

Compliance Now

Release Notes
ComplianceNow Suite
Version 5.2.12
2024-09-26

Version 5.2.12

Issue key	Issue Type	Component	Summary / Description
APM-3267	Improvement	AC	Improved logging during upload
APM-3309 APM-3112	New Feature	CN Suite	URT collects information about reference users.
APM-3333	Bug	PAM	Transaction PAM_AUDIT now uses correct layout.
APM-3335 APM-3359	Bug	PAM	Transaction PAM_ADMIN now leads to the correct page.
APM-3367	New Feature	IC	Link AC risks can now produce a report, that is attached to the control.
APM-3372 APM-3416	Improvement	CN Suite	Kick start and Kill task now has improved functionality, and more details are shown in the background task dialog.
APM-3373	Improvement	APM	if the project page cannot check authorizations, it will now remove the loading sign from page and display an error message.
APM-3375	New Feature	UM	Dashboard showing SAP Star distribution of roles.
APM-3374	Bug	APM	Role search now includes roles without an English description.
APM-3371 APM-3388 APM-3389 APM-3433	Bug	APM	System landscape page now updates list of available systems and RFC connections.
APM-3377	Bug	CNS	Java logs no longer show execution time an hour ahead
APM-3378 APM-3381	New Feature	UM	Dashboard showing SAP Star distribution of users.
APM-3379	New Feature	UM	History for Dashboard showing SAP Star distribution of roles and users.
APM-3380	Improvement	CN Suite	Handling of creation an update of stored procedures with regards to DB updates.
APM-3384 APM-3397 APM-3398 APM-3399 APM-3400 APM-3402 APM-3404	New Feature	AC	Risk now operates with a signature ID that can be used across systems and clients.
APM-3382	Improvement	CN Suite	Reduced soon to be deprecated methods that fills the log files with warnings.
APM-3383	Improvement	AC	Organizational level analysis can now handle multiple levels within the same object, and executes faster through a pre-analysis on whether object is even relevant for the risk.
APM-3385	Improvement	AC	Settings page for org level analysis now contains a warning about quantity.
APM-3387	Bug	UM	Confusion on whether the word report is spelled with a capitol R resolved. The inconsistency would result in the reports were not available on Linux systems.
APM-3393 APM-3396	New Feature	AC	Reports can now display organizational levels relevant for the risk if any.
APM-3394	Bug	CN Suite	Reports no longer crashes if there are less than 20 entries in the source data.
APM-3395	Improvement	CN Suite	Before starting a java background job, RAM is now determined by what is available free memory on the server instead of by usage of either PHP or Java.
APM-3405	New Feature	AC	Reports selections now include which organizational levels to include.
APM-3406	New Feature	IC	Control templates now uses the new cross client signature IDs when linking AC risks.
APM-3407	New Feature	UM	SAP Star report now available.
APM-3414 APM-3421	Improvement	AC	Critical role risks have been merged into SoD roles as one-sided risks.
APM-3415	New feature	AC	All risk types can now be uploaded.
APM-3418	Bug	AC	A non-approver with access to ACAPPROVE can no longer see all workflow requests.
APM-3429	Improvement	IC	An extra level of criticality has been added.
APM-3430	Improvement	UM	Reports show zero instead of a blank field when no data is available e.g. role has no tcodes.
APM-3417	Bug	AC	Improved logical system determination for users during preventive check from CUA systems.
APM-3419	Bug	AC	Pending request view now show the request it is supposed to.

APM-3420	Bug	AC	All tables relevant for preventive check should now be created without any missing columns.
APM-3424	Bug	AC	Scheduled reports are now sent out by Email.
APM-3425	Bug	AC	Dashboard, roles not in compliance, now shows roles not in compliance, and not the number of roles analyzed.
APM-3426	Bug	UM	Reports now support Turkish language.
APM-3427	Bug	AC	Preventive analysis will now find all results when roles on different clients with the same name, are assigned simultaneously.
APM-3428	Bug	AC	Multi approver risk workflows now store emails in a consistent format.
APM-3431	Improvement	CN Suite	PDF output in Unicode to better support a variety of languages.
APM-3432	Bug	AC	When starting a multi-user workflow via SU10, all users are now included.
APM-3310 APM-3311 APM-3312 APM-3313	Improvement	CN Suite	Translation updates across applications for the targeted languages.
APM-3338	Bug	PAM	Mails sent to auditor/owner no longer contain visible passwords.
APM-3342	Bug	PWR	Object transport version issue solved.
APM-3408	Bug	PAM	EM_AUDIT overview layout, a missing filter has been implemented.
APM-3409	Improvement	AC	Upload of activities now continues when encountering non-existing tcodes and objects.
APM-3370	Bug	PAM	RBE optimization.
APM-3306	Installation	PAM	Transported text elements for DA / DE / EN.
APM-3410 APM-3411 APM-3412 APM-3413	Improvement	CNS	Translations updated for all languages EN / DA / DE / FR / TR.
APM-3390 APM-3391	Improvement	APM	In SU53 and the equivalent Fiori app authorization errors from all application servers are now shown at once.
APM-3434	Bug	CNS	URT RESET now also reset the transferred property on um_role_auth, which is especially relevant for UM reports. As UM otherwise may think the roles are empty after a reset.
APM-3435	New Feature	CNS	/APPLISOL/LOGS now have options for how old logs should be when downloading.
APM-3436	New Feature	AC	Workflows started from Legacy Approval can now be approved or rejected in bulk, if the approver has been granted that functionality.
APM-3486	Improvement	AC	Preventive check – Improved log user action for preventive check log.
APM-3386	Bugs/Improvements	CNS	Backend optimizing and various minor bugs and improvements.
APM-3468	Bug	AC	Workflow approval no longer shows legacy risks as new access risks
APM-3464	Bug	AC	About page no longer shows wrong status on "Legacy Analysis"
APM-3461	Bug	UM	Reports, Role selections no longer fails when SAP STAR category is not on
APM-3455	Improvement	CNS	Index page (connection test from SM59) now contains more information
APM-3453	Bug	AC	Report engine no longer removes auth objects when \$ is in values in non org levels
APM-3451	Improvement	AC	Workflow status reintroduced in the pending workflows screen

Version 5.2.11

Issue key	Issue Type	Component	Summary / Description
APM-3283	Improvement	EUA	Missing translations added
APM-3321 APM-3341	Bug	ABAP add-on	SAP GUI + Edge browser causes events to be sent in lower case causing dumps
APM-3317	Improvement	PAM	Missing translations added
APM-3319	New Feature	AC	AC, include reference users in report and legacy user analysis
APM-3326	Improvement	AC	Notification e-mail content and formatting made in Java
APM-3328	Improvement	AC	Upload risk library moved to Settings
APM-3330	Improvement	AC	User type selection added to Dashboard analysis
APM-3331	Improvement	AC	Auto start of workflows implemented to the new Java dashboard/legacy engine
APM-3337	Bug	PAM	Short dump MODIFY_RFC Parameter when logging on with emergency user
APM-3339	Improvement	AC	Dashboard Role compliance should not show zero for current date
APM-3343	Bug	AC	Require documentation in Violation screen not working
APM-3345	Improvement	AC	Violation screen should not show existing risks as new – even if there are new reasons
APM-3311	New Feature	AC	Organizational Levels considered in reports, legacy analysis and dashboard. This is to avoid false positives due to different organizational levels. Analysis will potentially grow exponentially with each organizational field added. This can significantly influence performance.
APM-3327	Bug	UM/AC	Transfer of Fiori data does not save data in CN DB
APM-3325	New Feature	UM	Upload SAP Star document
APM-3329	Bug	ABAP add-on	Source system for ABAP objects is SAP and should be changed to the actual system
APM-3340	Improvement	UM	Report "Role Usage Match" conversion to Java
APM-3347	Improvement	CN Suite	About page fills log with exceptions if webserver has no internet connection
APM-3348	Improvement	AC	GUI for selecting relevant Organizational Levels for reports, legacy analysis and dashboard
APM-3349	New Feature	AC	Simulate role combinations without user in ACSIM
APM-3350	Bug	AC	Simulation, newly updated Composite roles, are not updated on the users
APM-3353	New Feature	AC	AC, report Selections should include Org Level settings
APM-3354	Bug	AC	AC upload, translation class failing when origin is NULL
APM-3360	New Feature	UM	Role Journal, SAP star license now visible in GUI.
APM-3357	Improvement	CN Suite	Reports GUI consistency. The three report screens look more alike.
APM-3357	Bug	UM	All role based reports show "last usage" as last time the role was used by anyone.

Version 5.2.10

Issue key	Issue Type	Component	Summary / Description
APM-3149	Improvement	ABAP add-on	A maintenance view has been created for table /APPLISOL/APMDST, allowing for easier maintenance of data in this table.
APM-2653	Bug	AC	Addressed a limitation in the "manage func." screen where the 'S_tcode' variable, capped at 20 characters, caused truncation of service names and '/USOBHASH' values. The latest update extends the variable's capacity in newer SAP releases, enabling full display of 'S_Tcode' names exceeding 20 characters."
APM-3244	Improvement	AC	Changes to risks made via uploads is reflected in the Ruleset Log
APM-3312	Improvement	AC	Conducted a thorough check of all pages and dialog boxes to ensure all texts are correctly translated and displayed in Danish.
APM-3280	Bug	AC	Corrected issue with inaccurate output regarding group name in report
APM-3289	Bug	AC	Fixed an issue where preventive checks failed in certain CUA environments. The function is now fully operational in CUA settings
APM-3273	Improvement	AC	Harmonization Update: Renamed Headline 'Warning' column to 'System Reaction' in the Legacy Approval for uniformity with SoD Func, Critical Tcodes, SoD Roles, and Critical Roles sections.
APM-3274	Improvement	AC	Report selection attributes compiled in Java 17.0.2
APM-3320	Bug	AC	Resolved an issue in the preventive check log, enabling the creation of 'Summary only' or 'Details' reports
APM-3308	Bug	AC	Resolved an issue where violations weren't saved if causes exceeded 16MB in size. Memory capacity has been increased to address this.
APM-3248	Bug	AC	Resolved infinite loop issue when creating functions without existing groups.
APM-3266	Improvement	AC	Test' button in the report tab is removed as the test function is obsolete.
APM-3276	Improvement	AC	Update in AC Reports: Added 'role descriptions' as a selectable attribute for report creation.
APM-3316	New Feature	AC	Update in AC Reports: 'Role Assignments' now added as a selectable attribute for enhanced report customization.
APM-3203	New Feature	AC	Upload of AC risks/functionalities are logged in the Ruleset Log
APM-3287	Bug	APM	Authorisations for this functionality has been implemented. Detailed description is updated in the APM configuration guide
APM-3271	Improvement	APM	New report has been developed and is available in the report tab. This report is very useful in case APM is setup in a production environment e.g., when used for general authorization issue reporting as substitute for SU53
APM-3089	Improvement	APM	Report has been extended and is displaying all comments on a issue. Makes the issue reports more detailed and useful
APM-3243	Improvement	APM	This code has been improved in the functionality and in performance when the selection criteria result in an reports with large amount for data has to be loaded
APM-2697	Improvement	APM	This feature has been improved in the functionality and in performance when the selection criteria result in an large amount for data to be loaded
APM-3310	New Feature	ComplianceNow Suite	Enabled wildcard functionality for fields such as Tcodes, Users, and Roles. For example, setting Roles to 'Z*' will include all roles starting with 'Z' in the report. Similarly, if user field is set to 'ABC, T*, Z*', the report will encompass user 'ABC' and all users beginning with 'T' and 'Z'.
APM-3278	Improvement	ComplianceNow Suite	New Feature in AC and UM Reports: Implemented a parameter in 'apm.ini' to manage the maximum CSV file size, allowing limits up to 80GB. By default, if this parameter is not configured, the maximum size is set to 2GB
APM-3264	Improvement	ComplianceNow Suite	Standardized Dashboard report naming to exclude special characters, ensuring consistency and eliminating unusual signs in names.
APM-3286	Bug	ComplianceNow Suite	An issue where the start of Java background jobs failed, has been corrected
APM-3284	Improvement	ComplianceNow Suite	An improved method of controlling java background jobs in case of cancellation, failed jobs and memory control
APM-3242	Improvement	ComplianceNow Suite	Version update of code to 5.2.10
APM-3239	Improvement	ComplianceNow Suite	Various minor corrections
APM-3301	Bug	EUA	A correction where a report name was incorrect, caused error notification in ABAP code qualification
APM-3318	Bug	EUA	An issue was solved where the audit report was not activated. This fix now opens the audit report correctly.
APM-3250	Bug	EUA	Correction to various German translations
APM-1594	Bug	EUA	Authorization checks performed at logon have been changed.

Issue key	Issue Type	Component	Summary / Description
APM-3279	Improvement	IC	Enhanced Control documentation by adding the AC Risk name and Unique AC Risk ID to the PDF download.
APM-3292	Improvement	IC	Enhanced the "Dashboard" tab in Internal Control to display the referenced AC risk name and ID for overdue controls
APM-3314	Improvement	IC	Fixed all translation errors in Danish across dialog boxes.
APM-3322	Bug	IC	Fixed an issue on the Dashboard where downloading report file was not possible.
APM-3277	Bug	IC	Fixed an issue where the "Overdue Check" continuously loaded on the "Dashboard" when there was no data available.
APM-3253	Improvement	IC	Removed the control date field from the download file to avoid confusion, as controls involve multiple dates. This change follows the decision to not specify whether the date should reflect the control's creation or its association with the Enterprise Risk.
APM-3247	Support	IC	Renamed the database table 'ic_settings' to 'settings_ic' and updated all related code references for consistency across programs
APM-3236	Improvement	IC	Updated the color scheme in PDF Documentation and Definition documents from orange to green for consistent branding.
APM-3315	Improvement	UM	Danish language translation has been implemented
APM-3260	Improvement	UM	It is now possible to select to have your UM report formatted as a CSV file. This allows the report to contain more than the approx. 1 million lines that Excel allows.
APM-3259	Improvement	UM	The "Expanded Usage" report has become obsolete. Now the expanded data is a natural part of the "Only Usage" report.
APM-3240	Improvement	UM	The reporting engine has been converted to use Java. This will optimize the performance and speed of the report execution.
APM-3256	Improvement	UM	Using instructions from a mail TJA sent me. Added the communication in the case.

Version 5.2.9

Issue key	Issue Type	Component	Summary / Description
APM-3071	New Feature	AC	AC Audit, preventive checklog search
APM-3073	New Feature	AC	AC Audit, ruleset log search
APM-3177 APM-2932	Improvement	AC	Database optimization
APM-3183	Improvement	AC	AC, prev check log download. When data requires a lot of joins and details, the process of creating the document take more time than what is available within a timeout from the GUI.
APM-3188	Bug	AC	AC: CUA preventive check update users fails in assigning roles in excluded system
APM-3194	Bug	AC	AC, dashboard calc, top 20 prepared statement fails
APM-3193	Bug	AC	AC creation of approvers fails
APM-3202	Bug	AC	AC, upload, Uploading in German cuts off text entries
APM-3212	Bug	AC	AC, risk mitigation being null makes dashboard calc crash
APM-3224	Bug	AC	AC Queued emails become stuck if email cannot be sent due to sender email being blocked
APM-3216	Bug	AC	AC simulation does not display roles assigned to user correctly.
APM-3138	Improvement	AC, UM - ABAP	System/client specific table locks for URT transfer. We will continue to monitor this issue.
APM-3229	Bug	AC, UM	UM/AC - URT user updates misinterpret client number - discards preceding zeroes
APM-3078	Bug	APM	APM ATT - User administration is updating data in 'Users' area.
APM-3056	Bug	APM	APM, Sync Roles and Search Roles in role management. Sometimes roles are removed from users even if they are present on the system.
APM-1691 APM-1627 APM-3185 APM-3186	New Feature	APM	Project-level TC restrictions in APM. Ability to configure TC restrictions at project level in addition to the current restrictions at Global and Client-Specific level. New GUI implemented.
APM-1925	Bug	APM	APM new - Cross client user creation without RFC connections. Project management is no longer possible if no valid RFC connection exists.
APM-2630	Improvement	APM	APM, Role analysis when issue is selected in the APM-Issue-List. Role analysis is no longer performed automatically, but by request.
APM-2024	Improvement	APM	APM - Possible to create several WT on the same issue.
APM-2083	Bug	APM	APM - AUT.GROUP (ZAPM_PR does not work) on Project tab.
APM-2839	Bug	APM	Hidden objects in APM projects use UM data for validation. If a customer only has APM, and therefore the URT collector is not used, then it is not possible to add auth. objects to the "hidden objects" field in the apm project.
APM-3175	New Feature	APM	APM - AUT.GROUP (ZAPM_PR does not work) on Project tab (ACTVT)
APM-3053	Bug	APM	APM; Projects - Advanced search. Seems like the advanced do not work as intended.
APM-3065	Bug	APM	APM Manage remote logon - Suppress message 0 connections changed. It is no longer possible to update connections without a selection.
APM-2860	Improvement	APM	APM, SU53, Message "Auth error have been hidden" should not be a popup message that requires the user to click "OK".
APM-3210	Improvement	APM	APM, Reports, Project - Issue details. Expand the Issue Details report to fields and values from the issues.
APM-3178	Improvement	ComplianceNow Suite	About page blog content is now provided by RSS feed.
APM-3206	New Feature	ComplianceNow Suite	CNS, about page, FAQ link.
APM-3184	New Feature	ComplianceNow Suite	CN SUITE: About page - information about newest release version availability.

Issue key	Issue Type	Component	Summary / Description
APM-3173	Bug	ComplianceNow Suite	Tcode /APPLISOL/LOGS & /APPLISOL/PMERRLOG only works with AC license.
APM-3217	Bug	ComplianceNow Suite	CNS, Excel only has autofilter on the first column.
APM-3225	Bug	EUA	EUA Error in Audit status filtering.
APM-3150	Improvement	IC	IC, Upload, title length expansion.
APM-3147	Bug	IC	IC, Upload, Uppercase requirement when defining "frequency".
APM-3152	Bug	IC	IC: Control Template, Folder description missing on right side view.
APM-3160	Bug	IC	IC: Due before filter in control archive not working.
APM-3139	Improvement	IC	IC Derived control PDF show Executer, App or CM
APM-2852	Improvement	IC	IC - Dashboard/Report Findings per area or Group. Implemented per Group.
APM-3154	Improvement	IC	IC: Control Template, Possibility to save a control as draft. Templates no longer needs all mandatory fields filled in to save.
APM-3156	Bug	IC	IC: Settings, Wrong message when no email is available.
APM-3158	Bug	IC	IC: Control Template, when edit is saved on a derived template, an active control becomes inactive.
APM-3162	Improvement	IC	IC: Approver/ Compliance manager needs a better way of reading executer's documentation.
APM-3167 APM-3205	Improvement	IC	IC: Dashboard, Need for dashboard for findings which are under investigation. Expanded findings dashboard with more details.
APM-3168	Improvement	IC	IC: Dashboard, High level dashboard showing the status of all enterprise risks combined into one dashboard.
APM-3179	Improvement	IC	IC: Cockpit transactions: possibility to view quick guides within the individual workspaces.
APM-3197	Bug	IC	IC – Settings, Approvers - Shows "no email", but e-mail is defined in SU01.
APM-3208 APM-3209	New Feature	IC	IC, link a control to an AC risk
APM-3219	Improvement	IC	IC – Template Id number should be shown in Enterprise Risks
APM-3221	Bug	IC	IC - Enterprise Risk - Associate control - Googles does not work. Goggle click will now activate search.
APM-3171	Improvement	IC	IC – Enterprise risk with no active controls assigned - not to be shown on heatmap
APM-3187	Improvement	IC	IC – Improved PDF output.
APM-3199	Bug	UM	UM, dashboard calcs crash if usage has not been collected
APM-3213	Bug	UM	UM, Report, usage report is not showing all data. Entire report has been rebuild and executes not only correctly but also a lot faster.
APM-3226	Bug	UM	UM – Headline in Role Journal is named wrong.
APM-3191	Bug	UM - ABAP	UM historical collector does not save JSON files
APM-3192	Bug	UM - ABAP	UM: Fiori usage table missing data types

Issue key	Issue Type	Component	Summary / Description
APM-3190	Bug	ComplianceNow Suite	<p>AC upload now handles “require documentation” approvers correctly.</p> <p>AC display risk counting error fixed.</p> <p>AC display functionality details responsive speed increase.</p> <p>AC legacy analysis improved in regards to non-mitigated risks.</p> <p>IC group name now included in the dashboard findings Excel file.</p> <p>IC dashboard improved loading times and responsiveness on loading data.</p> <p>UM ETL NULL error fixed.</p> <p>Improved logging on URT jobs.</p> <p>Improved handling of zero dates in backend.</p> <p>Various minor fixes to improve future compatibility with PHP8.x.</p> <p>Various missing translations added.</p> <p>General code and structure optimizations.</p>
APM-3163	Bug	APM	<p>Test user creation dumps in APM. Caused by a mandatory username parameter which is not used by the failing functionality.</p> <p>The fix changes the parameter to optional and ensures test users are created correctly in APM.</p>
APM-3165	Improvement	APM	<p>If tc service is called with timewindow = 0 it should not check auth. object ZCCS.</p>
APM-3082	New Feature	EUA	<p>SU24 settings for EUA are maintained. New roles for EUA.</p>

Version 5.2.8

Issue key	Issue Type	Component	Summary / Description
APM-2886	Improvement	AC	When identifying a risk, and the violation screen is displayed, the transaction codes are displayed in the 'Headline of the Risk, it should only be below the functionalities.
APM-3040	New Feature	AC	New IDM ABAP service is created. This service enables external tools to request a risk analysis from Access Control based on user name and assigned roles in SAP. The returned result will inform the external tool about risks and details of those risks.
APM-3067	Task	ComplianceNow Suite	Various minor updates
APM-3068	New Feature	UM	Fiori dashboard: Most used Fioris past month. A pie chart showing the most used Fiori tiles used in the past month. Once enough data is extracted it is also possible to open up a view of the last years use. The dashboard is shown in the "Authorization Dashboard" tab.
APM-3069	New Feature	UM	New report type: Fiori usage
APM-3070	New Feature	AC	It is possible to schedule reports in Access Control. A report can be selected and a recurrence can be defined for each report. The report will be executed on the defined intervals.
APM-3072	New Feature	AC	Enabling the download of the preventive check log
APM-3074	New Feature	AC	Enabling the download of the ruleset log
APM-3075	New Feature	AC	AC Audit, WF pending, search Possibility to search in pending WF's. Search is possible when displaying all pending workflows, either by using free text search or by filtering on WF status or whether roles are assigned.
APM-3076	New Feature	AC	Download a list of all pending workflows in Access Control to Excel. It is possible to filters the result before determining to download.
APM-3077	Improvement	UM	UM, Report GUI hides various fields when window is minimized
APM-3084	New Feature	AC	Report risk attribute selection now includes groups
APM-3085	Improvement	AC	Dashboard user report not able to create all lines due to running out of memory. Better memory handling implemented.
APM-3086	New Feature	AC	It is possible to turn user and/or role analysis on/off in settings page/tab. The dashboard page will only show dashboards that do not require the turned of analysis.
APM-3087	Bug	AC	Nightly job standard settings not present from start
APM-3088	Task	AC	The service for simulation has been re-written to an RPC service to accommodate the IdM module in SAP.
APM-3091	Bug	AC	There is an error when searching the preventive check log using dates.
APM-3092	New Feature	AC	Add the possibility to search/filter pending workflows by info and/or status
APM-3094	New Feature	IC	Controls should also have criticality Medium and Critical. There are now 4 criticalities for a control to select from: (Low, Medium, High, Critical)
APM-3097	Improvement	EUA	New auditing functionality for Emergency User Access. It is possible to review EUA sessions and mark them either as being "audit pending" or "audit approved". - Transaction /APPLISOL/OVERVIE has been renamed as /APPLISOL/AUDIT - Any audit log entires are permanent and cannot be edited. - Access to audit functionality is governed by EUA authorization objects.
APM-3098	Bug	AC	When the report is a type CSV it runs out of mem and gives a partial result. If the report is type excel it fails and no result is presented.
APM-3099	Bug	AC	It is not possible to sort on the column "Mitigation" in the pending workflows screen
APM-3100	Bug	AC	Upload of risk library activities causes the background job to crash and the activities are not uploaded.
APM-3102	Improvement	AC	Upload of risks fails. Upload/download of fields "Approval expires" and "Auto renewal" is not possible.
APM-3103	Improvement	AC	Removing a role from a user in the simulation screen causes the displayed tree structure to fold. The structure should stay open.
APM-3104	Bug	AC	URT collector dumps if no roles are selected for mini transfer due to all services being transferred. Before a preventive check occurs, all relevant data is checked for validity. If all relevant data is already transferred to the ComplianceNow server, then there is no need to transfer any data and the server is requested to perform the risk analysis based on the data already available on the server.
APM-3105	Improvement	AC	It should be possible to select users based on user type (Dialog, system, etc....). The user type should be present in the reports as well (Part of the additional output fields).

Issue key	Issue Type	Component	Summary / Description
APM-3106	Bug	UM	When copying selection criteria from reports, the from date is not copied correctly the first time the copy button is pressed. Subsequent presses of the copy button transfer the correct date. This happens both for reports that are deleted and not deleted.
APM-3107	Improvement	UM	UM report default from date should be set to first of January in the current year.
APM-3110	Improvement	AC	Settings for AC background jobs have changed If role analysis is deactivated the other settings should be greyed out. The "Generate report" checkmark should be removed. If user analysis is deactivated the other settings should be greyed out. The "Generate report" and "User Risk Matrix" checkmarks should be remove
APM-3111	Improvement	AC	If, due to AC settings, certain background analysis tasks are not run, the corresponding traffic lights on the about page should be colored grey and the text should be "Deactivated"
APM-3113	Improvement	UM	UM Reports should have amount of days containing usage data in Excel report
APM-3114	Bug	IC	Definition and Documentation does not show Executer of the control, even though the Executer parameter is visible in the documentation. The executer parameter is removed from the documentation, as the executer is only relevant for each area of the control execution, and not the control definition itself.
APM-3115	Bug	AC	Even though user analysis is turned off it must be possible to access Legacy Risk Management and view logs, first approval etc.
APM-3116	Improvement	UM	UM reporting - Remove indications of usage data in the date picker/fields. If no usage data exists for a specific date, there should be no indication of this. The red underline is removed. In the date picker, all dates should be in black font and not greyed out. We don want to distinguish between whether usage data is available or not when picking dates.
APM-3118	Improvement	ComplianceNow Suite	General cleanup of unused database tables.
APM-3119	Improvement	AC / UM	URT performance improvement - Filter created allowing to transfer only roles assigned to users.
APM-3120	Task	AC	Improved language translations for Danish
APM-3121	Task	AC	Hungarian language addition prepared for future translation
APM-3122	Task	IC	Improved language translations for Danish
APM-3123	Task	UM	Improved language translations for Danish
APM-3124	Task	APM	Improved language translations for Danish
APM-3125	Improvement	AC	Risk library template files are generated for download, enabling translated versions.
APM-3126	Bug	AC	The content in reports is badly aligned if descriptive fields contain a semicolon.
APM-3128	Bug	APM	Generation of reports fail. Incompatibility with Java version 11. Must upgrade to version 17.
APM-3129	Bug	ComplianceNow Suite	Table update script is case sensitive when creating tables. The schema update script has been corrected to be consistent with creating the tables correctly.
APM-3132	Bug	AC	Double clicking tree structure causes expansion of the structure and will sometimes result in open and closed at the same time.
APM-3134	Bug	EUA	Missing text ID for Emergency User Access log entries.
APM-3135	Task	AC	Improved language translations for Danish
APM-3141	New Feature	ComplianceNow Suite	New transaction code /APPLISOL/LOGS has been created to allow the extraction of server logs directly through SAP. The existing transaction code /APPLISOL/APMERRLOG has been changed to point to the same functionality. The log files available for download are the php_error log as well as the application background task logs. All the log files can be displayed and the files can be downloaded into a single zip file.
APM-3142	Bug	AC	Preventive Check log - Summary and Details report fail on report creation.

Version 5.2.7

Issue key	Issue Type	Component	Summary / Description
APM-3083	Bug	APM	APM auth error list returns field value ??? which causes error in Fiori AJAX. This is an error introduced with the S/4HANA 2021 systems.
APM-3064	Bug	APM	APM report does not include the entire issue comments. Neither the CSV or excel report contains the full comments.
APM-3063	Bug	UM	Search for users in reports does not work. The search field holds on to the last name listed in the search, and it is not possible to enter a new search criteria.
APM-3062	Bug	APM	Manage remote logon in APM does not show correct systems. The list is either empty or displays a wrong combination of systems and clients.
APM-3060	Bug	AC	Approvers cannot be maintained if too many approvers exist in list. The maintain approver button is no longer visible and it is not possible to scroll down to see the button.
APM-3059	Bug	APM	APM1CLICK dumps when trying to correct issue
APM-3057	Bug	APM	ATT - The users overview within the ATT administration is not updating the executed tcodes correctly. There is a slight miscalculation.
APM-3055	Improvement	AC	In tab "Simulation" Description from roles (PFCG) is missing
APM-3054	Improvement	IC	When making a search in control Archive, its inconvenient to get back to all ID's
APM-3052	New Feature	APM	Role synchronization in APM projects has been introduced. Existing roles in the project are checked if they still exist in SAP. If a role no longer exist in SAP the role will be removed from users who seem to have that role in the project and the role will be removed from the project itself.
APM-3049	Bug	AC	Search in user report does not work correctly
APM-3048	Improvement	AC	AC & UM; New ComplianceNow tcodes New Tcode for Access Control simulation /APPLISOL/ACSIM New Tcode for Usage Monitor Role Journal /APPLISOL/UMRJ Web enablement of following transactions codes (Test in table TSTCC) /APPLISOL/AC /APPLISOL/APMCOCKPIT /APPLISOL/APMUM /APPLISOL/DATAADMIN /APPLISOL/IC /APPLISOL/ICDISPLAY /APPLISOL/UMSETUP Deleted following transaction codes: /APPLISOL/MC /APPLISOL/MCAPPROVE /APPLISOL/MCCONTROL
APM-3047	Task	CN Suite	Various DA translation corrections in UM
APM-3046	Task	CN Suite	Various DA translation corrections in IC
APM-3045	Task	CN Suite	Various DA translation corrections in APM
APM-3044	Task	CN Suite	Various DA translation corrections in AC
APM-3043	Improvement	UM	Reports are first created in CSV format and are then converted from CSV to XLSX for improved performance
APM-3042	Bug	APM	APM reports crash when displaying a CSV report. Afterwards the report appears as stopped in the report list.
APM-3041	New Feature	UM	It is not possible to select output language for UM reports
APM-3035	New Feature	UM	Improved performance while inserting transaction codes into database tables. Restructured code to decrease statements using " INSERT ... ON DUPLICATE KEY" for improved efficiency
APM-3034	Improvement	UM	Performance improvements to the User/Role/Tcode master data receiving, sent from SAP.
APM-3033	Task	AC	AC Transport AC preventive check user-exit customizing
APM-3032	Task	AC	Change Top text in "Create risk", for all 4 risk types.
APM-3031	Bug	APM	Issue log does not show worktask has been executed or rejected, for the worktask type "Repair role"

Issue key	Issue Type	Component	Summary / Description
APM-3030	Bug	APM	When creating the Add role or the SU24 worktask, the GUI switches to french language upon returning to origintating view. This is caused by the language parameter not being returned after the SAPEVENT call.
APM-3029	Bug	APM	After creating a SU24 create worktask it is not possible to execute the worktask. The execute worktask button is greyed out and not possible to use
APM-3027	Bug	UM	UM reports crash due to temporary tables running out of id's. Restructuring of auto-increment values.
APM-3026	Bug	APM	It is not possible to create a work task without the the functionmodule create_user. This error is present in both SU24 of assign role work task.
APM-3025	Bug	IC	Mails to approvers are not being sent
APM-3021	Improvement	CN Suite	About page, blog entries are now shown correctly after redesign of website: compliancencow.eu
APM-3020	Bug	APM	APMSU53 crashes due to unknown column in receiving table
APM-3018	Bug	APM	Project list - Filters "Local" and "Open only" does not work after the refresh button is pushed.
APM-3017	Bug	AC	Autostart workflows warn about locked or expires users (even thought they aren't)
APM-3016	Sub-task	APM	Sending mails on creation to project responsible instead of system landscape email address.
APM-3015	Sub-task	APM	if a project responsible is set the issue should be created with that responsible assigned.
APM-3013	Sub-task	APM	It should be possible to select and change a responsible on a project. - existing and new projects.
APM-3012	Bug	APM	ATT - Column #tcode error, where the tcodes are not counted correctly
APM-3011	Improvement	APM	It is possible to assign a test project responsible to each test project. All created issues within that project will be assigned to the responsible. All mails related to the project and newly created issues will be sent to the project responsible by default unless the issue has a different responsible than the project responsible.
APM-3010	Bug	APM	Project details, text missing
APM-3009	Bug	APM	Projects grid, translation missing
APM-3008	Improvement	APM	It is not possible to sort or select multiple users in the test projects. The screen has been improved with the ability to sort users and select multiple users, in order to assign test roles ot the correct test users.
APM-3007	Improvement	APM	When reporting an authorization error a user will get a popup message if an authorization error has been hidden in the view to to test project setup. This popup message needs to be cloesed before being able to proceed with reporting an issue. Now a user will get the message at the top of the reporting screen as part of the normal reporting screen.
APM-3006	New Feature	AC	Upload and overwrite of risk definitions. It is possible to overwrite/replace risk definitions. If the ID is the same, it is possible to change all other information. The ruleset log reflects these changes.
APM-3005	Bug	UM	Correction to how the dashboard "SAP_ALL users" and how SAP_all users are counted.
APM-3004	Bug	APM	Unable to add SAP user to APM test project
APM-3003	Improvement	UM	Technical: UM dashboard generation background jobs have been implemented in Java
APM-3002	Task	AC	Missing DK translation in new tab "Simulation"
APM-3001	Improvement	UM	Technical: UM dashboard generation background jobs have been combined into a single background job
APM-2999	New Feature	IC	Compliance manager should be notified by email, when there are findings to handle
APM-2998	Bug	UM	UM license reports count assigned composite roles as unassigned. Composite roles should get their license from the highest ranking license of their sub-roles. If UM license category is selected, the license category for composite roles should be calculated from the included single roles.
APM-2997	Bug	AC	Authorization objects are displayed twice in functionalities. It is not possible to open the second object.
APM-2996	Improvement	AC	Optimizing URT collector for use with preventive check
APM-2995	Bug	EUA	Audit log fails if no first line of EUA log is missing
APM-2994	Improvement	AC	Derive emails for approver from existing data and do not rely on SAP providing it at workflow start. Mails for admin and affected user are taken from SU01.
APM-2993	Bug	APM	Issue status change mails are not sent
APM-2992	Improvement	AC	Approve WF and pending WF screens have been improved with more detailed information about approved and pending approvals within a request.
APM-2991	Improvement	AC	Optimizing preventive check. Risk result is returned before all violation causes are written to the database to improve response time.

Issue key	Issue Type	Component	Summary / Description
APM-2990	Improvement	CN Suite	Synchronize headlines on SAP GUI header shown in the /APPLISOL/ transaction codes in SAP
APM-2988	Task	CN Suite	Database conversion of charset and collation. New charset is UTF8MB4
APM-2987	Bug	UM	High usage settings turn on/off in apm.ini. Deactivated and activating the feature is done in each system/client.
APM-2984	New Feature	AC	Simulate role change. New simulation functionality.
APM-2981	Task	IC	Values in the change log are being translated. "Lav" suddenly stands as "Niedrig" in the change log
APM-2980	Improvement	APM	Function apmGetText (db gui texts) has become obsolete and is removed from codebase.
APM-2979	Improvement	AC	Manage functionalities load time improved
APM-2977	Improvement	APM	APM reports are now executed via Java
APM-2976	Improvement	IC	Mails are now sent using a Java based background task on the server
APM-2975	Improvement	UM	Mails are now sent using a Java based background task on the server
APM-2974	Improvement	APM	APM emails are now sent via Java.
APM-2973	Improvement	AC	Workflow mails are now sent using a java.
APM-2972	Improvement	IC	Buttons to enable folding and unfolding everything in Control templates
APM-2971	Improvement	CN Suite	Discontinued use of Zend Email class
APM-2970	Improvement	CN Suite	Reports based on large MySQL statements which are converted to Excel reports using PHP are very slow. General conversion to Java based report creation.
APM-2969	Improvement	AC	Workflow approval/rejection comments should be clearly visible. They are visible for each risk by hovering on the status icon
APM-2966	Bug	APM	ABAP not returning language parameter, making certain pages revert to default language.
APM-2965	Improvement	CN Suite	Missing translations in /APPLISOL/DATAADMIN - Data Administration
APM-2962	Improvement	AC	Reports in AC cannot be created with French language
APM-2961	Improvement	AC	Dashboard improvements. Small texts removed where unnecessary for the understanding of the dashboards
APM-2960	Bug	UM	Not possible to maintain high usage settings, even though high usage monitoring is activated
APM-2958	Task	APM	APM Test parameters are deleted from service call
APM-2957	Bug	APM	Role list uses wrong icon for composite roles
APM-2956	Improvement	APM	Searching in the tcode selection of test projects have been improved for screen where the amount of tcodes exceed 500 tcodes. # Search for a specific role(s) and select all their tcodes. # Search for specific tcode(s) and select all or some of those.
APM-2955	Improvement	UM	License dashboard corrections and improvements. Dashboards "User Count - SU01 Assignment" and "Non-Compliant Users" have been corrected and now show the historical assignment correctly Dashboard "User Count - SU01 Assignment": The historical view has had the axis description removed.
APM-2954	Improvement	APM	Cosmetic corrections to UM dashboard.
APM-2953	Improvement	APM	Missing translations in transaction /APPLISOL/APMTEST
APM-2952	Improvement	IC	upload of documents to the Control template
APM-2950	Bug	AC	Multiapproval of AC workflow does not approve correctly. A request contains more than one type of risk and each risk has several approvers.
APM-2948	Improvement	APM	Various missing translations
APM-2947	Bug	IC	When adding Area in App/Exe/comp it does not work in upload, and when double clicking on the field it comes with a strange message.
APM-2946	Bug	IC	When there is a mark in "Approval not relevant" it still goes to Approver
APM-2945	Improvement	APM	Maintain TC restrictions button is placed to close of the prior button
APM-2944	Task	CN Suite	Implementing existing functions in Java with focus on special characters and AC risk types
APM-2943	Bug	IC	When executing a control and wanting to change comment, it keeps loading on this and all others
APM-2942	Bug	IC	Manage approvers in IC - Some fields are uneditable
APM-2941	Improvement	CN Suite	Various minor correction and improvements

Issue key	Issue Type	Component	Summary / Description
APM-2940	Improvement	AC / UM	Dashboard Overhaul. Use month names instead of dates. Use 3 months as default period for small dashboards. AC Dashboard "Risks introduced and removed" now contains the removed risks as well as introduced risks.
APM-2939	Task	CN Suite	French translation review and implementation
APM-2938	Improvement	AC / UM	Dashboards have been changed to reflect that a year is not 365 days, but consists of 12 months. The following dashboards have been corrected: UM Authorization dashboard UM License dashboard AC Dashboard
APM-2928	Task	UM	Initial implementation of the Fiori Tracker
APM-2837	Task	CN Suite	WAMP server configuration changes implemented in WAMP bundle 5.2.7
APM-2832	Bug	UM	License dashboard "Non-compliant Users" is empty. The list is empty as well, but the downloadable report contains the data.
APM-2821	Bug	CN Suite	DataAdmin is missing translations to DA
APM-2789	Improvement	APM	The test execution page for test users (TCD: /APPLISOL/APM_TEST) should only display the TCodes selected for test in 'project setup' for roles currently assigned to the test user.
APM-2788	Improvement	APM	Projects - Project details - Test Overview is changed to only display roles assigned that are selected for testing. Similarly the test overview only shows result of the transaction codes selected for testing.
APM-2705	Bug	AC	Role report contains faulty data if role contains a * in object S_TCODE. The column "Activity details" contains a * in S_TCODE even though there is no * in the functionality. The column "Tcode" contains a *, but should rather contain the tcode described in the functionality activity.
APM-2506	Bug	APM	Project setup: Role selection never-ending load screen when searching large quantities
APM-1969	Improvement	AC	Managing users with SU01 and SU10 causes a preventive risk check to be performed, even though users are only locked. Preventive check is only performed on unlock of users, and not when a user is locked
APM-1810	Improvement	EUA	EUA naming conversion /CIBD to /APPLISOL

Version 5.2.6

Issue key	Issue Type	Component	Summary / Description
APM-2937	Improvement	AC	AC, violation screen details
APM-2936	Bug	UM	UM_I01_811 When use of goggles in Dashboard "users with no Activity" it keeps loading
APM-2935	Improvement	UM	UM, auth dashboard, show all results where limited
APM-2934	Task	CN Suite	CNS, remove use of Zend_Json_Server
APM-2933	Bug	AC	AC, dashboard, user in compliance not counting correctly
APM-2931	Bug	AC	AC - Translation in email (German)
APM-2929	Bug	AC	AC - Legacy Approval - When clicking on Link to Risk, it just opens SOD func tab.
APM-2922	Task	CN Suite	DE translation
APM-2921	Bug	UM	UM: License dashboard "Roles per license category" seems to include roles from other system/clients
APM-2920	Bug	UM	UM report "only usage" does not include old type usage data
APM-2919	Bug	UM	UM, creating license data with wrong dates
APM-2918	Bug	UM	UM "only usage" report contains lines with empty tcodes
APM-2916	Bug	IC	IC - N01 - 500 DA Text in upload sheets is mixed danish and english
APM-2915	Bug	IC	N01 500 DA Upload only works with English text in "Kritikalitet" and "Frekvens"
APM-2914	Bug	AC	AC email content for several Risk are embedded in 1 Risk.
APM-2912	Bug	UM	UM, reports GUI will only let user choose between two first report type
APM-2911	Bug	AC	AC - Legacy - Historical information
APM-2910	Bug	IC	IC - N01/500 Name change from Mitigator to Compliance Manager
APM-2908	Bug	AC	AC - Dashboard - User Compliance - Contains info like 'chose historical List'.
APM-2907	Bug	AC	AC - Dashboard ' Roles not in Compliance
APM-2906	Bug	AC	AC - Cannot create users in N01/400 - Or maintain roles in N01/500 - When saving ABAP Error.
APM-2905	Bug	AC	AC - Legacy - Only 1 Risk is send for approval - 3 was check marked.
APM-2903	Improvement	CN Suite	CNS, restructuring log files
APM-2902	Bug	IC	IC - N01-500 Upload derived does not make controls or areas active
APM-2901	Improvement	CN Suite	CN, basic java classes
APM-2899	Bug	IC	IC - N01/500 Same issue as the one we had on I65 with multiple derived risks of the same kind.
APM-2898	Bug	IC	IC-N01-500 As a CM you can add file, but nothing happens when trying to delete it again
APM-2896	Bug	AC	AC - Items are gone from approver screen. - Was there yesterday evening
APM-2895	Bug	IC	IC N01-500 Trying to create a risk, but it keeps on loading
APM-2894	Bug	IC	IC - When editing a template nothing happens.
APM-2893	Bug	AC	AC and IC - No email is sent
APM-2890	Bug	AC	AC, about does not show status
APM-2888	Bug	AC	IC - Upload of Controls - Error occurred during save.
APM-2884	Improvement	AC	AC Reports - User and Roles - Services
APM-2882	Bug	AC	AC - SU01/PFCG Violation screen - Keeps loading when Services is involved in Risk.
APM-2880	Bug	AC	Translation - Approver Screen - Translate "Reject" to "afvis". (BaneDanmark)
APM-2879	New Feature	UM	UM, Colgate report
APM-2878	Improvement	AC	AC, Approver email - New email content.
APM-2877	Improvement	AC	AC, Approver screen - Area - 'Awaiting Your Approval'
APM-2876	Improvement	AC	AC, Approver screen - Area - 'New Access Risks'
APM-2874	Bug	IC	IC - I65 Cant open download in Dashboard
APM-2873	Task	AC	AC, parallel reports
APM-2872	Task	CN Suite	CNS, varios failing services and minor release changes
APM-2871	Bug	IC	IC - When trying to download, Issues with both buttons.
APM-2869	Bug	IC	IC-I65 Dashboard keeps Loading
APM-2868	Task	CN Suite	CNS, async DB query
APM-2867	Task	CN Suite	CNS, async log
APM-2865	Task	CN Suite	CNS, remove use of Zend Date
APM-2861	Improvement	AC	Low memory option must be changed for AC analysis
APM-2859	Bug	AC	AC - Violation screen - Details for SOD functionality is not displayed
APM-2858	Task	UM	UM, RJ, test Excel output
APM-2854	New Feature	IC	IC, url in description fields should be clickable in views
APM-2849	Bug	AC	AC, preventive check, composite roles on newer SAP
APM-2848	Bug	IC	IC - When creating a Approver/Executer in Settings nothing happens
APM-2847	Bug	AC	AC - When creating a group in SOD Functionalities nothing happens.
APM-2846	Bug	IC	IC - Creating a Control - Keeps loading - nothing happens.
APM-2845	Improvement	UM	UM, report, show role alternatives
APM-2844	Improvement	AC	AC, approver screen more info
APM-2843	Improvement	IC	IC, risk management, add areas individually

Issue key	Issue Type	Component	Summary / Description
APM-2842	Improvement	AC	AC, upload risks
APM-2841	Improvement	AC	AC, upload functionalities
APM-2840	Improvement	AC	AC, upload activities
APM-2836	Improvement	AC	AC, Dashboard also available as stand alone page
APM-2833	Bug	AC	AC, workflows not deleted when correlating legacy is
APM-2831	Task	CN Suite	CNS, removal of PHPexcel, refactoring and general cleanup
APM-2830	Task	AC	AC, PFCG check, does not seem to return all expected risks
APM-2829	Task	CN Suite	CNS, remove use of Zend Autoloader
APM-2828	Improvement	IC	IC, control archive, extra column control group name
APM-2827	Bug	IC	IC, control archive, search for completed does not work
APM-2826	Improvement	IC	IC, Approver screen, extra column control group name
APM-2825	Bug	IC	IC, Approver screen only show 25 items on load though setting is 50
APM-2819	Bug	CN Suite	IonCube memory issues
APM-2794	Improvement	AC	AC, dashboard report should be possible to be Resumé report
APM-2739	New Feature	APM	APM - Create test user - Email in SU01 should be updated with email.
APM-2694	Improvement	AC	AC, S4/HANA service capability
APM-2693	Task	CN Suite	CNS, cleanup of old Excel generator library.
APM-2663	New Feature	AC	AC S4HANA: Upload/Download of ruleset containing services
APM-2640	Improvement	AC	AC, Risk details report with field value descriptions - Download report for all active risks
APM-2618	Improvement	AC	AC; New report with all details for risks in catalog (all details)
APM-2590	Task	AC	AC, update Excel library (all Excel output should be tested)
APM-2541	Improvement	AC	AC, Dashboard user compliance document, resumé setting available
APM-2493	Task	CN Suite	CNS, kill of APM_Db_Table_* classes
APM-2345	Task	IC	IC - Control Library
APM-1999	Improvement	APM	APMSU53 – Multi view
APM-1772	Epic	APM	APM redesign project
APM-1670	Improvement	APM	Unable to sync APM with manually deleted test container

Version 5.2.5

Issue Type	Issue key	Summary/Description
Bug	APM-2084	APM: It is not possible to delete values in the field "Auth. Objects saved in SU53" in the project tab
Bug	APM-2318	APM: APM1CLICK is active, even though no authorization error is present, and it is possible to click multiple times.
Improvement	APM-2521	APM: All settings that are system specific have been made project specific instead.
New Feature	APM-2527	AC: Legacy Risk Management. Enable auto send of workflows to approver for approval.
Improvement	APM-2540	AC: Dashboard user compliance report - mark if out of lines.
Improvement	APM-2593	UM: Update Excel library. New Excel PHP component introduced for improved Excel report generation.
Bug	APM-2627	APM: Project overview - Improved user interface.
New Feature	APM-2629	APM: Testusers should be able see the status of their own issues raised. Shown in test user test screen.
Improvement	APM-2688	APM: Language in mails has been corrected.
Improvement	APM-2689	AC: Language in mails has been corrected.
Improvement	APM-2690	IC: Language in mails has been corrected.
New Feature	APM-2691	APM: It is not possible to stop ATT test run if it is scheduled.
Improvement	APM-2692	UM: Optimizations in data receiving and processing background (ETL) jobs.
New Feature	APM-2699	APM: Investigation into performing an SoD check in SU53, while updating the test container role.
Improvement	APM-2700	CN Suite: Various technical code improvements.
Bug	APM-2701	AC: SoD functionalities - 'Functionality Search' is loading forever, when searching for something which does not exist.
Improvement	APM-2703	AC: Performance improvements in SoD analysis of users.
Improvement	APM-2704	APM: SU53 backward compatibility with older ABAP systems.
Bug	APM-2706	AC: Pending Workflow - No Risk details are displayed.
Bug	APM-2708	APM: Test case or issue number should not have to be mandatory, but it must be possible to choose between hidden, optional or mandatory.
New Feature	APM-2710	APM: New settings page for APM.
Improvement	APM-2711	CN Suite: About page code improvements.
Bug	APM-2712	IC: Upload of control library - Description field only uploads 10 first characters.
Bug	APM-2714	APM: SU53 - Wrong Tcode is reported sometimes when using testscreen.
Improvement	APM-2715	UM: ABAP Usage collector should transfer all usage data types from STAT/STAD.
Improvement	APM-2716	AC: Dashboard calculation job upgraded and split into separate jobs.
Improvement	APM-2717	APM: Reported issues are associated to user instead of project. Issues must be assigned to a project and not a user, and must stay with the project even if the user is removed from the project.
Bug	APM-2718	AC: Before preventive check starts in PFCG and SU01 - Message - 'xx records rejected' appears.
Bug	APM-2719	AC: Preventive check Log - Risk details unknown.
Bug	APM-2721	AC: Settings - System reaction configuration - Changes are not saved.
Bug	APM-2722	AC: Settings - It is not possible to save new messages.
Bug	APM-2723	AC: SoD functionalities - Cannot create New Group in functionality Library.
Bug	APM-2724	AC: SoD functionalities - Cannot create New Functionality in functionality Library.
Bug	APM-2725	APM: When adding a user to a project through "paste users" functionality, the message is that users are not assigned to the project even though they are actually assigned.
New Feature	APM-2726	APM: It should be possible to maintain the email address of the test users in the project setup. User information (first name, last name and email) that has been changed since adding the user to the project can be synchronized by clicking the "Update users" button.

Issue Type	Issue key	Summary/Description
Bug	APM-2727	AC: Pending Workflow - Preventive check log - Approver Screen - No Risk details are displayed for Services.
Bug	APM-2731	UM: Report fails when option "Show tcode description" is checked.
Bug	APM-2733	APM: OneClick does not work consistently in the APMTEST transaction.
Bug	APM-2734	APM: OneClick transaction shows tcode /APPLISOL/APMTEST instead of actual tcode in the reported authorization issue.
Improvement	APM-2735	APM: Project management, Improvement in the selection of tcodes when there are many tcodes that need to be added to a test project.
Bug	APM-2737	APM: Project name is not displayed in the issue list.
Improvement	APM-2738	APM: Improved synchronisation between application and SAP backend when assigning APPLISOL roles and test container with SAP SU01/SU10/PFCG.
Improvement	APM-2740	APM: Improvements in general user information (Roles/Tcodes/info) synchronization with SAP.
Bug	APM-2741	APM: Reports do not work correctly. Missing information.
Bug	APM-2743	AC: Not able to display newly created roles in Critical Roles tab, Add roles.
Bug	APM-2744	AC: Searching in Add functionality does not display the correct information.
Bug	APM-2753	AC: Legacy risk list does not display all risks.
Bug	APM-2759	APM: Project update: Updating users does not synhronize roles assigned in SU01 correctly.
Bug	APM-2761	APM; Issue linking issues in APM and mass resolving.
Bug	APM-2762	APM: APMTEST: TC Restrictions can be overwritten by OneClick correction.
Bug	APM-2763	APM: Project overview crashes if too many roles are assigned in the project.
Improvement	APM-2764	AC: About page, Information about dashboard job status has been improved.
Improvement	APM-2766	APM: APMTEST should only show comments from current test project.
Bug	APM-2767	APM: APMTEST is showing issues reported in other projects.
Improvement	APM-2768	APM: Testscreen, OneClick button should work exactly as executing the tcode. OneClick functionality is no longer available if any error report description fields are mandatory.
Improvement	APM-2769	AC: Approver screen only shows new violations, but not violations sent out by the legacy risk management for reapproval.
Improvement	APM-2770	CN Suite: IonCube performance improvements.
Bug	APM-2772	AC: Not possible to activate/deactivate single controls in Critical roles, Critical Tcodes, & SoD func.
Bug	APM-2773	IC: Dashboards - Not able to display trend content in the Dashboards.
Improvement	APM-2774	APM: Project management. It must be possible to select users for synchronization with SAP backend.
Bug	APM-2775	APM: Projects - Project Overview; Comments from test-users are transferred between projects, when users are moved or removed from a project.
Improvement	APM-2776	APM: APMTEST - restart correct tcode after OneClick error correction.
Bug	APM-2777	APM: OneClick in test-user SAP menu is ignoring TC Restrictions.
Improvement	APM-2778	AC: Dashboard job, legacy compare speed-up improvements.
Bug	APM-2779	PWR: ABAP Customizing does not work if no previous settings exist.
Improvement	APM-2780	APM: Danish language corrections.
Improvement	APM-2781	AC: Danish language corrections.
Improvement	APM-2782	UM: Danish language corrections.
Improvement	APM-2783	IC: Danish language corrections.
Bug	APM-2784	IC: Dashboard "Active controls" does not contains data in expanded view.
Bug	APM-2785	IC: Dashboard "Awaiting Approval" does not contains data in expanded view.
New Feature	APM-2786	UM: Usage mapping of usage types in data transfer.
New Feature	APM-2787	UM: Usage report with mapping data.

Issue Type	Issue key	Summary/Description
Bug	APM-2790	APM: Issuelist, created worktasks should only contain selected field values. Not possible to create duplicate work tasks.
Improvement	APM-2792	UM: Usage types can easily be in one table across system clients.
Improvement	APM-2793	UM: Usage data are split into system/client based tables.
Improvement	APM-2795	AC: Reports update to PHP7+.
Improvement	APM-2796	CN Suite: DB optimizations. If mySQL has gone away try reconnect and try again.
Improvement	APM-2797	AC: Dashboard report can run out of memory and crash. Improvements in memory handling.
Improvement	APM-2798	APM: Project page, save user selections.
Improvement	APM-2799	APM: Worktask page, save user selections.
Improvement	APM-2800	UM: License management improvements. Possible to search and select multiple roles at the same time.
Improvement	APM-2801	CN Suite: DataAdmin, Danish translations.
Bug	APM-2802	IC: Control template - It is not possible to delete a Control.
Bug	APM-2805	AC: PFCG preventive check update improvements.
Bug	APM-2809	AC: ABAP data structure change to add information about services.
Bug	APM-2813	AC/UM: Changes to master data transfer. Improved processing of data that contain unexpected characters.
Improvement	APM-2814	APM: removed obsolete Test Container (TC) roles.

Version 5.2.4

Issue Type	Issue key	Summary/Description
Bug	APM-1532	License files are only valid until the day before expiry date but should be "up to and including" expiry date
Bug	APM-1636	AC approver screen
Improvement	APM-2018	code update for PHP 7.2
Bug	APM-2387	AC - Composite role details are missing from summary reports
Improvement	APM-2550	Delete reports that are older than X days from the reports folder on the server
New Feature	APM-2564	APM: Issues screen: Add comment should be possible for multiple issues at once
Improvement	APM-2598	APM, Responsible Description field should be available/present in reports
Bug	APM-2606	IC - Upload of executor/Approver/AREA from Excel - Not possible to display the full error message.
New Feature	APM-2612	IC, Mitigator role
Bug	APM-2615	IC - Upload Derived Controls
New Feature	APM-2616	AC, Settings, Nightly job, Options for User-Risk Matrix Report
Bug	APM-2619	SU53, always send the top result for correction and report
Improvement	APM-2622	IC - Change a derived Control is only possible if you deactivate the Control
Improvement	APM-2623	CNS, PDF documents timestamp should be local
Bug	APM-2625	APM - Search - Choose 'Open Only'
New Feature	APM-2631	AC, field value explanation
Bug	APM-2632	IC - Control Library - Upload, Executor/Approver not updated when uploading
Bug	APM-2633	AC - Dashboard - 'Risk reactions types' is empty
New Feature	APM-2634	AC, Risk details report with field value descriptions
Bug	APM-2638	Error in report User Analysis
Bug	APM-2642	AC Role excel report without conflicts contains errors when opening
New Feature	APM-2643	Access Filter column is needed in the APM issues list
New Feature	APM-2644	AC, risk detail report bundle
New Feature	APM-2645	AC, risk detail pdf critical tcodes
New Feature	APM-2646	AC, risk detail pdf critical roles
New Feature	APM-2647	AC, risk detail pdf sod roles
Improvement	APM-2648	Ad-hoc code and DB changes without an issue.
Improvement	APM-2649	AC, dashboard - better error handling if reports are not available
Bug	APM-2651	APM SU53 does not show multiview slider or combine checkmark
Improvement	APM-2652	APM, issue list TR filter for empty tcodes
Bug	APM-2654	AC Workflow approval mails are not able to be sent out
Bug	APM-2655	UM, RJ, Organizational level does not show correctly
Improvement	APM-2656	AC, risk screens, Activating large groups does not indicate program is busy
Bug	APM-2657	AC: Cannot create a new functionality
Bug	APM-2659	APM SU53 popup keeps coming up + Correct button not properly hidden
Bug	APM-2660	APM: Possible to create an issue with an empty ext. issue field, even though it is mandatory
Bug	APM-2661	AC: Cannot remove deleted functionality from risk
Improvement	APM-2662	AC: Preventive check with S_SERVICE objects missing information
Improvement	APM-2664	APM, load role analysis by button
Bug	APM-2665	APM Issues: Necessary to press "Save" twice when changing issue status
Bug	APM-2666	APM: External issue text is not displayed in the issue list - issue details

Issue Type	Issue key	Summary/Description
Bug	APM-2667	IC, Risks, pressing save without changing controls will load forever
New Feature	APM-2673	APM: First & last name in report "Project - Issue details"
New Feature	APM-2674	APM: first & last name in issue list
New Feature	APM-2675	APM: maintain responsible on several issues at the same time
Bug	APM-2677	AC, dashboard crashes when low mem is set
Improvement	APM-2678	UM, unused Tcodes and RJ usage jobs takes a very long time at SKAT
Bug	APM-2685	IC, executer upload file spins forever

Version 5.2.2

Issue Type	Issue key	Summary/Description
Improvement	APM-1335	User/risk approval/mitigation: avoid showing as new risk if risk has been previously approved for user, even when risk has new "cause"
Improvement	APM-1339	Make add-on uninstallable (AAK 5.0)
Bug	APM-1487	UM reports do not immediately reflect changes after a single role is removed from a composite role
Improvement	APM-1727	CCSuite Zend Guard replacment for both License handling and code obfuscation
Improvement	APM-1760	APM ATT translations for DA, DE and FR
Bug	APM-1764	APM - New SU53 shows the previous authorization error of the other user instead of the logged on user
Improvement	APM-1791	GUI, APM projects screen
Improvement	APM-1793	APM, System landscape page
New Feature	APM-1795	APM, issues screen
New Feature	APM-1797	Analyze issue screen
Improvement	APM-1798	DA translations
Improvement	APM-1802	Perform task immediately
Improvement	APM-1816	Use RFC connections on issues screen
Bug	APM-1817	APM User naming
Bug	APM-1819	UM Role Journal org. level
Bug	APM-1830	AC sod_func engine similar object under different tcode
New Feature	APM-1847	Projects, manage users
New Feature	APM-1853	projects, refresh tcodes in project
New Feature	APM-1855	User management, create user per role
Bug	APM-1860	AC - Special characters in sod func. cause the creation to fail
New Feature	APM-1868	Issues, action log details correct showing
New Feature	APM-1870	Worktasks, list worktasks
Improvement	APM-1874	AC, mails, improved logging
Improvement	APM-1877	projects, manage roles, convert to tmp tables and check AC license
Bug	APM-1881	AC report selection criteria
Improvement	APM-1882	AC role analysis reporting
Improvement	APM-1883	CNSuite About page
Improvement	APM-1885	APM projects, inputs that cannot be changed should not be selectable
New Feature	APM-1887	APM Project Overview
Improvement	APM-1888	APM issue list adjustments
Bug	APM-1889	APM issue list show SAP standard roles
New Feature	APM-1891	Issues, similar issues, link similar issue to an issue
Improvement	APM-1892	APM issue RFC pop-up information
New Feature	APM-1894	System Landscape, manage responsables
New Feature	APM-1895	System Landscape, manage TC restrictions
Bug	APM-1896	Projects, manage users, paste in usernames
Improvement	APM-1897	Projects, update project info after project setup
New Feature	APM-1898	Projects, manage users, possibility of adding, changing and removing an email address on a test user
New Feature	APM-1899	Projects, manage users, send mails to mail addresses in project
Improvement	APM-1900	Issues, speed up issues store

Issue Type	Issue key	Summary/Description
New Feature	APM-1902	Testpage
Bug	APM-1903	Issues, change status changes to test instead of in_test
New Feature	APM-1904	Projects setup, add test comments to tcodes
Bug	APM-1905	APM issue list - Issue details is only loading but doesn't show up
Bug	APM-1907	AC preventive check is displayed but showing nothing
Bug	APM-1908	APM redesign search in issue list
New Feature	APM-1909	Testpage, comments from testers
Improvement	APM-1910	Projects, manage users, update tcodes should be faster
Bug	APM-1911	Projects, manage users, created testusers get project role and one click by default
Improvement	APM-1912	APM redesign - role list is not updated, when user name is pasted
Bug	APM-1913	new SU53, user is sometimes changed when changing timeperiod
New Feature	APM-1914	Projects, manage users, add multiview role to users
Improvement	APM-1918	New SU53, changes
Bug	APM-1919	KMD, current problems at the KMD installation
Bug	APM-1920	APM redesign - Cannot remove email address of notification from and to at System landscape
Improvement	APM-1921	all pages, resize areas so user can choose area size
Improvement	APM-1922	Grids, Enable text selection where needed
Bug	APM-1923	APM redesign - new test screen
Bug	APM-1926	APM redesign - role selection X-large search
Bug	APM-1928	APM projects hidden/filtered auth. objects still shows for test users
Bug	APM-1930	APM Project and tcode Overview
Bug	APM-1931	worktasks, something wrong
Bug	APM-1933	Green icon of Multiview is not displayed correctly
Bug	APM-1935	Usage_collector is sending empty data chunks - not needed
Bug	APM-1937	APM redesign - Similar issue
Improvement	APM-1938	APM redesign - Open and overdue button
Bug	APM-1939	Projects, project setup screen sometimes crashes
Bug	APM-1941	APM redesign - OneClick tkode
Improvement	APM-1942	CNS Config file default parameter documentation
Improvement	APM-1943	CNS, MySQL has gone away
Improvement	APM-1944	CNS, correct return and params types
Improvement	APM-1945	AC, dashboard analysis should not include locked or expired users
Improvement	APM-1946	APM, ATT cross client capability
Bug	APM-1947	APM ATT has never stopped if there is any matching restriction
Bug	APM-1948	APM, Issues are created twice
Improvement	APM-1949	APM, project setup, tcode selection is slow
New Feature	APM-1950	APM, system landscape, manage logon button
Bug	APM-1952	Issue with Jobs after Upgrade to 5.2 - Very long runtime for sending auth.
Improvement	APM-1954	Running ATT via RFC
Improvement	APM-1956	UM, Licens categories page, improve layout
Improvement	APM-1959	APM, project screen, disable ATT btn if logged on sys_cli does not match project
Bug	APM-1960	locate common missing gfx
Bug	APM-1964	AC, cannot delete a risk
Bug	APM-1965	AC Dashboard data health indicator in about page shows wrong date
Bug	APM-1966	Tcode selection - When tcodes removed from roles.

Issue Type	Issue key	Summary/Description
Improvement	APM-1967	APM - maintain restriction screen - line adjustment.
Bug	APM-1968	AC, mem threshold lowered by a third
Improvement	APM-1970	AC - New downloadable report in dashboard "User Compliance"
Improvement	APM-1971	UM, dashload optimization
Improvement	APM-1972	UM, License dashboard, choose system/client
New Feature	APM-1973	UM, license categories settings page
New Feature	APM-1974	UM, license categories cross client overview page
Bug	APM-1979	APM - Deselect all users are active when no users are selected.
Bug	APM-1980	APM Issue screen - when you change status - Add comment and SU24 task are inactive
Bug	APM-1981	Ciber text still occurs in various titles on screen and documents
Epic	APM-1984	UM v2 Consolidated upgrade
Improvement	APM-1986	UM, dashboards, GUI update and padding
Improvement	APM-1987	BETA release
Bug	APM-1988	APM Issue tab - Changing status on Parent Issue - Screen is empty and turns gray.
Bug	APM-1989	APM Issue TAB - When you link similar issues a pop-up is display ' Error code 5)
Bug	APM-1990	AC, reports, role analysis reports fail instantly
Bug	APM-1991	Project setup - No Update amount in the field "Assigned"
Improvement	APM-1992	Create users setup - Is it possible that the entered PW is Remember for the next user
Bug	APM-1993	Report - Change colour in total line in report
Improvement	APM-1995	Project overview " Copy username from list
Bug	APM-1996	Tab projects " check mark one-click is set, but one click role is not assigned
Bug	APM-1997	APMSU53 " Multiview is available without the role is assigned to the user
Bug	APM-1998	APM test screen " Accept not " accept
Improvement	APM-2000	Project setup " choose all users
Improvement	APM-2001	Close/save button
Bug	APM-2002	Issue screen - Local system/Client display CDE issues when you are on N01
Bug	APM-2004	APM Issue tab - Status is not updated right after you created Worktask or/and Executed Work tast
Bug	APM-2005	Worktask tab - Status not updated right away when you have executed SU24 task
Improvement	APM-2006	APM, worktasks, list does not show project
Improvement	APM-2007	Tab Issue - Project name in grid is empty
Improvement	APM-2009	Issue tab - Create WT and execute Worktask directly twice will give you an error
Improvement	APM-2010	DA translation
Improvement	APM-2014	APM - Project setup - Possibility to copy username from screen.
New Feature	APM-2015	License invoice archive
Epic	APM-2017	PHP7.2 upgrade
Improvement	APM-2019	AC add selection option to reports - Include risk approval status
Improvement	APM-2020	Add correct SAP certification logo to about page
Improvement	APM-2021	Excel2JsonUsageDataConvertor
Bug	APM-2023	APM - Multiview - when you click 'CD' the user is set to undefined.
Improvement	APM-2025	APMv2 Worktasks - Add local system/client checkmark option
Improvement	APM-2026	APMv2 Projects - Add local system/client checkmark option
Improvement	APM-2027	APMv2 System landscape - Redesign landscape tree
Bug	APM-2028	Project management, user search, empty search result never finishes
Epic	APM-2032	AC Risk Management
Epic	APM-2035	Ongoing

Issue Type	Issue key	Summary/Description
Bug	APM-2036	Transaction UM setup is not able to show SAP role name if name contains character <
Bug	APM-2037	Not possible to deactivate risk without assigned functionalities
Bug	APM-2043	New APM does not work without parameter browser.ie11.compat being enabled
Bug	APM-2044	PHP warning in the AC dashboard creation on I01
New Feature	APM-2048	UM Dashboard. Show users that executed transaction codes more than x times
Bug	APM-2051	AC Role analysis report runs out of memory and fails
Bug	APM-2052	AC Dashboard "Risks assigned the most" is not generated correctly.
Bug	APM-2053	UM Dashboard "executed tcodes" is apparently missing the last few days worths of data
Bug	APM-2054	APM, one-click issue correction does not create an issue
Improvement	APM-2055	AC, legacy risk management toggle
Bug	APM-2056	Legacy correct crashing code
New Feature	APM-2059	Risk management, PHP part
Improvement	APM-2061	Risk management, Paging on risk grid
Bug	APM-2062	AC Risk Management, field/value grid
Bug	APM-2063	AC Risk Management, role grid duplicates
New Feature	APM-2065	UM, License Management, Map consolidated licenses
Bug	APM-2066	CNS - pages are requesting pagename.js
Bug	APM-2067	AC, current workflows screen - workflows not showing
Bug	APM-2069	APM - Issues list and Role repair - Issue list from DEV system is displayed and not able to return to actual system.
Improvement	APM-2070	APM - Issues and Worktask are still visible and maintainable - When projects is closed.
Improvement	APM-2072	APM Report TAB - Sorts different than other tabs.
Improvement	APM-2075	AC - Possibility jump from risk in Legacy Approval - to the actual risk in Critical Roles, SoD roles, Critical Tcodes and SoD functionalities
New Feature	APM-2077	UM, License management, Delete consolidated
New Feature	APM-2078	UM, License management, Edit button
New Feature	APM-2079	UM, License management, Unlink button
New Feature	APM-2080	UM, License management, Delete button
Improvement	APM-2081	AC dashboard, turn off APM_SoD_Dashboard_ViolationListenerLegacyRisks
Improvement	APM-2082	AC, some panes change headline when selected
Bug	APM-2085	APM - 'Overdue' Status icon is not updated in project details
Bug	APM-2088	AC - Legacy Approval Tab - Choose more than one risk via checkboxes
Bug	APM-2090	AC - Legacy Approval tab - Username First and last name is missing
Bug	APM-2091	AC - Legacy Approval Tab - Date for latest risk approval
Improvement	APM-2092	AC - Legacy Approval - Header Registered should be renamed to Identified
Improvement	APM-2093	CNS, when MySQL has gone away the job just crashes
Epic	APM-2095	CNS - administration page or module
Improvement	APM-2098	AC - Legacy Approval - The date for the FIRST approval of risk
Improvement	APM-2099	AC - Legacy Risk - Start WF regardless of the Status
New Feature	APM-2101	APMv2 Reports - Add local system/client checkmark option
New Feature	APM-2102	UM dashboard "Users with no activity" does not calculate correctly
Bug	APM-2103	APM - Add already assigned user to a new project via Past in - No message - just return to project setup
Improvement	APM-2104	AC Legacy Approval - Group (Risk Group) display in Grid
Improvement	APM-2105	AC Legacy Approval - Filter functionality
Improvement	APM-2106	AC Legacy Approval - Remove risk approval if user no longer is assigned to r

Issue Type	Issue key	Summary/Description
Bug	APM-2108	UM Transaction UMSETUP does not show the settings for "Ignored Roles"
Improvement	APM-2109	APM - Issues and Worktask are still visible and maintainable - When projects is closed.
New Feature	APM-2110	System tools, anonymize user data for deleted user
Bug	APM-2111	UM Dashboard, Non dialog users not showing correctly
Bug	APM-2113	AC - /APPLISOL/ACRPENDING does not show any pending workflows
Bug	APM-2114	AC - /APPLISOL/ACRAPPROVE - Is loading endlessly (or at least over 14 minutes)
Improvement	APM-2115	AC - LA - Choose all - means all on the page - Not ALL in ALL
Improvement	APM-2116	About, show blog on about page
Improvement	APM-2118	About, show document and download tree on about page
Bug	APM-2119	AC - Roles are not assigned to the users after the WF is approved
Improvement	APM-2120	AC - LA - Possibility to adjust the amount of displayed users on the page
Bug	APM-2121	AC - LA - Approval mail is send twice, to the risk Approver.
Bug	APM-2122	Legacy workflow blocking role assignments
Improvement	APM-2123	Violation, has a max of 64KB on causes that should be expanded
Improvement	APM-2128	Paging, Filter and Search
Improvement	APM-2129	AC, selective paging on various grids
Bug	APM-2130	APM - Add already assigned user to a new project via Past in - Detailed message with user names
Bug	APM-2131	Composite roles created in PFCG not considered in AC + Composite role not assigned only single roles
Bug	APM-2132	UM, license dashboard, non-compliant users
Improvement	APM-2133	SEAS-NVE needs at least 1100 keystroke in the field Mitigating Description
New Feature	APM-2134	AC, dashbord system reaction dashboard
Improvement	APM-2135	AC, dashboard titels on Approved and Mitigated user risks
Improvement	APM-2136	AC, risk management, activate and deactivate groups
Bug	APM-2137	AC, sod_role A and B list icons seems to have disappeared
Bug	APM-2138	About, old button opens ciber link
Epic	APM-2139	Mitigation controls
Bug	APM-2141	AC - SOD Functionality - Select authorizations object for Activity is not possible
New Feature	APM-2142	MC, group CRUD
New Feature	APM-2143	MC, Type CRUD
New Feature	APM-2144	AC, edit group
Bug	APM-2146	UM Role Journal - Excel and PDF generator does not work
Bug	APM-2147	UM Role Journal does not show roles with < in the name, correctly
Bug	APM-2148	AC - Legacy Approval - Workflow approved popup message does not match Legacy Approval
Improvement	APM-2149	CNS, background logs should have understandable names
Improvement	APM-2150	UM, dashboard job, split into system clients
Improvement	APM-2151	UM, License contract overview
Improvement	APM-2152	AC, settings page redesign
New Feature	APM-2153	MC, Control CRUD
Bug	APM-2154	ACRPENDING - Entries without user info and no violations found in Pending Workflows
Bug	APM-2155	APM - Spelling and text in old APM
Bug	APM-2156	AC - Approval mails are missing last name when user is created in SU10
Bug	APM-2157	AC - Reports contain duplicate lines
Bug	APM-2158	AC/UM/APM - About page does not use language settings for the blogs

Issue Type	Issue key	Summary/Description
New Feature	APM-2160	MC, Check (PHP only)
Bug	APM-2162	APM v2 New systems are not registered
Bug	APM-2163	AC - About page description changes language
Improvement	APM-2164	AC - Comments from Approver is not displayed in Legacy Approval
Bug	APM-2165	Data anonymization - Button Anonymize selection - text is cut
Bug	APM-2166	AC - Legacy Approval - Advanced Search - Status Not approved & Workflow can be started
Bug	APM-2167	UM License Category language is not reflected by logon language
Bug	APM-2168	UM - Dashboard - Users with no activity dashboard - Detail
New Feature	APM-2169	MC, Executer page
New Feature	APM-2170	MC, Owner page
Improvement	APM-2173	Possibility of hiding software versions of the third-party components with flag in apm.ini
Bug	APM-2176	AC ruleset upload tab - Doublet of functionality when Downloading (SEAS-NVE)
Improvement	APM-2178	AC, reports change report type to Summary
Improvement	APM-2180	APM - Issue Tab - Role Analysis - No link available to access PFCG to fix issue
Improvement	APM-2184	Approval registration should be removed if risk no longer exist for user
Bug	APM-2185	APM - Report TAB, no projects are displayed in List
Improvement	APM-2186	Reports: It should only be possible to delete non-favourite reports
Improvement	APM-2187	Reports: Favourite reports must have a name
Bug	APM-2189	AC - Dashboard, SEAS-NVE - not able to download Dashboard - User Compliance
Improvement	APM-2190	MC, Executer/owner GUI
New Feature	APM-2191	MC, send mails
New Feature	APM-2192	MC, create checks job
Improvement	APM-2193	MC, Control GUI
Improvement	APM-2194	CLONE - AC - Possibility to Search on tabs - Critical Roles, SoD roles, Critical Tcodes and SoD functionalities
Bug	APM-2195	UM, robot detector dashboard job
Improvement	APM-2197	MC, Executer/owner GUI additions
Improvement	APM-2198	MC, Control page GUI, additions
Bug	APM-2199	Engine and Workflow notification issues
New Feature	APM-2200	common, license check service
Improvement	APM-2201	MC, Control page GUI, additions 2
Improvement	APM-2204	MC, Control page GUI, additions 3
Bug	APM-2205	AC Reports report fails - If 'Risks' are not filled out and Summary is marked.
Improvement	APM-2206	AC, prev.check log should able to show ALL checks (also empty)
New Feature	APM-2208	MC, Change Log page
New Feature	APM-2209	MC, logging changes to Controls
Improvement	APM-2211	MC, Owner/Control GUI - show only submitted responses
New Feature	APM-2212	AC, language settings
Improvement	APM-2213	MC, Change Log GUI - remove actions
Improvement	APM-2214	MC, Control GUI, Controls tree grid
Bug	APM-2215	AC, roles not assigned when using CUA
Bug	APM-2216	Roles not assigned to users after approval Workflow
Improvement	APM-2217	APM - Project setup - Assigning APM roles to users - ability to choose all users and assing all roles. (SEAS-NVE)
Bug	APM-2218	APM TC error correction is broken in SAP 7.40 SP-level 16 or higher

Issue Type	Issue key	Summary/Description
Improvement	APM-2221	MC, Control page GUI, additions 4
Improvement	APM-2222	MC, Executer GUI, comments grid 2
New Feature	APM-2223	MC, upload/download new page
New Feature	APM-2224	MC, Upload/Download page - Download template
New Feature	APM-2225	MC, Upload/Download page - Download controls
New Feature	APM-2226	MC, Upload/Download page - Upload controls
Improvement	APM-2227	AC, settings page - cleanup
Improvement	APM-2228	AC, Risk pages, Authorization of functionality
New Feature	APM-2232	MC, Dashboard service
Bug	APM-2233	AC - Translation to danish is missing in Status - AC Legacy Approval
Improvement	APM-2234	MC, bug fixes and GUI consistency
Bug	APM-2235	APM - Create user from APM project setup in I65/800 not possible
Bug	APM-2236	APM tree in APM v1 is returning an empty system in the overview
Bug	APM-2237	MC, Control page can create controls with same name in the same group
Bug	APM-2238	MC, Control page, Edit control does not work
New Feature	APM-2240	MC, dashboard page
Bug	APM-2242	MC - Control tab - Can delete a Group, even though there are controls attached.
Bug	APM-2243	MC - Control tab - Can delete a Control even though the control is Active
Bug	APM-2244	MC - Upload/Download tab - When uploading - Groups created but not Controls
Bug	APM-2245	MC - Execute Control - It is not possible to display added responses
Bug	APM-2249	APM: APMTEST paging does not work after testing a tcode
Bug	APM-2250	MC - Execution - When attaching files a pop-up appear - 'File download' screen opens up, with JSON..
Bug	APM-2251	MC - Execution - When attaching files a pop-up appear and it is uploading endlessly
Bug	APM-2252	MC - Check Admin - It should be possible for the approver to approve/Reject
New Feature	APM-2253	MC, Dashboard, Awaiting Approval
Bug	APM-2254	UM dashboard traffic light does not react correctly
Bug	APM-2256	AC Approval of risk containing already assigned roles, fails
Bug	APM-2257	UM Error when adding SU01 license category to UM license category
Improvement	APM-2258	MC, Control and Check more data: days and due date
Improvement	APM-2259	MC, Check Scheduler - send mails when check is overdue
Improvement	APM-2260	MC, new GUI executer / owner
New Feature	APM-2261	MC Dashboard, Awaiting Approval
New Feature	APM-2262	MC Dashboard, Overdue Checks
New Feature	APM-2263	MC Dashboard, Findings
New Feature	APM-2264	MC Dashboard, Page split with hidden boards from last year
New Feature	APM-2265	MC Dashboard, Findings - Last year
Bug	APM-2266	AC: Legacy background job does not register "SOD role" risks
Bug	APM-2268	APM - Multiview is displayed in APMSU53 - Multiview Role is not assigned
Bug	APM-2269	MC - Upload/Download tab - When uploading - Test mode no error, when upload then error
Bug	APM-2270	MC - Control tab - Adding Executer and approver - Button called 'Use selected'
New Feature	APM-2274	MC, Settings page
New Feature	APM-2275	MC, Setting "Notifications"
Bug	APM-2276	MC - Active/Deactivate a control is not possible in some cases, and when editing the control it is loading

Issue Type	Issue key	Summary/Description
Bug	APM-2277	MC - Header - Positive should be renamed to Findings
Bug	APM-2278	MC - Execution - Adding documentation cause loading, and loading.
Bug	APM-2279	MC - Execution - As an executor It is not possible to display status on the Control Screen
Bug	APM-2280	MC - Execution - as an approver it is not possible to display status on the Control Screen
Bug	APM-2283	MC, Control datatypes fall short
Bug	APM-2284	MC, Check Reponse File class cleanup
Bug	APM-2286	IC - Control Execution - It is not possible to save documentation and close the window.
New Feature	APM-2288	MC, Controls change executer on check
New Feature	APM-2289	MC, Controls - change owner on check
Bug	APM-2290	IC - Control Execution - When i add documentation (after previous rejecting a control) - i the button to close/Save is called Rejected
New Feature	APM-2291	MC, Reports - new page
Bug	APM-2292	AC: Pending overview - Activities are assigned to the wrong icon
New Feature	APM-2293	MC, Reports - content
Bug	APM-2294	AC - Email adress in AC settings is not used when sending out emails for approvals
Bug	APM-2297	IC - When Creating af Group - the Group hiraki is displayed twice.
Bug	APM-2298	IC - Editing or deleting a Group - not active
Bug	APM-2299	IC - Editing or deleting a Control - not active
Bug	APM-2300	IC - Activate and deactivate a Control - not active
Bug	APM-2301	IC - Control details are empty
Bug	APM-2302	IC - The Control execution documentation is displayed twice in /APPLISOL/MC
Bug	APM-2303	AC: Roles disappear in view after approver has been maintained in SOD role risk
Bug	APM-2304	About page
Bug	APM-2305	AC Dashboard - User Compliance - Not able to save details to file
Bug	APM-2307	APM - Searching for Roles in Rolemanagement - the search stops/turn up empty
New Feature	APM-2308	MC, Reports - content specified
Bug	APM-2309	AC - Mails are not sent to approvers in certain circumstances
Bug	APM-2311	APM - Tcode selection/management, two column header is empty
Bug	APM-2312	APM - Selecting roles for project, not all roles are added to project
Improvement	APM-2314	AC - Adding a functionality to a risk, no tree is visible
Bug	APM-2315	AC - Settings - It is possible to create empty message
Improvement	APM-2317	AC Dashboard Most occuring risks - reports should only be generated for chosen languages
Bug	APM-2319	APM - Advanced search in project screen the fields Client/System/Status returns no result.
Improvement	APM-2321	ABAP - Package for auth. objects need to change name and software component
New Feature	APM-2323	MC, Controls - cancel check
Improvement	APM-2324	MC, Dashboard, Findings per month
Improvement	APM-2326	IC - Check box for GDPR, including textbox, which appears if checkmark is set.
Improvement	APM-2327	IC - Overdue Controls - Text should be red - Both in Approver and in Executor screen
Improvement	APM-2328	IC - Executer should have the option to get closed Controls displayed
Improvement	APM-2329	IC, tcode change to activate the various screens
Improvement	APM-2330	IC, mail content redesign
New Feature	APM-2331	IC, Notification settings - Send mail on response
Improvement	APM-2332	IC - Check mark for 'Approval not relevant' on the control master - And a submitted control gets auto approved
Bug	APM-2333	IC - Executor and Approver Screen - Name of Control is empty in 'Controls'

Issue Type	Issue key	Summary/Description
Bug	APM-2334	IC - Spelling error in Report tab
Bug	APM-2335	IC - Overdue Controls is red - It should turn red the day after, duedate
Bug	APM-2336	IC - Tab Upload/Download button is not working.
Bug	APM-2337	IC - Tab Report - Upload/Download, Not able to download executed controls when other number than '0' in done
Bug	APM-2338	IC- In the approver screen The PARK button is inactive
Bug	APM-2339	IC- In the approver and Executor screen the Status icon should be visible
Improvement	APM-2340	IC - Redesign the layout of Control Download
Improvement	APM-2341	IC - Control tab, New Field - Ref. to Risk (Now only text, but later version link to Risk in Access Control
New Feature	APM-2342	MC Dashboard, Findings, Active Controls, Awaiting Approval, Overdue check - Last year
Improvement	APM-2344	UM background job, performance on usage
Improvement	APM-2346	IC - Linking the Control to a Risk - (Link to Risk in AC - in not AC just manuel text field)
Improvement	APM-2347	IC - Save button is inactive - when creating a control
Improvement	APM-2348	IC - When uploading a Control, no error message and no result
Improvement	APM-2350	IC - new field, content should be created in settings tab, and chosen in the control master
Improvement	APM-2351	IC - New field called 'Dependencies' on the Control
Improvement	APM-2352	IC - Frequency - six-monthly
Improvement	APM-2353	IC - Subgroups - It should be possible to create subgroups
Bug	APM-2354	New APM performance & Script loading issues
Bug	APM-2355	IC - Approver and Executor screen both show Controls for execution
Improvement	APM-2356	IC - New field: Start date - (Together with Frequency should decide this and next deadline)
Improvement	APM-2357	IC - Create Approver/Substitute in setting tab - And assign them to a Control
Improvement	APM-2358	IC - Reports Download Controls (Executed/Rejected/Returned etc. to and Excel file - Each field in each column
Improvement	APM-2359	IC - Dashboards - Should be possible to download/View details in Excel/Onscreen
Bug	APM-2360	IC - Status Icon for Rejected and Cancelled control should be the same as in the button
New Feature	APM-2362	AC, sod_func, define activity by service
Bug	APM-2365	UM dashboard recalculation in UMSETUP does not include all relevant dashboards
Bug	APM-2366	Dashboard "High Tcode Activity" does not work with setting "minimum hits" for display
Improvement	APM-2367	APM -Assign and remove 1-Clickrole, APM projectrole, and APM testcontainer to added user at once, not in three different buttons/Clicks
Bug	APM-2368	IC - All fields in the Control should be possible to Upload/Download both in Download template and download Control
Bug	APM-2369	IC - In approver and Executor screen there is no timestamp when status is changed
Bug	APM-2370	IC - No entry in Control documentation when using Park and Submittet to approval
Bug	APM-2376	AC, Create risk does not work
Bug	APM-2377	AC - S4/Hana - When adding activities containing S_START AC just keeps on loading - No result is added
Epic	APM-2378	S4/HANA adjustments in ComplianceNow Suite
Bug	APM-2379	AC - S4/Hana AC - When choosing a functionality - No details is displayed in functionality details
Improvement	APM-2380	Clone NPY - IC - Display the relevant version of Control definition in the executor and approver screen
New Feature	APM-2386	IC, Display page create
Bug	APM-2388	Create a IC parent/Master group is not possible
Bug	APM-2389	IC - It is not possible to inactive a Control

Issue Type	Issue key	Summary/Description
Bug	APM-2390	IC - Two fields are missing in the control Details
Bug	APM-2391	APM - Issue notification script does not work
Bug	APM-2392	AC, crit_tole cannot create risk
Bug	APM-2393	AC, crit_tcode - searching for tcodes gives no results
Improvement	APM-2394	IC, controls page, show control name in text column
Bug	APM-2395	AC, settings, Languages, Dashboard reports have no settings
Bug	APM-2397	IC - Executor and Approver Screen - Show Closed
Improvement	APM-2400	AC, Reports - role analysis only assigned roles option
Bug	APM-2401	MC, groups - reload groupstore after changes to groupstore
Bug	APM-2402	IC, rename group makes GUI crash
Improvement	APM-2403	IC, create control should select the newly created control
Improvement	APM-2404	IC, controls page, changes after edit not updated in details
Bug	APM-2405	IC, approver email
Bug	APM-2406	IC, Approver creation depends on um_user
Bug	APM-2407	IC, new subgroups are hidden after creation
Bug	APM-2408	IC, reminder mails
Bug	APM-2409	IC, Dashboards, Findings board
Bug	APM-2410	IC, Controls, edit control group change crash
Improvement	APM-2411	IC, Email subjects and titles
Bug	APM-2412	IC, reports, empty columns controls and done
Bug	APM-2413	IC, approver/executor screen, grid content
Bug	APM-2414	IC, dashboard excel files
Improvement	APM-2415	IC, settings - rename MC settings to IC settings
Bug	APM-2416	IC, Upload controls leaves controls inactive
Bug	APM-2417	IC, settings, approvers has no use indication
Bug	APM-2419	IC, approver/executor screen, approval after changing executor or approver is not possible
Improvement	APM-2420	APM, projects, testresults have problems loading
Bug	APM-2421	IC, controls, changing executor or approver is not updated
Improvement	APM-2422	IC, mail design, touch up
Improvement	APM-2423	IC, refactor tables
Bug	APM-2425	IC, Upload controls creates an empty location
Improvement	APM-2426	IC, Executor mails combine for same day
Improvement	APM-2427	IC, Approver is the only word
Bug	APM-2428	IC, please consider various text containing MC and use IC
Improvement	APM-2429	MySQL 8+ update, last statement
Bug	APM-2431	IC - 2 - Settings - Executor/approver delete - Undefined
Bug	APM-2432	IC - 6 - Change log is updated even though no fields are changed.
Bug	APM-2433	IC - 11 - Dashboard does not display the amount when 'mousing over'
Bug	APM-2434	IC - 12 - Search in Control tab - provides no results
Bug	APM-2435	IC - Tab Report - Upload/Download, Not able to download executed controls to PDF - Nothing happens
Bug	APM-2436	IC, PDF documents
Improvement	APM-2438	IC, German translation
Improvement	APM-2439	IC, French translation
Improvement	APM-2440	IC, derived controls

Issue Type	Issue key	Summary/Description
Improvement	APM-2441	IC, settings, approver / executers add specific Location
Improvement	APM-2442	IC, settings, System/Location
Improvement	APM-2443	IC, settings, new page Locations
Bug	APM-2444	AC upload of ruleset does not work in SAP GUI 7.40
Bug	APM-2445	IC, Report - 'Download all as excel' - Control ID missing and email should be removed
Bug	APM-2446	IC, Report Tab ' Control definition display - email should be removed
Bug	APM-2450	Not possible to activate "High tcode usage" (Robot detector)
Improvement	APM-2455	IC, approver/executer screen, control details
Improvement	APM-2456	IC, Dashboard, Active controls
Bug	APM-2458	IC - Purpose and description is very closed together in Control details.
Bug	APM-2459	IC - It is not possible to remove the last area, if you added it to a Control
Improvement	APM-2460	IC, approver/executer screen, details text
Improvement	APM-2461	IC, controls screen, control details
Bug	APM-2462	IC, controls page, System_Location store always empty
Improvement	APM-2463	IC, dowload/upload - extra column Derived
Bug	APM-2464	IC, approver screen, possible to approve returned item
New Feature	APM-2465	IC, new pane "Audit Objectives"
Bug	APM-2466	IC, settings, Areas - it it possible to create multiple areas with the same name
Bug	APM-2467	IC, controls screen, group management
New Feature	APM-2468	IC, Corporate risks, CRUD risk
New Feature	APM-2469	IC, corporate risks, associating controls
Epic	APM-2470	Regression Test 2019 Q3
Bug	APM-2471	APM: Project setup: Tcode selection button: Does not show any tcodes
Bug	APM-2472	APM: Project setup: Create users button: Creating an already existing user freezes window
Bug	APM-2473	APM: APMTEST: Report authorization error makes the application crash
Bug	APM-2474	APM: Projects: Project overview: Test details icon does not show results of test
Bug	APM-2475	APM: Issues: Changing issue details makes the application close after saving
Bug	APM-2476	APM: Issues: If role analysis returns no roles the request never ends and APM fails/crashes
Bug	APM-2477	APM: Projects: Check Local system/client does not work after new project is saved
Improvement	APM-2478	IC, Corporate Risks, changing group to category
New Feature	APM-2479	IC, Corporate Risks, Grid columns
Bug	APM-2482	UM: Dashboards: High tcode activity: Initial data load is empty
Bug	APM-2483	UM: dashboards: High tcode activity: Enlarge icon does not work
Bug	APM-2485	UM: Reports: "Only usage" report fails shortly after being executed
Bug	APM-2486	UM: Role journal: search fails when checking "Show composite roles only"
Bug	APM-2487	UM: Role journal: PDF generator is stuck in status "Updating"
Bug	APM-2489	UM: UMSETUP: List of ignored roles does not count correctly
Bug	APM-2490	UM: UMSETUP: Ignored roles list behaves weird if removing 1 role from the second page.
Bug	APM-2491	UM: Role journal: reset search criteria does not work in advanced search.
Improvement	APM-2492	IC, display_details page
Improvement	APM-2494	IC, Download Risks and template
Improvement	APM-2496	IC, Download Areas and template
Improvement	APM-2497	IC, Upload areas

Issue Type	Issue key	Summary/Description
Bug	APM-2498	UM: Usage Collector - Initial run fails with timestamp error
Bug	APM-2500	SQL scripts fail during upgrade
Bug	APM-2501	AC:Risks: Update rule text does not disappear after risk is saved
Bug	APM-2502	AC: SoD Roles: Duplicate risk keeps loading and never finishes duplicating
Bug	APM-2503	AC: Sod func: Duplicate risk does not include functionalities
Bug	APM-2504	APM: Project setup: Add-roles to user keeps loading and never finishes
Bug	APM-2507	APM: Project setup: tcode selection: "Add tcodes" button is not activated after selecting tcodes.
New Feature	APM-2508	AC - S4HANA objects in Access Control URT transfer
Bug	APM-2511	APM: Email script does not work with ioncube
Bug	APM-2512	UM: Reports: Cancel queued report fails
Bug	APM-2515	IC, Corporate Risks, controls can only be attached to one risk
Bug	APM-2516	AC: SoD Roles: Not possible to create group when defining risk
Bug	APM-2517	APM: APMSU53 returns language error message
Improvement	APM-2518	AC, legacy risks, include ALL reaction types in legacy
Improvement	APM-2519	AC, Legacy Screen is slow and faulty
New Feature	APM-2520	IC, Upload derived control and area specific information
Bug	APM-2522	AC/IC: Upload/download log files are placed in the wrong folder in the web server
New Feature	APM-2524	APM, projects
New Feature	APM-2525	APM, responsables
New Feature	APM-2526	APM, issues screen
Bug	APM-2528	IC, Dashboards, Active Controls showing zero
Bug	APM-2529	Blogs are no longer read from the ComplianceNow website after moving the website
Bug	APM-2530	IC, Dashboard, findings details show approval date not finding date. Show both.
Bug	APM-2531	IC, Dashboard, Overdue checks count and Overdue details document does not match
Bug	APM-2532	IC, Dashboard, Overdue checks details both on screen and document shows only checkID. It should show controlId-checkId
Bug	APM-2533	IC, Dashboards, finding details only shows check id not controlId-checkId as it should
Bug	APM-2534	IC, Dashboard show January findings this year as February
Bug	APM-2535	IC, controls page, Active column on derived controls should show number of active areas eg 2/3
Bug	APM-2536	AC - Add activity returns error
New Feature	APM-2538	Enable cli_db_install.php to show path of apm.ini file using action=show
Improvement	APM-2539	IC, Derived checks needs to show Area in Control name
Improvement	APM-2542	IC, settings Approvers, Download / Upload
New Feature	APM-2543	IC, check archive page
Improvement	APM-2544	IC, check archive, split dialog from checks
Improvement	APM-2545	IC, check archive, paging and search
Improvement	APM-2546	IC, check archive, save user column choices
Improvement	APM-2547	IC, controls page, move functionality from reports page
Bug	APM-2548	IonCube issue with upload of historical UM data
Bug	APM-2551	IC - Changing Approver and/or executer on a control master, should not affect closed checks/controls
Bug	APM-2552	All mails should include information about system & client
New Feature	APM-2553	IC, Download / Upload Controls
Bug	APM-2554	IC, Upload approver / Executer
Improvement	APM-2556	IC, Danish translation

Issue Type	Issue key	Summary/Description
Bug	APM-2557	IC, Executer over due mails frequency
Bug	APM-2558	CNS, page license check not consistent
Improvement	APM-2561	IC, approver / executer screen should use standard display details
Improvement	APM-2562	UM, MySQL injection prevention
Improvement	APM-2563	UM, XSS injection prevention
Bug	APM-2565	AC, legacy risk search options doesn't work
Bug	APM-2566	AC: Folder "Unassigned" is editable and is not translateable in edit functionalities
Improvement	APM-2567	AC, legacy risks, details show duplicate entries
Bug	APM-2568	AC, sod_func, cannot add funcs more than once in same add session
Improvement	APM-2569	AC, legacy management, sending multiple workflows to approval result in too many mails
Improvement	APM-2570	IC, approver / executer search
Bug	APM-2571	APM, Issues, Update of APM SU53 issue list triggered executing TCD: APM_SU53.
Bug	APM-2572	APM: Create SU24 work task is not working in 'Issue screen'
Bug	APM-2573	AC: Download current activity definitions
Improvement	APM-2574	IC, Confirmation on Delete Risk
Bug	APM-2575	IC, dashboard, multiclient systems show findings from other clients
New Feature	APM-2576	AC, settings, AC Dashboard settings
Bug	APM-2577	APM: Issues: Changing status fails if linked to similar issue
Bug	APM-2578	APM, Reference to field 'External Issue no.' is not maintained
New Feature	APM-2579	IC, Control Archive, Download check
New Feature	APM-2580	IC, Control Archive, Download check (files)
Improvement	APM-2583	CNS, AC UM Dashboard loads are scheduled automatically after URT
New Feature	APM-2584	APM: Display authorization issues with access filtering indicator
Improvement	APM-2585	AC, reports - make RAM or CSV report first then convert to XLSX
Bug	APM-2594	APM: Show issues that are not in a APM project
Improvement	APM-2595	AC; Export reports in .csv-format
Improvement	APM-2596	CN, About page - make banner links work
Improvement	APM-2597	Dataretention (dataadmin settings), Usage data
Improvement	APM-2599	APM; Set responsible (and clear-out value/text)
Improvement	APM-2600	APM; Mail subject/content should be included in mail sent to 'Test User'
Bug	APM-2601	IC, executer, upload file fails
Improvement	APM-2602	APM; New column in issue list. Field [Access Filter] should be available in list of possible selections
Improvement	APM-2603	Make new APM the default APM version. Change parameter feature.apm_v2
New Feature	APM-2604	IC, risk download
Improvement	APM-2605	CN, scheduler job should be able to schedule for all schemas in hosted environment
Improvement	APM-2608	IC - Control Archive - Download PDF - 'Name and Created by is on top of eachother''
New Feature	APM-2609	AC, user-risk relation report
Bug	APM-2613	IC - Upload
Bug	APM-2614	IC - Enterprise Risk, it is only possible to associate 1 control if you add one more the first one is gone.
Bug	APM-2617	IC - /APPLISOL/ICDISPLAY - Internal Control - When using Tcode - Page is not found.
New Feature	APM-2620	APM, Issue list, save column on/off choices
Bug	APM-2626	CLONE - PFCG/APM/AC - Not possible to generate roles in IO1
Bug	APM-2635	T.C restrictions

Issue Type	Issue key	Summary/Description
Bug	APM-2636	APM - 2 issues are reported by APM SU53 due to old event + new service
Bug	APM-2641	AC; Load of functionality details -
Bug	APM-2684	CN IC keeps loading, when trying to upload/add a file in /APPLISOL/ICCONTROL - IC - Execute control
Improvement	APM-995	It would be nice if the names of the 2 functionalities in an SoD Func risk were always available when maintaining risks and when reporting on risks (source Donnie)

Version 5.2.1

Issue Type	Issue key	Summary/Description
Improvement	APM-1339	Make add-on uninstalleable (AAK 5.0)
Improvement	APM-1760	APM ATT translations for DA, DE and FR
Bug	APM-1764	APM - New SU53 shows the previous authorization error of the other user instead of the logged on user
Improvement	APM-1791	GUI, APM projects screen
Improvement	APM-1793	APM, System landscape page
New Feature	APM-1795	APM, issues screen
New Feature	APM-1797	Analyze issue screen
Improvement	APM-1798	DA translations
Improvement	APM-1802	Perform task immediately
Improvement	APM-1816	Use RFC connections on issues screen
Bug	APM-1819	UM Role Journal org. level
New Feature	APM-1847	Projects, manage users
New Feature	APM-1855	User management, create user per role
New Feature	APM-1868	Issues, action log details correct showing
New Feature	APM-1870	Worktasks, list worktasks
Improvement	APM-1874	AC, mails, improved logging
Improvement	APM-1877	projects, manage roles, convert to tmp tables and check AC license
Improvement	APM-1883	CNSuite About page
Improvement	APM-1885	APM projects, inputs that cannot be changed should not be selectable
New Feature	APM-1887	APM Project Overview
Improvement	APM-1888	APM issue list adjustments
Bug	APM-1889	APM issue list show SAP standard roles
New Feature	APM-1891	Issues, similar issues, link similar issue to an issue
Improvement	APM-1892	APM issue RFC pop-up information
New Feature	APM-1894	System Landscape, manage responsables
New Feature	APM-1895	System Landscape, manage TC restrictions
Bug	APM-1896	Projects, manage users, paste in usernames
Improvement	APM-1897	Projects, update project info after project setup
New Feature	APM-1898	Projects, manage users, possibility of adding, changing and removing an email address on a test user
New Feature	APM-1899	Projects, manage users, send mails to mail addresses in project
Improvement	APM-1900	Issues, speed up issues store
New Feature	APM-1902	Testpage
Bug	APM-1903	Issues, change status changes to test instead of in_test
New Feature	APM-1904	Projects setup, add test comments to tcodes
Bug	APM-1905	APM issue list - Issue details is only loading but doesn't show up
Bug	APM-1907	AC preventive check is displayed but showing nothing
Bug	APM-1908	APM redesign search in issue list
New Feature	APM-1909	Testpage, comments from testers
Improvement	APM-1910	Projects, manage users, update tcodes should be faster
Bug	APM-1911	Projects, manage users, created testusers get project role and one click by default
Improvement	APM-1912	APM redesign - role list is not updated, when user name is pasted
Bug	APM-1913	new SU53, user is sometimes changed when changing timeperiod

Issue Type	Issue key	Summary/Description
New Feature	APM-1914	Projects, manage users, add multiview role to users
Improvement	APM-1918	New SU53, changes
Bug	APM-1919	KMD, current problems at the KMD installation
Bug	APM-1920	APM redesign - Cannot remove email address of notification from and to at System landscape
Improvement	APM-1921	all pages, resize areas so user can choose area size
Improvement	APM-1922	Grids, Enable text selection where needed
Bug	APM-1923	APM redesign - new test screen
Bug	APM-1926	APM redesign - role selection X-large serach
Bug	APM-1928	APM projects hidden/filtered auth. objects still shows for test users
Bug	APM-1930	APM Project and tcode Overview
Bug	APM-1931	worktasks, something wrong
Support	APM-1934	I65 very slow
Bug	APM-1935	Usage_collector is sending empty data chunks - not needed
Bug	APM-1937	APM redesign - Similar issue
Improvement	APM-1938	APM redesign - Open and overdue button
Bug	APM-1939	Projects, project setup screen sometimes crashes
Bug	APM-1941	APM redesign - OneClick tkode
Improvement	APM-1942	CNS Config file default parameter documentation
Improvement	APM-1943	CNS, MySQL has gone away
Improvement	APM-1944	CNS, correct return and params types
Improvement	APM-1945	AC, dashboard analysis should not include locked or expired users
Bug	APM-1947	APM ATT has never stopped if there is any matching restriction
Bug	APM-1948	APM, Issues are created twice
Improvement	APM-1949	APM, project setup, tcode selection is slow
New Feature	APM-1950	APM, system landscape, manage logon button
Improvement	APM-1956	UM, Licens categories page, improve layout
Improvement	APM-1959	APM, project screen, disable ATT btn if logged on sys_cli does not match project
Bug	APM-1960	locate common missing gfx
Bug	APM-1964	AC, cannot delete a risk
Bug	APM-1965	AC Dashboard data health indicator in about page shows wrong date
Bug	APM-1968	AC, mem threshold lowered by a third
Improvement	APM-1971	UM, dashload optimization
Improvement	APM-1972	UM, License dashboard, choose system/client
New Feature	APM-1973	UM, license categories settings page
New Feature	APM-1974	UM, license categories cross client overview page
Bug	APM-1979	APM - Deselect all users are active when no users are selected.
Bug	APM-1980	APM Issue screen - when you change status - Add comment and SU24 task are inactive
Bug	APM-1981	Ciber text still occurs in various titles on screen and documents
Improvement	APM-1986	UM, dashboards, GUI update and padding
Improvement	APM-1987	BETA release
Bug	APM-1988	APM Issue tab - Changing status on Parent Issue - Screen is empty and turns gray.
Bug	APM-1989	APM Issue TAB - When you link similar issues a pop-up is display ' Error code 5)
Bug	APM-1990	AC, reports, role analysis reports fail instantly
Bug	APM-1991	Project setup - No Update amount in the field 'Assigned'
Improvement	APM-1992	Create users setup - Is it possible that the entered PW is Remember for the next user

Issue Type	Issue key	Summary/Description
Bug	APM-1993	Report - Change colour in total line in report
Improvement	APM-1995	Project overview - Copy username from list
Bug	APM-1996	Tab projects - check mark one-click is set, but one click role is not assigned
Bug	APM-1997	APMSU53 - Multiview is available without the role is assigned to the user
Bug	APM-1998	APM test screen - Accept not accept
Bug	APM-2002	Issue screen - Local system/Client display CDE issues when you are on N01
Bug	APM-2004	APM Issue tab - Status is not updated right after you created Worktask or/and Executed Work task
Bug	APM-2005	Worktask tab - Status not updated right away when you have executed SU24 task
Improvement	APM-2006	APM, worktasks, list does not show project
Improvement	APM-2009	Issue tab - Create WT and execute Worktask directly twice will give you an error
Improvement	APM-2010	DA translation
Improvement	APM-2020	Add correct SAP certification logo to about page
Improvement	APM-2021	Excel2JsonUsageDataConvertor
Bug	APM-2023	APM - Multiview - when you click 'CD' the user is set to undefined.
Bug	APM-2028	Project management, user search, empty search result never finishes

Version 5.2.0

Issue Type	Issue Key	Summary/Description
New	APM-1804	PWR: Password reset tool included in the add-on
Improvement	APM-1874	AC: Improved logging of mails sent in Access Control
Improvement	APM-1867	All delivered /APPLISOL/ roles have been renamed to the APPLISOL naming convention. Transaction codes within roles have been renamed to reflect Suite namechange to ComplianceNow.
Improvement	APM-1864	Add-on has been packaged with SAP Add-On kit 5.0, allowing the add-on to be uninstalled.
Improvement	APM-1861	New uninstall class has been implemented to support the add-on uninstallation process.
Improvement	APM-1838	AC: ABAP now identifies whether a role assignment is new, rather than wait for the data collectors to transfer changes to role assignment.
Improvement	APM-1821	Language translations into English, German, French and Danish
Improvement	APM-1783	ComplianceNow download page layout has been re-designed
Improvement	APM-1753	AC: Logic for determining email address of risk approvers has been changed to read email address field from SU01 in SAP or alternatively use the email address defined in AC.
Bug	APM-1871	AC: The preventive check shows a risk only once even though the risk is removed and reassigned, and an approval is required again.
Bug	APM-1863	UM/AC: Usage data collector collects usage data from all clients of the SAP system at the same time. Now usage data is only sent from the client where the collector is executed.
Bug	APM-1852	PWR: Password reset tool modified to work in a CUA landscape
Bug	APM-1843	AC: When Access Control is installed in a CUA landscape the application fails if user is assigned roles in a system without the CNSuite add-on. The application can now identify systems without an add-on installed and react accordingly.
Bug	APM-1832	UM/AC: Usage data collector dumps on a S4HANA (1709) system. The function lock module used has been replaced by SAP, causing the error.
Bug	APM-1831	AC: Preventive check analysis shows already existing risk as a new risk if a new role is assigned which would normally trigger the already assigned risk.

Version 5.0.6

- NEW: About page with tailored news content and links to documentation
- NEW: APM - Mass status change of issues
- NEW: APM - Support for CRM
- NEW: UM - Download Role Journal data in Excel
- NEW: AC - Support for defining SoD Functionality risks with 3 or more functionalities
- IMPROVED: AC - Workflow: administrator can cancel a workflow
- IMPROVED: AC - Report output as Excel instead of CSV
- FIXED: A large number of bugs

Version 5.0.5

- FIXED: When selecting users into APM project, if users have a large number of tcodes assigned, then the data collection takes too long to complete
- FIXED: UM lic. cats.: It is possible to delete the Unassigned category
- FIXED: APM - Unable to generate test container profile on SAP_BASIS 7.40 SP13
- FIXED: APM select users does not register user's roles, so they are not included in project
- FIXED: AC - Prev check crashes on user delete in SAP_BASIS 7.31+
- FIXED: UM auth. dashboard: "Users with no activity" list includes deleted users
- FIXED: AC SoD Functionalities: downloaded risks that are uploaded to a different system or client will overwrite the original risks
- IMPROVED: UM authorization dashboard
- IMPROVED: APM - Check for new tcodes performance
- IMPROVED: AC - "Manage Functionalities" usability greatly improved
- IMPROVED: Performance of UM and AC data collector

Version 5.0.4

- FIXED: Unable to generate APM test container profiles in SAP_BASIS 7.40 SP13 and newer
- FIXED: AC preventive check short dump when deleting users in SAP_BASIS 7.31 and newer

Version 5.0.3

- NEW: AC access approval workflow
- NEW: UM report option "Show month of last usage" which adds report column showing the month of last usage for each row
- NEW: AC/UM reports: option to exclude locked and/or expired users
- NEW: AC - Enable maintenance of existing risks' attributes when uploading
- IMPROVED: AC dashboard analysis should not consider locked or expired users
- IMPROVED: AC preventive check now also works in conjunction with CUA
- IMPROVED: AC settings screen for maintaining approvers and messages
- IMPROVED: UM authorization dashboard no longer requires Adobe Flash in the browser
- IMPROVED: APM - Add "Check for new tcodes" button to individual role screens under "Select tcodes for test"

- IMPROVED: AC/UM data collector only marks users as locked if they are locked by administrator and not when they are locked due to incorrect password logon attempts
- FIXED: AC/UM data collector does not include roles assigned indirectly via HR
- FIXED: APM Test Container update is broken in SAP_BASIS 7.40 SP10
- FIXED: AC/UM data collector runtime is unacceptable especially for very large (user count) installations
- FIXED: APMSU53 registers wrong tcode for certain transactions, e.g. SA39 for F.20
- FIXED: Logon prompt appears in APM tcodes but for default client instead of current client
- FIXED: AC preventive check can be triggered by tcodes other than SU01 and SU10 (e.g. CRAV)
- FIXED: In CUA master client, data collector incorrectly includes users who have only been created in remote systems
- FIXED: APM Test transaction does not work in SAPGUI 7.40
- FIXED: AC/UM - after a single role, that is causing a risk via a composite role, is removed from the composite, the report still shows the risk
- FIXED: UM reports can have rows with empty tcode field
- FIXED: AC - In SU10 preventive check, all risks are shown as new, even when some are pre-existing
- FIXED: UM - License Dashboard usage calculation is incorrect due to faulty date arithmetic
- FIXED: UM License Dashboard, Non-compliant users list shows users as "No usage" who should be shown as "WebDynpro only"
- FIXED: UM License Dashboard graphs appear to be missing data (showing 0) for the last day of every month

Version 5.0.2

- NEW: AC preventive check log including access to uploaded documentation
- NEW: AC Mobile Dashboard app (beta)
- NEW: Dedicated tcode to perform SU53 one-click reporting and correction
- IMPROVED: CCS Web Application now runs on PHP 5.6
- IMPROVED: Performance and stability of UM report generator
- IMPROVED: AC upload
- FIXED: UM reports did not include historical usage data
- FIXED: Groups and Functionalities appeared twice in Manage Functionalities
- FIXED: AC risk history pop-up is larger than window in some cases
- FIXED: Role selection in APM sometimes hangs
- FIXED: Numerous minor bugs in APM, UM, and AC

Version 5.0.1

- FIXED: Short dump when AC preventive check is triggered by IDoc processing
- FIXED: AC preventive check BAdI not included in add-on package for SAP_BASIS 7.40

Version 5.0

- NEW: Add-on renamed "Ciber Compliance Suite"

- NEW: Access Control and Usage Monitor now speak German
- NEW: Usage Monitor reports on raw usage data, i.e. without regard to role assignments
- NEW: Emergency User Access tool is now included in the add-on and available for purchase without additional installation tasks
- NEW: Preventive check log in Access Control
- IMPROVED: Access Control user interface responsiveness
- IMPROVED: Role Journal user interface responsiveness
- IMPROVED: Performance of Access Control analysis engine, resulting in faster reports and dashboard calculations
- IMPROVED: Usage Monitor report generator back-end has been re-designed for significantly improved performance
- IMPROVED: Usage Monitor no longer requires the Infobright ICE database on the web server – ICE is therefore obsolete and may be uninstalled
- FIXED: Numerous minor bugs in APM, UM, and AC

Version 4.0.6

- NEW: “One-click” authorization error correction in APM projects
- IMPROVED: AC now also supports preventive check when changing composite roles
- IMPROVED: AC preventive checks when generating derived roles
- FIXED: Unnecessary preventive check was performed when deleting role in PFCG
- FIXED: Various bugs in AC
- IMPROVED: Memory use and error handling in web server background tasks
- IMPROVED: More consistent colors in license category slices in UM dashboard
- IMPROVED: APM reports at the issue level now optionally include Description and Comments

Version 4.0.4 – 4.0.5

- NEW: Ciber Access Control

Version 4.0.3

- NEW: Support for SAP’s new SU53 functionality in APM
- FIXED: Various issues with web server background tasks
- FIXED: Usage Data Collector performs authorization check to avoid anonymizing user data

Version 4.0.2

- IMPROVED: UM Data Collector performance
- FIXED: Short dump when selecting roles in APM projects

Version 4.0.1

- NEW: UM role blacklist to exclude unused roles from dashboard calculations

- FIXED: JavaScript in APM and UM now works in IE 11 with latest SAP GUI
- FIXED: Issues with UM License Categories
- FIXED: Various UI issues in UM
- NEW: Support for web server running PHP version 5.4
- FIXED: Various minor issues in Role Journal
- FIXED: Various issues in UM Dashboard

Version 4.0.0

- NEW: Role Journal module for Usage Monitor
- FIXED: Short dump in URT collector due to uninterpretable PFCG role description
- IMPROVED: During report generation, "Preparing role selection" is extremely slow
- NEW: UM report selection based on User Group
- FIXED: Various JavaScript error pop-ups in UM
- FIXED: Various bugs in UM data collector programs
- FIXED: UM reports do not always indicate lock status correctly
- FIXED: UM reports "Alternative roles" sometimes shows the same role multiple times
- IMPROVED: UM should only consider roles that are valid for users at any given time
- NEW: "Non-compliant users count" dashboard component with detail link to user comparison table
- NEW: Option "Show e-mail address" in UM reports

Version 3.3.10

- FIXED: Short dump when selecting roles for project
- IMPROVED: Increase connection retry wait times in data collector programs

Version 3.3.9

- FIXED: Data type error in SAP_BASIS 7.30 and onwards prevents data collector from running
- FIXED: Usage Monitor "About" page incorrectly showing Dashboard Data > 48 hours

Version 3.3.8

- IMPROVED: Error handling in data collector script on web server

Version 3.3.7

- IMPROVED: Perform authorization checks in data collector programs and abort if insufficient to avoid silently collecting only a subset of data
- IMPROVED: Error handling in data collector to gracefully handle inconsistent data in SAP

Version 3.3.6

- IMPROVED: UM front-end has been overhauled and re-implemented using a new web framework for improved performance, usability and consistency
- NEW: UM “About” tab showing version information, data health, and the Applicon Solutions blog
- IMPROVED: UM now accurately models composite roles in UM reports, replacing the earlier, overly simplistic, view of composites; in particular, indirectly assigned single roles are now accurately reflected in UM
- NEW: License Dashboard showing and contrasting users’ license categorization based on SU01, role assignment and actual usage
- IMPROVED: Date selectors in UM reports now only allow entry of dates for which usage data is available
- IMPROVED: UM License Categories are now bound to an individual system/client rather than being global
- FIXED: UM no longer considers role assignments that are invalid according to the assignment validity dates
- NEW: Configuration parameter to tell UM data collector not to transfer e-mail addresses to web server
- FIXED: When starting transactions via /APPLISOL/APMTEST, not all the same authorization checks are performed as when starting a transaction from the user menu

Version 3.3.5

- FIXED: When adding test containers to multiple users in APM, one user gets several test containers (applies to SAP_BASIS 7.3+)

Version 3.3.4

- IMPROVED: New, consistent UM dashboard color scheme
- IMPROVED: Significant speed-up of UM data collector for users, roles and tcodes
- IMPROVED: Significant speed-up of several UM web server background tasks
- IMPROVED: Performance of UM report execution
- FIXED: Several minor bugs

Version 3.3.3

- NEW: UM Dashboard Component – Non-Dialog User Count
- NEW: UM Dashboard Component – Role by Role Type
- NEW: UM Dashboard Component – Roles per License Category
- NEW: UM Dashboard Component – Total Role Usage
- IMPROVED: UM Dashboard Component “Allocated roles” renamed to “Unique Role Usage”
- IMPROVED: UM Dashboard Component SAP_ALL Users now shows count by user type (Dialog, System, etc.)
- IMPROVED: UM Dashboard All Users on System now excludes locked and expired users.
- IMPROVED: UM Report selections – role selection now defaults to “Both” and role type appears more prominently in selection table.

- IMPROVED: Significant performance improvements to background tasks on the APM web server. This includes both report generation and ETL jobs.
- IMPROVED: Re-ordered Usage Monitor dashboard components so related components are adjacent and implemented consistent color scheme across all charts.
- IMPROVED: UM Dashboard Users with No Activity now displays “No recorded activity” instead of an arbitrarily high number for users where no activity has been observed.
- IMPROVED: UM report selection now has a Clear Selections button to quickly reset all selection criteria.
- FIXED: Data collector now records correct role and tcode assignments also on SAP_BASIS 7.31.
- FIXED: Mismatch between user count dashboard components.
- FIXED: Various cosmetic issues and minor bugs.

Version 3.3.2

- NEW: UM Historical Data Collector now available for collecting data as displayed in ST03
- IMPROVED: Performance of numerous web server ETL tasks
- IMPROVED: Role concept data collector performance
- IMPROVED: More flexible license handling. It is now possible to have separate expiry dates for each product (APM, UM) in a single license file
- IMPROVED: UM report execution - it is now possible for users to kill long-running reports
- FIXED: Unused tcodes dashboard counts all tcodes as unused
- FIXED: Short dump when running /APPLISOL/APMSU53 on SAP_BASIS 7.31
- FIXED: Error when saving responsible: No property exists by the name 'hostnameValidator'
- FIXED: UM dashboard details screen is too tall for low-resolution displays
- FIXED: UM report selection - when more than one filter is set, only the last filter is enforced
- FIXED: UM report selection - Tcode selections like A* work, but *N doesn't
- FIXED: Cannot delete a crashed report in UM report history
- FIXED: Various bugs related to background task execution on the web server
- FIXED: Various cosmetic issues in UM

Version 3.3.1

- FIXED: UM data collectors no longer stop when a single network communications error occurs, but retry a number of times instead
- IMPROVED: UM data collector performance using HTTP 1.1 in SAP_BASIS 6.40 and onwards

Version 3.3

- NEW: Usage Monitor – graphical dashboard
- NEW: In the UM Report History, users can now delete unwanted reports, mark favorite reports and assign names to reports
- NEW: User license category assignment in SU01 is now available in UM reports
- NEW: UM report selection allows selection of single roles, composite roles, or both
- IMPROVED: UM reports can optionally include users' first and last names
- IMPROVED: UM report selection can now indicate multiple user, role and tcode values

- IMPROVED: It is now possible to paste user, role and tcode selections from the Windows clipboard
- IMPROVED: Performance in UM user, role and tcode selections
- IMPROVED: UM Reports – ability to group by both user and tcode, yielding a report consolidated at the role level
- FIXED: Session expired errors occurring – caused by new SAPGUI 7.3
- FIXED: APM - error when navigating from Create Work Task, back to Work Task, and Create Work Task again

Version 3.2.3.2

- IMPROVED: APM has received a visual facelift
- FIXED: Background task chaining does not work correctly.
- FIXED: UM sync fails when multiple similarly-named users exist e.g. Ustav and Ústav

Version 3.2.3

- NEW: Services in support of APM mobile reporting app.
- IMPROVED: Performance for UM reporting using column-oriented database.
- FIXED: Poor performance in Issue List with very many issues.
- FIXED: It is not possible to change a project's start date.
- FIXED: Incorrect timestamps displayed in issue list.

Version 3.2

- NEW: Introduction of the APM Usage Monitor.
- IMPROVED: Support for SMTP with authorization when sending notifications.
- FIXED: Runtime error "AUTHORIZATION_MISSING" when starting APM tcodes.
- FIXED: Inconsistent display of timestamps regarding time zones.

Version 3.1

- NEW: Report showing tcode, object, fields and values to help identify related/similar/duplicate issues.
- NEW: Ability to link similar/related issues together so they can be resolved simultaneously.
- NEW: Alternative, custom tcodes can be used in place of /APPLISOL/... tcodes.

Version 3.0.1

- FIXED: “Log Display” pop-up no longer appears after pressing “Save and update” in /APPLISOL/APMSU53.
- FIXED: Incorrect mouse-over texts in APM system overview.
- IMPROVED: Error handling, performance and more in ICF proxy.

- IMPROVED: More robust handling of static web application content when upgrading.

Version 3.0.0.1

- IMPROVED: When the last work task for an issue is completed/rejected, the issue status is automatically set to solved.
- FIXED: APM web server now works on Linux again.
- FIXED: SU24 subtasks routed correctly to role development client.
- FIXED: Event details dialog no longer overflows page for very long content.

Version 3.0

- NEW: New work task type for maintaining roles in SU24.
- NEW: Allow adding new objects to roles in work task.
- NEW: Work task details can be displayed in a pop-up window while executing work task.
- FIXED: Activating e-mail notifications with an empty "to" list, no longer causes the scheduled mail job to fail.
- FIXED: Work task status now set manually rather than implicitly.
- FIXED: Mixed user and role work tasks now consistently updated.

Version 2.5

- NEW: The APM transaction codes /APPLISOL/APMTEST and /APPLISOL/APMSU53 can now be run in a WebGUI session as well as through the SAPGUI. This means that APM test and issue creation can now also be run through the portal, NetWeaver Business Client, and other WebGUI-based clients.

Version 2.4

- NEW: Administrators can set up e-mail notifications triggered when a responsible is assigned to an issue. E-mail notification will contain all relevant information for the new responsible to take action.
- IMPROVED: APM Issue detail screen is redesigned in order to get a better overview of the issue content and improve the flow of working with APM Issues.
- IMPROVED: APM Issue action log is redesigned to support APM being the primary system for documenting the change process of authorizations. This includes: collecting error reports, administration of errors, approval, analysis and documentation of the precise alterations to roles.
- IMPROVED: Multiple Work Tasks assigned to the same APM Issue were previously executed in a loop. In order to ensure quality and control of the correction process each Work Task is now executed separately.

- IMPROVED: APM Project Step 1 “Select Users” – sequence of screens changed in order to avoid any missteps.
- FIXED: Paging links in /APPLISOL/APMTEST transaction now work correctly for all users.
- FIXED: Long wait times eliminated after executing tcode test.
- FIXED: Function module no longer missing in BI system.

Version 2.3

- NEW: Administrators can set up e-mail notifications for new authorization issues.
- NEW: Usability enhancements for authorization error reporting.
- FIXED: Back navigation links in analysis and work task generation.
- FIXED: Back navigation link after creating work task.
- FIXED: Potential security vulnerability eliminated: proxy no longer transfers auth result POST.
- FIXED: Select Users now works for users with multiple allocations of a single role.
- FIXED: Mixed-case project authorization groups can be created but no-one can be authorized to use them
- FIXED: Project name entry field correctly limited in length.
- FIXED: Display of work tasks for system not assigned to a group.

Version 2.2

- Users can be given differentiated access to projects, issues, work tasks and configuration within APM via new authorization objects
- APM is available in multiple languages including English, Danish, German and Slovenian
- APM reports have been refined and improved
- APM users with no assigned roles and/or transactions no longer get a blank screen in /APPLISOL/APMTEST
- Improved handling of the /APPLISOL/APMPROJ role for APM users
- “Add clients to APM landscape” now correctly adds multiple clients at once
- Various CUA-related issues have been corrected
- Fixed errors related to special characters in transaction codes and role names
- Fixed errors in client configuration

Version 2.1, Support Package 1

- Added progress indicator during data transfer from SAP system to APM web server
- Improved efficiency of data transfer from SAP system to APM web server
- Removed "System type" and "System role" fields from client setup screen
- Improved performance of user selection list generation
- Failure to create test users is now reflected correctly in APM
- Special characters in role and transaction descriptions no longer lead to errors
- Link to execute transaction code from project overview now works correctly

- SAP system no longer short dumps when executing work task for role without organizational levels
- When reporting authorization errors and selecting "other" tcode, focus is automatically changed to the "other" entry field
- Fixed warnings issued prior to removing a role from a project
- "TCodes" text now used consistently in APM
- Fixed organizational level filter for user selection
- Fixed problem involving the transfer of non-ASCII characters from Unicode SAP systems to APM web server