer (v.1.1.1)

Change	Description
New	Added connection to API before starting module.

Derived Tags (v1.5.4)

Change	Description
New	Added WebUI validation to cron expression.
New	Improved cron expression help and added dropdown.

DLMS Client (v.1.1.3)

Change	Description
New	New driver to communicate with DLMS compliant meters.

DNP Client (v.1.2.4)

Change	Description
New	Added batching of writes when using direct operate no ack and non-ranged mode.

DNP Server (v1.3.1)

Change	Description
New	Added actor for audit trail to tag writes.
Fix	Fixed module restart when receiving a "direct operate no ack" function.
Fix	Fixed tag writes may be duplicated.

Domino Client (v.1.1.2)

Change	Description
New	Added connection to API before starting module.

IEC 102 Client (v1.6.2)

Change	Description
New	Add cron validation to cron scheduler.
Improv.	Increased retry interval when a bind call fails.

IEC 104 Client (v.1.0.1)

Change	Description
Fix	Fixed default port value.

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Linked Tags (v.1.2.1)

Change	Description
New	Added actor on tag write for AuditTrail.

Mettler Toledo Client (v1.3.3)

Change	Description
Improv.	Updated WebUI dependency for serial port listing.
Fix	Handle 20 character mode on Gareco protocol.

Modbus Client (v1.21.5)

Change	Description
Improv.	Added serial port listing and selector.
Fix	Prevent from attempting to parse a response with no outgoing request.

Modbus Server (v1.2.3)

Change	Description
New	Added actor to tag writes for AuditTrail.
Improv.	Updated logger using fields for more clarity.

MQTT Client (v1.10.0)

Change	Description
New	3 Interval types added to Snapshot publishers. [Fixed time, Fixed interval, Cron].
Improv.	Destination broker labels updated.
Improv.	Added token generator to clientId.
Improv.	Added topic in actor to tag writes for AuditTrail.
Improv.	Events Publisher improver to work in a more understandable and simple way.
Fix	Use V3 or V5 validator in Publishers and Subscribers.

Notifier (v.1.1.4)

Change	Description
Fix	Allow expressions and inputs on CRON expressions.

OPC UA Client (v.1.15.3)

Change	Description
Fix	Potential fix for data remaining frozen caused by subscription failure.

OPC UA Server (v1.11.5)

Change	Description
New	Added actor to tag writes for AuditTrail.
Improv.	Updated OPCUA stack.

OPC XML Client (v.1.1.1)

Change	Description
New	Added protocol validation to "host" config field.

Redundancy Agent (v.1.1.3)

Change	Description
Fix	Loop to primary when it is recovered.

Rest API Client (v1.9.0)

Change	Description
New	Added tag groups and filters to $.parameter.
New	Tag path to $.parameters.
New	Added actor to API calls for AuditTrail.

Rest API Server (v1.6.0)

Change	Description
New	Added actor to API calls for AuditTrail.
New	Added self-signed certificate and CSR generator popup in HTTPS configuration.
Improv.	Embedded private key configuration is now encrypted.
Improv.	Updated for v1.21.8 compliance.
Improv.	Removed automatic self-signed certificate in favor of self-signed certificate generator popup.

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Scripting (v1.6.2)

Change	Description
New	Added cron validation to WebUI configuration.
New	Added actor to API calls for AuditTrail.
Improv.	Improved cron expression help.
Fix.	Fixed script logs not escaping placeholders when sending message to main thread.
Fix	Fixed help of parameters.

Siemens Client (v.1.5.1)

Change	Description
Fix	Bug fix when two strings are identical with different length.

SMA Client (v.1.2.2)

Change	Description
New	Added connection to API before starting module.

SNMP Client (v.1.2.1)

Change	Description
Improv.	Browse unify with OPC UA Client browser.

Sparkplug Client (v1.2.5)

Change	Description
Improv.	Added automatic clientID generator.
Fix	Allow to set rejectUnauthorized when connecting with MQTTS instead of only when authenticating with certificates.

SQL Client (v1.6.0)

Change	Description
New	Tag path to $.parameters.
New	Added actor to API calls for AuditTrail.
New	Added tag group and filters to $.parameter.
Improv.	Hide buffer size trigger while using snapshot mode on history transaction.
Fix	Allow expressions and inputs on CRON expressions.
Fix	Allow use of special characters in password field.

UFL Exporter (v.1.6.1)

Change	Description
New	Added connection to API before starting module.

VDMA XML Client (v.1.4.1)

Change	Description
New	Added API connection before starting module.

WebUI (v1.18.2)

Change	Description
New	Drag and drop inputs to Custom Properties group to clone them.
New	Drag and drop Custom Properties to inputs to link them.
New	Drag and drop inputs to groups and instances to copy the value in all child instances.
New	Editable help in Custom Properties.
New	Added self-signed certificate and CSR generator popup in HTTPS configuration.
New	Added format to TokenControl.
New	Shows full white spaces in all tables, including logs.
Improv.	Logger will not be locked when creating a new module.
Improv.	Removed automatic self-signed certificate in favour of self-signed certificate generator popup.
Improv.	Updated Visualizer engine.
Fix	Do not allow to save configurations with invalid templates.
Fix	Update template modified time when deleting child instances.
Fix	Manages encoded URI values properly in connection strings parser.
Fix	Update template modified time when an instance is deleted.
Fix	Validate legacy passwords when importing CSVs.

WebVision (v1.5.1)

Change	Description
New	Added `iframe` component.
New	Added self-signed certificate and CSR generator popup in HTTPS configuration.
New	Shows full white spaces in all tables.
New	Added URL parameters features.
Improv.	Added OpenStreetMap contribution.
Fix	Show timestamp in chart tooltips when possible.
Fix	Fix CSV decimal format.

Xantrex Client (v.1.4.2)

Change	Description
Improv.	Improve model comparison on model update.
New	Added serial port listing and selector.

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