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Deltek Maconomy® 2.5.5

Release Notes

March 10, 2023

Contents

Overview

Welcome to the Deltek Maconomy 2.5.5 Release Notes.

These release notes contain a summary of the following:

- Pre-Installation Information
- Install Information
- Enhancements
- Database Changes
- Software Issues Resolved
- Known Issues

Note: People Planner Release Notes are now part of the Maconomy Release Notes and no longer a standalone document.

Pre-Installation Information

Please review the contents of this section before you install Maconomy 2.5.5.

Contents of this Service Pack

Maconomy 2.5.5 contains the following items:

- APU 2.5.5, including Touch 3.8.1 Web service
- TPU 2.5.5 with Maconomy Server 50.105.0.2110500611671
- PSO SPU 2.5.5
- Workspace Client 2.5.5
- Touch, including the Touch 3.8.1
- iAccess PU 5.0.0

Installation Preconditions

- **APU** – The APU in version 2.5.5 and in subsequent 2.5.5 Service Packs requires a TPU from the same Service Pack or from a Cumulative Update (CU) on the same release stream.
- **TPU** – Deltek recommends that you upgrade all TPU parts (in MConfig called Global tools, Application TPU, Application Portal TPU, Web TPU and Coupling Service TPU) whenever a Service Pack or a CU is installed.
- **MConfig** – MConfig 10.0 or higher is required for installation of the APU as well as the TPU.

  Note that the executable is renamed to:

  Windows: MConfig.10.sp000.cu000.0611785.arch-win32_x86-64.exe

  Linux: MConfig.10.sp000.cu000.0611785.arch-linux_x86-64
- **Touch** – If you are already using Touch but not the latest version, you *must* upgrade Touch on your server and ensure your users upgrade to the latest app.
- **iAccess** – If you are already using iAccess, you *must* upgrade iAccess on your server.

Technical Considerations

The following are technical considerations for Maconomy 2.5.5.

Core Maconomy Considerations

Known Issues

Review Known Issues for information on unresolved software issues, in particular, known issues introduced with this release.

APU Installation Notes

The Access Control for Approvers feature is included in this version, which provides restricted access to approval items. Maconomy 2.5.1 (and newer versions) comes with a default setting that can be modified

to support individual customer needs. Refer to the *Deltek Maconomy 2.5.x Enhancements Guide*, Deltek Tracking 1174941, for details, including recommendations on actions prior to going live with this release.

TPU Installation Notes

- The .bash shell (version 7.04) is required for all Unix/Linux installations.

- Customized dictionaries for the Workspace Client are handled by the Extender. Refer to the Extender Handbook for details. The Extender ensures that both dynamic and static texts are updated.

Surrogate Characters Not Supported

Surrogate characters are characters not representable in 2 bytes in UTF-16. They are mostly used in Chinese for representing seldom used characters. Maconomy currently does not support surrogate characters.

Local Characters in Variable Names

Variable names in MScript may no longer contain non-ASCII characters. As of version 2.1, Maconomy no longer supports the use of Scandinavian letters ('æ ø å Æ Ø Å') in variable names in all Maconomy languages, including MScript, RGL, portal files, and MSL.

Unnecessary Error Occurs During Installation

When performing an APU upgrade using version 2.4 GA or later of the Maconomy Server, a PPU_Warning related to popup values might appear in the PPUDebug file as PPU_Warning. These messages are expected during the APU upgrade process as the database is temporarily in a state that this neither the old version nor the new version. Ignore the messages and continue the installation. See defect 577837 for more information.

Default Database Query Timeout

The default database query timeout might interfere with Maconomy Analyzer report queries which are expected to run for more than 5 minutes. In you are using such Analyzer reports you can increase the database query timeout with the following setting in 'MaconomyCustom.ini':

> [ServerConfig]
>
> DB_Cancellation_DefaultTimeout = <timeout-in-seconds>

Touch Considerations

The following are the considerations for Touch app version 4.1.3:

- Deltek Touch for Maconomy supports mobile devices that run on Android 10 (or higher) and Apple iOS 15 (or higher).

> **Attention:** The Touch app 4.1.3 is compatible with both the Touch backend 3.8.1 and 4.1.3. The former is released with Maconomy 2.5.5, and the latter is released with Maconomy 2.6.1 C.U. 3.
>
> For installation requirements, see either the *Deltek Touch 3.8.1 for Maconomy 2.5.5 Installation Guide* or *Deltek Touch 4.1.3 for Maconomy 2.6.1 Admin Guide*.

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iAccess Considerations

Please note that if you have customized iAccess workspaces, there will be a task for an extension consultant to make these workspaces work after the upgrade to 2.5.5.

> **Attention:** For more information about the iAccess installation, see the *Deltek iAccess Install Guide*.

Statutory/BPM Considerations

The file that stores area-specific settings related to Statutory/BPM extensions and logging is renamed from server.ini to extension.ini.

> **Attention:** When running reports, you may encounter error messages that inaccurately refer to the extension.ini file as server.ini. All updates for Statutory/BPM related settings must go to the extension.ini file only.

Special Actions Prior to Upgrade

Upgrading to 2.5.5 includes actions prior to upgrade. See the *Deltek Maconomy 2.5.5 Upgrade Guide* for details.

Integration with CRM

With the 2.5.1 release, Maconomy only supports Vantagepoint 3.0, and no longer supports Vision 7.6 and DPS 1.1. The Vantagepoint SOAP APIs are deprecated in version 3.0, and consequently, the Deltek CRM Integration migrated to REST API.

Additional Actions in Upgrade Guides

Numerous features require critical upgrade actions. See the *Deltek Maconomy Upgrade Guide* for details.

Translations

For Danish, Dutch, English (GB and US), Norwegian, and Swedish, both Standard and Solution dictionaries exist. Solution dictionaries contain industry-specific terminology for select terms for the selected language. For example, the standard term "Job" in US English translates into "Project" in US English MCS and into "Engagement" in US English CPA.

For all languages, Engineering has verified that a solution can be installed with that language as Enterprise Language. For languages with a solution variant, only the solution variants are validated for use as Enterprise Language. If this validation is not completed, manual corrections to the import files is expected during installation of a solution.

Updated dictionaries are made available once released from Engineering.

Language	Validated as Enterprise Language
Swedish	No

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Language	Validated as Enterprise Language
Swedish (MCS)	Yes
Italian	Yes
Norwegian	No
Norwegian (MCS)	Yes
Danish	No
Danish (MCS)	Yes
Dutch	Yes
Spanish	Yes
French	Yes
German	Yes
Portuguese	Yes
English (UK)	No
English (UK, MCS)	No
English (US)	No
English (US, MCS)	Yes
English (US, CPA)	Yes
Chinese	Yes

Changes to Extensions Framework

The Extension Framework used for implementation of customizations and integrations is maintained and upgraded with new features enabling Business and Extension developers to handle even more requirements with less effort.

Migration from previous versions to the latest version of the Extension Framework may require few updates to existing extensions.

For more information about the latest version of the Extension Framework and migration please see the *Extension Framework Programmer's Guide*.

Documentation

Key Features of Documentation for Maconomy 2.5.5

Maconomy 2.5.5 Documentation includes the following new and updated documentation:

- Updated **Enhancements Guide** — Includes details of all the new features for Maconomy, including Touch, People Planner, and iAccess.

Locating Documentation Online

Internal Link — SharePoint

All documentation is available internally on SharePoint (drill down by product and version):

https://home.deltek.com/sites/products/Maconomy/Documents/Forms/AllItems.aspx

DSM

https://dsm.deltek.com/documentationlists/DeltekMaconomy255GA.html

Enhancements

This section gives a high-level summary of the key features for Maconomy 2.5.5.

> **Note:** For more information about the enhancements, see the *Deltek Maconomy 2.5.5 Enhancements Guide.*

General Application Enhancements

Controlling iFrame Refresh

Deltek Tracking: 1508595

You can now use pane and field updates as triggers to refresh inline frames (or iFrames) embedded in your Maconomy iAccess workspaces. This ensures that your iFrames always reflect the latest information from the application.

Long Text Single Dialog Workspaces

Deltek Tracking: 1243520

Single dialog workspaces for all fields using long text functionality are now available.

Resource Management

Calculation of Total Cost or Billing Price on Budgets Imported from People Planner

Deltek Tracking: 1528595

The total billing or cost price on budgets is now calculated as the sum of the billing or cost prices from resource allocation lines.

Touch

Simplified Azure Reauthentication

Deltek Tracking: 1824367

There are fewer reauthentication steps when you log on the Touch app again using Azure.

Performance

Improvement to AC Views

Deltek Tracking: 1513023

We have replaced a sub-select with an inner join to improve AC views.

System Admin

Updated JRE Configuration

Deltek Tracking: 1840825

The Cryptographic Jurisdiction Policy of the Java Runtime Environments (JREs) distributed with Maconomy is now set to 'unlimited' by default.

It is therefore no longer necessary to manually reconfigure the 'crypto.policy' setting in 'lib/security/java.security' for the JRE to have access to the strong cryptographic cipher suites which become increasingly prevalent in secure communication. In particular this change will enable the JRE to interoperate with the latest security patches for Microsoft Active Directory for Kerberos-based Network Login and Single-Sign On purposes.

REST API

data:some-key Hyperlink Added to Container Instance Resource Overviews

Deltek Tracking: 1545486

This enhancement makes the data:some-key hyperlink available from container instance resource overviews. Previously, you had to submit a filter request in order to obtain a hyperlink to load specific data entries into container instances.

errorIds Introduced in Error Reponses from Maconomy Web Services

Deltek Tracking: 1546426

The **errorIds** property is introduced in error JSON responses for Maconomy RESTful web services. The **errorIds** property holds a list of id strings identifying the error and is a replacement of the previously undocumented property **idHistory**. The now deprecated **idHistory** property listed the same ids but as a string of comma-separated ids.

Diagnostic Endpoints Added to RESTful API

Deltek Tracking: 1645377

Version 1.0 of the Diagnostics Web Service is now available. The purpose of this service is to facilitate a way of easily judging whether the system seems to be correctly configured. With the first version it is possible to:

- Verify that certain paths are being handled correctly by the reverse proxy.
- Verify that cookies are being transmitted correctly back and forth through the reverse proxy.
- Trigger a response time measurement.

Browser Cache Invalidation for Configurations Endpoint

Deltek Tracking: 1645377

In the Maconomy Configurations Web Service, E-tags are introduced on web configurations requests. Additionally, the max-age per default supplied in the Cache-Control response header is reduced from 24 hours to 5 minutes.

Certifications

Deltek Tracking: 1824345

- Pentaho 9.3—for BPM

Software Issues Resolved

Time & Expense

Defect 1334498

Automatic Approval on Expense Sheet Lines

When the **Automatic approval if no approvers specified** checkbox is selected on an approval hierarchy for expense sheets, expense sheet lines may be approved upon submission according to the approval hierarchy, but were not marked as approved by the project manager in the **Approval, Project Manager field**. This error is corrected.

Defect 1434390

Inaccurate Balance in Absence Administration

In **Time & Expenses > Absence Administration > Employee Balance**, the available time for an employee on a selected date was inaccurate. This error occurred when an employee registered multiple absence entries in the system, and their remaining absence allowance was set to expire before the absence was taken. This error is corrected for absence entries that expire near or after the selected date.

Defect 1455763

Approved Half Day Absence Entry Considered as Full Day

When you register a half day absence on a single date, it is mandatory to indicate whether the first day or last day is the half day upon registration. If you indicated that the last day is the half day, an error occurred wherein Maconomy deducted a full day of absence allowance although the absence entry is registered as a half day. This error is now corrected.

Defect 1480949

Daily Descriptions on Timesheets

When you resubmit a timesheet without changing the number of hours, daily descriptions are now automatically selected if they are required on the task. Previously, these were reselected only if the number of hours had changed.

Defect 1515116

Require Check-in for Work Hours

Previously, timesheets could be submitted without validating if a check-in was logged for a date that has both work hours and absence registered. This error is corrected such that check-in is required for a date if it has work hours registered.

Defect 1519079

Rounding Issue When Registering Absence

An error occurred when registering the duration of an absence meant to cover a full day, wherein the absence may extend to the following day if there is an excess of less than a minute. This error is corrected. The duration of an absence now covers a full day's absence if the excess of the registered amount is less than a minute. For example, if you register 8.2 hours for an absence, this is now automatically registered as just one day's absence.

Defect 1527267

Optimized Performance for Absence Transfer

Performance improvements have been made to provide faster loading time when you select the **Show Lines** check box to display results without restrictions on employee or company number in the Absence Transfer single dialog workspace.

Defect 1529958

Unable to Submit Split Week Timesheet

If the check-in feature is enabled for employees, they were unable to submit split week timesheets. An error would display upon submission. This error is corrected and timesheets can now be submitted.

Defect 1584880

Absence Access Error

Installations with a customized environment (defined in Definitions\couplingconfiguration.mcsl.xml) did not have the "CanSeeAllAbsence" environmental variable, which caused an error wherein n absence approver could not view absence and allowance requests in the Absence Approval workspace. This error is corrected.

Defect 1588412

Unable to Change Employee Category

You could not change the employee category on an employee if an unsubmitted time sheet line with a job blocked for registration existed. This error is corrected.

Defect 1589093

Time Sheet Journal Error

When the intercompany cost is based on a markup percentage between responsible and executing company, a time sheet journal could in certain combinations of exchange rates and cost prices display a system error when posting the time sheet journal. This could happen when the base currency and enterprise currency are the same currency. This error is corrected.

Defect 1603955

Rounding Issue When Carrying Forward Absence Allowance

If an employee is assigned a total of 4.999998 hours of absence allowance, this is usually shown rounded up as a total of five hours. However, an error would occur if the employee tried to carry forward the apparent five hours available to the next period. An error message would display stating "Cannot carry forward 0,0 hours as employee x has only 5,0 Hours allowance remaining in the previous period." This rounding error is corrected. Maconomy now allows the carry forward of an employee's absence allowance if the available value is only insignificantly less than the number of hours asked to be carried forward to the next period.

The error message is also improved to emphasize the total number of hours being carried forward. An example of the new error message displays as follows:

"Cannot carry forward a total of 5.0 hours as Employee X has only 4.9 hours allowance remaining in the previous period"

Defect 1604627

Maximum Working Time on Timesheets

An employee's maximum working time may be set to a zero value to indicated that unlimited timesheet registrations are allowed. However, the zero value also limited an employee's fixed working time and produced an error. This error is corrected. An employee's maximum working time now does not affect or limit their fixed working time in any way.

Defect 1606591

Rounding Issue When Registering Absence

If an employee is assigned a total of 4.999998 hours as absence allowance, this is usually displayed in the client rounded up as a total of five hours. However, an error would occur if the employee tried to register absence for these hours, as the allowance really is less than five hours. This rounding problem is fixed. Maconomy now allows the registration of an employee's absence when the available allowance is just insignificantly less than the number of hours being registered as absence.

Defect 1679066

Selection Criteria Affects Version in Week Calendars

If you updated the selection criteria in week calendars, an error occurred where this modified the **Version**, **Changed by**, and **Changed on** fields. This error is now corrected. The aforementioned fields are not affected when you change the selection criteria.

Defect 1731542

Time and Expense Sheet Lines Transferred for Posting Upon Approval

Previously, when time or expense sheet approval hierarchies were enabled for both header and lines, lines were not transferred for posting until the header and all lines have been approved. This error is corrected so that when the header is approved or released, individual lines are now transferred for posting upon approval.

Defect 1734214

Incorrect Approval Status on Time and Expense Sheets

When approval hierarchies are enabled for time sheets and reapproval is required on modified lines, an error could occur where time sheet lines would still display as approved by the superior, even after you modified a line. Moreover, time sheet lines could be transferred for posting upon line approval, even if the header approval was removed. This also occurred on expense sheets. This error is now corrected.

Defect 1763569

Check-In Required on Workdays

A new option called **Required to Check In On Workdays** to require check-in for employees only on workdays is now available for selection when setting up the Check-In functionality in employee records and employee revisions.

Defect 1842123

Synchronize with Time Sheets Error

If you reopened, submitted, and approved an absence calendar line that was synchronized with a time sheet without making any other changes, the **Synchronized with Time Sheets** checkbox was deselected even if the absence calendar line was actually synchronized with the time sheet. This error is corrected.

Defect 1842124

Synchronize Error When Reopening Time Sheet

When you approved changes to an absence calendar line, you could receive a notification stating that one or more time sheets could not be updated, but the changes would be added when the time sheet is reopened. When you reopened the time sheet, this would not happen, and the **Synchronized with Time Sheets** checkbox on the absence calendar remained deselected. This error is corrected.

Defect 1843160

Absence Entry Error

The absence entry coming from an absence calendar line (when the latter is approved) appeared to be submitted by the same user and on the same date as the approval that took place. The **Submitted**

By and **Date, Submitted** fields should instead be the same as on the absence calendar line. This error is corrected.

Defect 1865830

Incorrect Allowance Displayed in Absence Transfer

When transferring absence to a new period, the allowance from the previous period was calculated incorrectly. This error occurred if you had used some of your absence allowance prior to the transfer. This error is corrected.

Defect 1866973

Automatic Timesheet Line Error

A system error would display on an automatic timesheet line from approved absence when a timesheet was created. This error occurred on timesheets that were set up to use approval hierarchies with notifications.

Defect 1860907

Unable to Print Mileage Sheet

When the **Show Two Tax Levels** system parameter is enabled and **Show Three Tax Levels** system parameter is disabled, an error would display when you tried to print a mileage sheet. This error is corrected.

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Defect 1693982

Unable to Assign Document Archive

Previously, it was not possible to assign a Document Archive to a Fixed Asset via import program. This error is corrected.

Defect 1705537

Missing Restriction on Output Data Group Number

Previously, it was possible to send a vendor remittance email with an attached PDF showing all entries with the same payment number and line number as related payment, while ignoring the group number. This error is corrected.

Defect 1739980

Incorrect VAT Settlement for Billing Currencies

Previously, if the exchange rate gain/loss in the base currency was higher and in the opposite direction as the billing price up/down, the VAT settlement entry resulted in incorrect VAT settlement. The issue occurred when both the **Use Invoice Date as Exchange Rate Date on Job Invoices** system parameter and the **Posting of Invoice Deviation** job parameter were selected. This error is corrected.

Defect 1752505

Reduced Risk for Deadlock on Finance Periods

Reduced the risk of deadlocks on the finance period table when posting journals of the following journal types:

- General
- Job

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- Time Sheet
- Follow-up Selection
- Bank Reconciliation
- Job Accrual
- G/L Reallocation
- Import
- Client Account Adjustment
- Unrealized Exchange Rate Variance
- Tax Settlement
- Commission
- Gross Pay

Defect 1603094

Oracle Error When Running Job Budgets Analyzer Report

Previously, it was not possible to run the Job Budgets analyzer report if you included the **Purchase Order No**. column. This error is corrected.

Defect 1612661

Approve at Submission Overruled Submitter Can Approve

Previously, a time sheet header could be approved automatically at submission even if approval by the submitter was not allowed. This error is corrected.

Defect 1511734

Asset Disposal Not Possible for Book and Tax Depreciation

Previously, it was not possible to make an Asset Disposal in Maconomy when the Tax Depreciation and Book Depreciation differed. This error is corrected.

Defect 1521532

Invoices Not Shown for All Bill to Customer

In Credit Control, Customer, and Company Customer, the invoices for the customer selected on the card were previously displayed base on "Customer No.", regardless of whether the "Bill to Customer" was different. Showing Invoices based on the "Bill to Customer" number is more relevant than customer number for invoices. Invoices for all "Bill to Customer" matching the customer selected on the card are now displayed.

Defect 1523987

New Tax Depreciation Table Error

Previously, adding the last line to the Tax Depreciation table resulted in a false error message due to rounding issues near 100% full. This error is corrected.

Defect 1533134

Changes on Approve Did Not Work on Users and Employees

Previously, you could not block unapproved users and employees using the **Block Unapproved Users** and **Block Unapproved Employees** system parameters and unblock a blocked user or employee using the Changes on Approve functionality. This error is corrected.

Defect 1563471

Vendor Subcontractor Reconciliation Incorrectly Used Regular Cost

Previously, the Vendor Subcontractor Reconciliation used the regular Cost instead of the Executing Company Cost. This was only an issue when the Executing Company Cost differed from the Cost on the Job Entries. This error is corrected.

Defect 1564886

Hourly Rate Not Calculated for Job Agreements

Previously, the hourly rate was not calculated for job agreements if the compensation type were based on time sheets, where the unit price was calculated as a percentage of other compensation types, and the time registration were on a split time sheet only covering non-working days. This error is corrected such that the hourly rate is calculated properly for split weeks covering non-working days

Defect 1571586

Approved State Incorrectly Copied Company Customer to Sales Order

Previously, it was not possible to invoice or credit new subscription orders if the corresponding company customer was approved. The issue was the approved state was accidentally copied from the company customer to the sales order/credit order, causing the order to fail to be approved. This error is corrected.

Defect 1838690

Number of Payments Included Zero-Payments

Previously, the number of payments on the payment header included zero-payment even in the case where zero-payments are excluded from the file. This error is corrected so that zero-payments are excluded from the total number of payments.

Defect 1464730

Print Layouts Deleted without Validation

Maconomy remembers the selected Print Layout in the Reminder workspace and in the Invoice workspace for convenience. If the setup of these layouts is altered, Maconomy now forgets the selected layout and require the user to reselect. Issues from before this fix can now be corrected by altering one of the Print Layouts for "Approve Interest Selection" or "Approve Reminders". For example, change one External Layout Name and then change it back.

Defect 1478717

Paid by Customer Not Set When Creating Vendor Invoice

Previously, for purchase orders with a different payment term than "payment when paid," if the purchase order was accrued, invoiced, and paid by a customer before posting a vendor invoice, the resulting vendor entry would not be marked as paid by the customer, even if it was fully paid. This error is corrected.

Defect 1396260

Journals Created on Blocked Companies

Previously, you could make changes to reopened invoice allocation lines that belong to blocked companies without getting an error until you tried to post the entries. This error is corrected.

General Application

Defect 577571

Incorrect Task List when Reallocating Entries

In iAccess, if you wished to reallocate entries in the jobs workspace and did an advanced search (CTRL+G) on a task, the results would display only tasks belonging to the selected job. However, if you entered a job number and pressed TAB to move to the Task Field, the advanced search would display an invalid list of tasks. It would erroneously display either tasks belonging to the previously entered job or the current job in the Jobs workspace.

Defect 787001

Split Billing Error on Before and After Fields in Printed Job Invoice

On a printed job invoice, the Before and After fields display what was invoiced before and after the current invoice. However, the values in these fields were incorrect when using split billing. This error is corrected.

Defect 895345

Invoice History Email Fails

Previously, sending an email from the Invoice History tab would fail when both Sender and ShowMessageInFormat parameters were defined. The Sender parameter is now removed from the layout to prevent this error from occurring.

Defect 1150606

Error When Posting Job Journal

When posting a job journal, you might receive a message stating "Maconomy is waiting for data from the server" when other users are posting job journals, even if those other journals give rise to posting in other companies. This error is corrected.

If you have previously followed the instructions (in a Tech Note) to insert the following query in SqlHints.json: "SELECT HOURSJOURNAL.* FROM HOURSJOURNAL WITH (UPDLOCK) WHERE JOURNALNUMBER= ? AND LINENUMBER= ? AND JOBNUMBER= ? ", then that entry can now be removed.

Defect 1232551

Optimized Job Reallocation

Job reallocation is optimized by replacing a query on job invoice lines with a query that counts those lines.

Defect 1247847

Error Message when Copying Job

If the **Block New Jobs for Reg. and Inv. system parameter** is enabled and the **Allow Users to Manually Unblock Jobs for Reg. and Inv. system parameter is** disabled, an error could display stating that "It is not allowed to manually unblock job for registrations and invoicing" when copying a job. The error message should not apply when copying a job. This error is corrected.

Defect 1266007

Exclude Transferred Closed Job Entries from Reallocation

Job entries that have been partially job transferred may have remaining quantity reallocated now. Note that you cannot reallocate closed job entries that originated from a job transfer.

Defect 1456741

Posting Invoice Journal Error

Posting of invoice journals could fail with a system error if you created job invoices from jobs with multiple T&M drafts that have on account reduction. This error is corrected.

Defect 1500429

Unable to Stop or Force Recalculation of Outdated Job Surcharges

Previously, if you approved an invoice selection on a job with surcharges that were calculated before you made changes to the invoice selection, this resulted in the calculated surcharges being no longer up to date with the invoice selection you approve.

This is now changed so that if a job is set up with an action on missing surcharges (using a Surcharge type job parameter), the action takes place if there have been any changes to the invoice selection after the last calculation of surcharges, except for changes to (or removal of) surcharge entries calculated by this action.

Defect 1510168

System Error During Job Transfer

A system error displayed when posting a job transfer journal for a job with capitalization at cost. This error is corrected.

Defect 1517377

Out of Memory Database Error

If you converted a database with a large number of open jobs with subjobs, the data conversion script ran out of memory. This error is corrected, and improvements have been made to avoid memory overflow from occurring.

Defect 1519864

Improved System Messages

System messages are now improved to use neutral terms instead of gender-based terms.

Defect 1523519

Index Support on Employee

Improvements have been made to index support when checking whether a given employee can create proxy registrations for other employees. Additionally, only non-blocked employees are included in the check.

Defect 1524026

Recalculate Periodic Job Budget Error

If the **Allow Approximate Unit Price In Job Budgets system parameter** is enabled, an error could occur when you did a recalculation of the periodic job budget. This error is corrected.

Defect 1524028

Update Resource Allocations from People Planner

Previously, if you wanted to import resource allocations from People Planner, you needed to have access to view cost prices for time in job budgets. This is now modified to allow any user to import resource allocations without this requirement.

Defect 1531299

Error when Reopening Planning Budget on Reopened Job

When the **Calculate Progress at Job Closure system parameter** was enabled, an error message stating that "Unique constraint UQGROUPBUDGETJOBREVENUERECOGNI violated" could display when you reopened a planning budget on a job that has been reopened after having been closed, and where the planning budget was approved when the job was closed. This error is corrected.

Defect 1538069

Missing Translation in iAccess Interface

The word "By" used in several areas of the iAccess UI was not translated to other languages. This error is corrected.

Defect 1548423

Rounding Entry Error

When the **Margin for internal on account tax reconciliation system parameter** is enabled, Maconomy can create internal on account reconciliation entries, marked as rounding entries, in order to reconcile invoices on account which would otherwise be left open with no open amount and a small open tax amount. An error occurred in which the **Approved Reconciliation Tax, Currency field** on invoices on account was not updated with the contribution from these rounding entries when creating a draft. The visible impact of this is that the value in the field can be non-zero even when the job has no draft invoices. This error is corrected.

Defect 1561945

Incorrect Transaction Number in Direct Invoicing

When direct invoicing was prepared for several jobs and they were blanket invoiced together, some of the job entries for direct invoicing had the wrong transaction number. This error is corrected.

Defect 1571472

Incorrect Standard Billing Price in Job Budgets Card API

The **Standard Billing Price, Currency field** in the Job Budgets Card API single dialog workspace, which is not included in the standard layout, incorrectly displayed the sum of the unit billing prices instead of the sum of the total billing prices of the lines on the selected job budget. This error is corrected.

Defect 1580054

Error due to Quantity Change in Job Budget Lines

Changes to the quantity on lines in job budgets could lead to a server crash when the total quantity for all the lines with time activities was sufficiently close to zero.

Defect 1582981

Missing Index in Data Conversion

An index is added to improve the performance of the "JobBudgetLinePeriodSum" data conversion step for version 2.5.

Defect 1592288

Incorrect Billing Price Unit

When you initiated a progress evaluation on a job, then modified the budget in the Job Budget single dialog workspace, this could lead to an error where the value for the billing price unit was incorrect, or became a negative value. This error is corrected.

Defect 1596131

Optimizations on Update Employees Action

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The **Update Employees** action in the Employee Overhead Maintenance workspace is now optimized by removing a number of redundant database operations and adding an index to employee revisions.

Defect 1604083

Derive Overhead Information Automatically

When you change the **Overhead Maintenance** field on an employee or employee revision from Employee Specific to Batch Update, Maconomy now applies the rules (Employee Overhead Specifications) set up in Employee Overhead Maintenance to automatically update the overhead cost on the employee and employee revisions. The effect on the employee is the same as if you use the **Update Employees** action in Employee Overhead Maintenance on all the open rules that have been applied (in the sense that someone has used the **Update Employees** action) and to which you have access, chronologically by the Effective From date.

Defect 1607738

Warning Regarding Missing Budget Lines at Progress Evaluation

A warning message could appear during progress evaluation about missing job budget lines when the **Create Budget Lines for Unbudgetted Tasks** check box was deselected. In some occurrences, no lines were created if you performed progress evaluation when this check box was selected.

This occurred on jobs with revenue adjustment entries, such as from an evaluation of work-in-progress or revenue recognition by completion percentage. This error is corrected.

Defect 1608599

Import Job Journal Error

By error, you could import and modify values for the **Prior Period** field when importing a job journal. This error is corrected, and the **Prior Period** field is no longer editable through import.

Defect 1613101

Incorrect Update of Billing Price

On jobs with the **Billing Price Based on Actuals and ETC parameter** enabled, the billing price on a budget line could be incorrectly updated by Maconomy when you change the cost price on the line. This error is corrected.

Defect 1631032

Job Budget Time Details System Error

When you previously opened the Job Budget Time Details single dialog for a closed job, a system error occurred. This happened if the budget matrix resources existed but the corresponding budget time detail line did not exist. This line is created when opening the dialog. This error usually occurred when the dialog was used in the integration between PeoplePlanner and Maconomy. This error is corrected. These kinds of lines are no longer created if the job is closed.

Defect 1634278

Error when adding Cost, Base in Budget Line

When the adjustment % in Job Prices for time activities was not zero, an error occurred when entering a value in the **Cost, Base** field for budget lines of non-invoiceable time activities without an employee specified. Markup % is now set to -100% for non-invoiceable time activities.

Defect 1650030

Upgrade Installation Error

If you upgraded to version 20 p104 or later from a Maconomy installation that has been on version 19 p104 or later, but never at any earlier version than 19 p104, the upgrade would fail with a uniqueness

violation on UQJOBPARAMETERATTRIBUTE in the data conversion step DataConversion190000000bMod.SurchargeMainJobInvAttributes. This error is corrected.

Defect 1683060

Job Transfer Error

When doing a job transfer, all open entries are normally transferred. However, if you had job entries with an open quantity but a zero value in cost and billing, these would not be transferred. This error is corrected to ensure all open entries are transferred.

Defect 1683285

Modifying Quantity on Credited Invoice on Account

When crediting a job invoice on account, an error allowed users to change the negative quantity to a positive number leading to another invoice on account. This error is corrected.

Defect 1695146

Database Lock on Selection Criteria Entry

In some scenarios, the system would unnecessarily take a database lock on the selection criteria entry in the database. This was a problem when using the dialog in a background task, due to the fact that the dialog could not be used in parallel on different jobs, if the same user is used for the background tasks. Improvements have been made to correct this error.

Defect 1698248

Unable to View Drafts without Project Manager

If the **Project Manager** field is included in the layout for the filter pane for Draft Invoices or Invoice Editing on jobs, Maconomy would not display drafts for jobs without a project manager. This also occurred if you added the field manually to the layout. This error is now corrected.

Defect 1708346

Incorrect Derived Dimensions

When entering a favorite on an expense sheet line, Maconomy might erroneously derive standard dimensions. This error is corrected.

Defect 1711244

Mandatory Country Field in Draft Invoice

It is now mandatory to enter a value in the **Country** field for the bill to customer on a draft invoice.

Defect 1714591

Update Resource Allocations Error About Low ETC

When using the **Update Resource Allocations from People Planner** action, an error could display stating that the estimate to completion cannot be lower than the sum of the estimate on the individual lines. This error should not be possible and is now corrected.

Defect 1718564

Incorrect Write Up/Down Value

In the Invoice Selection single dialog workspace, the write up/down to date value was calculated based on contributions from the lines displayed in the subtab. If you selected the **Only Open Activities** checkbox, which would hide lines without open activities, the write up/down would be incorrect as it would only calculate the total contributions of the shown lines only. Similarly, the write up/down to date in Job Invoice Allocation could also be incorrect when the checkbox was selected. This error is

corrected and the write up/down to date value always calculates the amount for all lines, even when you choose to view only those with open activities.

Defect 1719740

Data Conversion Error

The data conversion during upgrade from 2.4 to 2.5 could fail if you had a job with a main job that had a different currency from the subjob. This error would occur if the main job had a fixed exchange rate setup, while the subjob was set up as a fixed price job, or with overrun handing and had a non-zero fixed price, or the current budget had a non-zero total billing price. This error is corrected.

Defect 1725198

On Account Opening Balance Import Error

Importing on account opening balance could result in invoices on account where the invoice currency and job currency were identical, but the corresponding amounts were different. This could cause system errors when the invoices on account were reconciled through T&M invoices or job invoice allocation. This error is corrected.

Defect 1726530

Incorrect Document Archive in Invoicing Workspaces Filter List

In invoicing workspaces, the filter list for draft invoices incorrectly displayed the document archive of the job, instead of the archive of the draft invoice. This error is corrected. The **Job Document Archive No.** field is also added to the filter list to display the job's document archive.

Defect 1727449

Missing Document Archive Number Field in Single Dialog Workspaces

Previously, the **Document Archive Number** field was not available in the filter for invoices in single dialog workspaces. This error is corrected. The field is now available for use in the filter list.

Defect 1727592

Inaccurate Count of Rejected Drafts in Jobs Filter List

In the Jobs workspace filter list, the **Draft Rejected** field would display a non-zero value, despite there being no rejected approval lines for draft invoices in effect belonging to the job. This error is corrected.

Defect 1739501

Unable to Copy Budget with Blocked Dimensions

You can now copy a budget with blocked dimensions to another budget when the **Allow Blocked Dimensions in Job Budgets** system parameter is enabled.

Defect 1743782

Billing Price and Total Billing Price Updated by Error

If the **Billing Price Based on Actuals and ETC** job parameter is enabled on a job, an error could occur wherein the billing price and total billing price would change when you clicked the Recalculate Action, despite there being no changes to the job. This error is corrected.

Defect 1754150

Batch Roll Forward Error on Oracle Systems

On Oracle systems, a system error would occur when you processed a batch of jobs to roll forward. This occurred if the selection included jobs where the close or roll forward failed due to a job with an inactive customer. This error is corrected.

Defect 1811709

Blanket Invoice Checkbox

The **Blanket Invoice** checkbox in the Show Job Invoice single dialog may not be selected, although the **Blanket Invoice** checkbox in the Invoice History single dialog was selected. This error is corrected to avoid confusion. Both checkboxes now display the same status.

Defect 1812978

Purchase Order Creation on Tasks

An error is now corrected to prevent the specification or selection of a vendor for creating a purchase order (or requisition) from a job budget line when purchasing is not allowed for a task.

Defect 1813511

Updated Names for Opening Balance Import Fields

When importing on account opening balance, you can specify billing price, not only in invoice currency, but also in job currency and base currency. However, the names of the fields with billing price in job and base currency suggested that they are the same as the billing price in invoice currency, just in other currencies. However, these fields are only used when importing opening balance. The field names are now changed to mention they are for opening balance import to emphasize this difference.

Defect 1835541

Job Price List Performance Improvement

Opening the Job Price Lists single dialog workspace could be very time consuming if the task name is filled in for lines and existed on a large amount of task list lines. This error is corrected and performance improvements have been made.

Defect 1845155

Exchange Rate of Reconciled Customer Payment on Pre-Invoice

When a customer payment is reconciled against a job pre-invoice, the reconciliation date is taken as entry date for the customer entry and G/L entries for the corresponding new invoice on account. However, the exchange rate used in the reconciliation was based on the date of the pre-invoice. The exchange rate should be based on the customer payment reconciliation date. This error is corrected.

Defect 1847032

Invoice to Credit Memo Split Billing Error

When the **Set Job Entries For Invoicing After Print Invoice** system parameter is enabled, crediting an invoice on a job with split billing could result in an incorrect update to the **Invoice Action** field in the subtab of the Invoice Selection single dialog workspace.

Defect 1847762

No Records Displayed in Show Job Invoice on Account Single Dialog

The Show Job Invoice on Account Reconciliation single dialog workspace did not display any records. This error is corrected. Records are now shown in accordance to the access control per user.

Defect 1851069

System Error When Invoicing a Job with Surcharge Rule

When an order invoice or subscription was assigned a job number (but not marked for invoicing invoiced in job invoicing), a system error occurred upon (order) invoicing, if the job is assigned a surcharge rule. The error is corrected and no surcharge is added during invoicing in order module.

Defect 1854529

Journals Not Marked Posted When Using Automatic Approval

Expense and mileage sheet journals were previously not marked as posted when using automatic posting even when the items were actually posted. This error is corrected.

Defect 1868825

Modified Job Number on Rolled Forward Job

When you changed the job number on the rolled forward job, you could no longer access the original job in the Jobs single dialog workspace. This error is corrected.

Defect 1509091

Import Log File Shows No Error Message

When a Maconomy System Error was previously encountered during import, the import log file did not show the error message. This error is corrected.

Integrations

Defect 1441785

Slow Dutch Audit Report

The Dutch Audit report previously included several basics, such as journals and jobs from all companies, and did not consider either the period, tax reporting unit, or company. Consequently, the reports ran slowly even when there were only few transactions reported. This is corrected and the report now only lists jobs, accounts, vat codes, customers, vendors, and journals.

Defect 1509712

Unread Vendor Invoice Message Notification Error

Previously, the Unread Vendor Invoice Message notification was not linked to the correct pane in the MCS solution. This error is corrected.

Defect 1517951

Employee Revisions Not Set to Current

Previously, when employee-vendor linking is enabled, future revisions will not be set to current if these have a different vendor number from the current revision. Consequently, synchronization with employee revision will change the vendor number on the employee, however, this is prohibited when employee-vendor linking is enabled. This error is corrected.

Defect 1568298

Access Control Issues in User and User Role Single Dialogs

Previously, non-administrator users were able to view and/or edit records of administrators in the User and User Role single dialogs, which consequently allowed them to log in as administrators. This is corrected.

Defect 1737182

Talent Management Background Task Error

Previously, if you updated the information about an employee who was terminated in DTM, the background task created to update the DTM user failed. This error is corrected.

Defect 1737185

Name Changes Not Synchronized With DTM

Previously, if you have a system with DTM and Maconomy integration then you changed the name of an employee and updated via the import program, the scheduled synchronization will not pick up your revisions. This error is corrected.

Defect 1756674

People Planner Actions Not Visible

Previously, the visibility of People Planner actions was not recalculated when you changed the system parameter. This error is corrected.

Defect 1481437

Missing Unread Invoicing Message Notification Types

Previously, the Unread Job Invoicing Message and Unread Blanket Invoicing Message notification types were missing in Maconomy versions upgraded to 2.5.1 or later. This error is corrected.

Defect 1494399

Sub Contact Companies Tab Incorrectly Displays

Previously, the Sub Contact Companies tab in the Contact Companies workspace was visible in situations where it should not be available. This error is corrected.

Defect 1520823

Missing List of Participants in Conversations

In the Workspace Client, the list of participants in conversations were previously not included in the Conversations pane. This error is corrected.

Defect 1842546

Missing Send Job for Resourcing Action in the iAccess

Previously, the Send Job for Resourcing action was only displayed in iAccess if a job was set up to use the more advanced resource allocation functionality. This error is corrected.

Defect 1858652

People Planner Action Alignment Between Workspace and iAccess

Previously, certain People Planner actions were not aligned between the Workspace Client and iAccess. This error is corrected.

Touch

Defect 1834441

Purchase Order Line Account Lookup Error

Previously, if you added complex restrictions to the account field in the PurchaseOrderLineLayoutREST.I custom layout, an error appeared when the purchase order line account lookup was opened in the app. This error is corrected.

Defect 1706302

Azure Authentication Error

If you used Azure to log in to Touch in an iOS mobile device and set up fingerprint/face recognition or PIN for subsequent logins, then swiped up to exit Touch, an error message will appear when you reopen the app and reauthenticate. This error is fixed, and the Azure reauthentication process is updated. See the Enhancements section in the Touch 4.1.3 App Release Notes for details.

People Planner

There are no resolved software issues for this area.

Statutory / BPM

Defect 1709953

SIE: Remove Transactions From Previous Year

Previously, the Swedish SIE (Standard Import/Export) report displayed transactions from the previous year even if it was not included in the **Year-Period (YYYY-MM)** range entered in the selection criteria. This error is corrected.

Defect 1709956

SIE: Missing #TRANS Lines

Previously, the SIE report had some missing lines in the #TRANS field when transactions were aggregated instead of displaying as separate lines. This error is corrected.

Front End

Defect 912906

Incorrect Workspaces Displayed when Accessed from URI Link

If you have workspaces that are set up to automatically open when you enter the Workspace Client, these should load first anytime you open or reopen the system. However, when you accessed a workspace through a URI link, such as from a notification email, the Workspace Client would load that workspace first, then the default workspaces, which would focus on the last default workspace. This error is corrected, and the last workspace to open is now the one you accessed from the URI link.

Defect 988965

"sortColumn" MDML Property Ignored if Not Visible in GUI

The "sortColumn" MDML property was previously ignored if "sortColumn" was not visible in the GUI in the Workspace Client. This error is corrected. "sortColumn" now can be used even if the column is not visible in GUI.

Defect 1360332

Sort on Derived Columns Opens Incorrect Record

Clicking on information on a derived column would open the incorrect record. To prevent this error, you can no longer sort on derived columns such as links, actions, or description columns in a filter list or subtab.

Defect 1509671

Sorting Preferences Not Saved for Filter List

In the Workspace Client, sorting preferences for the filter list were not stored or retrieved correctly from the metadata. The filter list would not display results according to your sorted preferences because of this error. This is now corrected.

Defect 1517476

Inconsistent Spelling of Subjob

Global changes were made to Maconomy to use the correct spelling of the term subjob.

Defect 1534397

Attach Document Action Error

Browsers: Chrome, Safari, and Firefox

An error message would display when you attempted to attach documents in the E-Forms reference workspace. This is corrected.

Defect 1538648

Custom Report Link Not Displayed

When you clicked on the first linked report in the filter list of any custom report workspace, the line on which it was located would display a blank field. This error is corrected.

Defect 1546252

Delayed Display of Search Results When Tagging Employee

Browsers: Chrome, Safari, and Firefox

Previously, there was a delay in the display of search results when attempting to tag an employee in a conversation. This error is corrected.

Defect 1546875

Specify Properties on a Reference Element

You can now specify open and mandatory properties for the description and key parts of a reference element.

For example:

```
{

  "reference": {

    "description": {
```

Deltek

```
      "source": "SuperiorEmployeeName",

      "open": "false"

   },

   "key": "SuperiorEmployee"

  }
}

{

  "reference": {

    "description": {
      "source": "SuperiorEmployeeName",

      "mandatory": "true"

    },

    "key": "SuperiorEmployee"

  }
}
```

Moreover, these properties now cascade down from a definition on an outer level, and can also be overridden on an inner level.

For example, in the following reference element, the description part will be open (it has its own explicit assignment of the open property), while the key field will be closed (it inherits the value of the open property from the reference element level):

```
{

  "reference": {
    "open": "false",

    "description": {
      "source": "SuperiorEmployeeName",

      "open": "true"

    },

    "key": "SuperiorEmployee"

  }
}
```

Defect 1570805

Quantity Field Names in iAccess

Browsers: Chrome, Safari, and Firefox

The **Qty** field name is now renamed to **Quantity** to promote better readability across workspaces in iAccess.

Defect 1570840

Alignment of Terminology in Budgeting Wizards

Browsers: Chrome, Safari, and Firefox

Creation wizards in the Budgeting workspace are now updated to use the same terminology.

Defect 1571260

Delimit Wizard Layout Changes

Browsers: Chrome, Safari, and Firefox

The Delimit wizard in the WIP Invoice workspace now uses a two-column layout.

Defect 1572052

"Use '@' to add a participant to the conversation" Not Translated

Browsers: Chrome, Safari, and Firefox

The text "Use '@' to add a participant to the conversation" was not translated into different languages in Maconomy. This error is corrected.

Defect 1572059

Error When Using Old Schema.json After a CU Upgrade

Browsers: Chrome, Safari, and Firefox

After installing a cumulative update (CU) on a three-point Maconomy release, users occasionally encountered an "Invalid Application Configuration" error. This occurred whenever the CU introduced an updated schema.json file. This is now corrected.

Defect 1602385

New Subcustomer Wizard Layout Update

Browsers: Chrome, Safari, and Firefox

In the Customers workspace, the layout of the New Subcustomer wizard in the Customer Hierarchy tab is updated with a more user-friendly layout.

Defect 1625056

Employee Searches in Conversations Did Not Work When Names Contained Special Characters

Browsers: Chrome, Safari, and Firefox

A new dom sanitizer has been introduced. This prevents special characters, such as those with umlauts, from being converted into HTML entities. This fixes an issue with employee searches within conversations.

Defect 1631025

Users Could Not Maximize Tables

Browsers: Chrome, Safari, and Firefox

When users tried to maximize tables that were set to minimal height, the table did not stretch to take up the full screen. This is now corrected.

Defect 1651493

Deltek

Workspaces Stuck in "Loading..." When Using URL Navigation

Browsers: Chrome, Safari, and Firefox

When users navigated to some workspaces using the browser's **Back** or **Forward** buttons, the target workspace did not always load properly. This error is now fixed.

Defect 1651513

Extra Items in Browser History

Browsers: Chrome, Safari, and Firefox

Extra items in browser history were previously caused by navigation to a particular record after navigating to any workspace that displayed data. This error is corrected.

Defect 1685047

Client-Side Data Changed Check on Container Instance Restore Did Not Use Delta Comparison

Browsers: Chrome, Safari, and Firefox

After a period of inactivity, users would get data changed errors when they resumed work. This is now corrected.

Defect 1737391

Incorrect Resolution of Field Names in Wizards

Browsers: Chrome, Safari, and Firefox

Field names were resolved incorrectly in some wizards. As a result, some customers encountered runtime errors when opening workspaces. This is now corrected.

Defect 1865128

Limit Visibility of Records Not Included in Filter Restriction

Browsers: Chrome, Safari, and Firefox

Filter restrictions in the iAccess workspaces support the user by providing easy access to relevant records. However, users could still open records outside of the filter restrictions available to them, and this caused some confusion.

This is corrected. Now, only the records included in the filter are visible to the user currently logged in. If a record is not included in a filter, the workspace will display empty fields.

Defect 1883020

Arrow Buttons Beside Calendar Did Not Work for Weeks With No Timesheets

Browsers: Chrome, Safari, and Firefox

If the Create Time Sheets Automatically system parameter was disabled in the Workspace Client, the Previous and Next arrow buttons on either side of the Date Range Display link in iAccess's Weekly Time Sheets workspace did not allow you to navigate to any week for which no timesheets had been created. This is now corrected. In addition, the arrow buttons are now disabled while the workspace is loading data.

System Admin

Defect 1622050

Containers Web Service v2 Cache-Control Header Updated

In Containers Web Service v2, the Cache-Control header set on container specification responses now reflects the value assigned to the server.ini setting web.services.cache.cache-control.maconomy-containers.specification. Its default value is public,max-age=86400.

Defect 1592283

Incorrect Message Logging
The installed 'MaconomyDaemon' Windows service was not writing its log messages to the standard Maconomy server log file 'MaconomyServer.log'. Instead it was still using the pre-Maconomy 2.3 log file 'PPU_DebugStr.txt' in the Maconomy Tmp folder. This error is corrected.

Defect 1426724

USync MScript Did Not Encode All Error Messages
The MScript SOAP API did not correctly XML encode the error message value in the fault response, if a web service requests resulted in an error. This meant that if the error message contained illegal characters, such as '<' and '>', the response document would not be valid XML.
The error message in a fault response from the MScript SOAP API is now correctly XML encoded.

Defect 1467153

Support of Multi-Step Protocol Negotiations
The Maconomy RESTful webservices did not support the protocol negotiation part of the SPNEGO specification. This meant that if the client browser initially tried to use a less secure authentication protocol, such as an NTLM token, the authentication process would simply fail instead of returning a negotiation token to the client requesting it to upgrade to a more secure authentication protocol, such as Kerberos.

Protocol negotiation is now supported by the RESTful webservices, enabling Kerberos authentication to work seamlessly in a wider range of installation environments.

Defect 1469718

Error Editing by Standard Long Text Extension
In some cases where a long text field contained a 'space' followed by a 'newline', Maconomy was giving the error: "The record was changed by another user".
This issue has been fixed and long text can now contain a characters sequence where a space is followed by a newline.

Defect 1388323

APM Monitor Log Update

Any error thrown by a Maconomy RESTful web service resource now correctly triggers the Error level in the APM monitor log.

Defect 1593637

BGT Incorrect Log Entries

Previously, if a background task executing an import failed then incorrect log entries were shown in the result log. This has been corrected.

Defect 1603266

Notification Recalculation Failed

Maconomy could not generate a notification entry (To-Do) for a container record if the notification entry contained string field values from the container record consisting of long sequences of multibyte Unicode letters. This could for example be the case for strings written in an Eastern European or Asian alphabet. The reason was that such strings were not correctly truncated to fit the string length restrictions of the notification entry, resulting in the following error: "The string exceeds the maximum length: <string-value>".

Multibyte text strings are now correctly truncated to a specific maximum byte length, while also taking into account multicharacter constraints imposed by Unicode surrogate pairs, such as diacritical marks and other combining characters.

Defect 1543029

Context Arguments Missing in Unlocalized Error Messages

Some unlocalized error messages in error-logs and error-emails are missing context arguments. For example:

> There are too few () servers configured for the background task administrator locale...

This is corrected to now state:

> There are too few (**10**) servers configured for the background task administrator locale...

Defect 1546349

Business Objects Extension Does Not Handle JSON Property "keywords"

Due to an issue in the Business Objects extension, reports with "keywords" would trigger an internal error when trying to open a PDF report from the workspace client. This error is corrected.

Defect 1604075

BGT Clean-Up Task Could Delete Certain Tasks
The background task schedule rule "CleanComplBgrTasks" will each day create a background task that cleans up old and completed background tasks.

It has been identified that when this clean-up task was running, a task that has entered the "committed" state, but hasn't yet been fully marked as being in
successful state could be deleted. In previous versions, a deadlock could occur.
This error fix prevents this from happening, and the clean-up task will not delete tasks that should not be deleted.

Defect 1604655

BGT: Certain Popups Could Not be Used
Background tasks attempting to update fields of type "LayoutNameType" would typically fail during execution. This bug is fixed so that you can make updates to values of type LayoutNameType just by specifying the value as LayoutNameType'<literal-value> and the value does not have to be marked as an expression.

Defect 1604726

APM: BatchServer:Action Log Entries
The 'BatchServer:Action' log entries in the Maconomy Application Performance Monitor (APM) log did not include the ContextId and RequestId fields.
This made it more difficult to consistently extract all log entries related to actions produced by the Background Task framework.

Defect 1606610

BGT: Could Hang in Committed State
In rare cases. a background task could end up in state "Committed" indefinitely. This would imply that other tasks depending on that task would never become executed. Furthermore, if this happened to the "system task", no schedule rules would run. This error is corrected.

Defect 1547706

BGT: Not Possible to Remove Container Selection Fields
Background task rules operating on singleton containers would produce an error about non existing fields upon activation, if container selection fields have been filled out on such rules. This issue is corrected.

Defect 1696472

APM: Error When Formatting Log Entries
When the Application Performance Monitor (APM) framework logs values associated with a container request, the enumeration values might be missing. At the same time an error is logged with stack trace to the Coupling Service log file stating "Error in custom popup value provider: (...)". This issue is corrected.

Defect 1651003

BGT: Task Generator Surveillance Task Blocked
Previously, a background task rule execution that was taking a long time to finish would prevent the task generator surveillance task from running, which would eventually timeout. This error is corrected.

Defect 1677969

BGT: Inefficient Handling of Chained Tasks
When "chained background tasks" are generated from a schedule rule, their execution may sometimes be handled inefficiently. Performance optimizations have been made so that this is now handled better, in some cases significantly faster.

Defect 1814065

Extension Framework: InstanceKey Utility Issue
Extension programmers making use of the utility newInstanceKeyOracle may experience the utility function crashing because of a missing sequence in Oracle.
The instance-key method is now aligned with a more recent behavior in the MaconomyServer, thereby no longer depending on the presence of the sequence.

Defect 1725101

Encoding Errors in McEmail
E-mails sent with the Maconomy Coupling Service e-mail API, such as EmailOnAction or the one-time access tokens sent by Forgot my Password and Maconomy 2FA enrollment, were generated using the platform's default character set. E-mails containing localized content in an incompatible character set would result in missing characters in the received e-mails, typically rendered as either empty squares or question marks.

E-mails are now by default encoded in the UTF-8 character set, which can support all localized content. This character set can be configured on the Coupling Service with the 'email.charset' setting in 'server.ini'.

Defect 1853704

Recalculating Notifications Sometimes Failed
In case a notification type has been configured with "Duplicate Handling" set to "Keep Last" (rather than "Allow Duplicates"), notification recalculation as a whole might fail. This error is corrected.

Defect 1856183

JMX Connections Issue
Whether or not JMX connections was only allowed from localhost was configurable from MConfig. This has lead to misconfigurations where JMX has been left open listening on all interfaces. To enhance security, JMX is now always locked down to only allow connections from localhost.

Defect 1871475

BGT: Inefficient Pickup of Chained Tasks
When long chains of tasks were generated by schedule rules marked with "Chained Tasks," this could lead to severe performance issues when the tasks were executed. This error is corrected.

Defect 1489507

EmailOnAction Could Execute Action on Incorrect Row
The "EmailOnAction" action that is present in all panes, had an error: If the action was run in a *table* pane, the underlying action (specified by the parameters to "EmailOnAction") would be executed on the wrong row. This error is corrected.

Defect 1630126

Moving Table Rows Could Cause Crash
In the dialog "Spec. of Output Data Records", the MaconomyServer would sometimes crash when moving lines up/down or in/out.
Sometimes the move was not performed at all. The error is corrected.

Defect 1638889

Incorrect Non-ASCII File Names
The MScript function file::readdir() returns a listing of files in a directory. Previously, if the file names contained non-ASCII characters, the file name encoding on Windows would not be correct UTF-8. This has been fixed so non-ASCII file names are listed correctly. Also, the MScript function file::open() function supports opening files with non-ASCII file names on Windows.

Defect 1610207

Record Change Could Lead to Unhandled Exception
If the execution of a named dialog action failed with the message "Record was changed by another user" due to a locked database record, the MaconomyServer process that handled the request could afterwards throw an unhandled exception and write a stack trace to MaconomyServer.log. This problem would only affect named dialog actions and not other operations such as create, update and delete. Furthermore it would only happen when "no-wait" semantics are enabled for primary cursors, which it is by default in Maconomy 2.5.

Defect 1615135

MScript Mail Package Did Not Support Multiline SMTP Replies
The MScript standard SMTP mail package ('mail(3)') did not implement support for multiline SMTP replies, since the SMTP commands it relies on are not expected to return multiline replies according to the SMTP standard (RFC 5321). However, since not all SMTP mail servers adhere strictly to the recommendations of the RFC, the MScript mail package now accepts multiline replies to all SMTP commands.

Defect 1866983

BGT: Background Task Could Hang
In rear cases where the number of maconomy-servers (`server.max`) is two (2) higher than the number of batch threads (batch.threads) and all threads - at the same time - are executing tasks which takes longer that than 'Max Duration' for a task the background task system can end in a situation where all threads are hanging and are unable to recover. This issue is corrected.

Defect 1811082

Debug Logging on Non-POSIX Compliant File Systems
When doing server debug logging on the Maconomy Application Server, and multiple MaconomyServer processes are executing requests for the same Maconomy user in parallel, the debug output from these requests can become jumbled in the user-specific debug log file.
This appears to only be an issue on non-POSIX compliant file systems, such as NTFS and NFS, where write atomicity is not guaranteed.

An extra layer of synchronization has been introduced to ensure atomicity when performing debug logging to non-POSIX compliant file systems. By default, this extra synchronization will only be enabled on Windows, but it can be overridden globally, either to disable the synchronization on Windows, or to enable it on Linux if debug logging here is performed to a non-POSIX compliant file system, e.g. NFS. This is done by setting the environment variable 'POSIX_FS' on the Maconomy

Application Server to indicate whether the file systems are POSIX-compliant or not. The possible values are '1' (the file systems are POSIX-compliant) and '0' (the file systems are not POSIX-compliant).

Defect 1489536

UpdateLog Could Cause Errror
Previously, when having UpdateLog enabled/configured on multi-line text field could cause an error. This error is corrected.

Defect 1505692

Outdated Cached Values
Running multiple events from extensions could read outdated values cached by the Maconomy application. This error is corrected.

Defect 1221798

CheckWarnings Cancelled Incorrectly
The MaconomyServer dialog engine did not handle parameter dialog operations correctly, if they were cancelled by the user through a "CheckWarning" callback. This meant that the operation did not appear as cancelled internally in the container API, and in the RESTful API the operation would also appear as completed (HTTP response: 200 OK) instead of the expected status (HTTP response: 422: Unprocessable entity).

Defect 1264907

Import Program Vendor Invoice Error
Previously, importing a vendor invoice would result in an error if the specified file did not exist in the specified document archive. This has been corrected such that during the import the user is prompted to choose a file to be attached to the vendor invoice.

Defect 1373986

InsertDocumentation DB Fails
Previously, Maconomy systems running on MS SQL Server would result in a server crash when attaching binary files of size 65 MB or larger. This is now corrected.

Defect 1442602

Layout Creator Error
Previously a bug caused semi-random users (actually the first user to utilize a print layout after a system parameter change) to appear as creator of the layout. This error is corrected.

Defect 1463162

Log Entries in MaconomyServer.log Merged Incorrectly
If multiple Maconomy server processes were writing to the server log file simultaneously, the output could get mixed up, resulting in garbled lines.
Now only one Maconomy server process is allowed to write to the server log file at a time.

Defect 1604096

Failing SOAP Requests
Previously, a failing SOAP request resulted in user session not being destroyed. This meant that the user session table grew bigger each time a SOAP request failed. This error is corrected.

Defect 1547643

MPL/Analyzer: Performance Bottleneck on FontCalculator
A performance bottleneck has been identified in relation to Analyzer report generation, after the MPL print engine was ported to the Coupling Service in 2.5.1. Compared to previous versions of Maconomy, the generation of such reports could be measurably slower when running on 2.5.1 and newer, in particular large reports containing many rows and columns.

Steps have been taken to reduce the number of roundtrips between the Coupling Service and the Maconomy Server process during Analyzer report generation, and to reduce the overhead of the calls that still have to take place.

Defect 1583117

Installation Information Lines
Installation Information Lines were only applied to the first database shortname of a Maconomy installation. This meant that integrations that used this information to e.g. check for installed add-ons would not be enabled in all shortnames. Installation Information Lines are now applied to all shortnames of a Maconomy installation.

Defect 1550120

BGT - System Issued False Warning
In cases where multiple coupling services are used, and some of these coupling services have been deliberately removed from the pool of coupling services to perform background task operations, the background-task self-monitoring system might send a false warning that the background task system system was running with reduced capacity. The error has now been fixed, which means that coupling services that have deliberately specified *not* to perform background tasks will be disregarded.

Defect 1550361

Incorrect Sort Order on MQL Queries
MQL queries specifying sorting on the same field twice, but with different ordering directions, were mistakenly sorted as the LAST sort-order only. This also had an implication for custom containers contributed as an extension, since it was not possible to revert the sort-order on any of the key-field columns in the filter. This error has now been fixed, and MQL-queries may now specify an order-by on the same field (such as ORDER BY FieldA DESC, FieldA ASC) and it will behave correctly (in essence, ordering in accordance with the FIRST specification). This also implies that it will be possible to revert the ordering on all fields in the filter of a custom container.

REST API

Defect 1529073

Line Number Fields for Tables Unavailable in REST API

In Maconomy 2.5.3, line number fields were no longer exposed in Containers Web Service v2. From version 5.0, released with Maconomy 2.5.5, line number fields are again treated like any other field. From this version though, only fields specified in the fields slicing JSON object submitted on container instance creation will be included in data responses. Key fields are always included.

Defect 1583181

TotalNumberOfPages Does Not Work with Print Layout Selection Rules

Previously, the TotalNumberOfPages MPL variable printed as blank when used in the context of Print Layout Selection rules. This is now corrected and TotalNumberOfPages prints the total number of pages also in the context of Print Layout Selection rules.

Defect 1591357

Table Line Update Fails with REST API Internal Server Error

Previously, updating a field in a table line failed with an internal error. Users would then have to refresh and try again. For REST integrations, this resulted in in the REST API returning 500 "Internal Server Error". In the maconomy.log, "Illegal state: No record value available in container executor" was noted. This error is corrected.

Defect 1627906

Line Number Error in Custom Tree Table Container

A bug in the extension framework meant that for custom tree-table containers, line numbers could be duplicated when moved using the move operation MOVE_BEFORE. This typically happened after moving a child line out so that it became a sibling of its parent line. This only occurred when using the REST interface/iAccess, not when using the Workspace Client. This occurred because iAccess/REST chooses a MOVE_BEFORE operation and the Workspace Client chooses a MOVE_AFTER operation. It also occurred if the custom extension code programmatically performed a MOVE_BEFORE operation on the custom tree-table container.

This error is corrected so that MOVE_BEFORE works correctly.

Defect 1649391

Project Creation Error

Previously, an error occurred when you tried to create a new project without having "Create" access. This error is corrected.

From version 5.0 of the Containers Web Service, container resources expose an access hyperlink, allowing the client program to retrieve information about the authenticated user's CRUD access rights. Also, the appearance of hyperlinks relevant for data entry loading or initialization is dependent on the user's CRUD access rights.

Defect 1679249

Event Analyzer Report Failure

The Event Analyzer report previously failed if a popup with no values was included as a column in search. This error is corrected.

Tooling

Defect 1818916

BPM Statutory Reports: Issues with Linux Folder Structure

Maconomy systems (2.5.2 and later) installed in Linux previously gave a "Could not find a file with name: error when trying to access the UK Tax Submissions and Statutory Reporting workspaces. This was because folder names in Linux are case-sensitive. This error is corrected.

Defect 1842052

Permanent Installation Task for Synchronizing Node

When creating a new Server Node, it was previously possible to end in a situation where installing anything in MConfig would cause synchronization of this node.

The issue occurred when a new node was defined, specifically when you clicked **OK** in the Node window and then went into the node again and clicked the **Sync** button. This error is corrected.

Defect 1849918

Remote JMX Access Mistakenly Enabled

Due to a bug, remote JMX access to the Coupling Service was enabled on Windows systems. This error is corrected. The option to enable remote JMX access through the MConfig interface has been removed.

Defect 1863814

Use BusinessObjects Flag on Coupling Service is Ignored

Previously, deselecting the Use BusinessObjects flag on the Coupling Service was ignored and no installation tasks were created as a result. This error is corrected.

Defect 1874937

Couple Service Installation Does Not Extract Authorization Keys

Previously, installing the Coupling Service did not correctly extract authorization keys to be listed in Maconomy.ini. This error is corrected.

Database Changes

Maconomy Changes

There are no database changes from Maconomy 2.5.4 to 2.5.5.

API Changes

API changes are only included for main versions.

Known Issues

Application

There are no known issues in this area for Maconomy 2.5.5

iAccess

There are no known issues in this area for Maconomy 2.5.5.

Touch

There are no known issues in this area for Maconomy 2.5.5.

BPM

There are no known issues in this area for Maconomy 2.5.5.

People Planner

Workspace Client Crashes Using Big Sur and People Planner

Defect 1517258

There is an incompatibility between macOS Big Sur's embedded browser and People Planner embedded web parts in the Workspace Client that causes a system crash when navigating in the web parts. This issue applies to the Workspace Client on all Maconomy versions for users on macOS Big Sur. This issue is not something that Deltek can control, and prioritization of a fix from Apple is not something that we feel confident will be made. iAccess, MyPlan, and the legacy People Planner Windows Application are unaffected.

Workaround: Either use iAccess where the People Planner web parts are available, or customize the Workspace Client to make the People Planner web parts open in an external browser.

System Admin

There are no known issues in this area for Maconomy 2.5.5.

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