

ONESOURCE INDIRECT TAX INTEGRATION

FOR ORACLE 12 PRODUCT UPDATES



VERSION 5.6.2.0

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For additional information, see the following on the ONESOURCE Customer Center:

- [ONESOURCE Indirect Tax Integration for Oracle 12 Documentation](#)
- [ONESOURCE Indirect Tax Global Software Suite Product Support Lifecycle Guide](#)
- [Past Product Updates](#)

VERSION 5.6.2.0

UPDATE SUMMARY

This release of the **ONESOURCE Indirect Tax Integration for Oracle 12** is a patch release with some updates and known issue resolutions. The following are the highlights for this release:

- Fixed length issues for recoverable tax.
- Fixed issue for inserting a recovery rate code.
- Fixed issue with sabrix tax accrual showing 1 MISC tax accrual to multiple tax accrual.

- Issue was fixed where distribution lines were getting updated for discarded lines.
- Performance improvement is done for Sabrix Tax Program

FUNCTIONAL CHANGES

No functional changes done.

TECHNICAL CHANGES

Issue with parsing SOAP XML Parser

Issue: Performance issues were found with the xmlytype parser and finds that the character-based parser doesn't have similar issues. But when tried to use SOAP with the character based parser nothing gets parsed.

Solution: We have updated the Sabrix_xml.parse_chunk procedure in such a way it allows SOAP XML to parse.

P2P set country options don't handle AC tax properly

Issue: The problem is happening in the setcountryoptions procedure to determine the country to use in looking up the country level profile options. The setcountryoptions procedure doesn't consider the tax direction on the tax causing it to not determine a winning country.

Solution: We added TAX_DIRECTION to the c_tax_cur cursor. And then added a variable to hold the tax factor and Set the tax factor using the tax_direction.

O2C Audit not reversed properly

Issue: The customer is seeing a problem where there are multiple entries in audit for the same transaction but have different unique_invoice_numbers.

Solution: In the Sabrix_tax_o2c check_errors procedure we added calls to reverse_audit when errors happen

Updating Tax rate code results in error

Issue: For O2C tax codes, integration is updating it as recoverable without providing a recovery rate code.

Solution: We have added else insert tax code condition in our standard P2P code.

Multiple tax accruals instead of summarized

Issue: Customer is seeing 1 MISC Sabrix Tax Accrual and 1 MISC Sabrix Tax Expense distribution per Item line under an AP Invoice instead of one summarized Accrual and one summarized Expense distribution pre-upgrade for Invoice with multiple Item lines

Solution: We have Modify function locate_group in sabrix_tax_ap to check for BASIC accounting level

Set global flag to identify US invoice using OU not ship to

Issue: Customer would like to identify US invoice by OU not ship to

Solution: In sabrix_tax_ap and sabrix_tax_p2p the procedure set_g_us_invoice is modified to not use the ship to and always use the OU location to identify Invoice as US or Non- US

Pass all lines in audited call when Invoice is in tolerance

Issue: Customer expect to see all line details in audit instead of summarized when AP Invoice is in tolerance

Solution: Modified make_second_tax_engine_call in sabrix_tax_ap to check if there are more than 1 ship to use on the item lines of an in tolerance invoice and if there are send all the item lines in the 'INVOICE IN TOLERANCE' audit call.

Non-US invoices Don't make a delete audit call when Oracle makes a call to update_document

Issue: Non-US invoices Don't make a delete audit call when Oracle makes a call to update_document.

Solution: Added code to the Sabrix_tax_p2p.update_document procedure to make a call to Determination to delete any existing audit whenever Oracle makes a call to this procedure and the zx_global_structures_pkg.event_class_rec.event_type_code is set to 'STANDARD CANCELLED TAX'.

Tax amount needs to be calculated in Reporting currency and sent back to Oracle R12

Issue: In Oracle R12 integration, tax amount is returned in document currency to Oracle Payables in a field which expects the amount in functional currency. This happens in procedure map_results.

Solution: We have modified code in such a way that the field is populated with functional currency tax amount so that if any tolerances are configured in EBTax, those will be evaluated properly during the Invoice Validation process

Displaying in correct tax rate in Distribution DFF

Issue: Tax percentage is displaying incorrect in Invoice distribution DFF field Sabrix Tax Rate/Amount when we use State-level tax processing (USE CU IF CU < VCT < ST). Instead of displaying consumer's tax it's displaying seller's tax

Solution: We have updated sabrix_tax_ap. assignap2oracle in such a way correct amount is returned.

Tax Rate/Amount DFF should not be updated on Discarded Invoice Distributions

Issue: It was found that the Tax Rate/Amount DFFs is being updated on discarded item line distributions.

Solution: We have updated the code in such a way that if lines are reversed or discarded then tax should also get reversed.

ORA-06502 error when item line is discarded

Issue: When the item line is discarded on the invoice and tax call is made, it results in ORA- error. Since there are no item lines and p2p_cur is filtering the MISC lines, so tax call is not made. Since unique invoice number contains nonnumeric character it causes the error.

Solution: In sabrix_tax_p2p.calculate we made to tackle the issue.

Invoices with Tax Tolerance Hold also going on Line Variance Hold

Issue: Invoices with Tax Tolerance Hold also going on Line Variance Hold

Solution: Added the call to allocated_vendor_tax to the out of tolerance section of the determine_tolerance procedure when the tax control amount is not zero and the Determination amount nets to zero.

Wrong tax results returned during tax call

Issue: Tax amounts are doubled when US and non-US taxes are returned.

Solution: In sabrix_tax.compress_tax_lines changes are made.

AP – Tax Table after 2nd tax call not correct

Issue: Currently the tax table after the second tax call printed in the concurrent output and log of the Sabrix Tax Process shows the Tax Accrued in the Tax Amount column and Tax Accrued column shows the accrual amount divided evenly across the authorities returned for an item line.

Solution: Many changes are made in our code to handle this issue.

O2C – Performance issue with xml parsing

Issue: Observed slow performance while processing large invoices in the 5.6.1.1 release.

Solution: The sabrix_xmltype_parser_pkg has been refactored to use the new global temporary tables and eliminate the use of dynamic SQL for updating attributes on sabrix_line_out and sabrix_line_tax.

Performance issue with Sabrix Tax Process

Issue: Experiencing performance issues with Sabrix Tax Process even after creating function-based index as per Install guide on tax status attribute in the Invoice Distribution descriptive flexfield.

Solution: In View SABRIX_AP_ITEM_V replace where clause AND DECODE (aid.ATTRIBUTE2, 'R', 'Y', 'E', 'Y', 'A', 'Y', NULL) = 'Y' with AND aid.attribute2 IN ('R', 'E', 'A')

O2C – One more Performance issue on ZX_LINES_DET_FACTORS

Issue: Performance issue when the trx_level_type is selected from the zx_lines_det_factors table.

Solution: Added event_class_cod and entity_code query to get the trx_level_type from the zx_lines_det_factors table in the Sabrix_tax_o2c.assign_results procedure.

AR Adjustments not updating audit

Issue: When profile option Sabrix Audit on Complete is set to Y and an AR adjustment is entered against a completed and previously audited AR Invoice then expectation is that audit will be updated to reflect the adjusted tax amount.

Solution: Added a logic in sabrix_tax_o2c.synchronize procedure for event_class_code 'INVOICE_ADJUSTMENT' so audit flag is set to Y for adjustments in sabrix_invoice table.

Canceled AP Invoices not consistently updating Audit with reversals

Issue: When a previously audited AP Invoice is fully cancelled or previously audited AP Invoice having multiple external companies is partially cancelled then the ONESOURCE Reporting/Audit is not updated to reflect the reversal.

Solution: Change the reversal_flag predicate in the SABRIX_AP_ITEM_DETAILS_V view to include an OR conjunction with the AP_INVOICE.cancelled_date. No changes are required for the SABRIX_AP_ITEM_V view.

Non-US AP Invoice processed as US Invoice

Issue: During Invoice validation, non-US AP Invoice is processed as US Invoice and as a result not auditing and not going on hold when out of tolerance.

Solution: We have updated the code to handle this issue.

O2C - sales order Tax incorrect

Issue: Oracle is making multiple tax calls in such a way that on the last tax call the integration only has the last tax result in cache to work with. Because of the way the integration keeps track of what transaction line it is working with, the integration returns only the result for the line in cache and returns a Success status back to Oracle. The problem is the integration should have known that the cache was incomplete and triggered a new tax calc.

Solution: In sabrix_tax_o2c.calculate we did code change and added a logic to reset the g_om_index variable to zero.

AP - Expense reports getting excluded from Sabrix Tax Process

Issue: AP - Expense reports getting excluded from Sabrix Tax Process

Solution: In sabrix_Tax_ap.process_ap_invoices, we added a logic to include expense report while Sabrix Tax Process runs.

Invalid Tax jurisdiction code causing issues with AP line discard

Issue: Post upgrade when an invoice match to an existing PO they were getting issue while discarding the invoice line.

Solution: In sabrix_Tax_p2p.map_results changes are made in our code to handle this issue.

P2P - Issue with manual tax line logic

Issue: In 5.6.1.0 logic is added to bypass tax calculation whenever manual tax line is entered on the invoice. This logic is conflicting with PO matched invoices. When an invoice is initially imported with tax line and then discarded, integration still assumes manual tax line on the invoice when it is actually cancelled.

Solution: Added the logic to ignore \$0 tax lines

Sabrix Tax Process is failing with divisor is equal to zero error

Issue: The error is observed when processing Invoices where vendor charged tax is not same as sabrix calculated tax and hence the Invoice is eligible for positive (for undercharge) or negative (for overcharge) accruals but that is not happening due to the error.

Solution: Error is occurring in sabrix_tax_ap.define_transaction_type. When overcharge or undercharge profile is set to 'ACCRUE - Prorate By Tax' and vendor charged some tax for the AP Invoice where Sabrix calculated tax is zero due to exemptions then code needs to be modified so the divide by zero hard error does not occur.

Issue with tax calculation on Requisitions

Issue: Tax calculations are failing for all requisitions and tax is not returned to Oracle, though it is returned from integration to eBTax. This error is caused by incorrect assignment to trx_level_type in sabrix_tax_p2p.map_results.

Solution: Current query is assigning trx_level_type as SHIPMENT if application is not AP. We have rewritten the code and changed the logic.

P2P - Derive recovery rate code instead of hardcoding

Issue: Prior to recoverable tax solution Recovery rate code was hardcoded.

Solution: Did a code change in sabrix_tax_p2p to handle this scenario. With the new integration, we are either appending 'R' or 'REC_RATE' to the tax name to derive the recovery rate name.

Setting the debug profile to TIMING doesn't work for the O2C and P2P packages

Issue: SABRIX_TAX_AR and SABRIX_TAX_P2P packages never initialize the sabrix_log_pkg.g_start_time variable. Because of that the timings never show in the log for those packages when the debug profile is set to TIMING. The sabrix_log table timing column currently just shows ELAPSEDSECS[].

Solution: For the SABARIX_TAX_O2C set the variable in the package constructor.

Common – R12 description column no longer exists in zx_rates_b

Issue: The SABRIX_EBTAX package is invalid because in their system the zx_rates_b table no longer has a description column. Oracle appears to have dropped it from the zx_rates_b table so the description is only stored in the zx_rates_tl table. In one of the calls to zx_rates_pkg.update_row a reference to the zx_rates_b description is made causing the SABRIX_EBTAX package be invalid.

Solution: To allow the SABRIX_EBTAX package to be valid the c_drec_rate_rates cursor needs to select the description from the zx_ratets_tl table and use that in the call to zx_rates_pkg.update_row in the c_drate_rec loop.

Length issue with recoverable tax codes

Issue: While setting the extended tax codes in the erp_tax_code field using post-calc and using all 30 characters once the integration concatenate the sequence and it adds to the tax codes. Since the Sabrix_ebtax package also concatenate 'R' or 'REC_RATE' as suffix, total length goes over the 30-character limit on TAX_LINES_RESULT_TBL.prvdr_rec_rate_code, for the field recoverable rate. The transaction is missing the recoverable portion off the tax result.

Solution: In the SABRIX_EBTAX package constructor set the g_rec_rate_suffix variable to NULL if the Accounting Level profile is set to EXTENDED.

O2C – Inconsistent processing of country tax results

Issue: Before processing the tax result returned by Determination check the taxable countries against the list of regimes Oracle has stored in ZX_GLOBAL_STRUCTURES_PKG.detail_tax_regime_tbl and throw an error if a taxable country doesn't have a corresponding regime in the list.

Solution: Changed the code in SABRIX_TAX_O2C.CALCULATE to loop different.

Multiple Audit calls made at the time of AR Invoice Completion

Issue: If the profile "eBTax: Sabrix AR Audit On Complete" is set to Yes and the invoice is completed it is making two audit calls. When a manual invoice is completed Oracle is internally making two calls to the tax engine, first makes SABRIX_TAX_O2C.synchronize procedure which audits the tax call and then again it makes a call to SABRIX_TAX_O2C.calculate procedure which again makes a new audited tax call. If the profile "eBTax: Sabrix AR Audit On Complete" is set to Yes, then audit call should happen only within SABRIX_TAX_O2C.synchronize procedure.

Solution: We changed the procedure SABRIX_TAX_O2C.ASSIGN_INVOICE_HEADER.

Incorrect Vendor tax amount

Issue: Cursor is fetching incorrect vendor tax amount for US AP transaction during Sabrix tax process. This cursor fetches multiple records and sums the tax amount due to incorrect vendor tax amount State-level tax processing condition USE CU IF CU <= VCT < ST is getting failed and returning seller taxes instead of buyer taxes.

Solution: Many changes are made in our code to handle this issue.

BUG NOTES

There are no bug notes.

DOCUMENTATION

With this release of ONESOURCE Indirect Tax Integration for Oracle 12, only Product Updates are packaged in the zip file. All other guides will be available for download via the Knowledge Base located in the ONESOURCE Customer Center. To access documents follow these steps:

1. Open the ONESOURCE Customer Center at <https://tax.thomsonreuters.com/support/onesource/indirect-tax/?search=000102966>
2. Log on using the **User Name** and **Password** assigned by ONESOURCE Indirect Tax Customer Support.

DOWNLOADING THE SOFTWARE

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

1. Retrieve the *ONESOURCE/DTIntegrationOracle12_5.6.2.0.zip* file from the 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 Customer Support.
- In the **Available Products** list, verify that the Integration for Oracle 12 **Current Installed Version** is set to **None**.
- Click the **Download** button for the **Integration for Oracle 12**.
- Save the *ONESOURCEIDTIntegrationOracle12_5.6.2.0.zip* file.
- Unzip the *ONESOURCEIDTIntegrationOracle12_5.6.2.0.zip* file.

2. Retrieve the *IntegrationOracle12SetupFile.zip* file from the 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 Customer Support.
- In the **Available Products** list, verify that the Integration for Oracle 12 Setup File **Current Installed Version** is set to **None**.
- Click the **Download** button for the **Integration for Oracle 12 Setup File**.
- Save the *IntegrationOracle12SetupFile.zip* file.
- Unzip the *IntegrationOracle12SetupFile.zip* file.

3. Follow the instructions in *InstallGuideONESOURCEIDTIntegrationOracle12_5620.pdf*.