

## VTScada version 12.2.25 - Released June 08, 2026

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I25346	The Camera Viewer widget did not refresh its image when running on a server or thick client.
I25327	On thin clients, users could not shelve alarms that required a note.
I25295	The list of OCPP Users disappeared and stopped responding to user inputs via config folder when exported and imported as Excel file.
I25285	The value of the "Close this dialog when the report is complete" check box in the report generation progress dialog was not retained.
I25008	The Text Size tool in the HDV pop-up dialog didn't retain its last setting.
I24743	The Multi-Image Widgets panel in the Idea Studio showed incorrect phrasing for Push Button widgets.
I24690	The VIC was unable to download files larger than 2 GB. ChangeSets for large apps could exceed the 2 GB limit and could not be produced on the VIC. The VIC now supports file downloads up to 4 GB.
I24669	History Statistics tags plotted statistics when there was not enough data yet.
I24625	A subordinate application's IO tags viewed in a master application's tag browser would not display their mode.
I24608	The batch details page could sometimes show parameter values for the previous batch or step.
I24605	There was a possibility that incorrect values were published to clients due to inconsistent value update handling across tag types.
I24474	During upgrades from 12.1 to 12.2, under specific conditions, VTScada would not set a default OPC DA Publisher (previously known as OPC Server Setup) despite a valid publisher being present.
I24149	A non-driver tag could display the incorrect Server List when drawing PServerListName in its configuration folder.
I24083	SQL queries would fail if a string or identifier contained the phrase "DELETE".
I23354	Installation failed when (1) a trailing or leading space was included in the installing path, (2) trailing or leading slash and back slash were included in the installation path inappropriately.

## VTScada version 12.2.24 - Released May 20, 2026

### New Features

<b>ID</b>	<b>Description</b>
F2088	VTScada now supports HTTP POST requests with message body through JSON/XML Driver.
F2087	Performance of running SQL queries has been significantly increased in applications with Realm Area Filtering.

- F2080 Events can now be configured to log to a specified Alarm Database rather than the System Event DB.
- F1916 Dynamic Control Valves now support customizable thresholds.

**Incidents Cleared**

<b>ID</b>	<b>Description</b>
I25288	Data reads for lower level Bristol BSAP devices failed if the response from the low level RTU did not reach the master RTU before the POLL message from VTScada.
I25263	When using the Anywhere Client to export data, an extra blank browser tab was opened alongside the file download.
I25258	The alarm tag's root was not available when creating custom alarm context menus.
I25252	A compilation error message could appear when editing graphic properties in the Idea Studio, most likely seen when phrase translations were edited.
I25225	OpenID Connect settings within the Administrative Settings dialog could be lost if other security settings were applied with the OpenID Connect section collapsed.
I25179	When a client machine reconnected to the server, it could have caused alarms to be incorrectly suppressed.
I25085	The Anywhere Client running in the Firefox browser experienced alarm audio stuttering and would freeze on primary server disconnect.
I25038	On a VIC session, the displayed realm would not be updated when signing in to an account in a different realm.
I24857	Some custom tag widgets did not display the unlinked indicator when no tag was linked.
I24841	On application startup or driver restart, the MQTT driver sometimes did not get the initial published values to the IO tags.
I24648	GetContainerNumActive and GetContainerNumUnacked would return Invalid until an alarm activated underneath the container.
I24642	Alarm shelve dialogs and note prompts appeared on the wrong monitor in multi-monitor environments.

**VTScada version 12.2.23 - Released May 06, 2026**

**Incidents Cleared**

<b>ID</b>	<b>Description</b>
I25261	TLS certificate requests generated by VTScada included both server and client authentication EKUs, which may cause certificates to be rejected or not accepted by modern Web PKI systems and browsers after June 15, 2026.
I25239	Lower level Bristol BSAP devices may not have read properly if Immediate Response was not enabled.

I25230	If a PLC Alarm tag's alarm had been marked as Disabled by the PLC, it could unexpectedly become Enabled when its driver experienced a communications failure, and then become Disabled again when communications were restored.
I25221	TI505 Device driver failed to read data from the PLC when some points contained invalid values.
I25208	CSV Data Driver FileTimeZone dropdown selection always reverted to "Device Clock in UTC".
I25201	Anywhere Client popup windows stopped responding to mouse input after being maximized by double clicking the title bar.
I25183	For any application that had created custom AlarmDatabase tags as children of another tag, after application restart there could be a significant delay before the Alarm Page would show the current state of the alarms.
I25153	The Overall Total Report could produce incorrect results when the selected time range included a DST transition.
I25021	The dialog window prompting users to restart their applications was hard to find if it was minimized when it last appeared.
I25020	Pump Activity Reports failed to find pump stations for non-numeric Stn values.
I25017	The Submit Button for data entry forms might not have cleared values when "Clear form values on submission" was checked.
I24988	The Security Guidelines Manual link in the Setup Recommendations dialog could not be opened if the VTS installation path contained spaces.

## VTScada version 12.2.22 - Released April 21, 2026

### New Features

<b>ID</b>	<b>Description</b>
F2075	Added support for disabling window painting on a per-window basis, reducing the overhead of hidden windows, particularly on application startup.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I25100	The On-Screen Keypad for numeric edit fields could appear in the wrong position when the edit field was called from within a transformed module.
I24965	The Alarm Page was unable to retain the previously selected Alarm DB Group.
I24944	SMS appliance tags were unable to read incoming messages when using the MultiTech MTCM-L1G2D-B03 modem.
I24761	The start of week in Analog Statistic tags was determined by #FirstDayOfWeek and ignored the \StartOfWeek setting.

- I24736 The icon used to toggle the map display on the Sites page remained greyed out even when the map view was active.
- I22943 The Anywhere Client used to display a non-functional Stay Signed In checkbox when RememberLoginDuration was set to 0.

### **VTScada version 12.2.21 - Released April 08, 2026**

#### **Incidents Cleared**

<b>ID</b>	<b>Description</b>
I25161	The SparkplugB publisher could have caused some metrics to be created in the wrong place within the metrics tree on a SparkplugB IIoT Host Application.
I25147	The FTP Client failed to process incoming data if it received a success code before data transfer was completed.
I25092	The AddToList/RemoveFromList APIs could only add/remove alarms to/from the SystemAlarmDB. They now support custom Alarm Database tags.
I25081	An I/O tag connected to a Driver Multiplexer could have had an invalid or outdated value on a client machine.
I25076	VTScada's SNMP driver and agent could have failed to re-initiate remote engine ID discovery resulting in failed communication.
I25061	The VTScada FTP Client did not process multiline responses from an FTP Server.
I25056	The OPC Classic Client Tag could sometimes have had an undocumented error value.
I24964	The Alarm Page was unable to reuse the previously selected Alarm DB.
I24889	Newly created or modified tags disappeared when the tag area or name did not match the user's realm filter.
I24861	Notebooks did not provide a way to retrieve the timestamp of the most recently added note.
I24730	The Plot Data widget could have had too much padding at the bottom.
I23818	Privilege droptree would not expand to node the first time tree was opened but would the next.

### **VTScada version 12.2.20 - Released March 25, 2026**

#### **Incidents Cleared**

<b>ID</b>	<b>Description</b>
I25150	The DNP3 driver could potentially crash VTScada if any Octet String or File Identifier objects were included in the response.

### **VTScada version 12.2.19 - Released March 11, 2026**

## New Features

<b>ID</b>	<b>Description</b>
F2074	VTScada now supports an On-Demand Poll for the DNP3 driver through a built-in DNP3 Poll Button widget, enabling users to manually trigger polling as needed.
F2073	The Setup Recommendations dialog now appears only on first install or when recommendations have been updated.
F2061	A new "STAT" address suffix has been added that when present will adjust the date used to write the data read from this address.
F2053	The Flow Computer tag now supports the Sensia NUFLO Scanner.

## Incidents Cleared

<b>ID</b>	<b>Description</b>
I25108	The OPC UA Client driver incorrectly configured Boolean nodes to report on timestamp-only changes, resulting in unnecessary load.
I25106	The VTScada OPC DA server was reporting Digital IO tag values as Booleans (VT_BOOL) instead of integers (VT_I2), which was an unexpected change in behavior.
I25104	Multi-monitor VTScada Internet Client sessions could revert to a single display after logout and not restore the extra displays until restart.
I25094	GetTSFromISOTS and IsDecimalValue caused high processing load when called in steady state.
I25073	Asynchronous reads could have returned different results than regular polls for some drivers.
I24985	The OPC UA Client Driver triggered soft failovers too readily with unknown node addresses.
I24939	Certain ROC Flow Computer events were displayed as "Unknown" since special event formats were not handled correctly.
I24928	The checkbox to mark a Context property or Type parameter as translatable was easy to misinterpret.
I24298	VTScada had a small chance of crashing when opening the Idea Studio.

## VTScada version 12.2.17 - Released February 24, 2026

### New Features

<b>ID</b>	<b>Description</b>
F2018	The DNP3 Driver now supports the Secure Authentication version 5 specification.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I25057	The Driver Multiplexer may have failed to report whether write operations succeeded and may have leaked memory during writes.

I25037	Applications using the Oil and Gas Layer that used certain APIs in non-optimized tag parameter expressions would have a high CPU load.
I25032	Reintroduced support for using calculation IO tags as feedback for Fail to Operate Alarms.
I25029	VTScada could crash when multiple threads in an OPC DA Client operated on the same OPC Item Group.
I24980	When using realms, some configurations could encounter problems when page shuffling, filtering by user in the Alarm Page, and displaying users on the Thin Client Monitor.
I24971	A Driver Multiplexer as a secondary I/O on another Driver Multiplexer could have reported the incorrect subordinate driver in use in the Subordinate Lines widget on a client machine.
I24901	The OPC Classic Client Driver as a subordinate driver of the Driver Multiplexer could not recover from a failure.
I24885	Diagnostic log files sometimes named its log files using the day before or after the current date.

## VTScada version 12.2.16 - Released February 10, 2026

### New Features

ID	Description
F2056	Drivers in VTScada now set data attributes for communication failures via the NoData() interface.
F2049	For certain Publishers, performance has been improved when publishing via a Publisher List.
F2012	VTScada now supports mutual TLS certification specification when using HTTPSend.

### Incidents Cleared

ID	Description
I25031	The String Entry widget would display a blank value for memory tags.
I25012	The Bristol Driver in serial mode (BSAP) could have failed to process a response message if received as fragments.
I24989	VTScada could have crashed if a Driver Multiplexer had all subordinates failed and NoSoftDriverFailure was set to 0.
I24975	The Driver Multiplexer had a failover issue when its subordinate driver was another Driver Multiplexer.
I24905	The ABB Totalflow Driver could have failed to read all history when History Collect Method was set to Days.
I24789	The Calendar would sometimes appear at the center of the monitor rather than next to the tool that opened it.
I24601	When hovering the mouse over plots in the Historical Data Viewer, tags with invalid values or without descriptions were not shown correctly.

I20962 Anywhere Client home screen shortcuts on iOS and iPadOS devices displayed the Anywhere Client in a full-screen popup after signing in.

## VTScada version 12.2.15 - Released January 28, 2026

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I24969	Pump tags that were not children of their station tag would fail to display the first column of the Pump Discrepancy report.
I24961	If the Recipes page was disabled in the page menu then a tag collision warning could appear after upgrading VTScada.
I24954	Data Entry Form timestamps were being saved in UTC instead of local time.
I24937	Site map pins intermittently flashed on and off whenever a mobile site's lat/long changed, briefly disappearing and reappearing causing annoyance.
I24919	It was possible for a client to lose the ability to acknowledge alarms on a busy system.
I24913	The MQTT SparkplugB Client Driver could fail to send a Rebirth command when the SparkplugB Edge Node has only node metrics and no devices metrics.
I24899	The Source Debugger used to crash VTScada when trying to expand all on a cyclic structure.
I24838	Recipe Batch Report contained parameter values with excessive decimal places instead of using the parameter tag's defined precision.
I24824	The VTScada SNMP Agent responded only to the first GetRequest when many arrived at a high rate.
I24823	When connecting OPC Client Driver tags to a local OPC server, the Address field in the tag browser appeared blank instead of displaying server value.
I24816	Batch History and Details showed a batch as In Progress if the record limit was exceeded.
I24338	Notes retrieval was slow when handling a large number of notes.
I24334	The Plotview widget could show duplicate y-axis scales when zoomed in.
I24221	Disabling an alarm would not stop alarm indicator widgets from flashing.
I23704	IO tag directly attached to a Driver Multiplexer sub-driver sometimes didn't read or write values.

## VTScada version 12.2.14 - Released January 06, 2026

### New Features

<b>ID</b>	<b>Description</b>
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- F2036 A new tool has been created for selecting and managing certificates in the OPC UA Client and TCP/IP Port tags.
- F2017 A new function, ODBCColumns, has been added, which returns column information for tables in an ODBC database.
- F2002 The size and position of new page notes will now consistently follow the page graphics when the page is scaled. Also, if you add a page note to a site page from outside the Sites page, those page notes will now appear when you view the page embedded in the Sites page, and vice versa.
- F1982 The GetAlarmList subscription API now supports a callback for each record.
- F1876 VTScada now displays a Setup Recommendations dialog at startup that guides users through critical performance optimizations and security guidelines.

### **Incidents Cleared**

<b>ID</b>	<b>Description</b>
I24910	DropTrees could fail to open when positioned near the bottom of the screen.
I24880	VTScada could crash when parsing multiple XML files in parallel through a single XMLProcessor.
I24872	Certain Unicode characters in Module names and WebBrowser's Profile IDs used to cause errors when trying to write to disk.
I24870	The Services page was displaying incorrect data for Driver MUX services.
I24869	When viewing multiple pens on the Plot tab of the Historical Data Viewer, some of the gear icons in the Plot Legend could disappear.
I24860	The Section droplist in the Application properties dialog could change its value when getting the input focus.
I24848	Report tags using iteration overrides specified in parent tags would fail to iterate.
I24834	Connecting with many simultaneous internet clients led to slower page loads.
I24821	The Email Excel Template service could send a duplicate email with empty attachments to the target email address.
I24815	The built-in web browser could not start if the Windows username contained non-English characters.
I24807	If the Notes tab of the Historical Data Viewer was opened by default, it would not display any previously posted notes or allow any new notes to be posted.
I24799	The report button could display a non-functional context menu when not linked to a tag.
I24790	Changes to the Start and End Time settings in the Draw HDV Properties dialog could be discarded when the OK button was pressed.
I24767	A Missing Translation message was being returned when a dictionary GetPhrase did not include a language entry.

I24744	Droplists could select different items than what the user selected in some cases on the VIC.
I24709	Driver Multiplexer health checks could have failed if a read consistently failed.
I24602	It was not possible to adjust the decimal precision in the Well Test Table widget.
I24576	Filters from a previously logged-in Realm user were incorrectly applied to a superuser logging in through a logged-off VIC session.
I24505	Coalescing did not behave as expected in scenarios where duplicate timestamps were present.
I24446	On a busy Alarm Page, opening a tag's properties dialog via the right-click menu could open the dialog for a different tag.
I24410	Recipe batch records on the Batch History page were truncated without any warning or visual indication.
I24389	The Source Debugger's Profiler sometimes could not be successfully stopped.
I24288	Printed pages could write characters from the next line if non-ASCII characters were present.
I24077	The username displayed in the title bar now has stronger text-to-background contrast under different color themes, making it easier to distinguish.
I23746	Some installation files were not removed during VTScada installation.
I23682	The Browse button was disabled across all output types on the Report tag properties Destination tab.
I23334	Twilio calls used the Alice voice, which is now deprecated.
I23322	It was not possible to use calculation IO tags as feedback for Fail to Operate Alarms.
I20148	SQL queries for Notebook tag values returned encrypted results that clients could not decrypt.

## VTScada version 12.2.13 - Released November 19, 2025

### New Features

<b>ID</b>	<b>Description</b>
F2046	VTScada now supports custom filter column name in the Well Test tag instead of just having the "Well LSD" column.
F1967	The Date Time Selector widget can now be used to set only the date.
F1931	Two new Driver Multiplexer widgets have been created that indicate which subordinate driver is currently active.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I24830	Users with area restrictions could lose access to tags within the areas they were entitled to access.

I24813	Analog plot lines were interpolated by default, which could obscure flatlines in some cases.
I24810	The SNMP Driver was failing one-shot multi-address Get-Request reads.
I24780	The RETR command might have failed to download when transferring small files.
I24777	The Driver Multiplexer with Polling Driver subordinates did not switch subordinates when an Alternate Failure Trigger was enabled.
I24769	If VTScada Internet Client and the server were on different time zones, VTScada would fail to compile the expression the first time it was edited.
I24752	VTScada would terminate when trying to print reports via the default printer that was not set on Windows.
I24501	Alarm notes showed an empty tag name and description on the Operator Notes page.
I24328	The OPC DA tag types (driver and publisher) have been renamed "OPC Classic" to better distinguish them from OPC UA tag types.
I23235	OEM layers of installed applications could be lost after re-installation if the previous installation was failed.

## VTScada version 12.2.12 - Released November 06, 2025

### Incidents Cleared

ID	Description
I24785	I/O tags that were not analog-typed did not receive value updates via the OPC UA Client driver.

## VTScada version 12.2.11 - Released October 29, 2025

### New Features

ID	Description
F2042	The Historical Data Viewer now plots analog values using an interpolated graph.
F2041	Plot lines are now drawn more smoothly.
F2040	HistorianGetData function now supports interpolation for analog TPP modes.
F2023	A new tag type "SNMPGetBulkDistributor" now provides a convenient way to use GetBulk with the SNMP Driver. A new application configuration called "SNMPAgentMaxRepetitionsCap" is now used by the SNMP Agent as cap on the GetBulk maximum repetitions.
F2016	ODBC and T_ODBC functions now support specifying a limit on the number of cells fetched to avoid data flooding.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I24728	It was possible for the FTP client to freeze if the data connection used by client was lost while using a file retrieval command.
I24721	Warning messages were overlapped with the publish checkbox in History Statistics tag properties dialog.
I24713	Radio buttons on the CFX Setup tab of a Flow Computer tag did not highlight when their values changed.
I24712	SNMP TRAPs and INFORMs were not being forwarded to drivers when those drivers were used through a Driver Multiplexer.
I24711	The label for the ABBTotalflow Driver History Polling Cursors Reset button wasn't translatable.
I24695	HDV plots became much denser in 12.2.01 making them hard to view in some circumstances. This change has been reverted.
I24682	Some fields in the Flow Computer tag appeared highlighted when the tag was first created.
I24583	Attempting to send alarm notifications via voice callout when all voice configurations were offline would result in excessive CPU usage.
I24512	The Excel Add-in Tag Browser applied the Excel theme to the tag browser making it hard to read on dark themes.
I24509	Importing a tag with a null string parameter value caused unintentional highlighting on repeated imports.
I24476	Script applications are now required to be secured before being accessed via the Anywhere Client.
I24464	VOIP calls and SMS did not work with spaces or dashes in the phone number.
I24462	Legacy I/O and Calculations tag type group name was misspelled as "LegacyIOCalcluations".
I24394	Event history showed misleading "Changed from X to Y" message when setting past values in Numeric Entry widget.
I24326	When Append State to Alarm Description was enabled, unsuppressed IO alarms did not have the state appended to their descriptions.
I24143	The Tag Parameter Expression window incorrectly displayed the "Optimize to only evaluate at tag initialization" checkbox in contexts where it was not applicable.
I23956	Some text entry fields could not be used when the on screen keypad was enabled.
I23894	Some pop-out menus could have been scrolled outside their windows.
I23090	Unprocessed writes accumulated in the driver which caused memory to leak.

## **VTScada version 12.2.10 - Released October 15, 2025**

### **New Features**

<b>ID</b>	<b>Description</b>
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F2038 It is now possible to toggle Twilio speech recognition with the setting EnableTwilioVoiceRecognition.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I24676	It was possible for Driver Discovery to accept more responses than it should have.
I24646	The SNMP v3 driver could fail remote engine ID discovery if the discovery report was carrying an empty context engine ID.
I24639	The Driver Multiplexer sometimes reported old data during failover if its subordinate drivers had Hold enabled.
I24603	Applications upgrading from versions prior to VTScada 10 would not see their System-section settings in the Edit Properties panel.
I24581	OPC UA Client Driver did not apply configured deadband values, causing frequent updates even when tag value changes were smaller than the specified deadband.
I24568	The VAM always showed the minor version of custom branding as "00" when the custom version info lacked a minor version.
I24557	Certain images shipped with VTScada might appear entirely black when drawn on a server.
I24507	The ABB Totalflow driver failed to correctly read Daily history records.
I24354	The Publisher List tag could have tried to register IO tags that were no longer linked to the Publisher List when new Publishers were added to the list.
I24352	The MQTT Client Driver was missing the Numeric Value widget and a few others.
I24349	The HoursEntry widget unexpectedly switched from AM to PM when the minute value was changed.
I24266	When copying a Subordinate Application tag, the page menu could end up missing an entry for the original subordinate application.
I24130	Realm user accounts could not be unlocked through the Application Configuration GUI after being locked.
I23999	When removing a widget override, all drawn instances of the widget would be removed from the application.
I23758	The HideVAM flag did not work as expected in some circumstances.
I23486	Some VTScada Driver retained values were stored in the system-level layer Retained folder instead of the application's Retained folder.
I23441	Elements with metadata as the first sub-dimension in a multi-dimensional array would cause issues with the source debugger GUI tree expansion.

## VTScada version 12.2.09 - Released October 3, 2025

### New Features

<b>ID</b>	<b>Description</b>
F2030	The Publisher's PublishAlarm API now has a parameter that links the alarm being published to the alarm's configuration.
F2029	VTScada now provides flexible control over OPC UA Client connection security, including the ability to explicitly allow unsecure connections when needed.
F2027	VTScada now saves Source Debugger profiles run from a thin client on the client machine instead of the server.
F2024	VTScada now supports the DetectFlatline function, which detects when a numeric tag value remains unchanged for a specified duration.
F2011	VTScada now provides Workstation Status tags to allow monitoring of RPC health.
F1993	VTScada now supports OAuth 2.0 client credentials grant type.
F1800	The option to loop tests and dump on test failure have been added to the Test Framework.

### **Incidents Cleared**

<b>ID</b>	<b>Description</b>
I24689	Children of Meter Run tags in Oil & Gas applications created prior to VTScada 11.2.01 would fail to log their history.
I24656	Information in the Tag Tables page of the Training Simulator was not visible.
I24654	GetISOTSfromTS was not steady-state safe and assumed the input timestamp was always in UTC.
I24624	In the Accounts dialog, the Manage Rules dialog would not let you add a tag scope rule to a custom privilege.
I24622	It was not possible to view a subordinate tag's properties using the properties button in alarm list toolbar from a master application.
I24612	The Data Diode Client tag was shown in the Publishers group when creating a new tag.
I24598	The Modbus Virtual PLC could have failed to read messages if a downstream network was slow.
I24586	It was not possible to run the Pump Discrepancy Report against drivers without the Station number property.
I24573	The password expiration warning dialog could not be dismissed, preventing the user from interacting with the system.
I24565	Register calls could have been made to Publisher tags before they were ready.
I24556	Custom widgets required hard-coded help file references, which prevented dynamic linking to custom help files.
I24546	When a Root Control Token was applied, individual tags below custom alarm databases were not able to issue control actions.
I24475	Ad Hoc alarms created by a subordinate application could not be acknowledged in the master application after application restart.
I24199	The tag selector button in the function editor was greyed out while attempting to edit the GetEquipmentColor() function.

I24131	Page history tooltips and menus remained visible even when navigation buttons were hidden.
I24030	When the Site Map was disabled and the user navigated back to the Site Page, the Site Details pop-up displayed unlinked widgets.
I23080	A vts.exe process could be left over after cancelling the installation on Windows 11 25H2 and later.
I22698	Images could fail to appear on the VTScada Internet Client (VIC) for applications containing large images.
I22623	The Rockwell Driver no longer requires the setting of a Connection Point as CIP Connection Target.

## VTScada version 12.2.08 - Released September 12, 2025

### New Features

<b>ID</b>	<b>Description</b>
F2020	VTScada now support live monitoring of system processing load on the Application Manager and using Workstation Status driver tags.
F2019	Alarm button widgets now can be disabled with custom logic.
F1994	PLC Alarm tags now support inverted statuses and can write custom values to acknowledge alarms.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I24597	The DNP3 driver may have lost data on slow networks.
I24554	The Driver Multiplexer failed to perform a failover when the current subordinate SNMP Driver exceeded maximum retries.
I24550	Disabled or inaccessible pages could leave behind redundant dividers in the Page Menu List.
I24519	It was not possible to filter the Tag Browser contents by the Tag_ID parameter.
I24517	Some images with the same name did not appear in widget search results.
I24468	A client of client Driver Multiplexer machine could miss initial data synchronization, and therefore would show no/stale values.
I24414	The embedded browser did not provide an error message when the version of WebView2 was below the minimum supported version.
I24322	Stale DNP3 data did not have the stale attribute on server failover with Hold on.
I24212	The bevels of numeric entry widgets which used the VertAlign parameter would be drawn in the wrong location.
I24016	When signing into an account with "Force reset of password on next sign in" enabled, the Reset Password dialog's window title could have appeared truncated.
I23419	Tag Scoping Rules did not apply to some Security Privileges.

I23165 Operational changes that set parameter overrides would deploy any undeployed parameter overrides on the same tag.

## **VTScada version 12.2.07 - Released August 27, 2025**

### **New Features**

<b>ID</b>	<b>Description</b>
F2013	SetShelved now supports pre-shelving of ad-hoc alarms and re-shelving of currently shelved alarms.
F1984	All Select Image dialogs now support searching and sorting and retain their zoom level across the application.

### **Incidents Cleared**

<b>ID</b>	<b>Description</b>
I24506	When operating a Standard Screen Display Report, the tag value would be reset to 0 while still on screen if the report was not already open when operated.
I24479	The DataFlow System RTU Full Refresh could not be performed faster than once an hour even though the driver allowed specifying a faster rate.
I24458	Entries in the External Folders section of the Source Debugger's Options dialog were lost after the debugger was restarted.
I24449	Duplicate entries could appear in the tag ID table when using the Oracle SQL setup example.
I24443	Some editable droplists could appear highlighted on positional change of the droplist control.
I24435	The Relay Command did not work correctly with Toyopuc PC3 PLCs as the Program Number was not able to be specified correctly.
I24417	The remove TOTP devices button in the Accounts dialog was enabled even if no TOTP devices were registered for the user.
I24416	When a folder typed Menu Item tag was disabled, it sometimes appeared in the Tag Browser with a random or unexpected name instead of its assigned label.
I24397	The Administrative Settings dialog required users to scroll to get to the OK and Cancel buttons.
I24343	The training simulator was named based on irrelevant version information.
I24332	Font type values assigned through expressions were not working in few widgets.
I24330	The Rockwell driver could fail if its Port Segment Path was changed without restarting the driver.
I24324	Some alarm notification events were incorrectly associated with the currently logged-in user instead of being unassigned when a roster contact lacked a valid username.

- I24150 In the Source Debugger and other tree controls, the selected item could unexpectedly change after switching tabs, collapsing a parent node, or when the window regained focus.
- I24046 Filtering and keyboard selection in the dialog for selecting a page or widget was not working as expected.
- I23610 There were problems connecting to VTScada as a service, via an internet client, when the VAM was hidden.

**VTScada version 12.2.06 - Released August 11, 2025**

**New Features**

- | <b>ID</b> | <b>Description</b>                                                                                                                     |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------|
| I2001     | VTScada now enforces TOTP authentication when retrieving applications using the "Get from Workstation" feature for TOTP-enabled users. |

**Incidents Cleared**

- | <b>ID</b> | <b>Description</b>                                                                                                                                                              |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I24471    | Users were able to modify the Digital I/O tag's alarm "Trip", "Upon Change", and "Append state to alarm description" settings without having the Tag Modify privilege.          |
| I24456    | The History Log Address field for an Enron Modbus Driver tag rejected valid addresses greater than 32,767.                                                                      |
| I24448    | It was not possible to link custom widgets to a custom help file.                                                                                                               |
| I24408    | VTScada application properties used to be read as 32-bit integers even for 64-bit integer values.                                                                               |
| I24380    | The function selection dialog did not enforce the correct type when editing the parameters of a PickValid function.                                                             |
| I24372    | When the Show toolbar property of the Recipe List widget was disabled, the widget appeared blank.                                                                               |
| I24366    | The PLC Alarm tag could not perform some alarm operations when using the Rockwell driver.                                                                                       |
| I24358    | The trend popup window was shown behind graphics on secondary monitors after losing focus in multimonitor setups.                                                               |
| I24303    | Editing a parameter in certain config folders could cause unrelated controls to become highlighted.                                                                             |
| I24282    | The ellipsis button in the Tag Properties dialog lacked a tooltip to indicate its function.                                                                                     |
| I24237    | The buttons in the Recipe toolbar were disabled while the batch was running.                                                                                                    |
| I24103    | Multiple comma-separated URLs in the VIC Launcher dialog could fail to connect to subsequent servers.                                                                           |
| I23808    | Security privileges disabled for a user in earlier version of VTScada would appear to be enabled in the Accounts window (though they still acted as if they were not assigned). |

- I23534 The VTScada Training Simulator sometimes got stuck processing the same batch forever.
- I23258 The Report Button widget was not interactive when drawn on a custom page. There were also issue handling the generation of the report such as failing when the Report Button widget was no longer drawn, nonfunctional buttons, and misleading progress.

## VTScada version 12.2.05 - Released July 31, 2025

### New Features

- | <b>ID</b> | <b>Description</b>                                                                                                                             |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|
| F1997     | API support for converting a VTScada timestamp to ISO8601 time format and vice versa has been added.                                           |
| F1981     | The Publisher API now supports publishing alarms.                                                                                              |
| F1966     | VTScada now has a widget that allows users to monitor the status of an application's Rosters and to reset a Roster if it is in a failed state. |

### Incidents Cleared

- | <b>ID</b> | <b>Description</b>                                                                                                                                                                                                                 |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I24452    | Runtime data could fail to synchronize after network interruption or on startup, potentially leading to IO failures.                                                                                                               |
| I24445    | Pages with multiple Tag List widgets could be slow to load in applications with realm filtering and thousands of tag areas.                                                                                                        |
| I24429    | The Setpoint feedback indicator for the Grundfos Control MPC tag was displaying incorrectly on the Sites page.                                                                                                                     |
| I24407    | Some widget panels were allowing color replacement for SVGs which is not supported.                                                                                                                                                |
| I24402    | The Alarm List widget did not update in real time when publishing the alarm history through the data diode.                                                                                                                        |
| I24393    | A page compile error occurred when the PLC Alarm Control widget's Digits after the Decimal was set to a Linked Tag Property and the Alarm Configuration Setting was changed from Setpoint to Disable, Priority or Alarm Condition. |
| I24386    | Copying a watch expression in the source debugger incorrectly copied the expression's result instead of its text.                                                                                                                  |
| I24363    | The Trigger Tag's time entry fields were displaying "AM/PM" when using a 24-hour format.                                                                                                                                           |
| I24359    | Alarms could appear with a PhraseID instead of a human-readable description when Shelved, Disabled, or Suppressed.                                                                                                                 |
| I24327    | When editing a property in the Application Configuration dialog's advanced interface and encountering a warning dialog, closing the warning dialog using the X button could be treated as OK instead of Cancel.                    |
| I24309    | Reading remote files larger than approx. 16kb using a VIC could result in the VIC connection dropping.                                                                                                                             |

I24301	Some parameters could lose their parameter expressions when closing an expression editor without using the OK button.
I24232	After some operations, the Tag Browser would not leave the expected tag selected and/or keyboard shortcuts would not affect the expected tag.
I24156	Totalizer tags could produce unnecessary publisher traffic for each log interval even when their values were not changing.
I24059	When setting Link Tolerance below 100, the backup server failed to take over.
I23657	The SNMPOAgent unnecessarily reported the error 'Error adding SNMP agent user information' when it added the very first user.
I22097	The PatternMatch and ListVars functions did not handle text parameters with NULL characters properly.

## VTScada version 12.2.04 - Released July 16, 2025

### New Features

<b>ID</b>	<b>Description</b>
F2000	A new function named NewTagsFullyStarted() is now available which indicates that tag updates from ModifyTags have fully completed.
F1995	VTScada now provides an interface to get the last timestamp for a given history address in an Enron Driver.
F1973	VTScada now supports individual selection of tag parameters when importing tags from a PLC.
F1910	The Tag Browser now has a "Discretes" category when filtering tags. Custom discrete tag types can now use discrete equipment labels defined in a Style Settings tag.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I24371	Reopening the panel of the Page Hotbox or Page Button widgets could clear their parameters.
I24346	Multi-Write tags using Expressions could leak memory and contribute more to the processing load every time they or their parent tags were modified.
I24335	The table interpolation function failed to return a value when the input matched the first data point in the csv file.
I24313	Some configuration parameters of newly created tags were highlighted in green before any changes were made.
I24293	A heavily loaded system with lots of I/O tag value updates would consume a lot of CPU when updating the tag's DisplayValue variable.
I24273	The sites page arrow and page controls did not correctly display the toolbar's background color.
I24261	Breakpoints on a unit test did not trigger.

I24220	The Export/Sync Tags confirmation dialog erroneously implied that it was exporting all tags even when doing a partial export.
I24100	The Client-AdditionalAllowedHosts option was not mentioned in the Security Guidelines Manual.
I23885	The argument "D=" didn't work when installing VTScada from command line.
I23861	Some SparkplugB-related fields were still editable when the MQTT Client Driver was not in SparkplugB mode.
I23844	PVR Reports run on a Meter Run tag would not have their production date converted to the Flow Computer's selected time zone, causing all reports to be generated in UTC.
I23797	Flow computer tags stopped polling for data after their device type was changed
I23595	The OCPP RemoteStartTransaction address was not fully supported for all EV charger configurations.
I23576	The VIC displayed an incorrect 'application not running' error when bad credentials were used with a script application.
I23201	The Source Debugger could hang for many minutes when making operations on a module with many instances.
I23097	Custom discrete tag types couldn't be linked with equipment type labels.

## VTScada version 12.2.03 - Released June 26, 2025

### New Features

<b>ID</b>	<b>Description</b>
F1926	VTScada now supports both basic FTP and secure FTP (FTPS) as an FTP Client.
F1809	The WindowsLogon function now returns the error code as an optional output parameter.

### Incidents Cleared

<b>ID</b>	<b>Description</b>
I24347	The Alarm Database parameter of various tags would show "Error: Multiple AlarmDatabases" when there wasn't actually an error.
I24325	History reads on the Fisher ROC driver could fail if the end of the flow computer's history log was empty.
I24320	The Bristol driver failed over too quickly and the BristolFailoverCount setting required an application restart.
I24316	An attempt to sign in with a WSI account that was new to the VTScada application failed.
I24315	In the Roster tag's configuration dialog, the 'Repeat at end of list' checkbox could have failed to show the result of a parameter expression.

I24304	The TOTP registration dialog in the Anywhere Client and VIC lacked instructional text.
I24291	The date selection in the Reporting Period widget could have advanced when setting the hour selection to 12 or when setting the minute selection after setting the hour to 12.
I24290	When upgrading to 12.2.01 all parameters of any existing Meter Run tags would be marked as overridden even if the parameter had not been modified.
I24264	Sibling linking was disabled for all tags below a Recipe Proportions tag.
I24200	Tag's parents in the legend of Pie Chart couldn't be adjusted after updating the "Name Depth" property in the properties dialog.
I24169	Copying from the idea studio palette search bar while selecting a graphic copied the graphic's source code.
I24146	Pie Chart segments all appeared black when adding multiple tags.
I24137	Write commands attempted during a network outage with a Driver Multiplexer could have been sent regardless of ReWrite settings on the subordinate drivers.
I24041	Synchronizing tags failed if the export was done using a root tag declared in an OEM layer.
I24038	Removing the last local server from the Thin Client Servers list in the Thin Client/Server Setup dialog caused the list to be cleared across all servers.
I24015	Batch and Recipe Management page did not show values retrieved from PLC.
I23834	ABB Totalflow Driver couldn't specify time limits or sequence limits when reading trend files. The driver could also leave instances of the ABBTCIWrapper COM server lingering in memory.
I23586	In a system with multiple voice configurations, the name of the voice call failure alarm could be misleading.
I23173	The DriverMUX did not work properly when setting the OPC UA Client Driver as a subordinate driver.
I23095	When signed in as a realm-specific user, the root-level roles would appear as "Unknown role" in the Roles section of the Accounts dialog.
I22836	[SECURITY] VTScada now enforces a minimum password length of 8 characters.
I22107	Retrieving notes from Notebook tags with extensive history could cause VTScada to crash.
I16890	Many file open/save dialogs did not show extensions in the list of types under "Save as type".

## VTScada version 12.2.02 - Released June 11, 2025

### New Features

ID	Description
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- F1999 VTScada Rate of Change tags now have the option to calculate their values locally without synchronization, reducing unnecessary RPC traffic in distributed systems.
- F1998 A new application setting, OPCServerRequestRateThreshold, has been added that will suppress publishing from the OPC Classic Server during periods of high subscription volume.
- F1839 Pages that a user cannot access will no longer appear in their page menu if HideInaccessiblePages is set to true.

### Incidents Cleared

ID	Description
I24295	The SNMP driver could fail V3 engine discovery with some RTUs such as the Moxa IOThinX 4510.
I24277	Data Diode Client could assemble packets incorrectly and cause data loss in some situations.
I24271	The SNMP Driver could result in incorrect data received in some traps and might lead to a crash.
I24242	The Meter Run History Address reverted after clicking OK without making any changes.
I24241	Recipe Page no longer showed units in entry fields.
I24107	The Rockwell driver, in Micro820/850 (Symbolic Addressing) mode, would stop reading tags that reported errors.
I24045	Data Diode initial bulk sync could be unnecessarily slow in some situations.
I23939	Application responsiveness could be slow on first start of an Oil and Gas Solutions application after a VTScada upgrade.
I23750	Combobox droplist did not always display full strings when used with uppercase style.
I23701	The French translation used for publisher type tags was inconsistent.
I23697	Links in the Thin Client's disclaimer section could not be opened with a left click.
I23634	When loading a workspace with a bad expression, the Source Debugger could repeatedly generate alerts, making VTScada unusable.
I23426	Trailing spaces in the Twilio domain setup would cause Twilio calls to fail.
I23374	SQL SELECT DISTINCT queries were not working correctly when columns in the ORDER BY clause weren't referenced in the SELECT clause.
I23064	In the config folder of a derived child tag with expression overrides, the highlight did not indicate an override.
I22501	The VTScada OPC DA server could fail to publish data changes when the OPC DA server was heavily loaded, particularly when a new OPC client was connecting while many tag changes were ongoing.
I22396	Parsing large XML files using XMLParse took longer than necessary and could crash VTScada.

## VTScada version 12.2.01 - Released May 28, 2025

### New Features

<b>ID</b>	<b>Description</b>
F1990	The VTScada Batch and Recipe Management system now refers to recipe Ingredients as recipe Parameters in order to match the ISA 88 standard terminology.
F1988	It is now possible to configure a default tag for any given *ReferenceType (e.g. *Driver, *Publisher, etc.) in the properties of an application. If no ancestor of that type is found, the reference will default the specified default tag for that type. This can be done in Settings.Startup in a [DefaultTagReferences] section where each unique *ReferenceType is a property whose value is the Name or UniqueID of a tag. Bonus: As a result of these changes, Tag Area Filtering can now use areas that have spaces.
F1985	VTScada now allows for sibling tag linking for tag present at the root of the tag tree.
F1978	VTScada now has hooks which disable all UI for acknowledging, shelving, and unshelving alarms.
F1977	The Alternate ID for logging into an alarm notification voice call can be spoken if the application is configured to use Twilio.
F1972	There is now support for loading and rendering SVG images.
F1968	Users can now scan a QR code to activate or deactivate VTScada licenses on machines that are not connected to the Internet.
F1965	VTScada is now compatible with Server 2025.
F1964	VTScada now positions the "Properties" option at the top of context menus in multiple areas, including the Tag Browser, Alarm page, and tag widgets.
F1962	The Idea Studio now supports zooming using Ctrl + mouse wheel scrolling.
F1961	New keyboard shortcuts have been added to various tools and actions in the Idea Studio, Tag Browser, HDV, Alarm Page, Source Debugger and tag properties.
F1960	Permissions and menu callbacks are now more easily available when creating custom alarm context menus.
F1958	VTScada now supports adding non-commissioned alarms to alarm lists.
F1957	VTScada now supports automatic linking to sibling historian tags.
F1955	New functionality has been added for data structures in the Source Debugger, including expanding/collapsing all nodes in nested data structures, automatically refreshing values, filtering by keys and/or values, and toggling the data formats of all nodes.
F1954	The calendar has a new look and feel.
F1953	VTScada can now generate QR codes.

- F1949 VTScada now has built-in support for multi-factor authentication through time-based one-time passwords (TOTP), supported by standard authenticator applications.
- F1946 VTScada now supports sibling tags automatic linking.
- F1943 Sparkplug B publisher now supports incoming write commands.
- F1942 VTScada now supports a built-in Numeric on Screen Keypad for all Numeric Fields.
- F1941 The Source Debugger now has a binary display mode for numeric values.
- F1940 A new historian summarization (TPP) mode has been added which returns the last logged value within the time span.
- F1939 VTScada now allows fetching a list of connected printers using the new ListPrinters function.
- F1938 VTScada now supports printing HTML documents.
- F1936 The Oil and Gas Solutions layer now supports the FB3x Series of flow computer devices.
- F1934 A new "Forms" folder has been added to the widget palette which contains widgets for creating manual data entry forms.
- F1933 Support for linking an unlimited number of Meter Runs to a Flow Computer has been added. Meter Runs can now be placed anywhere in the tag hierarchy and linked to a Flow Computer.
- F1932 TCP transmit buffer sizes in VTScada are now dynamically managed by Windows for better performance.
- F1927 Tag Browser performance has been significantly increased in applications with realm filtering. Performance has also been improved when showing all children of a tag, and/or filtering by just type or area.
- F1920 Alarms can now be filtered by custom fields by default, with support for user-defined filtering via AlarmFilterHook.
- F1909 A new Publisher List tag type has been added. This tag will allow one I/O tag to publish its values to a list of multiple Publisher tags.
- F1901 Recipe Book tags can now be configured to track batch processes that are run externally to VTScada.
- F1899 A new page has been added to display details of a single batch given a Recipe Book tag, a Start Time and an End Time.
- F1898 A page and a widget have been added to display a list of historical batches run for all recipe books across an application.
- F1890 Recipes have been enhanced to allow for recipes with multiple steps.
- F1889 The OPC DA Publisher can now be linked to I/O tags as a publisher tag.
- F1868 All I/O tag types that support publishing now have a Publisher parameter that can be set to the name of a Publisher tag to which the I/O tag will publish its values. The parameter defaults to \*Publisher so that the Publisher tag can be part of the ancestry of the I/O tag.
- F1862 VTScada now supports publishing using MQTT SparkplugB.
- F1847 The Report tag now supports a server list option, which improves redundancy and continuity for report generation.

- F1843 VTScada now supports sending historian data across a Data Diode device.
- F1828 An information dialog has been added to the tag properties dialog that makes it easier to view and copy the Name, UniqueID and Tag\_ID values of a tag.
- F1790 A new Address Assist has been created for selecting Workstation Status Driver addresses.
- F1785 The display of digital plot lines in the Historical Data Viewer has been improved.
- F1746 VTScada now supports the retrieval of Current, Active, Disabled, Shelved, Suppressed and Unacked alarm tables as well as Control Locks, Tokens and Token Requests from a VTScada application using SQL queries.
- F1026 Instead of always exporting the full tag tree from the Export/Sync Tags panel, VTScada now supports restricting the export to just a subtree. This allows for faster exports and imports when dealing with just a subset of the tags.

### **Incidents Cleared**

<b>ID</b>	<b>Description</b>
I24234	When a Rotary Control or Slider widget was linked to an Analog tag with a large scaling range, opening its config folder caused high CPU usage.
I24189	The Rotary Control widget could become "stuck" displaying a new value, and the current value, but never applying the new value.
I24166	A page menu opened from the taskbar could appear below the window when opened on a secondary monitor.
I24142	The Tag Parameter Expression optimization checkbox had no effect on the Enabled and Method fields for a Roster's contact.
I24124	When editing a menu item that drew a hotbox, the hotbox was active and mispositioned in the preview.
I24123	Clear buttons in the Network Status properties Settings tab were misaligned.
I24120	It was possible for a server to become unresponsive during thin client communication.
I24113	The Change password dialog could appear off-screen on the Anywhere Client.
I24109	Numeric Entry widgets would sometimes appear truncated when unlinked.
I24081	The Tag Browser was adding significant script execution load on the system when the application thread was performing many tag updates.
I24078	For drivers whose SharedRPC properties were enabled, their IO tags on the client could stop receiving live data if a driver was restarted while the application was running.
I24062	Users were not notified of failed attempts to copy and paste parameterized widgets across pages.

- I24034 The Number Value widget would not always display the correct number of digits after the decimal if the "Use Tag's Digits After Decimal" option was selected.
- I24004 When the Hotbox Page Change widget was used within the TagList widget, the hotbox would not appear.
- I23985 The Bristol driver failed to perform a failover when the BristolFailoverCount setting was not configured.
- I23982 The DateSelector in the HDV could sometimes reflect a different date from what was selected the last time a date was selected.
- I23970 The Numeric Entry widget could not set an Invalid value when the "Prompt for Date/Time" option was selected.
- I23951 When the meta data or RootValue of a variable with meta data was updated and the variable was registered as a NetworkValue, the value update couldn't be sent to other machines.
- I23941 Script tag value could not be displayed on UI if the value was text.
- I23926 VTScada could crash when Transaction tags were configured with a circular reference.
- I23916 The OPC UA Client driver could fail to browse some OPC UA servers.
- I23912 The droplist in numeric parameter edit fields would sometimes not appear.
- I23911 The Historical Data Viewer's calendar sometimes appeared in the wrong position.
- I23905 The Workstation Status Driver's Address Assist expression field could become enabled at inappropriate times on the Anywhere Client.
- I23865 Attempting to add a tag scope to a security privilege from an Application Configuration dialog opened from the Application Manager would result in the Tag Browser having an empty tag tree.
- I23846 Rotating GUIText by 180 degrees or changing the text options would not redraw the text.
- I23754 Automatically assigned pen colors could sometimes match the layout background color or the plot background color.
- I23713 Translated text parameters were highlighted as changed after opening the phrase definitions dialog.
- I23687 The DriverMUX could have hung a Poll Driver Poll Group for some special read addresses.
- I23644 Outgoing text messages were not throttled to a rate the cell network could handle.
- I23605 DriverMUX could fail to do health check when subordinate drivers were DriverMUX tags.
- I23603 A DrawHDV linked to a page parameter could fail to draw Selected Tags depending on the tag's area, and the Selected Tags/Queries list in the DrawHDV panel could display incorrect descriptions and areas.
- I23580 Sometimes when switching from one page to another, a blank white page would briefly appear.
- I23488 A warning that a tag renamed matching to a disabled tag name was not presented on attempting to switch tabs in a configuration folder.

- I23359 Filtering alarms on Area or Description with quotes would fail to return results.
- I23302 Applications with a period in their name would have their proposed "Save-As" filename truncated when creating a changeset or snapshot.
- I23146 Parameter overrides were discarded when an unoptimized expression continuously changed value.