October 2022

WATS Server 2022.2 Release Note

Major Feature Areas

Local time support & Improved date picker

- Users can specify their local time zone in "My Settings". Reports containing time data will now provide the opportunity to view time according to the users selected time zone in addition to UTC.
- The new date picker contains all date and time related filter options including "From date", "To date", "Period grouping" and "Show time as". The new "Show time as" filter option indicates whether the selected time range will be interpreted as UTC time or as time according to the time zone set by the user in "My settings". The date picker also includes a wide set of "Quick dates" allowing the user to set sensible from and to dates by clicking a single button.
- In addition to the previously mentioned "Time Zone" setting, "My Settings" will include other new date and time settings providing increased user control of how time is presented and interpreted in Wats.
    - The "First Day of Week" setting, as the name indicates, decides the day of week to be considered the first.
    - The «Calendar Week Rule" setting decides the rule to be applied when identifying week number 1 within a year, hence affecting the week numbering in Wats.
    - The «By Default Show Time As" setting decides the default value of the "Show time as" option in the reporting filters. This value will be set on cleared or unmodified filters.
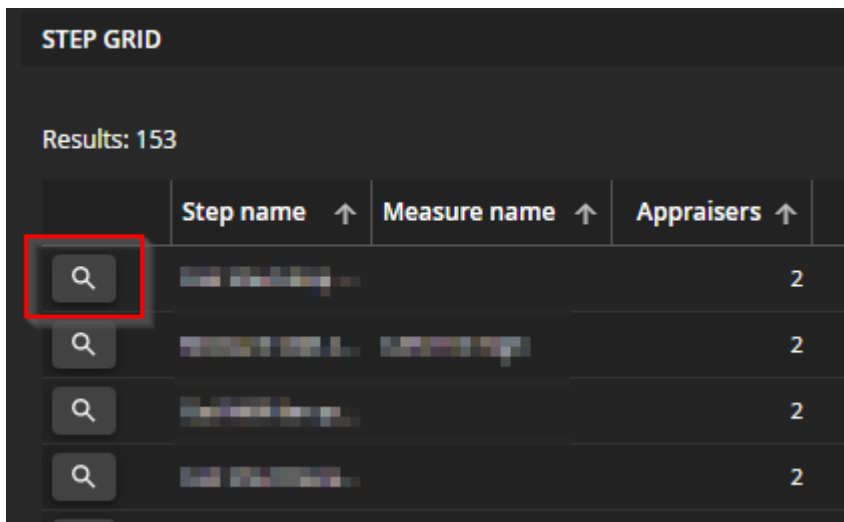
GR&R

Gage R&R (GR&R) have been updated; it's now given a new design which will be more intuitive for new users.

We have now integrated the filtering of reports to use in the analysis, more flawlessly into the initial grid. This makes it simpler to include/exclude what data you want the GR&R analysis to be based on. Simply check/uncheck the boxes of the data you want to include/exclude.
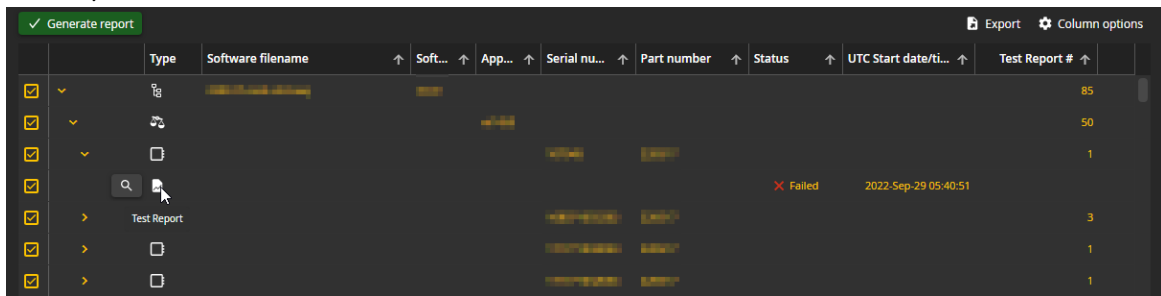
The step grid no longer contains the table or charts which it previously displayed. It now has the option to show every type of relevant column, which gives the user the opportunity to tailor the grid to show exactly what the user wants. All the data which previously was revealed by expanding a step in the step grid is now available by pressing the magnifying glass icon (GR&R details) next to the step in the step grid.

It is now possible to adjust the high/low limits inside the GR&R details:

Enter a new high/low limit and press "calculate". This will recalculate certain data based on the new limits. If the user wants to set the limits back to the original values, simply press the "reset" button.

The charts got upgraded as well, both visually and functionally. It is now possible to adjust zooming and which series which should be visible (for certain charts).

Cost analysis (preview)

Cost analysis is a new report which will display the cost of retesting for different periods. This report has parameters which can be adjusted to get a reading of how much retesting costs in each period. The currency which will be displayed in the report may also be adjusted.
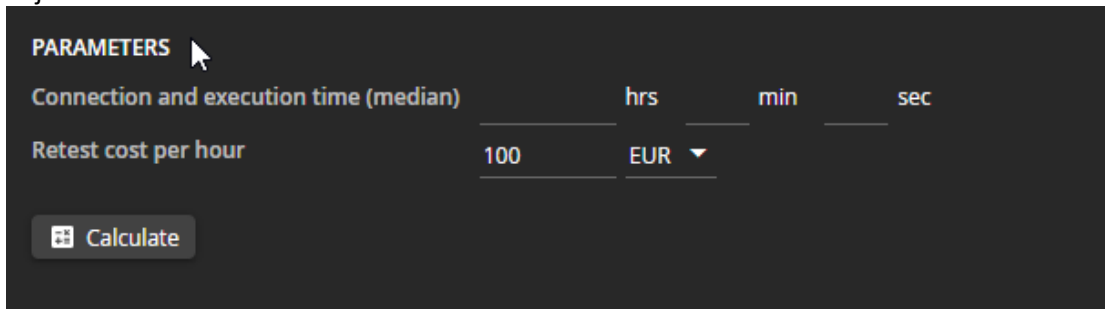
The grid shows an overview of the cost of retesting for each period between the dates set in the filter (Connection and execution time is calculated per test station in background):

The information from the grid is visualized with a pie chart and a bar chart to get a clear overview. You may add these items as dashboard widgets and adjust the parameters per widget to get a more accurate cost calculation per level, Part number, etc.
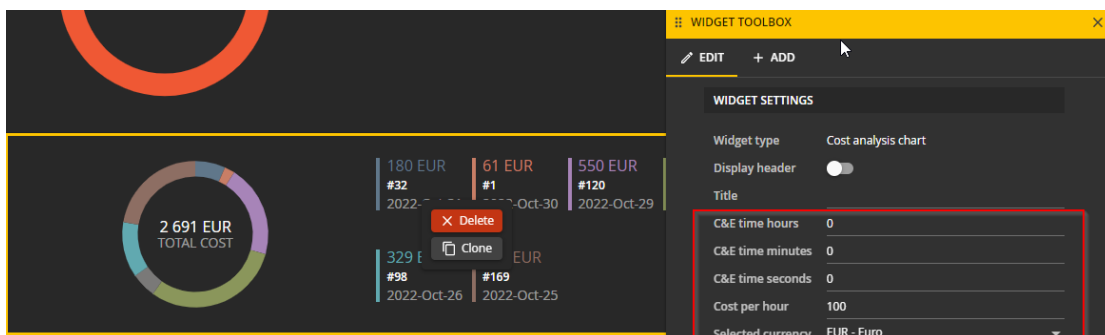
The report is in preview and further features are being considered for the upcoming versions of WATS.

Alarms and notification

Alarms and notification have been updated with the following features.

- There is now support for creating alarms for the Serial number handler (example; notify if number of free mac addresses is less than 100).
- There is now support for creating alarms for Assets (example; notify if an asset is in alarm status (out of calibration, running count exceeded, etc.).
- There is now a maximum of 30 active alarms in the Alarms & notifications module.

Example:

REST API

- Report Query returns and supports filtering on sub units, misc info, and more.
- Find Serial Numbers By Ref, search for Taken serial numbers by refSN and refPN .
- Export UUT Certificates. You can now export and download certificates using the rest API.
- Users restricted by level can now use the report/query/header endpoint.

Miscellaneous features

- Users: A new "WATS Authentication is enabled" option has been added. If this is turned off for a user, logging in with WATS Authentication username and password is disabled, and only AD-login will be available. Note: this is not yet supported by the WATS mobile app.
- Export Wizard: UUT Certificate export supports using Numeric format from the UUT.
- WATS Clients API access are restricted to the level it is placed in the System Manager. NOTE: This means that a WATS Client located in a level will not have access to reports from other restricted levels. Searching full unit traceability may then be limited.
- Grid header tooltips: Grid column headers in reporting can now be hovered to read an explanation of column data.
- Charts: The chart options now include a button to reset series back to the default view.
- Print: Logos are now included when printing a UUT report.
- Print: Charts should now generally be better scaled for pages when printing.

Bug fixes

Bug fixes in this list is a summary of items since the last Server release. Most items have already been deployed to cloud accounts through periodic maintenance.

- Dashboard - Total process yield grid and chart does not have period grouping.
- Dashboard - Drilldown to UUT not working in Alarms log widget.
- Asset manager - Minor changes.
- Dashboard - Periodic yield grid does not show part numbers when expanded to part number level.
- Dashboard - OEE widget chart should not be able to display an "empty" bar.
- UUT report - Display NA for missing days since calibration and maintenance.
- General - Add change log for Serial Number Handler.
- Reporting - RTY doesn't include period when min-/max-units filters are applied.
- Production manager - Initial call for entities is done twice.
- General - Improved table storage statistics.
- Dashboard - Improved change detection in OEE chart.
- Database report data always overwrites wrml, even when not processed yet.
- Dashboard - Drilldown does not provide correct filter to reports.
- Manual Inspection - Duplicate idx on two different sub units.
- Reporting - Broken help links.
- Operator Interface - Quarantined reports are shown in Serial Number History.
- Dashboard - Only 10 records are returned by dynamic yield if top is unspecified.
- General - The default headless role doesn't have access to the App/DynamicYield endpoint.
- Control Panel - Unable to change user role.
- Report center - Reports from a client with guid as custom identifier always quarantined.
- Dashboard - Open as report does not remove time component.
- Production manager - SW File editor grid is not showing.
- Pie chart legend - Display missing values as "0", not NaN.
- Increased cpu usage on some cloud instances.
- Step details - Numeric chart does not take up full width.
- Manual Inspection - Usage of HTML tags in MI description no longer works.
- Station report - Details view, error in OEE link.
- Manual Inspection - Can add same step twice on a slow network.
- Test reports - UTC start date time column was not treated as a date by excel export.
- Asset manager / Production manager - Sorting does not reset when pressing "Reset columns".
- Dashboard - Allow no index to be selected in the OEE period chart's widget settings.
- Dashboard - Changing period grouping changes the result set.
- Step details - Measurement time view chart dates does not have 4 digits for year component of date.
- UUT report - Additional station info is not shown if there is no other additional data.
- Operator Interface - Closing scanner configuration dialog when enter key is received from scanner.

- Operator Interface - Improved barcode scanning.
- Dashboard - Yield columns is not formatted correctly in Product & test yield grid
- Operator Interface - Closing scanner configuration dialog when enter key is received from scanner
- General - Hourly queue throws exception if no primary contact is specified.
- Rest API - Unable to submit reports and register clients on Basic plan
- System Manager - Updating site (changing GPS) sets site code to null, disabling server to server sync
- UUT report - Remove support for HTML in additional results values
- Asset - Asset touched by client takes priority over asset parent in hierarchy
- Manual Inspection - Instructions pdf occasionally jumps to wrong page when page number and search string is specified
- Reporting - Process Capability analysis doesn't include revision and sequence filters in step details drilldown.
- Dashboard - Station report grid is not dynamic yield
- Filter - "To date" time automatically sets to 00:00
- Serial Number Handler - Take sets refSN and refPN to the text 'null' if none is provided
- Users - Previously selected users are also counted when showing "delete (x) users" dialog
- Dashboard - Dynamic yield grid. Display empty cell instead of "0%" for the different yield columns
- Alarms and notifications - Unable to save alarm rules with level or group filters
- Production Manager - Cannot add Workflow relation
- Production Manager - Unresponsive toolbar after an unsuccessful delete request.
- Alarms and notifications - Email actions doesn't support colon in serial number.
- Production Manager - Unable to delete revoked MI instructions with attached instruction pdfs
- UUT report: Meas name should be rendered as text, not HTML
- Reporting - Matrix view may include to many rows when drilling down from a record with empty dimension value
- Periodic yield - Part number rows matrix view does not provide records when rows "Product name" is undefined
- UUT Asset naming
- PRP files generated from clipboard adds carriage return on values in last column
- Unable to see product groups of assigned products
- Periodic Yield - doesn't draw the chart bars
- Reporting - Redundant api calls requested from charts
- Reporting - Filter - 'Select now' in filter time picker sets local time, not UTC + fast choices in datepicker does not affect time value
- Reporting - Drill down filter does not include 'Repair operation'
- Asset tree view does not auto expand when drill down from UUT
- Asset info is not copied to replaced UUT
- Reporting - Printing results in far to many pages
- KeyValue UserSettingsYieldReportGrid can occasionally get multiple of same column in columnOrder
- Add a dashboard info section to the settings dialog

- OI - Unable to delete unsubmitted reports
- PDF Dashboard print prints 12 months of data, regardless of filter settings.
- Dashboard - Station yield chart and Station test yield chart widget doesn't use dynamic yield
- Report center - Data warehouse statistics issue when dimensions change in second or subsequent runs
- Double MAC addresses distributed - a fix that should stop the second ack/release
- Dashboard - Chart rendering issue in 'Station test yield chart' widget.
- Rolled Throughput Yield - bar chart data only visible when period grouping is "Month"
- Periodic yield - Passed in run chart data only visible when period grouping is "month"
- Dashboard - 'Test report #' column visibility issue in 'Station report grid' widget
- Asset-manager - Grid expands active row and not its parents when drilling down from UUT-report
- Rolled throughput yield chart - 'Test operation FPY %' value in tooltip is duplicate of its label
- OI - Manual inspection - Numeric step value sometimes defaults to "0", when previous step is confirmed by clicking enter.
- Dashboard - Periodic yield chart not sorted by period
- Remove old dashboard as default Reporting start page for new users
- Lock dashboards for editing while they are loading
- Dynamic yield - SW filename and version not included in filter
- Certificate export ignores measurement on steps with sequence call and measurements
- Rolled throughput yield chart - add to dashboard button adds periodic yield grid
- Product Manager - Restricted users may export/import products from csv
- Production Manager - Unable to move items into a new virtual folder
- Production Manager - Unable to design sequences that are not added to a virtual folder
- POST WSJF rejects report with empty value in string measurement
- Last received report may not processed correctly if replacement report is received while previous report is in first phase of processing
- Expire date for tokens is not working properly
- Reporting / My settings - User filters - API call to get or delete a user filter fails when filter name includes special characters
- Repair process category and codes are always not selectable
- Production manager file editor adds unwanted commas when saving