

vNode v.1.22.5

Release Notes

Fixes, changes and features in vNode.

Released September 10, 2026

Bootstrap (v.1.48.1)

Change	Description
Changed	Logging – Changed the severity level for tag and alarm link update errors from 'warn' to 'debug' to reduce unnecessary log noise.
Fix	API – Resolved an issue where the certificate namespace was not properly exposed in the API.
Fix	Links – Addressed a Store&Forward drain issue that caused packet duplication and memory exhaustion when reconnecting with a data backlog.
Fix	Links – Fixed an issue that prevented the Store & Forward (S&F) buffer from successfully saving to disk when Linkin was offline.
Fix	Call Methods – Resolved an error that triggered when an optional object argument property was not provided.

EtherNet/IP Client (v.1.5.0)

Change	Description
Changed	Configuration – Improved the setup interface and associated help documentation for Connection Paths to enhance clarity and usability.

Historian (v.1.25.0)

Change	Description
Changed	Timescale – Implemented data validation to explicitly remove null bytes (0) in strings, enhancing data integrity and preventing potential database query issues
Features	MongoDB – Resolved an issue that caused the module to hang during shutdown while retrying a failed collection purge.

IEC 102 Client (v.1.9.1)

Change	Description
Changed	Gateway – Resolved an issue that could cause lower-priority clients to hang indefinitely between disposals when a higher-priority client interrupted an ongoing connection.

MQTT Client (v.1.15.0)

Change	Description
Changed	Store&Forward – Refactored the S&F architecture to integrate seamlessly with the latest vNode core modules, improving overall stability and performance.
Feature	Custom Parser – Exposed tag metadata and introduced a persistent \$.local object that can be accessed directly within scripts, expanding customization capabilities.
Feature	Store&Forward – Added a new drainDelay for reconnection events. This ensures the system waits for subscribers to fully connect before initiating the S&F buffer drain.
Fix	Tags – Fixed an issue where the last tag value was incorrectly overwritten when only its quality changed.
Fix	Tags – Improved incoming message handling to reject invalid timestamps rather than incorrectly stamping the tag with them.
Fix	Connection – Resolved issues with decoding raw PEM/base64 embedded certificates and applied a debounce to key certificate reloads per connection.
Fix	Connection – Enforced the publishDelay setting to ensure in-flight publish tasks no longer overlap.
Fix	Connection – Fixed an issue so rejected CONNACKs back off without disposing of publishers, and ensured the stop command fully tears down the connection.
Fix	Connection – Ensured subscriptions are fully established before draining the Store & Forward (S&F) buffer upon reconnection, preventing the loss of the first buffered message.
Fix	Data model – Addressed an issue by tracking subscriber tags to ensure they are properly removed and re-addressed during model changes.
Fix	Parsing – Ensured custom parser output is explicitly reset per call and preserved Protocol Buffers (protobuf) quality 0.
Fix	Properties – Fixed MQTT v5 property handling by rejecting expiry intervals that exceed the uint32 maximum limit and dropping null user-property values.
Fix	Publisher – Resolved publishing issues by deduplicating identical initial re-deliveries, serializing flushes, and utilizing Object.is for precise change detection.
Fix	Subscriber – Resolved MQTT-4.7.2 root-wildcard matching, added validation for parser configurations, and ensured unknown types are correctly rejected.

MQTT Client (v.1.15.0)

Change	Description
Fix	Tags – Updated the keepAlive path to successfully tolerate a null initial data snapshot.
Fix	Configuration – Improved the help documentation for the drainDelay setting for better clarity.
Fix	Service – Modified the stop function to execute asynchronously, improving shutdown handling.
Fix	Metadata – Fixed metadata fetching to properly de-duplicate requests across invalidations and safely cache empty results.
Fix	Tags – Fixed an issue to ensure the client only subscribes once for tag model changes.
Fix	Store&Forward – Fixed an issue to ensure the S&F drain loop automatically restarts following an unexpected crash.
Fix	Snapshots – Fixed an issue where overrideTs inadvertently mutated the shared TagEvent by ensuring it publishes a copy instead.
Fix	Snapshots – Ensured that calling refreshModel properly invalidates the parser metadata cache.

Notifier (v.1.5.1)

Change	Description
Fix	UX – Removed references to “vNode” in the example script.
Fix	Webhook – Addressed an issue to ensure Accept-Encoding “None” correctly sends identity, and that compressed responses are properly decoded prior to logging.
Fix	Webhook – Fixed an issue so custom header scripts correctly receive \$.parameters and the default script compiles successfully.
Fix	Webhook – Fixed custom webhooks to ensure fixed headers and authorization details are reliably sent.
Fix	Webhook – Ensured the headers block is strictly validated for custom webhooks and properly hidden when using built-in providers.
Fix	UX – Corrected the help documentation and default script to use the singular .parameterinsteadof. parameters.
Fix	WebHook – Fixed error handling to ensure connection closures that occur mid-response are accurately reported through the send callback.
Fix	WebHook – Ensured the headers block is strictly validated for custom webhooks and properly hidden when using built-in providers.
Fix	Cron – Fixed a scheduling issue by anchoring the cron next-execution calculation to a single clock read, preventing potential timing discrepancies during execution evaluations.

OPC UA Server (v.1.17.0)

Change	Description
Changed	Configuration – The module can now be started without requiring the Access configuration to be saved beforehand.
Feature	Performance – Significantly improved performance during the creation, sampling, and deletion of monitored items.
Feature	Performance – Enhanced overall server performance when utilizing flat tag models.
Fix	Certificates – Resolved an issue where the server would incorrectly generate a UserPKI folder outside of the designated data directory.

REST API Client (v.1.12.2)

Change	Description
Fix	Cron – Fixed a scheduling issue by anchoring the cron next-execution calculation to a single clock read, preventing potential timing discrepancies during execution evaluations.

REST API Server (v.1.9.2)

Change	Description
Fix	HTTPS – Resolved an issue where the Key path was incorrectly persisted as a password hash when the Certificate type was set to 'File path', which previously prevented the server from starting successfully.

Siemens Client (v.1.8.3)

Change	Description
Fix	Connection – Implemented a reconnection delay when a PLC refuses a read request, preventing reconnection floods and stabilizing the network.
Fix	Tags – Resolved an issue where tags would incorrectly remain frozen at a 'good' quality status when a 'function refused' error was received.

SNMP Client (v.1.3.1)

Change	Description
Fix	Configuration – Fixed an issue to correctly allow a hostname to be used in the device host field.
Fix	Traps – Addressed an issue to ensure incoming traps are reliably delivered to every tag bound to the same OID.
Fix	Sessions – Resolved an issue where SNMPv3 sessions would unexpectedly stop responding after approximately 150 seconds.

SolarMax (v.1.1.3)

Change	Description
Fix	Tags – Resolved an issue where misconfigured tags remained silent; they now properly report a BAD_CONFIG_ERROR.
Fix	Tags – Fixed an issue where quality-only updates incorrectly re-timestamped the last known value.

Sparkplug Host App (v.1.0.2)

Change	Description
Fix	Connections – Ensured that tag quality correctly degrades when no broker is reachable.
Fix	Tags – Fixed an issue to guarantee that error updates retain the last known value and consistently include a timestamp.
Fix	Tags – Resolved an issue to properly flag a 'bad' quality status when the configured host application does not exist.

SQL Client (v.1.7.2)

Change	Description
Fix	Cron – Fixed a scheduling issue by anchoring the cron next-execution calculation to a single clock read, preventing potential timing discrepancies during execution evaluations.

Web UI (v.1.25.0)

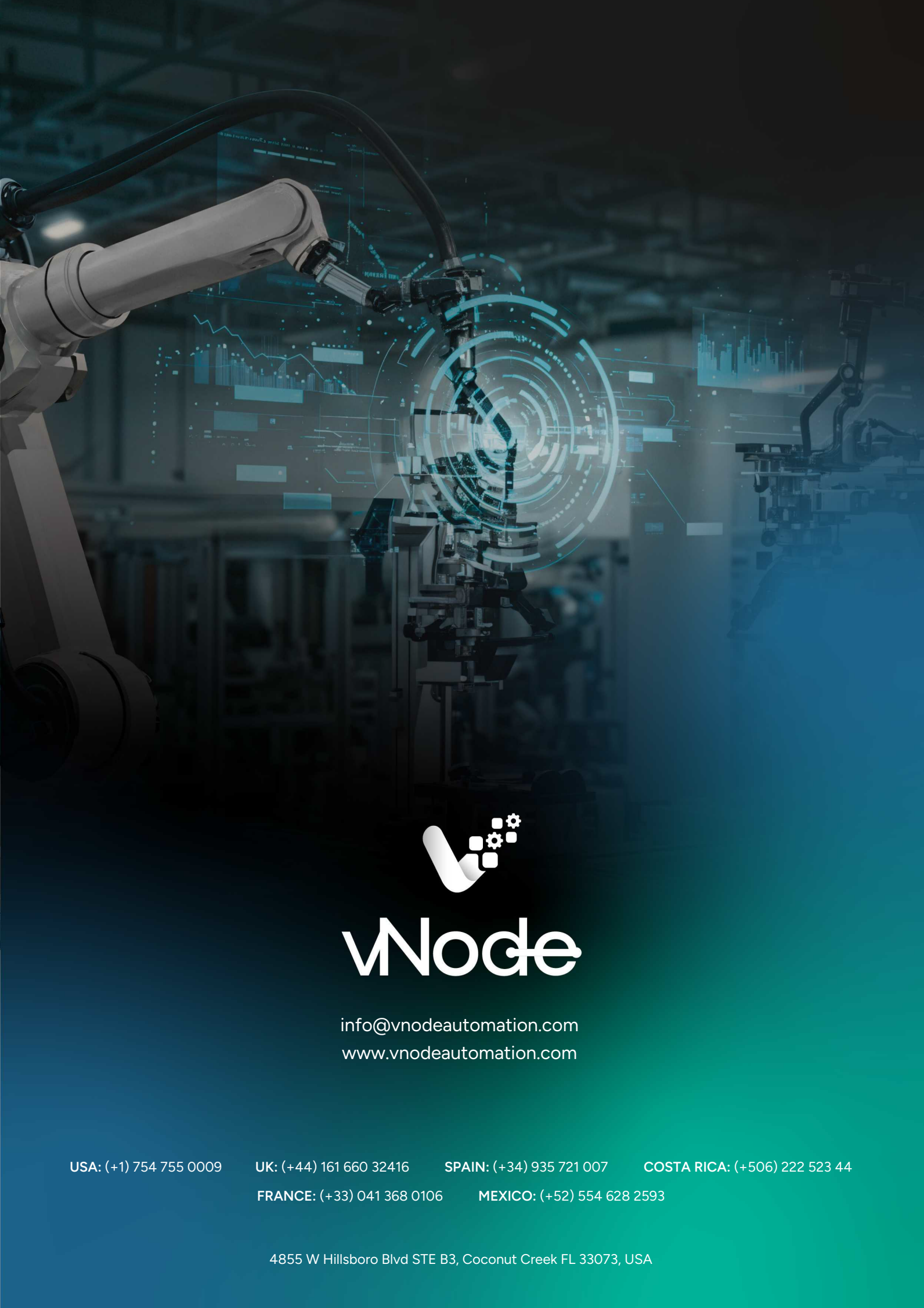
Change	Description
Changed	Config Editor – Automatically expand the configuration tree for newly created modules to streamline navigation and setup.
Fix	Config Editor – Resolved an issue where importing a custom properties CSV failed to mark the template as 'dirty' (indicating unsaved changes).
Fix	Config Editor – Fixed an issue where SetInput actions triggered from the Visualizer did not mark the template as 'dirty' or activate the edition lock.
Fix	Links – Addressed an issue to successfully allow users to select a remote node when they have Historical or Alarms Historical permissions.
Fix	Config Editor – Ensured that data migrations are appropriately skipped when importing CSV files.
Fix	Config Editor – Fixed an issue to ensure group options are correctly applied to templates rendered by a TEMPLATE input.

Web Vision (v.1.11.0)

Change	Description
Feature	Config editor – Added support to show multiline outputs.
Fix	Client – Ensured configuration locks are released right away when the browser cleanly closes the session.
Fix	Client – Stopped the warning flood that occurred when a session closed with replies still pending.
Fix	Client – Silenced the remaining update warnings when a socket closes mid-stream.
Fix	UI – Prevented the container “Zoom & Pan” from activating when the pointer is outside its bounds.
Fix	Scroll – Ensured no scrollbar appears when the content fits within the container.
Fix	UI – Set the selection overlay to refresh correctly after a component changes size or layout.
Fix	Chart – Kept the legend on the series label when its own Y axis has a title.
Fix	UI – Fixed an issue to keep padded components in place when dragging the anchor.
Fix	Historical – Addressed an issue to ensure users are able to list presets.
Fix	Distributed – Resolved an issue to properly allow for multiple roles, accommodating the creation of long includes/excludes.
Fix	Tag Access – Fixed an issue where the system was unable to include/exclude tags in distributed nodes.

Web Vision (v.1.11.0)

Change	Description
Fix	Alarm Table – Configured the component to re-run shelving selection on change.
Fix	Alarm – Fixed an issue where the shelving selected input was not updating after switching table mode.
Fix	Alarm Table – Ensured the UI does not show shelving information when changing the table type to historical.
Fix	Alarm Table – Fixed an issue to show the bottom panel correctly.
Fix	Alarm Table – Fixed an issue to ensure the system does not show the shelving table on historical views.
Fix	Inputs – Resolved an issue where inputs were not tagged as disposed correctly.



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