

New Features

Time & Attendance

- [[WD-20235](#)¹] - New function allowing the start of time tracking to be moved into the future, with corresponding user confirmation.
- [[WD-19995](#)²] - New REST endpoint for the upcoming function for synchronizing offline time tracking bookings to catch up on recorded times.
- [[WD-19902](#)³] - New function to support multiple time tracking systems in the correction client with universal configuration of time reasons, permissions, and accounts.
- [[WD-19397](#)⁴] - New function for storing the employee ID in a more suitable field in order to represent multiple employments per person.
- [[WD-10799](#)⁵] - New function for displaying an evaluation box in the calendar header to show various statistics for a defined period.
- [[WD-20512](#)⁶] - Improved support for vacation requests, including direct visualization of the vacation calculation.
- [[WD-19070](#)⁷] - Extension of the backend structure to support multiple employments per person.
- [[WD-19072](#)⁸] - Extension of the absence client for editing multiple employments of a person.
- [[WD-19071](#)⁹] - Extension of the correction client for selecting and editing different employments.
- [[WD-12222](#)¹⁰] - New version of the dashboard with more functionality.
- [[WD-19813](#)¹¹] - Optimization of the user interface by integrating a persistent chatbot assistant as a side panel for context-sensitive support.

Project Time Tracking

- [[WD-19997](#)¹²] - New REST endpoint for the upcoming function for synchronizing offline project time bookings to catch up on recorded times.

Travel Expense Tracking

- [[WD-19304](#)¹³] - New configuration option for hiding the "Receipts" tab in travel requests.

HR Expert

- [[WD-19295](#)¹⁴] - New function for displaying anniversaries in 5-year steps as well as birthdays in a new dashboard dashlet in the HRX module.

Login / Logout

- [[WD-18889](#)¹⁵] - New function for customizing the login screen with current branding, product name, logo, and optimized usability, including on mobile devices.

Improvements

Time & Attendance

- [WD-20541¹⁶] - Performance optimization when reloading account values in the correction client after a recalculation.
- [WD-20522¹⁷] - Optimization of the updating of time tracking fields through targeted partial writes.
- [WD-20296¹⁸] - Extension of the booking import function of the correction client to support the import of absences.
- [WD-20127¹⁹] - Optimization of processing by consolidating data queries for time tracking.
- [WD-19309²⁰] - Optimization of the user interface for better use of space in translations of time tracking fields.
- [WD-19083²¹] - Improvement of mobile usability in the approval process for journal bookings.
- [WD-18900²²] - New function for quickly creating TV time entry reasons based on universal time entry reasons.
- [WD-18899²³] - Extension of the user interface with quick creation of TV accounts based on universal accounts.
- [WD-18623²⁴] - Enables linking universal daily permissions with permissions of the time evaluation system.
- [WD-18620²⁵] - Extension of the universal accounts with the assignment to accounts of the time evaluation system.
- [WD-18619²⁶] - Added mapping of universal booking reasons to booking reasons of the time evaluation system.
- [WD-13716²⁷] - Adjustment of the separators used in processes for account values according to the time setting.

Project Time Tracking

- [WD-20042²⁸] - Improvement of the display of project times by showing the full activity name on mouse hover.
- [WD-19920²⁹] - Improvement of usability by pinning the header row in the monthly view of project time tracking while scrolling.
- [WD-19759³⁰] - Improvement of the mobile view for project times by displaying a billing notice.
- [WD-19195³¹] - Improvement of the chronological sorting in project time reports for better clarity.
- [WD-18935³²] - Improved display in favorites management to show why a project can no longer be booked to.
- [WD-18825³³] - Display of clear information when no bookable projects are available, to avoid misunderstandings.
- [WD-17693³⁴] - Optimization of time tracking by displaying preliminary totals for attendance and effort for the current day and month.

Travel Expense Tracking

- [WD-19600³⁵] - Improvement of the labeling in the panel for daily deductions in travel expenses for better understandability.
- [WD-19596³⁶] - Adjustment of the table headings and selection fields for daily deductions for trips for better readability.

- [[WD-19594](#)³⁷] - Adjustment of the date format in the table for daily deductions for trips to 'weekday short form DD.MM.'.
- [[WD-19185](#)³⁸] - Optimization of the user interface of the overview table for travel expenses for better readability.
- [[WD-18942](#)³⁹] - Optimization of the display of the travel expense table on mobile devices by removing an unnecessary border in the form tab.

HR Expert

- [[WD-20869](#)⁴⁰] - Optimization of the display of evaluation titles in HRX so that only dates without times are shown.
- [[WD-20547](#)⁴¹] - Improvement of the usability of the search bar for educational institutions in HRX.
- [[WD-19768](#)⁴²] - Improvement whereby the GW cache is cleared automatically when a person's email address is changed, to ensure correct calendar information.
- [[WD-19150](#)⁴³] - Improvement of user feedback for unauthorized access in the HRX module through understandable messages instead of technical error messages.
- [[WD-17993](#)⁴⁴] - Improvement of the restoration of persons in the HR Expert module to ensure complete and correct person data.

Reporting

- [[WD-12409](#)⁴⁵] - Improvement of the usability of report parameters by switching to checkbox groups with multiple selection.

User Settings

- [[WD-18155](#)⁴⁶] - Improvement of the user interface for bank account settings in the user configuration.
- [[WD-13229](#)⁴⁷] - Improvement of usability by remembering the most recently selected client in the menu tree.

Administration

- [[WD-20571](#)⁴⁸] - Improvement of the search and sorting of the version column in the PoFile overview to make it easier to find the latest version.
- [[WD-19130](#)⁴⁹] - Extension of the process definition list with a search function for clients.

Permissions

- [[WD-20507](#)⁵⁰] - Optimization of the selection of approvers in access zones by excluding inactive users.
- [[WD-18937](#)⁵¹] - Improvement of role management by ensuring the uniqueness of certain role combinations with user-friendly validation.
- [[WD-17442](#)⁵²] - Improvement of permission management by detecting and preventing infinite loops in group relationships.

Interfaces

- [[WD-18562](#)⁵³] - Improvement of the ExecuteAndStoreReports job so that files can also be stored on an SFTP server.
- [[WD-18409](#)⁵⁴] - New option for faster data transfer that allows target tables to be emptied before the data is inserted.

- [[WD-17711](#)⁵⁵] - Improvement of the interface to support UTF-8 files with BOM in the SeperatorFileConnector.
- [[WD-12420](#)⁵⁶] - Optimization of the user interface for configuring external APIs with helpful hints and presets.
- [[WD-12400](#)⁵⁷] - Simplification of OAuth access token management by removing redundant expiration data.

Kiosk

- [[WD-19991](#)⁵⁸] - Optimization of the kiosk project list by introducing page navigation and a warning message to improve performance and usability.
- [[WD-19784](#)⁵⁹] - Optimization of the kiosk editor by moving the project list to a separate tab for a better overview.
- [[WD-19783](#)⁶⁰] - Extension of the kiosk editor by adding a function for quickly assigning all kiosks to a top-level project.
- [[WD-19617](#)⁶¹] - New button for quickly adding all top-level customer projects to a kiosk configuration.
- [[WD-19616](#)⁶²] - Adjustment of the kiosk project selection so that only projects of the assigned customer are displayed.

Performance

- [[WD-19206](#)⁶³] - Optimization of URL determination to improve system performance.
- [[WD-8374](#)⁶⁴] - Improvement of the developer experience through optimized resource caching in development mode.

UI / UX

- [[WD-20403](#)⁶⁵] - Optimization of the annual calendar layout for better use of space and a more appealing month display.
- [[WD-20256](#)⁶⁶] - Improvement of the display of Font Awesome 4 icons for uniform and consistent alignment in the user interface.
- [[WD-19994](#)⁶⁷] - Optimization and standardization of the use of z-index for better control of the layer hierarchy in the user interface.
- [[WD-19992](#)⁶⁸] - Adjustment to remove the outdated classic skin classes to improve the user interface.
- [[WD-19849](#)⁶⁹] - Improvement of the hover colors in the navigation in dark mode for better visibility and usability.
- [[WD-19263](#)⁷⁰] - Optimization of the table view by standardizing text alignment, indentation, and the overall design for better readability.
- [[WD-18887](#)⁷¹] - Improvement of the user interface so that tapping elements on mobile devices no longer causes unwanted text selection.
- [[WD-18724](#)⁷²] - Improvement of the page title component for React actions for better structuring and customization.

Other Improvements

- [[WD-20789](#)⁷³] - Optimization of the frontend build process through support for new technologies for faster compilation.
- [[WD-20688](#)⁷⁴] - Optimization of the TypeScript type-checking process to increase performance and developer productivity.

- [[WD-20637](#)⁷⁵] - Improvement of the reuse of a central object reference to increase efficiency in the application.
- [[WD-20531](#)⁷⁶] - Investigation of an alternative frontend bundling solution to improve build speed.
- [[WD-20528](#)⁷⁷] - Optimization of the frontend builds by using a faster transpiler to reduce build times.
- [[WD-20498](#)⁷⁸] - Refactoring of the test base in preparation for modern test frameworks.
- [[WD-20363](#)⁷⁹] - Improvement of the stability of Maven tests on Java 17 to minimize startup errors.
- [[WD-19963](#)⁸⁰] - Improvement of the Matomo integration by using the current performance measurement method.
- [[WD-19713](#)⁸¹] - Optimization of the test services by replacing handwritten mocks with mockito.
- [[WD-19695](#)⁸²] - Reduction of warning messages at server startup to improve system stability.
- [[WD-19644](#)⁸³] - Update of the Hibernate Search version to improve search functionality.
- [[WD-19643](#)⁸⁴] - Improvement of data serialization for better performance and efficiency.
- [[WD-19635](#)⁸⁵] - Extension of listener support for better integration of Spring dependencies.
- [[WD-19629](#)⁸⁶] - Improvement of the test infrastructure by removing manual mock services and using Mockito mocks.
- [[WD-19572](#)⁸⁷] - Improvement by adding a test for the correct initialization and management of connector components.
- [[WD-19521](#)⁸⁸] - Optimization of the build configuration through improvements to the parent pom.
- [[WD-19519](#)⁸⁹] - Update of the test framework to JUnit 6 with Java 17 as a prerequisite.
- [[WD-19465](#)⁹⁰] - Optimization of the database tests by merging all modules into a faster overall test.
- [[WD-19380](#)⁹¹] - Extension with an administrator function for restoring deleted text modules in the current configurations.
- [[WD-19292](#)⁹²] - Internal restructuring for better use of test classes in different projects.
- [[WD-19291](#)⁹³] - Extension of the data types in form fields for direct use of LocalDate without conversion.
- [[WD-19211](#)⁹⁴] - The audit log function is now enabled by default and no longer requires a system parameter.
- [[WD-19191](#)⁹⁵] - Extension of the log display with an additional filter option by log types.
- [[WD-18936](#)⁹⁶] - Improvement of the user interface in the trash through uniform column widths and an optimized arrangement of label and selection field.
- [[WD-18922](#)⁹⁷] - Extension of the React components with static CSS classes for better customization of design themes.
- [[WD-18712](#)⁹⁸] - Extension of the license management to support the new time evaluation system.
- [[WD-17985](#)⁹⁹] - Optimization of the tests by replacing the PoDataGenerator to improve test execution time.
- [[WD-17984](#)¹⁰⁰] - Optimization of the tests by replacing the PoDataGenerator to improve test execution time.
- [[WD-17957](#)¹⁰¹] - Adjustment of the database management by naming a unique constraint in PoTextModule to avoid duplicates.
- [[WD-17904](#)¹⁰²] - Fix for warning messages in the build process to improve code quality.
- [[WD-17889](#)¹⁰³] - Removal of an outdated component to clean up the code.
- [[WD-17701](#)¹⁰⁴] - Removal of the outdated property for email notification and adjustment of the system accordingly.

- [[WD-17371](#)¹⁰⁵] - Cleanup of the system by removing outdated upgrade scripts and associated tests.
- [[WD-17009](#)¹⁰⁶] - Adjustment to use modern data structures for selection lists to improve data processing.
- [[WD-16237](#)¹⁰⁷] - Improvement of the database structure to avoid duplicate entries in system parameters.
- [[WD-14083](#)¹⁰⁸] - Update of a system dependency to improve security and compatibility with Java 17.
- [[WD-13971](#)¹⁰⁹] - Optimization of the stability of the main test suite for more reliable test execution.

Bug Fixes

Time & Attendance

- [[WD-20855](#)¹¹⁰] - Fix for an issue where saving a particular daily program failed.
- [[WD-20809](#)¹¹¹] - Fix for an issue where actions in the annual calendar disappeared after a right-click on an empty area.
- [[WD-20791](#)¹¹²] - Fix for a display issue where the time correction form is not displayed correctly on mobile devices.
- [[WD-20724](#)¹¹³] - Optimization of the getPersonsData endpoint for GDPR compliance by removing unnecessary sensitive data.
- [[WD-20621](#)¹¹⁴] - Fix for an error that caused an error message when creating a new daily program.
- [[WD-20616](#)¹¹⁵] - Fix for an error where changing the time offset for bookings led to an unexpected reload or incorrect display.
- [[WD-20511](#)¹¹⁶] - Fix for an issue where a loading indicator continued to be displayed after opening the calendar details.
- [[WD-20410](#)¹¹⁷] - Improvement of the display in the mobile correction client by adjusting the day row borders to a subtle separation.
- [[WD-20341](#)¹¹⁸] - Fix for an issue where the summary section in the calendar was displayed empty.
- [[WD-20337](#)¹¹⁹] - Fix for an issue where month navigation in the correction client led to an error.
- [[WD-20263](#)¹²⁰] - Fix for an issue where calendar data was not displayed in the mobile view.
- [[WD-20257](#)¹²¹] - Fix for an error where the attendance button was incorrectly displayed as selected after clocking out.
- [[WD-20226](#)¹²²] - Fix for an issue where dragging a multi-day absence on mobile devices did not work correctly.
- [[WD-20148](#)¹²³] - Fix for an issue in the calculation of the current working time for open intervals in different time zones.
- [[WD-20144](#)¹²⁴] - Fix for an error that prevented clocking in via the booking action while in absence status from working.
- [[WD-19988](#)¹²⁵] - Fix for an issue where no message about persons who have already left was displayed in the mobile correction client.
- [[WD-19977](#)¹²⁶] - Fix for an issue where clicking "Absent" incorrectly set the status to "Present".
- [[WD-19927](#)¹²⁷] - Fix for an issue where the data of the most recently selected person was not loaded automatically in the correction client.
- [[WD-19903](#)¹²⁸] - Correction of the alignment of the button arrangement in the journal on mobile devices.
- [[WD-19856](#)¹²⁹] - Fix for an issue where the displayed working time was lower than the sum of the bookings.

- [[WD-19841](#)¹³⁰] - Fix for an issue where the availability of groupware appointments was not displayed correctly after a server restart.
- [[WD-19392](#)¹³¹] - Fix for an error that caused problems when displaying the journal in the organization overview.

Project Time Tracking

- [[WD-20864](#)¹³²] - Fix for display issues in the mobile editing of project time tracking with an improved layout and adjusted spacing.
- [[WD-20863](#)¹³³] - Fix for layout issues in mobile project time tracking, ensuring uniform alignment and consistent sizes of the input fields.
- [[WD-20630](#)¹³⁴] - Fix for a display error in the table view in the project time tracking module during the loading phase.
- [[WD-20581](#)¹³⁵] - Fix for an issue where project statistics in the project selection were not always updated correctly.
- [[WD-20468](#)¹³⁶] - Fix for an error that caused an error message when switching persons in project time tracking.
- [[WD-20291](#)¹³⁷] - Fix for a display issue where the fixed header row in project time tracking was not adjusted correctly when navigating the menu expansion.
- [[WD-20201](#)¹³⁸] - Fix for a display error where project images were displayed too far to the right.
- [[WD-20166](#)¹³⁹] - Fix for a display issue where project time entries for weekend days and the current day were missing in the mobile view.
- [[WD-20130](#)¹⁴⁰] - Fix for a display error in the column width in project time tracking.
- [[WD-20089](#)¹⁴¹] - Fix for a display error in the border in project time tracking.
- [[WD-19947](#)¹⁴²] - Fix for an issue where the project tracking view was not refreshed immediately when switching persons.
- [[WD-19946](#)¹⁴³] - Fix for an issue where the person selection area in project time tracking could remain empty after loading from the cache.
- [[WD-19939](#)¹⁴⁴] - Fix for an error that caused an error message when saving project changes.
- [[WD-19668](#)¹⁴⁵] - Fix for an error in the project selection window in the list view.
- [[WD-19661](#)¹⁴⁶] - Fix for an issue where some project time bookings could not be edited or deleted.
- [[WD-19560](#)¹⁴⁷] - Fix for display errors in filter and search functions in the project time tracking table.
- [[WD-19554](#)¹⁴⁸] - Fix for a display issue with overlapping text in the table for project times.
- [[WD-19506](#)¹⁴⁹] - Fix for an issue where values in report fields for project time tracking were not localized correctly.
- [[WD-19505](#)¹⁵⁰] - Fix for an error where project time tracking reports showed incorrect values in attendance and difference columns.

Travel Expense Tracking

- [[WD-20612](#)¹⁵¹] - Fix for a display issue in the mobile dialog for location selection in the travel expense process.
- [[WD-20565](#)¹⁵²] - Fix for an issue on mobile devices where certain areas in travel expense tracking could not be opened.
- [[WD-20564](#)¹⁵³] - Fix for line break issues in the mobile display of the daily allowance table on very narrow screens.

- [[WD-20545](#)¹⁵⁴] - Fix for an issue where the creation of a database schema on MySQL failed due to size restrictions.
- [[WD-20165](#)¹⁵⁵] - Fix for an error when creating new travel folders in the travel request module.
- [[WD-19868](#)¹⁵⁶] - Fix for an error where an incorrect start date was used when adding a trip leg after a private stay.
- [[WD-19850](#)¹⁵⁷] - Fix for an error when opening and switching tabs in old travel expense reports.
- [[WD-19846](#)¹⁵⁸] - Fix for an error in the calculation of travel expense allowances in connection with role and permission assignments.
- [[WD-19670](#)¹⁵⁹] - Fix for a display issue in the summary in the My Trips area in dark mode.
- [[WD-19529](#)¹⁶⁰] - Improvement of the display of non-editable fields in the travel expense form for clearer user guidance.
- [[WD-19419](#)¹⁶¹] - Fix for alignment issues in the user interface for the travel expense output to file.
- [[WD-19225](#)¹⁶²] - Fix for an issue where the printout of the travel folder was not formatted correctly.

HR Expert

- [[WD-20886](#)¹⁶³] - Fix for an issue where client-assigned HRX-TA fields were not taken into account during synchronization.
- [[WD-20878](#)¹⁶⁴] - Fix for an error that caused an error message when saving invalid cost center configurations.
- [[WD-20871](#)¹⁶⁵] - Fix for an issue where saving new probation period evaluations in the development overview failed.
- [[WD-20804](#)¹⁶⁶] - Fix for an error in the probation period evaluation process, ensuring correct forwarding only after the evaluation is completed.
- [[WD-20361](#)¹⁶⁷] - Fix for an issue where deleting persons with inconsistent employment data resulted in an error message.
- [[WD-19776](#)¹⁶⁸] - Fix for an issue where opening a person in the HRX module failed in certain cases.
- [[WD-10470](#)¹⁶⁹] - Fix for an issue where an error message was missing when uploading images in an unsupported format.

User Settings

- [[WD-20888](#)¹⁷⁰] - Fix for an issue that prevented setting a custom time zone in the user settings.
- [[WD-19816](#)¹⁷¹] - Fix for an issue where opening the user settings resulted in an error message.

Administration

- [[WD-19749](#)¹⁷²] - Fix for an issue where newly added group memberships could not be deleted on the same day.
- [[WD-19134](#)¹⁷³] - Fix for an error where no values were displayed in the client column in system messages.

Permissions

- [[WD-20509](#)¹⁷⁴] - Fix for an issue where inactive users were displayed when granting personal permissions.
- [[WD-20311](#)¹⁷⁵] - Fix for an issue when changing the validity date in the action configuration of the permissions.

Performance

- [[WD-20748](#)¹⁷⁶] - Optimization of the load time of the inspector in the annual calendar for faster response.
- [[WD-19044](#)¹⁷⁷] - Fix for an issue that leads to extended application startup times and impairs efficiency.

UI / UX

- [[WD-20501](#)¹⁷⁸] - An additional confirmation dialog for external participants was introduced in the Event Assistant.
- [[WD-20503](#)¹⁷⁹] - Adjustment of the logo and user interface in the Event Assistant according to new specifications.
- [[WD-20760](#)¹⁸⁰] - Improvement of the vertical calendar display for a better overview without scrolling.
- [[WD-20759](#)¹⁸¹] - Fix for a display issue where weeks were displayed twice in the annual calendar when changing the year.
- [[WD-20604](#)¹⁸²] - Fix for a display issue on the welcome page on desktops after a Bootstrap update.
- [[WD-20425](#)¹⁸³] - Adjustment of the placeholder text color in multi-value selection fields for better visibility.
- [[WD-20367](#)¹⁸⁴] - Adjustment of the user interface so that the user menu appears above the display of open tasks.
- [[WD-20355](#)¹⁸⁵] - Correction of the layout of mobile notifications, in particular the position and display of the close icon.
- [[WD-20255](#)¹⁸⁶] - Fix for a CSS issue where styles of the new theme unintentionally affected older theme layouts.
- [[WD-20162](#)¹⁸⁷] - Fix for a display issue on mobile devices when switching the user view to desktop mode.
- [[WD-20143](#)¹⁸⁸] - Correction of a display error that affects the favorites panel when scrolling in project time tracking.
- [[WD-20134](#)¹⁸⁹] - Correction of a display error in the mobile menu where header icons overlapped the open menu.
- [[WD-19980](#)¹⁹⁰] - Fix for a display error where export buttons in JournalV2 were incorrectly displayed at a screen size of 592 pixels.
- [[WD-19854](#)¹⁹¹] - Fix for an issue where negative balance values in dark mode had too little contrast and were hard to recognize.
- [[WD-19700](#)¹⁹²] - Fix for alignment and spacing issues with icons and labels in the side menu to improve the user interface.
- [[WD-19503](#)¹⁹³] - Fix for a UI issue where an unused filter field was visible in the report table.
- [[WD-19384](#)¹⁹⁴] - Improvement of the display and alignment of the table headings in My Personnel File for better readability.
- [[WD-19181](#)¹⁹⁵] - Fix for a display issue of the tooltip above the pagination area.
- [[WD-19153](#)¹⁹⁶] - Fix for a display issue that made the text in the annual calendar almost invisible.
- [[WD-19046](#)¹⁹⁷] - Fix for a display error of the environment bar in the header for a better overview.
- [[WD-20339](#)¹⁹⁸] - Fix for an issue where the normal browser context menu could no longer be opened after certain actions.

Other Bug Fixes

- [[WD-20620](#)¹⁹⁹] - Fix for an issue when removing the client binding of a single key-value entry.
- [[WD-20360](#)²⁰⁰] - Fix for a display issue where the table header bar covered the page area in the correction client.
- [[WD-20316](#)²⁰¹] - Fix for an issue where scrolling remained disabled after closing certain dialogs.
- [[WD-20138](#)²⁰²] - Fix for display issues in older JournalApproval reports due to missing compatibility in template versions.
- [[WD-19945](#)²⁰³] - Fix for an issue that prevented a migration job from running with certain configurations.
- [[WD-19848](#)²⁰⁴] - Fix for an issue when updating the server with schema names containing special characters, which blocked updates.
- [[WD-19819](#)²⁰⁵] - Fix for an issue where the server could no longer be started after switching to Java 17.
- [[WD-19745](#)²⁰⁶] - Fix for an issue with the registration of a system parameter to improve system stability.
- [[WD-19630](#)²⁰⁷] - Fix for an error where the default value for label-path was missing in selection lists.
- [[WD-19566](#)²⁰⁸] - Fix for an error where a background image on the welcome page could not be loaded.
- [[WD-19400](#)²⁰⁹] - Fix for an issue where translations in an administration file were not loaded correctly.
- [[WD-19399](#)²¹⁰] - Fix for an issue that prevented the server from starting because an existing index configuration prevented a unique constraint from being applied.
- [[WD-18255](#)²¹¹] - Fix for an issue by removing an outdated component reference to improve stability.
- [[WD-18097](#)²¹²] - Fix for an issue by adding a unique constraint to prevent multiple entries with the same name.

Miscellaneous

- [[WD-20884](#)²¹³] - Fix for an issue where error messages could occasionally occur in connection with custom fields.
- [[WD-20885](#)²¹⁴] - The display of contract types for system administrators is now available directly in the menu under HR Administration.
- [[WD-20561](#)²¹⁵] - Reduction of unnecessary log entries during system startup by adjusting the logging.
- [[WD-20484](#)²¹⁶] - Adjustment of the loading status in HR Expert by using the same loading indicator as in Webdesk.
- [[WD-20455](#)²¹⁷] - Raising of the frontend JavaScript baseline to ES2018 to support current libraries and compatibility.
- [[WD-20324](#)²¹⁸] - Optimization of the serializability of all cached entities for stability of the cache display.
- [[WD-20274](#)²¹⁹] - Adjustment of the JavaScript console to support additional script engines.
- [[WD-20273](#)²²⁰] - Adjustment of a custom JavaScript job to allow selection of different script engines.
- [[WD-20272](#)²²¹] - Adjustment of the PoScriptingService to use Nashorn by default and to optionally enable GraalJS.
- [[WD-19766](#)²²²] - Adjustment of the Maven build to support Java 17 as the baseline.
- [[WD-19586](#)²²³] - Technical upgrade of the Spring component to version 5.3.
- [[WD-19218](#)²²⁴] - Adjustment of the cache component to improve support for Hibernate 6.
- [[WD-19142](#)²²⁵] - Update of the Bootstrap library to version 5.3 to improve security and stability.

- [WD-18781²²⁶] - Added a new user interface for managing daily programs in the time model.
- [WD-18780²²⁷] - Added a new user interface for managing weekly programs with assignment of daily programs and persons.
- [WD-18779²²⁸] - Added a new user interface for managing rules in the time model.
- [WD-17713²²⁹] - Update of the Node version to long-term support version 20 to improve support and security.
- [WD-11977²³⁰] - Optimization of the build processes for the WebSDK for better organization and provision of development and production files.
- [WD-8507²³¹] - Adjustment of the resource structure for better management of the responsive skins and cleanup of the CSS files.

1. <https://extranet.workflow.at/jira/browse/WD-20235>
2. <https://extranet.workflow.at/jira/browse/WD-19995>
3. <https://extranet.workflow.at/jira/browse/WD-19902>
4. <https://extranet.workflow.at/jira/browse/WD-19397>
5. <https://extranet.workflow.at/jira/browse/WD-10799>
6. <https://extranet.workflow.at/jira/browse/WD-20512>
7. <https://extranet.workflow.at/jira/browse/WD-19070>
8. <https://extranet.workflow.at/jira/browse/WD-19072>
9. <https://extranet.workflow.at/jira/browse/WD-19071>
10. <https://extranet.workflow.at/jira/browse/WD-12222>
11. <https://extranet.workflow.at/jira/browse/WD-19813>
12. <https://extranet.workflow.at/jira/browse/WD-19997>
13. <https://extranet.workflow.at/jira/browse/WD-19304>
14. <https://extranet.workflow.at/jira/browse/WD-19295>
15. <https://extranet.workflow.at/jira/browse/WD-18889>
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