



ARIS Release Notes

ARIS

Version 9.8 – Service Release 2

October 2015

This document applies to ARIS Version 9.8 and to all subsequent releases. Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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1 Version information

Name	Version	Release date
ARIS 9.8 SR2	98.2.0.1043013	13.10.2015
ARIS 9.8 SR1c	98.1.2.1041621	05.10.2015
ARIS 9.8 SR1b	98.1.0.1039684	24.09.2015
ARIS 9.8 SR1	98.1.0.1021446	25.06.2015
ARIS 9.8	98.0.4.1002440	14.04.2015



2 Changes in ARIS 9.8 SR2

ARIS Design Server / Connect Server

- Groups without an assigned Globally Unique Identifier (GUID) can now be imported into ARIS using the XML import. (Pivotal 5193954)
- ARIS Merge now also merges databases that contain groups with identical group name and group path. (Pivotal 5191905)
- ARIS 9.8 now runs under a Turkish Windows 7 version. (Pivotal 5185980)
- Consolidation has been corrected so that all object occurrences of consolidated objects are retained. (Pivotal 5185719)
- The "Display statistics" pop-up menu is now available only to users having the "Server administrator" function privilege. (Pivotal 5190866)

ARIS Process Governance

- APG processes are now properly processed if they were started by ARIS Publisher for models whose names contain special characters, such as "&". (Pivotal 1110402)
- Combo boxes in Process Governance start screens started by ARIS Publisher are now filled correctly. (Pivotal 5200189)
- Process Governance process administration no longer displays an error message if a process instance without assigned human tasks is opened. (Pivotal 5197664)
- To run the ARIS Connect workflows "Share content" and "Share document" a user must be selected. (Pivotal 5199579)
- If objects related to Process Governance dialogs are locked, they are listed in the database under "Locked items". (Pivotal 5197492)
- The names of user-defined model types are now properly displayed in ARIS Connect. (Pivotal 5194467)
- It is now possible to change the column width of ARIS Process Board tables. (Pivotal 5186347)
- Corrections were made to Polish user interface text in ARIS Process Board. (Pivotal 5182426)



ARIS Architect / Designer

- The display of function privileges for users has been corrected. It now differentiates between function privileges assigned directly to the user and assigned to the user via a user group. (Pivotal 5193719)
- It is possible again to rename database prefixes. (Pivotal 5196848)
- Visio mapping has been corrected so that a timeout of ARIS Architect no longer occurs in certain situations. (Pivotal 5191387)
- If no valid SSL certificate was imported for an ARIS Server or if the certificate cannot be checked, a clear error message is output when registering the ARIS client at the server. (Pivotal 1107135)
- After starting ARIS Architect and ARIS Designer, the "Objects" check box of the Explorer tree is now enabled by default. (Pivotal 5191513)
- Locked models and objects are now displayed properly. (Pivotal 5193019)
- Inserting model shortcuts using the pop-up menu entry "Paste as > Shortcut" for models now works properly in Explorer. (Pivotal 5190447)
- If user-defined models are deleted from the configuration, existing models of this type can be reset to their original type when reorganizing the database with the option "Automatically replace missing item types". This way, they can still be found with ARIS search. (Pivotal 5192042)
- When generating a filter from an ARIS database or by merging two filters, no additional attributes are activated, e.g., "Automation category". (Pivotal 5197946)
- The activation areas of the check boxes in the "Search" dialog have been corrected. They are now enabled or disabled only by clicking their name or the relevant check box. (Pivotal 5189086)
- Saving models is now much faster than before. This is especially noticeable when saving models in groups containing a large number of objects and models. (Pivotal 5185898)
- The "Share with IT" workflow now processes user groups correctly even if their names do not match regarding case sensitivity. (Pivotal 5192588)
- The "Search" tab now provides a correct search result even if the value to be found is preceded by a blank when entered in the search field. In addition, the search now also finds attribute values whose names were specified using a blank in front. (Pivotal 5186470)
- When using templates with long names, these names are now entirely displayed in the tooltips. (Pivotal 1108430)
- The Template Wizard has been corrected, so that all values entered are now displayed correctly. (Pivotal 5188960)
- Graphics are no longer inverted in models, but displayed correctly. (Pivotal 5198212)
- Model comparison no longer flags assignments as "changed" if models were merged from one database into another. (Pivotal 5193635)



ARIS Risk & Compliance Manager

- Saving forms no longer has to be confirmed in a dialog. A status message is shown instead.
- In case an ARIS Risk & Compliance Manager license key has expired, a message with the corresponding information is shown during login.
- Saving a filter multiple times no longer results in an error message.
- Loss managers are now also informed when a loss reviewer sets the status of a loss to 'Accepted'.
- If the event enabling configuration is incomplete or incorrect, more detailed error messages are now displayed.
- Changing the user password is now possible by clicking the link "Change password". The link "Forgot password" now points to ARIS Administration.
- Generating a PDF report for the risk management evaluation "Risk assessment per impact type" is now performed correctly.
- For new risks, the value "No notification" is now activated by default in the field "Notification to" on the "Risk management" tab. This does not apply to migrated risks.
- Linked lists of deficiency management evaluations have been corrected so that the correct number of values is output now.
- The report for deficiency management evaluations now outputs diagrams as required if the corresponding option has been enabled.
- Subscriptions that are opened in the mapping list of a tenant using the "Open in new window" option are no longer editable.
- The "Name" attribute is now specified for users exported from ARIS Risk & Compliance Manager by SAML (Security Assertion Markup Language) and imported into ARIS Architect. The name consists of the "First name" and "Last name" attributes.

ARIS BPMN

- It is now possible to use function allocation diagram objects of the "Cluster" type in diagrams of the "BPMN collaboration diagram" type. (Pivotal 5201566)
- After having enlarged or moved lanes and pools, resizing is still possible at any time. Furthermore, the entire space is now used in the best possible way. (Pivotal 1102958)
- When using user-defined templates, it is now possible to create multiple objects with identical names. (Pivotal 5181583)



ARIS Connect

- The background color specified in ARIS Architect for models is now also displayed in the Model Viewer. (Pivotal 5202219)
- The save operation has been improved. Data entered is now also saved when editing views implies editing different areas, for example. (Pivotal 5199069)
- Objects of the "Technical term" type that are part of a process are displayed in every fact sheet under "General documents" in the overview. (Pivotal 5196642)
- A semantic check has been implemented that checks the configuration and prevents the parallel use of object IDs (OIDs) and Globally Unique Identifiers (GUIDs) for items. (Pivotal 5196924)
- Model Editor: If object symbols are changed, the model template is applied as required. (Pivotal 5198385)
- The display of models in the Enterprise Mode of Microsoft Internet Explorer has been improved so that diagrams are now displayed correctly. (Pivotal 5195586)
- Clicking OLE object symbols in Model Viewer opens the linked objects, even if they are placed on a model object. Prerequisites are that your browser's security guidelines allow this and that the saved object is stored on a local drive. (Pivotal 5194905)
- The "Recent changes" tab has been improved in order to correctly display user-defined time intervals. (Pivotal 5197066)
- The Model Viewer display in ARIS Connect has been improved. BPMN diagrams are now shown without errors. (Pivotal 5191372)
- The server license check has been reworked so that ARIS Connect Server now provides only functionality that is enabled by the license in use. (Pivotal 5177723)
- When starting ARIS Connect, now the current browser language is used. (Pivotal 5186489)
- Line breaks in object names are ignored in fact sheets and on the "Attributes" tab so that names are displayed as single-line text if they are not too long. If models from ARIS Architect are displayed whose objects include optional hyphens, their names are displayed in a single line without the use of hyphens. (Pivotal 5182146)
- ARIS Connect now differentiates between unauthorized access (HTTP 401) and forbidden access (HTTP 403). Customer configurations currently referencing the forbidden access (HTTP 403) from now on must reference the unauthorized access (HTTP 401).

ARIS Method

- If a model type is renamed in another language, this new name is now displayed in only this language and no longer also in other languages. (Pivotal 5198534)
- Migration from ARIS 7.2 to ARIS 9.8 SR2 includes all connection types as required. (Pivotal 5193281)



ARIS Analysis

- The query attributes "Processing time" (AT_WORK_TIME.TRM) and "Amount of damages" (AT_AMOUNT_OF_DAMAGES.TRM) are now editable in the query table. (Pivotal 5195530)
- The Attribute Wizard is now available after selection of query items or for tables in the "Start" tab bar: "Attributes > Attribute Wizard". (Pivotal 5193062)
- When using mixed text types in one table, such as Hebrew/Latin, the text is now sorted properly:
 1. Hebrew is sorted right to left.
 2. If Latin text is input or copied after Hebrew text, it is inserted on the left with left-to-right orientation.
 3. If Hebrew is then input or copied again, it is inserted left of the Latin with left-to-right orientation.

This sorting is retained when editing or saving. If the text is identified as Hebrew, the preset right-to-left orientation is retained, e.g. when starting text with a Hebrew character. (Pivotal 5190199)

ARIS Document Storage

- In ARIS document storage, searching for documents has been improved. It is now possible to search for longer document names. (Pivotal 5197686)
- ARIS document storage now supports document libraries embedded in Site Collections (Microsoft SharePoint®). (Pivotal 1109178)
- ARIS Process Governance dialogs now handle ARIS document storage privileges as required. (Pivotal 5190501)

ARIS Publisher

- The "ARIS Server Installation and Administration Guide" now provides a more detailed description of the ARIS Publisher binding. (Pivotal 1100725)
- Identification and export of filters now work correctly. (Pivotal 5197987)
- It is now possible again to incorporate ARIS Publisher into a dedicated HTML iFrame. (Pivotal 5196608)
- Rocket Search now uses the selected method filter correctly as a filter criterion. (Pivotal 5190946)
- It is now possible to start evaluations for matrix models from the navigation tree's pop-up menu. To do so, open a matrix model, right-click the relevant entry in the navigation tree, and then select "Evaluate". The "Run" dialog opens and you can select the required evaluation and output format. (Pivotal 5191562)
- Corrections were made to Chinese user interface text. (Pivotal 5183522)



- The display of user group names in Publisher Administration has been modified. Now names are shown in their entirety or as a tooltip even if they have more than 40 characters. (Pivotal 5190677)
- The display of abbreviations for connections in matrix models, as well as the display of wildcards and of the order of abbreviations for connection types is now identical in ARIS Publisher and ARIS Architect. (Pivotal 5186106)

ARIS Report

- The Model comparison report has been corrected. Report results now correspond to those generated by the ARIS 7.2 report. (Pivotal 5200513)
- The "Create process manual" report no longer ignores text formatting of attributes, but includes it in the output file. (Pivotal 5197333)
- Invoking the method "Model.BoundingRect()" of the report script API no longer results in an exception. (Pivotal 5196921)
- The report script API has been corrected so that combining objects of the "SearchItem" type with ".or" now returns correct results. (Pivotal 5193448)
- The report "Replace object types" has been corrected. It now deletes all objects that require deletion. (Pivotal 5197525)
- The report "Consolidate font formats" has been corrected. It no longer resets the font in open models to the default font. (Pivotal 5193427)
- The report script API has been corrected. Tables now return correct return values for rows after sorting. (Pivotal 5191874)
- The report script API method "Item.Attribute(int attrTypeNum, int localeID, boolean p_bUseLanguageFallback)" has been corrected. Elements are now passed on as required. (Pivotal 5190590)
- Reports created in ARIS Architect can now be imported into ARIS Cloud. (Pivotal 1105306)
- The report script API has been corrected so that the object definition list now returns the proper number of superordinate objects. (Pivotal 1104405)
- The report script API has been corrected so that the method "CreateSearchItem" now handles Boolean attributes as required. (Pivotal 5192617)

ARIS Installation

- The privileges for accessing admin shell script files have been adapted so that non-root users are now able to run scripts. (Pivotal 5196563)
- The blank has been removed from the "Select Port Number" input field of the ARIS Server Wizard. (Pivotal 1100734)



- A success message has been added to confirm that an uninstall operation has been successfully performed. (Pivotal 1100735)

ARIS User Management

- LDAP synchronization has been improved so that synchronizing a large number of users now works as required. (Pivotal 5200083)
- The locking behavior of the LDAP user management has been changed so that user access is locked only after the third failed login attempt. (Pivotal 5196459)



3 Changes in ARIS 9.8 SR1c

ARIS Setup

- It was not possible to update an ARIS 9.8 SR1 installation with ARIS 9.8 SR1b. This error is fixed with SR1c.



4 Changes in ARIS 9.8 SR1b

ARIS Design Server / Connect Server

- Restoring arissystemdb now works again (after updating ARIS 9.8 to ARIS 9.8 SR1). (Pivotal 5198534, 5198408)

ARIS Architect / Designer

- If a standard element was renamed in another language than the one currently used, the name of this element was shown in this language instead of the language currently in use. This error has been resolved. (Pivotal 5198534)
- Due to an error in ARIS Method the "Automation category" attribute type group was automatically active in a filter. This error has been resolved. (Pivotal 5197946)
- Versioning of models now works correctly if an ARIS database has more than 1000 groups and all models are to be versioned. (Pivotal 5178077)

ARIS Connect

- In ARIS Connect Viewer, sometimes assigned models were not shown in the navigation tree. This error has been resolved. (Pivotal 5198582, 5191905)
- Internet Explorer 11 with "Enterprise Mode" is now supported. (Pivotal 5195586)
- You can now turn on/off the highlighting for a model, and this option will still be valid if you navigate to an assigned model. (Pivotal 5190823)
- SSO of Portal Server ignores unsupported SPENGO challenges (NTLM) (Pivotal 5193918)
- OLE objects placed inside an ARIS object in Connect Viewer can now be started with a mouse click. (Pivotal 5194905)
- When adding an additional language via language selection in the Administration module, all language values for user-defined properties of items in a view were deleted. This error has been resolved. (Pivotal 5199069)

ARIS Analysis

- A performance drop down was fixed that had occurred when spreadsheet models were open in the same client session. (Pivotal 5197238)



ARIS Process Governance

- Process Board:
 - Added context column to the CSV export for the instance monitoring table.
 - Fixed sorting of the context column in the instance monitoring table.
 - Fixed width of combo boxes in APG dialogs.
 - Fixed height of check box list control, now depending on the amount of items.
 - Fixed overlay effect for action buttons in the details view in small windows.
- Now only users with the 'Process Governance administrator' function privilege are allowed to view, edit, delegate, or pass on tasks of another user. (Pivotal 5206599)
- Now the latest version of a deployed process is displayed if the governance process was started in ARIS Architect. (Pivotal 5206419)
- Fixed issue concerning file upload to ARIS document storage within APG process dialogs using Internet Explorer. (Pivotal 5202363)
- Robustness of APG process recovery during restart of runnable has been increased.
- APG process 'Compare model' now uses the language from the start context as an input for the methodology language. E.g., language-related method content like attribute values will be displayed in the same language as the one the user used for logging in and for starting the process. (Pivotal 5199153)
- Improved visualization of table controls within APG process dialogs. (Pivotal 5194465)
- Portuguese translation has been improved in general. (Pivotal 5196129)

ARIS Report

- An error in the ARIS Semantic Check environment had the effect that sometimes not all semantic check return values were available after an update to 9.8 SR1. This error has been resolved. (Pivotal 5204661)

ARIS User Management

- SAML authentication has been improved.
- LDAP synchronization no longer stops prematurely under certain conditions. (Pivotal 5200083)
- ARIS User Management now supports a configurable timeout for user data reports to avoid long execution times relating to data volume and infrastructure performance. (Pivotal 5200417)
 - reconfigure umcadmin_m +JAVA-Dcom.aris.umc.report.timeout="<value in msec>"



ARIS Collaboration

- When trying to restore ARIS 9.8 version data in an ARIS 9.8 version, the Restore operation failed for Collaboration. This issue occurred mainly after restoring ARIS 9.7 version data in an ARIS 9.8 version instance.

This issue has been resolved. Restoring ARIS 9.7 data in an ARIS 9.8 version, as well as restoring ARIS 9.8 data in an ARIS 9.8 version, is now possible.



5 Changes in ARIS 9.8 SR1

ARIS Design Server / Connect Server

- The names of databases imported from ARIS 7.2 into ARIS 9.0 are now displayed correctly in documents that are created using a report. (Pivotal 1106144)
- In User management, a search function for finding users associated with user groups was added to the "Associated users" area. (Pivotal 1104640)
- The command-line tool of User management was fixed for Unix. (Pivotal 5183921)
- The visualization of User management was improved so that all buttons are now displayed correctly. (Pivotal 5179658)
- The size of the "Reset password" dialog was increased. (Pivotal 1103352)

ARIS Architect / Designer

- The pop-up menu of an object now provides the "Apply template" menu item. (Pivotal 1104152)
- The correct type is now displayed for user-defined attribute type groups used in ARIS version 9.8. (See also ARIS help page "Create attribute type group") (Pivotal 1104135)
- User-defined attribute types are now included correctly when filters are generated automatically based on databases. (See also ARIS help page "Create filters automatically (database-based)") (Pivotal 5181714)
- Using wildcards with the Search function in ARIS Architect/Designer now works as required. (See also ARIS help page "Search for database content") (Pivotal 5187535)
- Filter import and migration was improved. Import-related inconsistencies are now automatically corrected when performing an import into ARIS version 9.8. (See also ARIS help page "Import filters") (Pivotal 1104595)

ARIS Process Governance

- Users with administration privileges are now able to appoint substitutes for other users. (Pivotal 5191050)
- The visualization and usability of controls in ARIS Process Board was improved. (Pivotal 5188820; 5186924)
- Uploading documents to ARIS Process Governance was improved for use with Microsoft® Internet Explorer. (Pivotal 5188571)
- Starting ARIS Process Governance processes via a macro is now possible without an ARIS Process Governance license. (Pivotal 5183918)



ARIS Publisher

- An error was solved in the Report API method "UserDefinedAttributeValueTypeNum()". User-defined attributes are now handled correctly. (See also "ARIS Script" help page "UserDefinedAttributeTypeNum(String) : int") (Pivotal 5188632)
- When the "Use print scale" option is selected in Publisher export profiles, the clickable area of assignment icons is now positioned correctly in Publisher exports. (Pivotal 5184383)
- Single sign-on is now restricted to users with a viewer license. (Pivotal 1104358)

ARIS Connect

- Attribute texts that have no formatting are HTML escaped so that they cannot be interpreted. Thus, the Attributes component is Cross-Site Scripting (XSS) safe.
- The report "Output object information" now outputs user-defined attributes correctly in ARIS Connect. (See also ARIS help page "Output object information") (Pivotal 5176620)
- Chinese characters are no longer displayed in the user interface of a Polish ARIS Connect version. (Pivotal 5167909)
- German words are no longer displayed in a dialog of the Japanese ARIS Connect version. (Pivotal 1097391)

ARIS Report

- Reports from ARIS version 7.2 using a long description text can now be imported into ARIS 9.x without any problems. (See also ARIS help page "Import scripts") (Pivotal 5190229)
- "The "ARIS Script" help of ARIS versions 9.7 and 9.8 now provides all required contents. (See also "ARIS > Help > ARIS Script") (Pivotal 5189948; 5190184)
- An error was removed from the report script API of function "ConnectableDef.AssignedModels()". (See also "ARIS Script" help page "AssignedModels() : Model[]") (Pivotal 1104860)
- A semantic check rule type was corrected so that running semantic checks for models of type "EPC" now works as required. (See also ARIS help page "What are rule types and profiles in the Semantic Check Wizard?") (Pivotal 5186578)
- The report "System fact sheet" was corrected. All items are assigned a name now. (See also ARIS help page "Report - System fact sheet") (Pivotal 5186240)
- A problem relating to model generation was solved. Furthermore, the current version of ASPOSE is being used from now (15.3.0). (Pivotal 5186481)
- The report "Import data in Excel format" was corrected. Names are no longer imported as single-line text only, but also as multi-line text, if required. (See also ARIS help page "Report - Import data in Excel format") (Pivotal 5183495)



- The semantic check "Validation of a BPMN diagram (BPMN 2.0)" was corrected. It no longer issues an error when a gateway has both incoming and outgoing sequence flow connections. (See also ARIS help page "Run BPMN semantic check") (Pivotal 5154792)

ARIS Collaboration

- In Collaboration you can add colleagues to a collaboration group. The number of colleagues displayed in the search when entering the first letter of a name in the "Add colleagues" field was increased to 10. (See also ARIS help page "Invite other users to Collaboration") (Pivotal 1103716)

ARIS Risk & Compliance Manager

- The remaining session time is now displayed correctly, and the session ends once the session time has expired.
- The e-mail addresses of the system users "Job user" and "Internal system user" can now be edited on their user pages.
- The migration of ARIS Risk & Compliance databases from version 4.1x to version 9.x now also works correctly for ARIS document storage links.
- It is no longer possible to open ARIS Risk & Compliance Manager in more than one browser tab.
- Updating policies and confirmations no longer results in an error message.
- Opening the risk assessments "Damage (qualitative)" and "Frequency (qualitative)" no longer results in an error message.
- Extended test case reports are now created correctly.
- Errors relating to linked lists of test, survey, and audit management evaluations were corrected. (Pivotal 5187561)

ARIS UML Designer

- If the value of a tagged value of type "String" is deleted, the tagged value is no longer shown in the diagram.
- Sorting arguments (up/down) in the properties dialog of a UML2 message now works as required. (Pivotal 5180175)



6 Changes in ARIS 9.8 GA

ARIS Design Server / Connect Server

- In user management, a tooltip has been added for the names of user groups so that the entire name is shown. The table row can display only a specific number of characters. (Pivotal 1100724)
- If preview is selected for a merge, a corresponding log file is transferred to the client and can be displayed. (Pivotal 5167253)
- User management has been improved for use with supported Internet Explorer versions. (Pivotal 5167103, 5170661)
- In ARIS 9.7 SR2, the error that had led to a tenant backup to work only for the default tenant in ARIS Cloud Controller has been eliminated. Backup of all tenants now works properly.
- The performance of the assignment of access privileges to groups has been improved.
- Filters from ARIS version 7.2 can now be imported properly into ARIS 9.8.
- In ARIS Cloud Controller, Collaboration data is now properly saved when backing up a tenant.
- The ARIS Publisher configuration remains available after backing up and restoring the system database. (Pivotal 5166762)
- Corrections were made to the command-line tool 'y-ldapsync' so that users are no longer unintentionally deleted from user management. (Pivotal 5174664)

ARIS Architect / Designer

- In ARIS Design Server, the number of search results is now shown properly. (Pivotal 1101623)
- In ARIS, it is now possible to edit user-defined attributes with the Attribute Wizard, even if a model is locked by another user. (Pivotal 5152947)
- In the ARIS 'Properties' dialog, attribute fields are now displayed in the size required for showing the entire content of the attribute values. (Pivotal 5154380)
- The function 'Automatic alignment' in ARIS has been optimized. Hierarchy structures are now displayed properly. (Pivotal 5157209)
- In user management, the 'Export user statistics' dialog is now displayed completely for the resolutions supported. (Pivotal 5159071)
- The function 'Automatic alignment' in ARIS has been optimized. Horizontal alignment has been improved. (Pivotal 5160123)
- In ARIS, the 'underline' effect is retained for a font format even if the font format is edited again. (Pivotal 5160555)



- The 'Hierarchy' fragment in value-added chains in ARIS now shows the object name in the language selected. (Pivotal 5160603)
- The function that displayed connections as transparent instead of in color is no longer supported. (Pivotal 5164488)
- In ARIS Designer, variant relationships are now displayed in an object's properties. Creating and deleting variants is impossible in ARIS Design Server. (Pivotal 5164728)
- In ARIS, the representation options for connections in the 'Connection appearance' dialog are now properly displayed when user-defined filters are applied. (Pivotal 5165980)
- In ARIS, models can be saved again after another language has been added. (Pivotal 5170263)
- In ARIS, the arrangement of attribute type groups has been adjusted for filtering. (Pivotal 5172014)
- In ARIS, the variant relationship is displayed in the variant properties when merging object variants without master object into another database. (Pivotal 5173041)
- In ARIS, object selection has been optimized for models of the 'Network topology' type in the 'Classic' symbol palette. (Pivotal 5176056)
- In ARIS, the path when calling the API function 'getParentGroup' is now shown properly. (Pivotal 5177892)
- In ARIS, connections between objects are now unambiguous (identifier). (Pivotal 5177915)
- In ARIS, all allowed objects now have a correct occurrence in the new model when being copied from BPMN 1.x to BPMN 2.0. (Pivotal 5178183)
- In ARIS, links in link attributes can now be opened by using the 'F7' key. (Pivotal 5179012)
- In ARIS, an error in the 'Compare models' report has been eliminated. Objects that were added in the work version are now displayed during the comparison as added instead of deleted. (Pivotal 5179409)
- In ARIS, users must have the 'Script administrator' function privilege to be able to import and export reports. (Pivotal 5180805)
- In ARIS, it is now possible to change the size of objects within an object via the properties. (Pivotal 5181410)
- In ARIS, the 'Attributes' dialog can now be opened for multiple versions in the 'Properties' dialog of versioned models. (Pivotal 5181983)
- In ARIS, the proper locale is now shown when renaming a database. (Pivotal 5182142)
- The "CentraSite synchronization" attribute can now be filtered. (Pivotal 5159538)
- Connections are now properly transferred when importing filters from ARIS version 9.6 to ARIS version 9.7. (Pivotal 5163433)
- If you apply a template to a model, the template is now also displayed when you select an object. (See also "ARIS > Help > Working with ARIS", subject area "Edit models > Basics", page "Assign a template to a model".) (Pivotal 5175053)



ARIS Process Governance

- The Japanese ARIS Process Board user interface has been improved. (Pivotal 1096246)
- The combo boxes in ARIS Process Governance dialogs have been extended. (Pivotal 5167925)
- If a versioning process started by ARIS Process Governance fails, an error message is now sent to the system administrator. (Pivotal 1094992)
- In ARIS Process Board, the input boxes in dialogs are now represented in a way that enables users to differentiate between editable and write-protected fields. (Pivotal 1101996)
- In ARIS Administration > Process administration > History, ascending and descending sorting of the table by column title is enabled again. (Pivotal 1101998)
- In Process Governance, the button name in dialogs and the button label are now identical. (Pivotal 5164454)
- For ARIS Process Board, the representation in the Polish interface language has been improved. (Pivotal 5167907)
- In Process Governance, the Web service 'Compare - Model versions' now works for non-versioned models. (Pivotal 5170004)
- In Process Governance, a defined contexts for processes is now saved properly. (Pivotal 5173253)
- In ARIS Process Board, the headers of check boxes in tables are now properly displayed in the tasks. (Pivotal 5177411)
- Charts in ARIS Connect > ARIS Administration are now displayed in the interface language selected for the application. (Pivotal 5177944)
- In ARIS Process Board, it is now possible to change table columns. (Pivotal 5178856)
- In the Process Governance mini workflow 'Submit new document', information on the model that the document is associated with is now supplied. (Pivotal 5179615)
- In Process Governance, moving services in the Explorer tree and the Governance resources is now possible. (Pivotal 5179812)
- In the Process Governance server component, an invalid XML restriction has been eliminated (CWE-611). (Pivotal 5179994)
- In ARIS Process Board, delegating tasks now works properly.
- In automated processes, the default database language must no longer be English for an ARIS Publisher export.
- In Process Governance, the behavior of terminator events after system restarts has been corrected.



ARIS Publisher

- In ARIS Publisher, users with the 'Database administrator' function privilege can now export databases. (Pivotal 1095670)
- In ARIS Publisher, the attribute type 'Change history' (type number 1472) is now included. (Pivotal 1100365)
- Wallpapers are now included in the export and displayed in ARIS Publisher. (Pivotal 5174228)
- In ARIS Cloud Controller, the ARIS Publisher login module is now displayed. (Pivotal 5177190)
- The borders for models in ARIS Publisher have been removed because they could not be displayed in ARIS. (Pivotal 5179065)
- A Publisher license key is no longer required to create HTML exports with contents from an ARIS Connect server. (Pivotal 5172363)

ARIS Connect

- Display and search results have been improved in ARIS Connect. (Pivotal 1095415)
- Errors have been resolved in the ARIS Connect search. (Pivotal 1095712)
- Functions are now found by the ARIS Connect search. (Pivotal 1100993)
- Items without a name are displayed as 'Untitled' instead of an empty field. (Pivotal 5149972)
- The message sent for expiring passwords now contains the information that a new password must be created. (Pivotal 5151339)
- Models with long names are now properly displayed in the ARIS Connect portal under 'Recent changes'. (Pivotal 5157892)
- In Collaboration, links are now represented with the proper symbol in Internet Explorer version 8. (Pivotal 5158819)
- In Collaboration, long group names are now shown completely in Internet Explorer version 9. (Pivotal 5160523)
- Objects in ARIS Connect can now be opened from the list of search results in the model in which they have an occurrence. (Pivotal 5160537)
- ARIS Connect users are now locked when they reach the number of failed login attempts that is specified in the configuration. (Pivotal 5164209)
- In the ARIS Connect portal, the entire right side of the page is used for displaying information. (Pivotal 5165019)
- The 'Highlighting' area in ARIS Connect is now displayed in the language selected for the application. (Pivotal 5165965)



- When starting ARIS from ARIS Connect, the proper start page is displayed depending on license and installation type. (Pivotal 5167262)
- ARIS document storage now uses English as an alternative language. (Pivotal 5168196)
- In ARIS Connect, the algorithm for displaying tables and RACI matrices has been optimized. (Pivotal 5168246)
- Models in ARIS Connect charts are now displayed in the language selected for the application. (Pivotal 5170052)
- Depending on whether the user does not have the required privileges or the model is unavailable, the proper error message is displayed when models are called and cannot be displayed in ARIS Connect. (Pivotal 5179627)
- In ARIS Connect, it is now possible to access documents in the portal without additional login. (Pivotal 5167504, 5173519)
- In the "Steps" view, the "Condition expression" attribute is shown with "Default" only for default connections, and for all other connections with "Event". (Pivotal 5160640)

ARIS Report

- Export RASCI chart:
This report has been replaced by the ""RA(S)CI - Output organizational participations in processes"" report that evaluates process models created under special modeling conventions.
If you want to continue using this report, make sure that model, object, and connection types differing from the modeling conventions mentioned above were used in processes.
- User-defined symbols are now displayed properly in report PDFs. (Pivotal 5165366)
- An error in ARIS Script has been eliminated. The method 'xlsRow.getCells()' now returns the proper result. (Pivotal 5166227)
- It is now possible to select filter options for derived model types in Script Editor. (Pivotal 5169087)
- If the interface language has not been specified, the language selected for the database is used as the alternative language for reports. (Pivotal 5169262)
- The ARIS standard report 'Output group information' now includes users with access to groups if they have the 'Database administrator' function privilege. (Pivotal 5170322)
- The 'Replace text attributes' report can now be used for UML content, as well. (Pivotal 5170824)
- The export of semantic check profiles has been improved. Special characters in file names that are allowed in ARIS but not in the file system are replaced by an underscore (_). (Pivotal 5174002)
- The generation of reports now works properly with evaluation filters. (Pivotal 5176648)
- The macro function 'Designer.setVisible' now works properly. (Pivotal 5176761)



- It is now possible to use custom fonts in reports. (Pivotal 5177078)
- The method 'ArisData.openDatabase' has been corrected. It now has the following return values in case of an error:
Null if the database does not exist.
Exception if login fails. (Pivotal 5178148)
- An error occurred during the import of XML files with special characters into shared report and macro files. This error has been eliminated. (Pivotal 5178381)
- In ARIS 9.8, script runner uses GUIDs instead of OIDs as in ARIS 7.x. The description in the template has been corrected. (Pivotal 5179366)
- The names of user-defined attributes are now properly output in reports. (Pivotal 5180662)
- Graphic resolution and text legibility in reports have been improved.
- Running a scheduled report in an environment with multiple ARIS Server runnables in order to automatically create objects no longer results in multiple creation of the same object. (See also "ARIS > Help > Working with ARIS", subject area "Evaluate data > Run reports > Valuable information", page "What are scheduled reports?") (Pivotal 5154230)
- The report API method "OutputLinkF()" now considers the "Underline" format. (Pivotal 5163013)

ARIS Analysis

- In ARIS Designer, the functions 'Excel export', 'Save as a table', and 'Save attributes' are now available for public queries, and 'Generate dashboard link' is available for private queries. (Pivotal 1098139)
- In ARIS simulations, BPMN models are now properly displayed in simulation experiments. (Pivotal 5165419)
- In models of the 'Table' type, references for additional table sheets are now retained after saving and closing. (Pivotal 5172490)

ARIS Risk & Compliance Manager

- In ARIS Risk & Compliance Manager, customizing has been improved. Adding documents is no longer limited to forms. (Pivotal 5173411)
- In ARIS Risk & Compliance Manager, customizing has been improved. Relationship privileges can now be assigned to base roles or be removed from base roles.
- In ARIS Risk & Compliance Manager customizing has been improved. The title of an attribute group is hidden if the group does not contain any visible attributes.
- In ARIS Risk & Compliance Manager, pie charts in the PDF report 'Incidents per hierarchy type' are now displayed completely and properly.



- In ARIS Risk & Compliance Manager, the log now displays the version changes on the correct version page.
- In ARIS Risk & Compliance Manager, the error has been eliminated that had led to an internal error when generating the PDF report of the 'Incidents per risk' evaluation.
- In ARIS Risk & Compliance Manager, the database migration now includes 'Subscriptions' of clients.
- In ARIS Risk & Compliance Manager, the error has been eliminated that had led to a task receiving a wrong state, if an offline document of a risk assessment was uploaded without having been changed.
- In ARIS Risk & Compliance Manager, the error has been eliminated that had led to data inconsistencies when answering and saving a questionnaire in different states.
- In ARIS Risk & Compliance Manager, the error has been eliminated that had led to a task receiving a wrong state, if an offline document of a risk assessment was uploaded without having been changed.
- In ARIS Risk & Compliance Manager, sign-off owners can now only view the sign-off hierarchy from the level they are assigned to a sign-off element.
- In ARIS Risk & Compliance Manager sign-off management, the error has been eliminated that had prevented a test case follow-up from being generated, even though the test case was not affected by a sign-off.
- ARIS Risk & Compliance Manager now supports single sign-on (SSO).

ARIS UML Designer

- In ARIS UML Designer, it is now possible to increase the height of UML2 Sequence diagrams. (Pivotal 5174839)

ARIS Business Optimizer

- In ARIS Optimizer, analysis groups are now shown only once. (Pivotal 5171769)

ARIS Document Storage

- The document link to the result of the "Compare - Model versions" Web Service now works properly. (Pivotal 5157260)
- In ARIS document storage, versioning when uploading new document versions now works properly. (Pivotal 5180126)
- Incorrect interface entries in the Japanese version have been eliminated. (Pivotal 1097391)

**ARIS Documentation**

- The help now explains the information that the history of users and user groups provides. (Pivotal 1098035)
- You can view procedure videos in the help. If your browser cannot open the procedure videos in the help, please use a different browser. The videos are also available in ARIS Community (<http://www.ariscommunity.com/help/quick-videos>). (Pivotal 5177913)
- The online help can now be called from anywhere in ARIS Connect.
- The link to Central User Management is displayed as a URL in ARIS Administration. (Pivotal 1098070)