

Main Features

- New IQ Trend Display widget and corresponding new widgets (complete reimplementaton)
- Recorders can now be started and stopped via UI Actions or item conditions (and the Server API)
- Recorders can now record on trigger and the Server API (record a single dataset once on each trigger)
- New and fresh project list, included demos for download and latest blog posts
- Items now supports tolerances (for Trend Display widgets) and can be marked as discrete
- Projects can now be manged and up- and downloaded from the Runtime Manager in the browser
- The Server log file can now be downloaded from the Runtime Manager
- Added support for comments in the new Trend Display and Alarm List widgets
- The Alarm List widget can now be filtered by groups (configuration option)
- The Windows installers now allow for easy selection of development and runtime systems

Release Notes

General

- HMI projects created with older versions of WebIQ can no longer be started in WebIQ Server until updated to the same version through WebIQ Designer. This has been implemented to prevent follow-up errors if the HMI requires a current version of the database structure and/or new functions in WebIQ Server.
- *System & License Manager* has been renamed to *Runtime Manager* and now has a lot more features including logfile download (especially helpful for ctrlX systems)
- the server log can now also be downloaded from the Runtime Manager
- the legacy trend widgets have been replaced by new IQ Trend widgets that can be found in their own category in the Layout Manager of WebIQ Designer
- the command line argument --update has been added to WebIQ Server to update a project database
- new UI actions for starting and stopping recorders will show connected lines in the legacy Trend Display widget. Please use the new IQ Trend widgets instead which will not connect the lines when triggering start and stop of a recorder.

Linux

- WebIQ Server and License Agent can now be run as a non-root user (bugfix)
- files will automatically be moved from ~/.webiq to /var/lib/webiq so they are now similarly stored as on Windows as they are not user-dependent anymore
- the parameter --license has been removed and was not supported anymore since 2.11 anyway

Windows

- The installer now offers easy selection of a development or runtime environment. Please note that if you update from a previous version 'Runtime' will always be selected by default and has to be changed manually to update a development environment.

WebIQ Visuals

- WEBIQ-3635 Fix: The function shmi.onReady(..) searched for wrong widgets when a widget whose name partially contained the name of the desired widgets
- WEBIQ-3618 Fix: IQ Button: when values should be written when the button is pushed it did not work with bit access.
- WEBIQ-3601 Fix: IQ Linear Gauge, IQ Progress Info: fixed attribute 'fill from end'
- WEBIQ-3598 Fix: IQ Image Changer: a specified title was never displayed

- WEBIQ-3597 Fix: IQ Slider: when initially not visible in certain circumstances it could not be used
- WEBIQ-3591 Fix: Overlay Keyboard: fixed an issue that prevented custom handlers from being used
- WEBIQ-3581 Fix: When creating an app starter based on the tutorial the resulting HMI was empty due to changes in the layout backend.
- WEBIQ-3570 Fix: Numpad: when a single-digit value could be entered typing on the touch keyboard did not replace the digit correctly
- WEBIQ-3561 Fix: IQ Radial Gauge: in certain instances the initialization did not work correctly
- WEBIQ-3527 Fix: IQ Select Date: fixed white background instead of transparent background
- WEBIQ-3498 Fix: Dialog: the UI Action option 'insert top-level' did not work correctly from inside a composite
- WEBIQ-3462 Fix: IQ Input Field: when a multi-line input field was locked the line-breaks were removed
- WEBIQ-3440 Fix: When items were not unsubscribed correctly on unload (e.g. in a LocalScript) when changing the localization item properties were not correctly set afterwards.
- WEBIQ-3605 IQ Alarm List: comments on alarms can be edited
- WEBIQ-3586 Packages can now contain custom CSS files that will be listed inside the Code Manager
- WEBIQ-3560 The 'item-write' event has been extended
- WEBIQ-3521 IQ Heartbeat: will now raise an error and trigger the corresponding UI action if the initial value for the item to observe was not received within the defined timeout. Previously this only happened after a successful reading of the item.
- WEBIQ-3518 IQ Input Field: in multiline mode the resize handle is not shown anymore by default and can be configured
- WEBIQ-3463 IQ Select Radio: now includes new layouts for using buttons instead of circles
- WEBIQ-3459 IQ AlarmList: you can now define group ids for filtering the list to only show alarms from that alarm group(s) only
- WEBIQ-3458 IQ AlarmList: comments can now be added to alarms
- WEBIQ-3452 New trend widgets: IQ Trend Legend, IQ Trend Live, IQ Trend Select, IQ Trend Time, IQ Trend Zoom
- WEBIQ-3448 IQ AlarmList: can now be restricted to certain alarm groups
- WEBIQ-3446 IQ Alarm List: a placeholder has been added for an alarm level icon in the Alarm List detail area
- WEBIQ-3437 IQ Select Date: added CSS modifiers for selecting the popup location (top, left)
- WEBIQ-3381 Overlay Keyboard: in a password dialog the user can make the current input visible by clicking on a new eye button

WebIQ Designer

- WEBIQ-3642 Fix: UI Actions were shown in UI Action selection configuration patterns even when the corresponding package was available, but not installed in the project
- WEBIQ-3640 Fix: When invalid JSON files are contained in the project (e.g. when the user edited a file manually) and these contain an error the HMI cannot be loaded until the issue has been fixed.
- WEBIQ-3617 Fix: The index.html file was not generated automatically on package updates in Package Manager
- WEBIQ-3599 Fix: Package Manager sometimes did not verify the package dependencies correctly
- WEBIQ-3582 Fix: Fixed an issue where deleting certain views caused inconsistencies in the layout model leading to script errors in WebIQ Designer.
- WEBIQ-3574 Fix: Recorder Manager: Added a loading overlay when recorder configuration changes are applied to prevent issues in case the process takes longer than expected.
- WEBIQ-3559 Fix: The error message 'ResizeObserver loop limit exceeded' was shown in certain cases in slower systems
- WEBIQ-3534 Fix: A package with exactly 3 or 9 letters in its name could not be installed

- WEBIQ-3526 Fix: Process Data Manager: when an integer item was created under 'Variables' the item type was not shown correctly under 'Items'
- WEBIQ-3515 Fix: Unable to create more items when the runtime license tag limit has been reached only when WebIQ Designer was used with a Designer License in combination with a runtime license.
- WEBIQ-3472 Fix: Fixed an error message shown when a CSS Modifier was used with static values instead of items which was disabled
- WEBIQ-3436 Fix: When assets like images contained a + symbol in the filename these were not shown correctly
- WEBIQ-3422 Fix: User Manager: user deactivation checkbox did not work.
- WEBIQ-3378 Fix: Several managers did not update the lists in certain circumstances
- WEBIQ-3641 Recorder Manager: when a lot of items are added to a recorder and it takes longer an overlay is shown to inform the user
- WEBIQ-3623 New UI Actions for starting and stopping recorders are available
- WEBIQ-3607 A tooltip in the Recorder Manager has been changed for better understanding
- WEBIQ-3569 Tolerances can now be configured
- WEBIQ-3563 Newly created composites can no longer have the same name to avoid confusion
- WEBIQ-3562 Recorder Manager: recorders can now record data when certain events happen
- WEBIQ-3549 Project List: when hovering with the mouse over the 'package update available' icon the packages that have to be updated are listed
- WEBIQ-3536 Layout Manager: Modified menu for documentation and support
- WEBIQ-3523 To clarify naming the word 'app' has been renamed to 'HMI Project' in WebIQ Designer
- WEBIQ-3522 Items can now be marked as discrete.
- WEBIQ-3520 When creating a new HMI project, the debug box will not be shown anymore.
- WEBIQ-3514 Project Manager has been removed from WebIQ Designer and is still available through the Runtime Manager on <http://127.0.0.1:10123>
- WEBIQ-3512 The publish dialog text has been corrected.
- WEBIQ-3492 When an HMI project uses a package which is not installed in WebIQ Designer a corresponding message will now be shown in the configuration cockpit
- WEBIQ-3485 New layout in WebIQ Designer
- WEBIQ-3484 The latest blog entries from our website are now available right inside WebIQ Designer
- WEBIQ-3483 Available demos can be accessed and downloaded right from inside WebIQ Designer
- WEBIQ-3480 The new project list now also includes a list view in addition to the tile view
- WEBIQ-3479 The project list can now be sorted by certain project attributes
- WEBIQ-3478 Searching in the project list is now available
- WEBIQ-3477 Fresh design for the new project list
- WEBIQ-3461 When importing exported layouts which include CSS the user will now be asked if CSS files should be overwritten if they already exist.
- WEBIQ-3460 When importing layouts that contain composite widgets that already exist (identified by their own unique internal ID, not their name) the user now has the option to overwrite or skip the corresponding composite.
- WEBIQ-3445 IQ Alarm Info: a new layout is available that includes the alarm detail message
- WEBIQ-3402 Process Data Manager: Item Tolerances can now be configured
- WEBIQ-3290 IQ Trend Display: added completely new Trend Display widget using the new API

WebIQ Server

- WEBIQ-3633 Fix: Arrays were sent decoded despite not being fully supported.
- WEBIQ-3621 Fix: Possible memory leak when reinitializing the SSDP server for discovery that
- WEBIQ-3620 Fix: There was no maximum log file size defined by default. This has now been fixed.

- WEBIQ-3579 Fix: Possible crash when unloading of projects is forced by license loss.
- WEBIQ-3556 Fix: Trend: recording of static items did not work correctly in all instances
- WEBIQ-3532 Fix: Fixed a crash that could happen when an IO Handler lost a connection to its source
- WEBIQ-3457 Fix: On Linux devices using MMC block devices invalid hardware data was recorded in the activation file that might lead to licenses becoming invalid
- WEBIQ-3455 Fix: The alarm confirmation item was not written correctly in certain cases
- WEBIQ-3453 Fix: INT32/UINT32 items were always written as 0 or 1
- WEBIQ-3450 Fix: Fixed a possible race condition on project unload
- WEBIQ-3443 Fix: License Agent would only run as root user on Linux
- WEBIQ-3439 Fix: Fixed possible DoS (Denial of Service) because of wrong URL parsing
- WEBIQ-3433 Fix: Recorder could not record unsigned integer values
- WEBIQ-3370 Fix: Fixed the error 'system:10049:The requested address is not valid in its context' which sometimes led to WebIQ Server not being able to start correctly on system boot (Windows only)
- WEBIQ-3632 Recorders can now be started and stopped via the API
- WEBIQ-3611 Added configurable HTTP headers in .db/config.json for added optional security: CSP, Anti-clickjacking, disable content sniffing, hide server header or configure a custom header
- WEBIQ-3564 Added support for WebIQ Enterprise licenses
- WEBIQ-3553 Linux: projects and associated data can now be found in /var/lib/webiq instead of the home directory of the user running the server. In addition the command line parameter --update was added to update a project database.
- WEBIQ-3552 Linux: WebIQ Server now also runs as a non-root user. Also the parameter '--license' has been removed as it was not supported anymore since WebIQ 2.11 anyway.
- WEBIQ-3548 Runtime Manager: HMI projects created with older versions of WebIQ can no longer be started until updated to the same version
- WEBIQ-3500 The connect.log server log file can now be downloaded from the Runtime Manager directly
- WEBIQ-3491 Added an information to the license activation in WebIQ Designer that shows why certain (runtime) licenses cannot be activated there.
- WEBIQ-3476 You can now configure CORS headers in WebIQ Server which is required to embed WebIQ HMIs in other website, e.g. using iFrames.
- WEBIQ-3465 The Runtime Manager (formerly named 'System & License Manager') now allows you to see, import, export, start, stop and configure projects for autostart.
- WEBIQ-3423 Runtime Manager & Designer: license management now shows 'subscription' instead of the yearly expiration date for subscription licenses
- WEBIQ-3415 License Agent in Linux now also honors proxy environment variables
- WEBIQ-3406 Added support for recorder triggering instead of continuous recording
- WEBIQ-3403 Added support for comments
- WEBIQ-3401 Items can now be marked as discrete
- WEBIQ-3400 Implemented support for tolerances
- WEBIQ-3399 Added the new Trend2 API for accessing trend data from the new IQ Trend Display
- WEBIQ-3398 Added API for database operations for Trend V2
- WEBIQ-3397 Support for recording item attributes in a recorder