

ONESOURCE INDIRECT TAX INTEGRATION FOR ORACLE 12 PRODUCT UPDATES

VERSION 5.4.0.0

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For additional information, see the following on the ONESOURCE Support Network:

- [ONESOURCE Indirect Tax Platform Support Guide](#)
- [ONESOURCE Indirect Tax Global Software Suite End of Product Service Notice Update](#)
- [Product Updates for Previous Versions](#)

UPDATE SUMMARY

This release of the ONESOURCE Indirect Tax Integration for Oracle 12 is a minor update with new features, enhancements, and bug fixes. The following are the highlights for this release:

- **Payables Tax Calculation:** Payables (AP) now makes a full online tax calculation. The call is invoked when validating the AP invoice, when using the Tax Details button, or the Calculate Tax button on the AP Workbench. The Sabrix Tax Process is run to process the Integration-accrual logic and to store the transaction information in the ONESOURCE Indirect Tax Determination Audit tables.
- **Expanded Oracle eBTax configuration:** Unique authorities are now defined in Oracle while maintaining the streamlined setup process.
- **Automatic Tax to Rate Flow Creation:** After defining default tax flows, the Integration can automatically create Tax to Rate Flows for ERP Tax Codes returned from Determination that are not defined in Oracle. This allows the flows to be created and the transactions to be processed.
- **New Reports:** Two new reports, Sabrix New Tax Flows Report and GL Tax Account Discrepancies For Sabrix Tax Rate Codes, have been created to aid review of the Tax to Rate Flow information.
- **XML Parser:** Significant processing time improvements have been made to the parser component of the integration. This is the last part of improvements implemented to our tax call interface, resulting in significant reduction in processing time.

FUNCTIONAL CHANGES

SABRIX LOG MANAGER REPORT

- Issue:** The list of values for the Sabrix Log Manager report parameters 'Document Number' and 'Request ID' did not contain values for specific document numbers or request id. Instead, all were selected. In addition, the report completed in error when the 'Document Number' parameter was set to 'ALL Invoices' and the 'Request ID' was set to 'ALL REQ'S'.

Solution:The report parameters contain a list of values and the report completes successfully with specific 'Document Number' and/or 'Request ID'.. The Sabrix AR Log Manager Report and Sabrix AP Log Manager Report have been consolidated into one report 'Sabrix Log Manager'. The consolidated report is now registered under the Tax Manager responsibility.

SABRIX LOG REPORT

Issue: The list of values for the Severity parameter in the Sabrix Log Report did not contain values.

Solution:Sabrix Log Report has been modified to include a list of values for the Severity parameter. The list of values contains the following: ERROR, USER, XML, WARNING and TIMING.

REGISTRATION NUMBERS

Issue: Registration numbers defined in Oracle on a party level were not passed to Determination for O2C and PO transactions, only the site level registration numbers were passed

Solution:All registration numbers defined for a customer or vendor at the party and site level for the transaction are selected and sent to Determination for use in the tax calculation.

RETAIN_DATA PARAMETER

Issue: **Retain_Data** parameter value did not display on the *sabrix_install_integration.sh* script log for upgrade installations.

Solution:Sabrix_Install_Integration file now has 'retain data prompt' displaying in log file.

TAX EXPENSE ACCOUNT

Issue: **Get Tax Expense Account** values entered on the *sabrix_stage_config.dat* were not displayed on the *sabrix_insert_config.sh* script log file output.

Solution:When the Get Tax Expense Account is entered on the *sabrix_stage_config.dat*, it now displays in the *sabrix_insert_config.sh* script log file output.

DEFAULT TAX FLOWS

Issue: Transactions failed to process if a Tax to Rate Flow was not defined in Oracle for the ERP Tax Code returned from Determination.

Solution:Creating a pre-defined default Tax to Rate Flow (named 'DFLT') with default accounting allows a new Tax to Rate Flow to be automatically created for the unexpected ERP Tax Code for a specific authority. The transactions are allowed to be processed.

NEW TAX FLOWS REPORT

Issue: Users needed an easy method for identifying Tax to Rate Flows created by Integration.

Solution: A new report, *Sabrix New Tax Flows Report*, provides visibility to all the Tax to Rate Flows created by the Integration.

NEW ACCOUNT DISCREPANCIES REPORT

Issue: All the Tax to Rate Flows associated with the same ERP Tax Code but with different authorities should have the same general ledger accounts. If the general ledger accounts are different, users need to be notified.

Solution: A new report, *GL Tax Account Discrepancies For Sabrix Tax Rate Codes*, lists Tax Rate Codes for the same ERP Tax Code where the general ledger accounts are different.

AP TAX ONLY INVOICES

Issue: Tax Only invoices created in Oracle Payables were not processed by the Sabrix Tax Process.

Solution: Enhancements were made to the Sabrix Tax Process to include Tax Only invoices.

AP TAX ALLOCATION SUPPORT

Issue: The tax allocation functionality in Oracle Payables was not working with Oracle tax partners.

Solution: Oracle released patch 10265395:R12ZX.B to fix this issue.

AP SABRIX TAX PROCESS LOG FILE

Issue: The concurrent log output for the Sabrix Tax Process contained inconsistent logging of the procedure name from which the log entry is generated. The output also displayed an error message, 'Error selecting tax id'. The message could safely be disregarded but it was misleading.

Solution: All log lines correctly identify the procedure from which log entry is being added. The 'Error selecting tax id' error message no longer appears in the concurrent log.

TAX FLOWS

Issue: Multiple tax rate flows appear to be created using the `sabrix_stage_config.dat` file.

Solution: The configuration creates tax flows based on the data contained in the `sabrix_stage_config.dat` file. In this case, the file was created with both a tax direction specified for the ERP Tax Code and without a tax direction specified. The configuration will create two tax flows when it is processing a directional tax that does not specify the tax direction. i.e. the entries in the `sabrix_stage_config.dat` file should have a tax direction or should only have one entry.

AP: NON-RECOVERABLE TAX LINES

Issue: Non-recoverable tax lines on AP invoices were posted to the Tax Recoverable/Liability Account on the Tax Rate Code, instead of the Tax Expense GL Account associated to the Tax Rate Code.

Solution: The Recoverable tax amount posts to the Tax Recoverable/ Liability GL Account associated to the Tax Rate Code. The non-recoverable tax amount posts to the Tax Expense GL Account associated to the Tax Rate Code.

AP TAX CALCULATION

Issue: The addition of authority-level Tax to Rate Flows resulted in Tax Rate Variance distributions and zero dollar tax lines on PO matched AP invoices. This occurred where tax was calculated on the matched PO.

Solution: The eBTax call from AP has been changed to invoke full tax calculation. The call is invoked when the AP invoice is validated, clicking the Calculate Tax button, or when utilizing the Tax Details button. The Sabrix Tax Process is run to invoke the Integration accrual logic and to populate the transaction data into the Determination Audit tables.

TECHNICAL CHANGES

EBTAX CONFIGURATION CHANGE

Issue: The Integration applied the same Tax to Rate Flow (specifically, tax name within the same regime) for multiple taxes within the same ERP Tax Code that were returned from Determination. This design was inconsistent with the Oracle intended design. This configuration change is the identified fix for AR credit memo bugs and an AP invoice match to a PO issue.

Solution: The eBTax Regime to Rate flow configuration has been expanded to include setting up unique authorities, thus creating a unique tax regime and tax for each tax applied to the same transaction line. This change resolved the credit memo use cases and the AP invoice matched to a PO issues.

INSTALL ERROR WITH O2C

Issue: Due to an error in the query of applicable regimes in the Setup Regime from Staging procedure, new regimes would not be configured if performing on O2C only configuration.

Solution: The query has been corrected to use the correct installation parameter. The O2C only installation successfully creates new regimes.

INSTALL PACKAGES ONLY

Issue: For testing purposes, an enhancement request was made to create an installation option to only install the packages and views, leaving schema objects, value sets, and profile options intact.

Solution:A new parameter has been added to the install script for **PACKAGES_ONLY**. When the parameter is set to 'Y', the *sabrix_install_integration.sh* will only execute the *sabrix_common_packages.sql*. Depending on the values of the **INSTALL_O2C** and **INSTALL_P2P** parameters, the scripts *sabrix_o2c_packages.sql* and *sabrix_p2p_packages.sql* will be executed. This feature will fail if the 5.4.0.0 integration has not already been installed.

SERVICE PROVIDER MAPPING

Issue: Deleted Oracle AR invoices were not deleted from Audit.

Solution:The Oracle eBTax Service Provider Mappings for the eBTax Service Type of UPDATE_DOCUMENT has been implemented. The UPDATE_DOCUMENT is called only when an Oracle AR invoice is deleted and has no impact on tax calculation.

CONNECTION TABLE COLUMN LENGTH

Issue: Discrepancies in the column lengths between the Sabrix_invoice table and Oracle could cause errors such as 'ORA-06502: PL/SQL: numeric or value error: character string buffer too small'.

Solution:Return values for exempt_certificate_number and exempt_reason have been truncated to 80 bytes and 240 bytes respectively to avoid possible "ORA-06502: PL/SQL: numeric or value error: character string buffer too small" errors.

PARSING OUTDATA XML

Issue: In parsing the OUTDATA XML document, only a String XML parser was available in previous releases. The String XML uses an XML tag stack and PL/SQL String functions like instrb and substrb. The performance is slow and the coding logic was hard to comprehend, thus making coding changes challenging when the XML document SPEC changed.

Solution:An XMLType parser was created on top of the new technology in XMLDB. The new parser uses XMLTYPE, XMLTABLE and XPATH that makes the XML tag structure very clear in the parsing coding. This allows for a better structure, improved performance, and ease of changing parsing coding logic.

TOO MANY OPEN HTTP REQUESTS

Issue: During high volume AutoInvoice processing, an error occurred during the request phase of the HTTP transaction with the Determination engine. The integration would not close the open request. A "too many open HTTP request" error was thrown.

Solution:Upon encountering an error during the request phase, the integration now closes the open HTTP request returning the request to the pool of available HTTP connections.

CONTENT TYPE HTTP REQUEST HEADER FIELD

Issue: An enhancement request was made to update the Integrations to set the Content-Type HTTP request header field defining the media type.

Solution:Added 'Content-type|text/plain' to the request header of HTTP Post request to the Determination engine to avoid the network router having to guess the content type and altering the request header as a result.

OM DOCUMENT AT A TIME

Issue: The integration incorrectly processed the transaction as a Document at a Time transaction and failed when processing the second line of the transaction. This occurred when the profile option 'eBTax: Sabrix Calculate OM Document Tax' was set to either null or 'Yes' and the Tax Event on the Transaction Type for the transaction was not set (i.e. is null)

Solution:The Integration has been modified to only treat a null profile option, '**eBTax: Sabrix Calculate OM Document Tax**', value as Yes if the **Tax Event** is set to *Booking* and to treat a null **Tax Event** as *Entering*.

OM INDATA XML

Issue: Tax calculation did not return any tax results if the sales order line did not have a **Ship From** location at the time of the tax call, causing missing line information in the INDATA XML. This occurred when the **Ship From** is derived using sourcing rules or a pre-calc applied after the tax call.

Solution:The SABRIX_OM_LINES_V view now allows sales order lines without a Ship From location at the line level, thus allowing Sourcing rules or pre-calcs to be applied after order booking. If the Ship From is not applied in a pre-calc, then Determination will use the Ship From based on the sales organization of the sales order.

INVENTORY REQUISITION

Issue: Purchase requisitions using inventory source rather than supplier source caused a tax processing exception due to a null ship-from location.

Solution:Purchase requisition processing now avoids a hard exception when processing purchase requisitions with a null ship-from location

AP CANCELLED INVOICES

Issue: Cancelled Payables invoices were not reversed in Audit.

Solution:Sabrix Tax Process now ensures that cancelled invoices are properly reversed in Audit.

AP INVOICE DISTRIBUTIONS OUT OF BALANCE

Issue: Under certain conditions the **Sabrix Tax Process** would encounter differences between Buyer and Seller merchant role tax calculations that would result in unbalanced distributions.

Solution:The **Sabrix Tax Process** now uses the Buyer merchant role tax result to ensure balanced distributions.

AP UNBALANCED REVERSED ACCRUALS

Issue: Payables tax expense distributions created via allocation requiring reversal due to re-processing were not being picked up; only the accrual distributions were reversed. This left the reversed distributions unbalanced.

Solution: Payables tax expense distributions created via allocation which require reversal due to re-processing are now correctly picked up for processing.

AP INCORRECT INVOICE HOLD

Issue: Tax Shortpay Hold was not being placed correctly on fully paid AP invoices with associated Direct Pay Permits. Only the Tax Process Error hold was being placed

Solution: Sabrix Tax Process now places both the Tax Shortpay Hold and the Tax Process Error Hold on fully paid Direct Pay Permit invoices.

SABRIX AP ACCRUAL REPORT

Issue: AP Invoices with vendor names greater than 80 characters were not inserted into the `sabrix_transactions_ap` table. Therefore, they were not displayed on the Sabrix AP Accrual Report.

Solution: The Vendor Name is truncated to fit the column width in `sabrix_transactions_ap` table, thus invoices with vendor names greater than 80 characters will be inserted into that table. The invoice then properly displays on the Sabrix AP Accrual Report.

AR INVOICE COLUMN IS_CREDIT

Issue: The `Sabrix_Invoice` column, `IS_CREDIT`, was unmapped

Solution: The `Sabrix_Invoice` column '`IS_CREDIT`' is mapped to 'Y' if `gross_amount` or `tax_amount` < 0.

AR LINES ONLY CREDIT

Issue: Credit memos created against invoices in Oracle Receivables using the allocation of 'Lines Only' also credited Tax upon completing the credit memo.

Solution: The list of conditions for setting the `CALCULATION_DIRECTION` to 'R' were changed to include `RECORD_WITH_NO_TAX`. Thus 'Lines Only' credit memos do not credit Tax upon complete.

AP MISC LINES

Issue: The Sabrix created Miscellaneous Lines are created with a null Ship-To. This caused an error during the AP approval process. The AP approval process re-calculates tax on all the invoice lines and expects the invoice line to contain a Ship-To value.

Solution: The Sabrix created miscellaneous lines are excluded from the calculation.

SABRIX XML REPORT

Issue: The Sabrix XML Report did not list the AP invoices in the LOV for this report's input parameters when the 'eBTax: Sabrix Company' profile option is set to 'BALANCE_SEGMENT' or 'SEGMENTx_VALUE'.

Solution: The `sabrix_document_v` was modified to allow for `sabrix_invoice.unique_invoice_number` that has a company segment appended. Such an invoice will now appear on the LOV for the XML Report.

AP COMPANY ID

Issue: When the 'eBTax: Sabrix Company' profile option was set to either 'BALANCE_SEGMENT' or 'SEGMENTx_VALUE', the P2P package was unable to determine the Company ID to send to Determination.

Solution: When the 'eBTax: Sabrix Company' profile option is set to either 'BALANCE_SEGMENT' or 'SEGMENT* _VALUE', the integration will derive the company ID from the 'BALANCE_SEGMENT' or 'SEGMENTx _VALUE' values in the GL Accounts Liability field in the Financial Options (AP>Setup>Options>Financial Options on the Accounting tab).

AP RECOVERABLE LINES

Issue: Project information was updated on the Sabrix tax recoverable lines. Project information should be populated only on the Sabrix expense lines.

Solution: The Sabrix Tax Process has been modified to include project information only on non-recoverable expense tax lines.

AP COUNTRY PROFILE OPTIONS

Issue: Invoices were not going on VAT out of tolerance hold as expected. This occurred when the AP Hold profile option was defined at the country level in Payables.

Solution: The integration now determines the taxable country to use for looking up country level profile settings when the taxable amount on the tax block is zero. Thus, the country level profile option is taken into consideration.

AR TAX ONLY CREDITS

Issue: Receivables credit memos using the Credit Allocation of Tax Only were not reflected in Audit.

Solution: The calculation direction is set to 'R' for the tax only credit, allowing Determination to properly post the Tax Only Credit to Audit.

ADAPTER LOGGING

Issue: Log messages in a pre-calc user exit were not written to the Sabrix Log table.

Solution: Sabrix Log table messaging has been enabled for pre-calcs during the AP Sabrix Tax Process concurrent process.

AP SHIP-TO COUNTRY

Issue: In version 5.3.0.0, some VAT invoices with ship-to locations populated at the line level and not at the distribution level were placed on Distribution Variance Hold due to incorrect derivation of ship-to country.

Solution: In version 5.4.0.0, all ship-to locations MUST be populated on the line level, and the ship-to country is correctly derived.

AP VENDOR TAX REVERSAL

Issue: Vendor tax lines reversed by the Sabrix Tax Process did not properly set the Projects fields. This occurred when the eBTax: Sabrix AP Tax Grouping Rule profile option is set to 'PROJECT' or 'CUSTOM'.

Solution: The Sabrix Tax Process has been updated to properly set the project fields on the Sabrix Reversal: Vendor VAT tax line. The project values properly match the reversed Vendor Charged Tax line.

AP PURGE AUDIT

Issue: The AP purge_audit function did not check for severity 2 errors.

Solution: The purge_audit function has been modified to check for severity 2 errors during the purge call.

AP INDATA MAPPING

Issue: Discrepancies were identified in the Input XML fields between the AP Sabrix Tax Process and the P2P call.

Solution: Four column mappings were added. See the ONESOURCE Indirect Tax Integration for Oracle 12 Installation and Configuration Guide mapping appendix for more information.

BUG NOTES

AP PREPAYMENT

Issue: Setting the Sabrix Company profile option to SEGMENTx_VALUE and applying an AP Prepayment invoice with a different balancing segment to an AP Standard invoice causes the Sabrix Tax Process to error.

Workaround: Post the AP Prepayment invoices to the same company segment as the AP Standard invoice.

FIXED ASSET AP INVOICES

Issue: A portion of the tax amount for a non-asset line is charged to the fixed asset line for an AP invoice with two item lines where one line is posted to an asset clearing account and the other one is charged to a non-asset account.

Workaround: Enter separate AP invoices for Fixed Asset and Non-Asset item lines.

AP ACCRUAL REPORT

Issue: The Sabrix AP Accrual Report does not display all the tax distribution lines when run as Invoice Display Detail. The Summary Recap at the end of the report is also incorrect. The report is also missing cancelled AP Invoices. The Determination Audit tables have the correct information for all AP transactions including the cancelled AP invoices.

Workaround: Run the Sabrix Accrual Report with display detail as 'Line' or 'Rollup Line'. The detail is correct except for cancelled AP invoices, but the Summary Recap at the end of the report is still incorrect.

QUOTE LINES

Issue: Transactions created in Oracle iStore or Oracle Quoting for configured items have the same line number in the `aso_quote_lines` table. The non-unique line numbers cause errors in the integration. The Integration requires a unique index (comprised of `batch_id`, `invoice_id`, and `line_number`).

Workaround: Contact ONESOURCE Indirect Tax Customer Support

P2P ERROR MESSAGE PROPAGATION

Issue: Tax Partner error messages from the `sabrix_tax_p2p.calculate` procedure do not display on the Oracle forms for purchasing or payables transactions. The purchasing transactions are not taxed, but can be saved and approved. The payables transactions will display a generic message and the transaction cannot be completed.

Workaround: Run the *Sabrix Log Report* for the purchasing document number to view the error messages. Review FND logging for payables transactions.

External Reference: Oracle SR: 3-4199438391

INSTALLATION SCRIPT

Issue: The installation script `sabrix_create_syn_ap.sql` creates two synonyms for objects that are obsolete. The synonyms are not referenced and no errors are generated.

Workaround: The synonyms can be ignored or a DBA could drop them as follows:
Drop synonym APPS.SABRIX_PROCESS_CONTROL_AP
Drop synonym APPS.SABRIX_REPORT_INVOICE_AUDIT

XML TAGS

Issue: The XML tags for Bill To Party Name and Bill To Party Number are null for the tax call at the time of booking, if the Tax Event on the Order Management Transaction Type is set to 'ENTERING'.

Workaround: The Tax Event on the Order Management Transaction Type can be set to 'BOOKING' or a pre-calc can be created to derive the values.

REGISTRATION NUMBERS

Issue: The Integration does not gather the registration numbers on the Bill-To site if the Ship-To site is null on the O2C transaction and the 'eBTax: Sabrix Use Bill-To for Null Ship-To' profile option is set to 'Yes.'.

Workaround: Registration numbers can be entered in Determination, at the Party Tax Profile level, or a Ship-To can be entered on the transaction. Alternatively a pre-calc can be created to send the Bill-To registration numbers in this situation.

AP INVOICE RE-VALIDATION

Issue: Re-validating an AP invoice after discarding an invoice line or changing the Ship-To on the invoice line, encounters an 'Unexpected error' Oracle error message.

Workaround: None.

External Reference: Oracle SR: 3-5298566821

AR TAX ONLY

Issue: Audit does not reflect the tax amount on the header for Tax Only invoices and credit memos created in Oracle Receivables. However, the tax amount on the line is properly reflected in Audit.

Workaround: A pre-calc can be written to update the tax amount on the header.

AP PREPAYMENT INVOICES

Issue: An error is encountered after applying the prepaid invoice to a standard invoice. The standard invoice is unable to be validated. Distribution lines become out of balance.

Workaround: None

AP RECURRING INVOICES

Issue: An error message is encountered during the Create Recurring Invoices process in Payables and the invoices are not created. The error message is: 'APP-SQL AP-10000 ORA-0000 normal, successful completion occurred in Get-Quote<-Calculate_Tax<-Post-Query<-CREATE_REC_INV with parameters (&PARAMETERS) while performing the following operation Calling Payables eBTax API'

Workaround:None

DOWNLOADING AND INSTALLING THIS RELEASE

There are two files to download for this release. To download and install this release:

1. Retrieve the *ONESOURCEIDTIntegrationOracle12_5.4.0.0.zip* file from the ONSOURCE Indirect Tax Customer Center. To do so:
 - Open the Customer Center at <https://customercenter.sabrix.com/sabrixcc>
 - Log in using the **User Name** and **Password** provided by ONSOURCE Indirect Tax Technical Support.
 - In the **Available Products** list, verify that the Integration for Oracle 12 **Current Installed Version** is set.
 - Click the **Download** button for the **Integration for Oracle 12**.
 - Save the *ONESOURCEIDTIntegrationOracle12_5.4.0.0.zip* file.
 - Unzip the *ONESOURCEIDTIntegrationOracle12_5.4.0.0.zip* file.
2. Retrieve the *IntegrationOracle12SetupFile.zip* file from the ONSOURCE Indirect Tax Customer Center. To do so:
 - Log in (if not already) using the **User Name** and **Password** provided by ONSOURCE Indirect Tax Technical Support.
 - In the **Available Products** list in the Customer Center, verify that the Integration for Oracle 12 **Current Installed Version** is set.
 - Click the **Download** button for the *Integration for Oracle 12 Setup File*.
 - Save the file *IntegrationOracle12SetupFile.zip*
 - Unzip the *IntegrationOracle12SetupFile.zip* file.
3. Follow the instructions in *InstallGuideONESOURCEIDTIntegrationOracle12_5400.pdf*.

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