SAP Accelerators by BackOffice Associates®

Release Notes

Version 6.5.3

Software Release Date: 09/01/2016

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Introduction

This document describes the new features, enhancements and resolved issues included in the 6.5.3 version of SAP Accelerators by BackOffice Associates®.

NOTE: DSP™ version 6.5.3 implements a new licensing scheme that ties the license key to a hardware ID specific to the application server on which DSP™ is installed. This license key will therefore not work on other machines. In addition, hardware changes to the server, including virtual machine reconfiguration, may cause the license to be invalidated. In the event of a hardware change, server move, or other action that may require a new license to be issued, please open a Support message via SAP Solution Manager using component XX-PART-BOA to request a new license. The request for a new license should be made a minimum of 2 business days before the license is needed to allow time for review and approval.

NOTE: A 6.4 version of SAP Accelerators by BackOffice Associates® was not released. The immediately prior release to 6.5.3 is version 6.3.1.

New Features

Advanced Data Migration (ADM)

SQL AutoGen

SQL AutoGen creates basic objects used by the migration process (tables, rules and reports) so that users can focus on addressing complex requirements.

All objects created using SQL AutoGen are written to the data source defined for the object in Console (Process Area > Objects > Vertical View > Data Source ID).

Access SQL AutoGen by clicking the gold Automation tab in the Quick Panel.

With SQL AutoGen these tasks can be performed automatically:

- Build Target Tables
- Build Source Tables
- Create and Approve All Rules
- Append Columns to all Target or Source Tables
- Reset A Mapping
- Create Rules
- Build Reports

- A source table and rules can be autogenerated for an Update Row source. Refer to "Build an Update Row Source Table Using SQL Automation" and "Create Rules for an Update Row Source Using SQL Automation" in the online help for more information.

- The AutoGen level can be set on the *Vertical* View of the *Automation* page, and controls how tables, views and stored procedures are generated. Full or partial automation can be configured at the target level. Refer to "Set the Auto Gen Level for a Target" in the online help for more information.

Fiori

Display and visualize the key activities in a Data Migration given a single pane of glass view into the status of the migration. Using the Fiori user interface, the key metrics of the migration are extracted from the DSP™ and displayed using Fiori. These metrics and details can be viewed on a mobile device as well as a workstation and have complete drill through capabilities directly into ADM.

Map

A user can profile a source data source on the *Vertical* View of the *Target Sources* page or an Update Row source data source on the *Vertical* View of the *Target Sources (Update Row)* page. Once the profile has run, the user can view the profile results such as record counts, unique values, or field data types.

Target Design

A new Visibility column has been added for both Natural and Utility fields. Setting the visibility determines whether a field is available to be mapped on the source or target pages. Refer to "Set Visibility for Mapping of Target and Source Fields" and "Set Visibility for Appended Utility Columns" in the online help for more information.

Transform

Transform provides measurable advantages in the Data Preparation phase of a data migration project. The tool cleans, manipulates and reports on data, and exports the data so that it can be loaded into a target ERP system using a load tool.

Use Transform to register target rules, target remediation rules, and target reports. Transform also creates target source rules and target source reports. A user can audit updates to target data as a result of rule processing, debug rules and reports, and view dashboards that display a count of active source rules, source reports, target rules and target reports by wave and process area; the number of processes running for reports broken out by report type; and the count of changes to all object types in the wave and process area.

Access to report data can be controlled at the report level by restricting access to reports, or through user filters assigned to a report.

Information Steward Accelerator (ISA)

A user can access the black **dspCompose Requests** tab on the Quick Panel to navigate among active requests for which the logged in user has access. Refer to "Use the dspCompose Requests Tab for Quick Access to Request Details" in the online help for more information.

Fiori

Display and visualize the key activities in Data Quality given a single pane of glass view. Using the Fiori user interface, the key metrics of data quality are extracted from ISA and displayed using Fiori. These metrics and details can be viewed on a mobile device as well as a workstation and have complete drill through capabilities directly into ISA.

Data Stewardship Platform (DSP™)

Common

- Target system connections and the user credentials for these connections are now set in Common. Refer to "Establish a Connection to a Target System" in the online help for more information.

NOTE: This feature replaces Back End Authentication that was previously established in Integrate and dspCompose™.

- An administrator can import a system type from any system. The user can add a system type using that system's data dictionary to create a System Type Model with the correct SQL. The process imports table descriptions, field descriptions and registers check tables to fields. Refer to "Import a Data Source" for more information.

NOTE: The SAP and JDE system types are included with the DSP™.

- Profiling and duplicate detection have been added.

Profiling

Profiling is a quick and easy method to perform an assessment of data contained within a database. The goal of data profiling is to save hours of research effort by listing all database information in one location. It is important to note that data profiling does not replace viewing and analyzing data, but is considered a value-added activity for reporting to the client and can provide useful information at the beginning of a Data Migration project.

The following elements are available for all profiled databases:

- A list of all tables in the database
- A list of all columns within each table with defined Data Type, Length and Table Order
- A frequency distribution of values for each column
- A minimum and maximum value for each column
- A number of blank, null or empty values for each column
- Indication of unused tables and fields

Duplicate Detection

The duplicate detection feature provides an easy method to identify and resolve duplicate data. After the user creates and register the objects (tables and views) that contain the data to be analyzed for duplication, the process finds potential duplicate data and displays it on a results page. The user can configure this results page as needed. The user reviews the results and identifies duplicate records to decide if the record is a true duplicate, if the record must be reset or if the record is not a duplicate.

Integrate

- A user can configure After Post rules that run after the process template executes successfully and before the next process template begins processing (if posting with a multi-template process). After a process template that has an After Post rule registered posts successfully, the data is passed to the next dependent process template as an input parameter. Refer to "Register After Post Rules to a Process Template" in the online help for more information.

- The SAP Data Services Job template type has been added to Integrate. It uses a Data Services Job (consisting of a Data Services Repository and a job name) when posting request data to a target system. Refer to "Post Data Using an SAP Data Services Job" in online help for more information.

- A user can add a Custom template in Integrate for posting to any application. Refer to "Post Data Using a Custom Template" in the online help for more information.

Enhancements

Advanced Data Migration (ADM)

Console

- A Migration Developer can set the data sources at the wave-process area level, which cascade through all objects in the process area. Refer to "Set the Data Source at the Wave-Process Area Level" in the online help for more information.

- A user can now use multiple target systems for a wave-process area. A system set at this level cascades through all objects in the wave-process area. Refer to "Add Multiple Target Systems at the Wave-Process Area Level" in the online help for more information.

Map

- In Value Mapping, when refreshing the target values, a warning displays if the language or client fields are entered for the lookup table but the language or client value fields are not populated for the wave. These fields are maintained on the *Waves* page's *Vertical* View in Console.

- A Migration Developer can designate a system other than the target system for check tables. Refer to "Use Check Tables from Different Systems While Value Mapping" in the online help for more information.

- The process for establishing relationships has been updated. External sources, Add Row sources (formerly primary sources), and Update Row sources (formerly secondary sources) can now be used when creating relationships. Refer to "Work with Sources" in the online help for more information.

- The Submit All icon on the *Field Mappings* page can be used to submit any mappings with a Mapping Status of In Progress and any mappings with a Mapping Status of Complete (if that Mapping Status was set manually by the user but had not yet been submitted.)

- In Map, on the *Mapping Approval* page, a user can click the Complete icon to approve the selected mapping(s) and set the Rule Status to Complete.

- An Update Row source that is a table can now be added. Rules can be created for this Update Row source table which convert the data before it is processed by the main source rule. The table can also be used as a snapshot of data for results validation. Refer to Add Update Row Sources that are Tables in the online help for more information.

- In Map, Mapping Status and Rule Status values and the Mapping Approval process have been updated. During the Mapping Approval process, the Mapper submits a mapping for review. When submitted, the mapping status is set to

Complete. The Developer can approve the mapping, which sets the Rule Status to In Progress. The Developer can also select an option to set the Rule Status to Complete when approving a mapping.

Mapping Status values are:

- **Pending Review** – The default value indicates that a mapping has been either:

    - Synced with Target Design but work on the mapping has not begun.

    - Synced with Target Design, has been worked on, but the saved changes did not pass validations.

    - Reset by a Mapper or a Developer. Mappings can be reset on the *Field Mappings* page or on the *Mapping Approval* page.

- **Design Required** – The mapping has been reviewed by a Developer and rejected on the *Mapping Approval* page. The Mapper must update the mapping and submit it again.

- **Complete** – The mapping has been submitted when the Mapper has finished creating the mapping and clicks the Submit or Submit All icons on the *Field Mappings* page.

Rule Status values are:

- **Pending Review** – The default value indicates that a mapping for the rule:

    - Has not yet been submitted.

    - Has been submitted and is waiting for Developer review.

    - Has been reset by a Mapper or a Developer. Mappings can be reset on the *Automation SQL Field Mappings* page, the *Field Mappings* page, or the *Mapping Approval* page.

- **Revision Requested** – The mapping for this rule has been reviewed by a Developer and rejected on the *Mapping Approval* page. The Mapper must update the mapping and submit it again.

- **In Progress** – The mapping has been approved on the *Mapping Approval* page.

- **Complete** – The mapping development has been completed. A user clicked the Create and Complete icon on the Automation *SQL Field Mappings* page or the Create All Rules icon on the *Automation* page. A Developer clicked Complete on the *Mapping Approval* page.

Target Design

- The Derived from Source field has been added to the Target Fields page. It allows the user to include or exclude a field from an insert rule when building the rule in SQL Automation.

- When a lookup table is registered in Target Design, it is registered as a source table with a status of Documentation and a rule priority offset of 50000 so that it is sorted last. Documentation sources are not processed but are a reference item to see all the sources of data.

Information Steward Accelerator (ISA)

- In dspCompose™, on the *Template (Role Excel Column Control)* page, the Include, Exclude, and Exclude If Null options have been moved to the toolbar to allow updates to multiple records.

- In dspCompose™, if columns have been previously imported and a new column is added to a template, when the columns are imported again, the new column is added but there are no updates to existing columns.

- In dspCompose™, on the *Template (Post Message Tables)* page, a user can identify the Integrate template ID specific to the post message tables if a dspCompose™ template is associated with a multi-template process in Integrate.

- In ISA, a user can set a schedule for when workflow notifications are sent so that users in a distribution do not receive numerous emails. Refer to "Schedule when Workflow Notifications are Sent for a Project Distribution" in the online help for more information.

- Instructions for the CTS process for ISA have been added to the help.

Data Stewardship Platform (DSP™)

Collect

NOTE: Due to the changes in the naming of the Data Services objects (datastores, jobs and data flows) to improve the integration of the DSP™ and Data Services (described in the following bullets), the Collect Packages using Data Services as the package type (both RFC and standard) **must be rebuilt** from Collect in the DSP™ application.

- In Collect, for a target source, the data store created in Data Services now has the target source name as part of the name when using an SAP Data Services using RFC package type (for example, <DS_SAP_SOURCE1_RFC>) to allow multiple sources to download to a single DS repository.

- A validation message has been added in Collect on the *Tables* page for Data Services or Data Service using RFC package types to let the user know if a data services repository is not assigned on the *Target* page's vertical view.

- In Collect, the Data Services using RFC package type can only be used by a target source with a connection type of SAPAPPSERVER. The Manual Data Services package type is now available for Data Services connections.

- In Collect, on the *Tables* page's *Vertical* View Advanced Settings tab, a user can now edit the package name for a Manual Data Services package or accept the default name for the package.

- In Collect, when a table is added to a target source with SAPAPPSERVER as a source type, the package type now defaults to SAP Data Services using RFC regardless of the package type set in Common on the *Parameters – Collect* page > Package Info tab.

- A Do Not Delete check box has been added in Collect on the *Target Sources* page's *Vertical* View so that a user can choose whether or not data is automatically deleted from the target table when the target data is built and refreshed. This option has been added to support change data capture with Data Services.

Excel Integration

- A user can now update data in the DSP™ from an Excel spreadsheet created by the user (based on the current DSP™ page) or from a spreadsheet previously downloaded from the DSP™. Refer to "Import Data" in the online help for more information.

- The default values from the page are now applied for records inserted via Excel Integration. Refer to "Import Data" in the online help for more information.

Integrate

In Integrate, the Delay Between Records field has been added to the *Process* page's *Vertical* View. It allows the user to set the amount of time, in milliseconds, that passes after processing of one record is complete and processing of the next record can begin.

Online Help

A glossary has been added.

Resolved Issues

Advanced Data Migration (ADM)

Map

- An issue occurred when generating a snapshot for Wave Gate metrics. If the snapshot contained a large number of records, the daily service page that calculates metrics failed. With the fix, the service page runs with no errors and the metrics are calculated.

- An error occurred when building reports with remediation that did not allow the reports to generate. The field length of the Specifications Section field on Transform's *Target Reports* page has been updated to unlimited, which corrected the issue. With the fix, remediation reports generate.

- An issue occurred when syncing a target between Target Design and Map. After an initial sync, if the sync process was run again, the process took longer than expected to complete. Updates were made to correct the issue, and the second time a sync process runs, it now completes in an acceptable amount of time. [DSP-7309]

Target Design

An issue occurred that prevented a user from adding a source when the number of roles and role key values was in the thousands. After a user clicked Add, the processing icon displayed followed by a network connection error. With the fix, an Insert statement in a stored procedure was optimized and a user can add sources without receiving the error.

Transform

- When Generate Documentation is enabled, an error occurred when the object, target, or target source table name was more than 50 characters long. With this fix, the object, target and target source table names are allowed to be up to 128 characters in length. [DSP-7128]

- An issue occurred where the segmented reports displayed the total record count for the report as if it was not segmented. With this fix, each of the segmented reports displays the record count for the individual report. [DSP-6035]

- An error occurred when special characters were used in segmented reports. The report would not save, validate or run successfully. With this fix, the report runs successfully. [DSP-6505]

- An error occurred when attempting to execute the Source Rule in Transform due to the EscapeObjectName function used by the framework. With this fix, the Source Rule executes without error. [DSP-6523]

Information Steward Accelerator (ISA)

- In ISA, timeout issues and deadlocks occurred during report generation under specific conditions at a client's site. When the view the report was based on contained a large number of records (15,000), the report did not generate. Indexes have been added to decrease the processing of the report SQL. [DSP-7214]

- An issue was found when processing and generating workflows. An incorrect Project Distribution was listed in the email body. With this fix, the correct Project Distribution now appears in the email body. [DSP-7120]

- An issue was found when processing and generating workflows and the user was not receiving the appropriate workflows. It was found that the User ID appeared in the email body instead of the User Name. With this fix, the User Name appears in the email body. [DSP-7119]

Data Stewardship Platform (DSP™)

Collect

- Errors occurred during the Build Package process on AIX for DB2 ODBC. The ODBCDB2AIX connection type is available for Source Connection Types for the build/refresh process. With this fix, the Build Package process executes with no errors.

- In Collect, post action rules would fail because of missing brackets around columns names. With the fix, in Common, on the Collect configuration *Post Action Rule Table Column* page, when a column name is added the rule is created with the column name in brackets.

- Fixed an issue in Collect which affected Oracle replications in DBMoto®. [DSP-6741]

Common

An issue occurred where the import event on the System Type Import page did not check for whether or not a check table entry already existed for a field. It continued to add them resulting in duplicate entries. With this fix, there are no duplicate check table entries. [DSP-7056]

Integrate

An issue occurred when posting data using the post method BOAFileCreation. If the process post was based on a template view that contained thousands of records, the file creation process could take over an hour. The method for writing files using this post method has been updated. With the fix, these same files are created in under 10 minutes.

Online Help

- In online help, the *Target Fields* page field descriptions was updated with this note: "NOTE: If the field is Natural, the Verify Post Load check box is enabled by default when a user clicks the Activate icon on the Page toolbar."

- In online help, references to DTS packages were removed. Supported SQL versions have been updated to 2012 and 2014.

- Fixed a link that was missing in an ISA topic. [DSP-6938].

System Administration

- A default setting for hover views at the page and page column level has been changed. Hover view text is now escaped, i.e., is not rendered as HTML. If a hover view's text must be displayed in HTML, the user must add a View Type of Hover view to the column and assign it a control type of HTML area. [DCR-583]

- In System Administration, setting up a custom Security Role that only provides access to a single wave-process area and limited objects did not prevent assigned users from seeing additional process areas and objects. Security checks were added to the Wave: Process Areas and Process Area: Object to prevent users from seeing process areas and objects they were not assigned to.

- In System Administration, an error occurred when navigating to the *Security Definitions* page after a record was deleted from the *Security Definition Keys* page because the values for the key record were orphaned in the key value table. With the fix, the key definition and value records are deleted and the *Security Definitions* page loads correctly.

- In System Administration, the tasks were not visible on the *Failed Jobs* page's *Vertical* View for the General job type. The Tasks option was added to the *Failed Jobs* page's *Vertical* View. With this fix, the tasks are now visible.

- Failures occurred at a client's site for reports due to incorrect syntax in the code when object names contain spaces or special characters. With this fix, the reports are generated with no failures.

- Members of the Migration Developers group could not see the data source in Analyze after adding a data source in System Administration (on the *Data Sources* page). The DataSourceID was added to the Migration Developer Security Role which allows migration developers to see the data source when viewing the page.

- The email address for license requests has been updated to licenserequests@boaweb.com.

- When a validation failed for a soft required field, a warning message displayed. With the fix, validation failures for soft required fields return an error.

- When a validation for a soft required field was created, it was saved with a nonstandard name and description that made identifying the validation difficult. With the fix, the name follows this naming convention:
  [TableName] + [ColumnName] + NN + "Val"
  The description that displays for a validation failure is clear: the target field names are translated, and instructions to remediate the issue are included.

- When a validation for a list source was created, it was saved with a nonstandard name and description that made identifying the validation difficult. With the fix, the name follows this naming convention:
  web[PageTableName]_[ColumnName]_NotInListVal
  The description that displays for a validation failure is clear: the target field names are translated, and instructions to remediate the issue are included.

- When a validation failed for a list source, a warning message displayed. With the fix, validation failures for list sources return an error.

- The issue of an exception being thrown during an Excel file upload when the drill down criteria contained a column which did not exist on the underlying table for the page has been fixed. [DCR-576]

Enhancement Requests from the User Base

Information Steward Accelerator (ISA)

- In ISA, the user can activate or deactivate one or more users selected on the *Project Distribution Users* page.

Data Stewardship Platform (DSP™)

- In online help, page navigation has been added to all field description topics.

- In online help, information has been included about how to Use Field Groups with Target Sources Other than the Default (*) Field Group.

- In online help, a note was added to clarify using the RuleXref and Xref actions: "When mapping fields on a multiple key lookup table, concatenate the fields with a ":" separator, for example, field1:field 2."

- In online help, the naming convention for packages (#Database#%#Source#%) has been added. Refer to "Create Packages" in the online help for more information.

- When in edit mode, if the user clicked an element on the page which resulted in a navigation, the record changes could have been lost. With the fix, the system displays a warning that the record changes can be lost and the user is required to confirm the action.

- In System Administration, added a parameter to adjust the number of days prior to expiration the license expiration warning message is displayed.

Known Issues

Information Steward Accelerator (ISA)

- In ISA there is currently a known issue around the promotion of ISA contents between DSP environments. The issue is caused by the changes that occur in promoting code between SAP Information Steward environments. Currently the Project Distribution Rule Binding details are not transferred correctly between environments and as such get recreated with defaults in the target environment. A patch is being worked on to resolve this based on the 6.5.3 release and will be made available to all customers with a multi tiered environment when available.

Last Updated on 8/29/2016