

vNode v.1.22.3

# Release Notes

Fixes, changes and features in vNode.

Released March 26, 2026

## Bootstap (v.1.47.2)

Change	Description
Changed	Tags – Enhanced debug logging to clearly distinguish between local and remote tags and groups, making troubleshooting more efficient.
Fix	Redundancy – Ensured that regex-special characters within file synchronization exclude patterns are properly escaped to prevent evaluation errors and ensure accurate file exclusion.
Fix	License Manager – Resolved an issue to ensure licenses are correctly validated even after their expiration date.
Fix	Links – Fixed a bug that caused duplicated values to be transmitted during Store and Forward (S&F) operations.
Fix	Links – Prevented the acceptance of invalid quality values during tag updates originating from older links that lack quality validation.
Fix	Links – Prevented the transmission of empty groups when sending a filtered tag model containing views.

## CAISO ADS Client (v.1.4.0)

Change	Description
Features	Configuration – Added new settings to configure a CA certificate and an option to reject unauthorized connections.

## Data Diode (v.2.1.0)

Change	Description
Changed	User Interface – Updated the contextual help text for the encryption algorithm setting to reflect chacha20poly1305 instead of aes-256-gcm.

### Derived Tags (v.1.9.0)

Change	Description
Changed	Expression Tags – Improved the validation of quality and timestamp values to prevent invalid usage.

### DNP Server (v.1.5.1)

Change	Description
Fix	Channel – Resolved an issue where disabled devices were incorrectly handling incoming requests instead of routing them to the first available enabled device.

### Ethernet/IP Client (v.1.4.0)

Change	Description
Features	Error Handling – Configured busy status to be treated as a retryable error during read and write operations, improving overall communication resilience.

### Fleet Manager Client (v.1.2.3)

Change	Description
Changed	Help – Improved the clarity of the contextual help text for host configuration.
Fix	Tunnels – Resolved an issue where the character “1” was incorrectly appended to private tunnel names following network disconnections.

### Historian (v.1.23.2)

Change	Description
Fix	Alarms – Clamped legacy quality values in alarms to ensure compatibility with standard vNode quality codes.
Fix	MongoDB connection – Implemented safeguards to prevent the module from crashing when encountering corrupted or malformed responses from a MongoDB database, improving overall system resilience.
Fix	Logging – Removed the inaccurate “collections” reference from Timescale database logs, as this terminology is specific to MongoDB and does not apply to TimescaleDB.

### IEC 104 Server (v.1.1.0)

Change	Description
Changed	Help – Updated the contextual help for Commands to clarify that only commands without a time tag are supported.

### MCP Server (v.1.3.0)

Change	Description
Changed	Configuration – Updated the default configuration ports to 3041 for HTTP and 3441 for HTTPS.
Features	Tools – Added a new tag browsing tool to simplify tag discovery and selection.
Fix	Documentation – Improved the log parameter help text to accurately explain log resources and removed the obsolete 'write' section.

### MQTT Client (v.1.14.0)

Change	Description
Features	Publishers – Added a new tag change trigger option to snapshot publishers, allowing them to publish data when specific tag values change.
Fix	Configuration UI – Hid the reset value property completely (rather than just disabling it) when the reset trigger is set to false, improving interface clarity.
Fix	Configuration Logic – Resolved an issue where default values would not update correctly when changing the trigger type.
Fix	Help – Removed duplicated information from the help text for the 'max events per message' parameter to make it more concise.
Fix	Validation – Added strict type validation to ensure the 'max events per message' parameter only accepts numerical values.

### OPC UA Server (v.1.15.0)

Change	Description
Features	Endpoint – Improved listening behavior when binding directly to the 0.0.0.0 (all IPv4 addresses) interface.
Fix	Methods – Resolved an issue to ensure the proper export and import of method configurations via CSV files.

### OPC UA Client (v.1.18.0)

Change	Description
Changed	Logging – Moved datatype mismatch logs to the DEBUG level for valid conversions that may result in information loss, reducing unnecessary log clutter.
Fix	Drag & Drop – Enhanced the drag-and-drop handling for OPC UA nodes with flexible array dimensions (specifically ValueRank -2 “Any” and -3 “ScalarOrOneDimension”), ensuring smoother configuration and node mapping.
Features	Data Integrity – Implemented stricter type validation for tag updates to ensure the accuracy of value, quality, and timestamp data.

### REST API Client (v.1.12.0)

Change	Description
Fix	Tag Updates – Resolved an issue that prevented updating values for tags sourced from this module.
Features	Connection – Added a new configuration option to handle and process HTTP errors received from the API server.

### Scripting (v.2.1.0)

Change	Description
Changed	Tag Updates – Updated timestamp formatting for tag updates to utilize a 48-bit unsigned integer (u48) instead of a standard number type.
Features	Logging – Added real-time logger detection, enabling scripts to dynamically display logs at the currently requested log level.

### Siemens Client (v.1.8.0)

Change	Description
Features	Error Handling – Configured the client to automatically trigger a connection restart upon receiving a ‘function refused’ error to improve recovery and resilience.

## Web UI (v.1.23.0)

Change	Description
Changed	Diagnostics – Clarified resource usage labels to explicitly indicate that disk usage metrics display both used and reserved space.
Changed	WebSocket – Increased the maximum payload limit to 200 MB to allow for the management of larger system configurations.
Changed	Certificate Generator – Added output options to allow usage outside of WebUI ecosystem.
Fix	WebSocket – Enforced additional server-side permission checks on commands to enhance security.
Fix	Security – Properly escaped user-controlled strings within util.ask() HTML messages to prevent potential injection vulnerabilities.
Fix	CSR – Allow the generation of Certificate Signing Requests (CSR) with both serverAuth and clientAuth extended key usages simultaneously.
Fix	Config Editor – Do not show invalid dynamic instances on templates with dynamic instance inputs.

## Web Vision (v.1.9.0)

Change	Description
Changed	Charts – Updated the underlying HighCharts library from version 12.4.0 to 12.5.0.
Changed	WebSocket – Increased the maximum payload limit to 200 MB.
Features	Charts – Added new properties to configure tooltip Y-Axis formatting and units.
Features	Containers – Added independent selection modes for zoom and pan behaviors.
Features	Heatmap – Added a new 'Hide inactive series' property.
Features	Components – Introduced a new ScatterChart component.
Features	Containers – Added minimum and maximum configuration properties for "Zoom & Pan".
Fix	Editor UI – Addressed multiple canvas interaction glitches, including misplaced selections, endpoint dragging issues for derived lines, and snap-to-grid inconsistencies.
Fix	Editor UI – Fixed rotation, scaling, and handle visibility logic for nested, derived, and stretched containers (including anisotropic editing of stretched container children).
Fix	Editor UI – Enabled the rotation of Layout and Map components via drag handles when they are nested within a Container or another Map.

## Web Vision (v.1.9.0)

Change	Description
Fix	Editor UI – Corrected snap rotation to properly align to 15° increments when nested inside an already rotated container.
Fix	Map Component – Corrected geographic size calculations and properly restricted them to derived containers.
Fix	Map Component – Resolved a panning glitch that occurred when a map was rotated inside a container, and fixed a rotation regression related to a previous panning fix.
Fix	Heatmap Component – Prevented DataSet errors from occurring when deleting a series.
Fix	Tree Component – Preserved font styles and colors during component manipulation.
Fix	TagPicker Component – Ensured the tag list properly refreshes upon remote changes.
Fix	Region – Hid the inapplicable zoom 'Mode' property and corrected the selection position for unshown descendant components.
Fix	Report Component – Fixed misplaced selection boxes that occurred after rotation.
Fix	Events – Configured the 'Mouse leave' event to trigger correctly if a component is hidden while the pointer is still over it (e.g., when a Region child is swapped).
Fix	Subscriptions – Ensured subscriptions are properly applied to internal component logic, such as polling mechanisms.
Fix	Config Editor – Bypassed self-reference checks when linking properties within temporary template popups.
Fix	Properties Tree – Maintained the correct property order when templates undergo changes.
Fix	Chart – Enabled the ability to zoom and pan in Preview mode without needing to hold down the Ctrl key.
Fix	Security – Properly escaped user-controlled strings within util.ask() HTML messages to prevent potential injection vulnerabilities.
Fix	UI / Zoom & Pan – Resolved an issue to allow 'Zoom & Pan' functionality to work correctly when the root component is a chart with the Zoom property enabled.



# vNode

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