Deltek

Deltek Cobra® 8.3

Release Notes

December 20, 2019

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Overview

Welcome to Deltek Cobra 8.3 Release Notes. These release notes contain a summary of the following:

- New Features and Enhancements
- Software Issues Resolved
- Database Changes

New Features and Enhancements

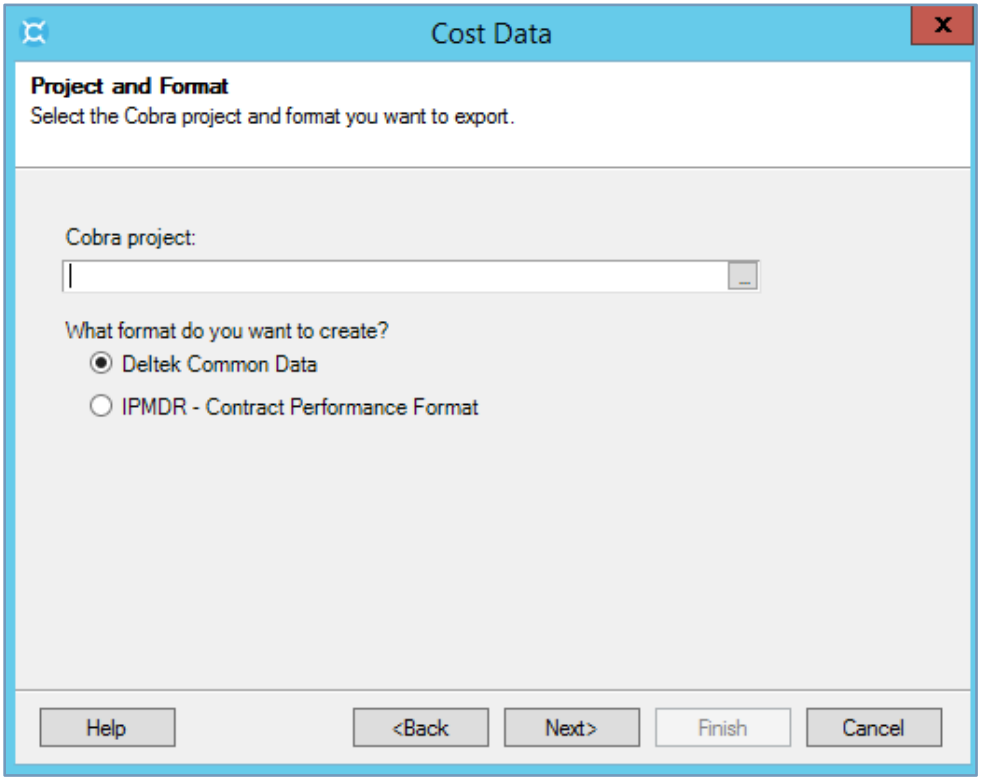
This section includes summaries of the new features and enhancements included for this release.

Support for IPMDR

The Office of Acquisition, Analytics and Policy (AAP) has released the updated Integrated Program Management Data Report (IPMDR) requirements. The IPMDR replaces the UN/CEFACT XML data format with a JavaScript Object Notation (JSON) format. To support these new requirements, Cobra extends and updates the Cost Data Export feature.

Ability to Select IPMDR Format

On the Project and Format page of the Cost Data wizard (previously called Project page), you can select which file format to generate during export.



- If you select **Deltek Common Data**, the Cost Data wizard generates the Deltek Common Data Exchange (DCDE) file, a proprietary Deltek format that can be read by Acumen and wInsight. For example: DEMO ADVANCED.DCDE
- If you select **IPMDR - Contract Performance Format**, the Cost Data wizard generates a ZIP file with JSON files that are compliant to the new IPMDR contractor-reporting format.

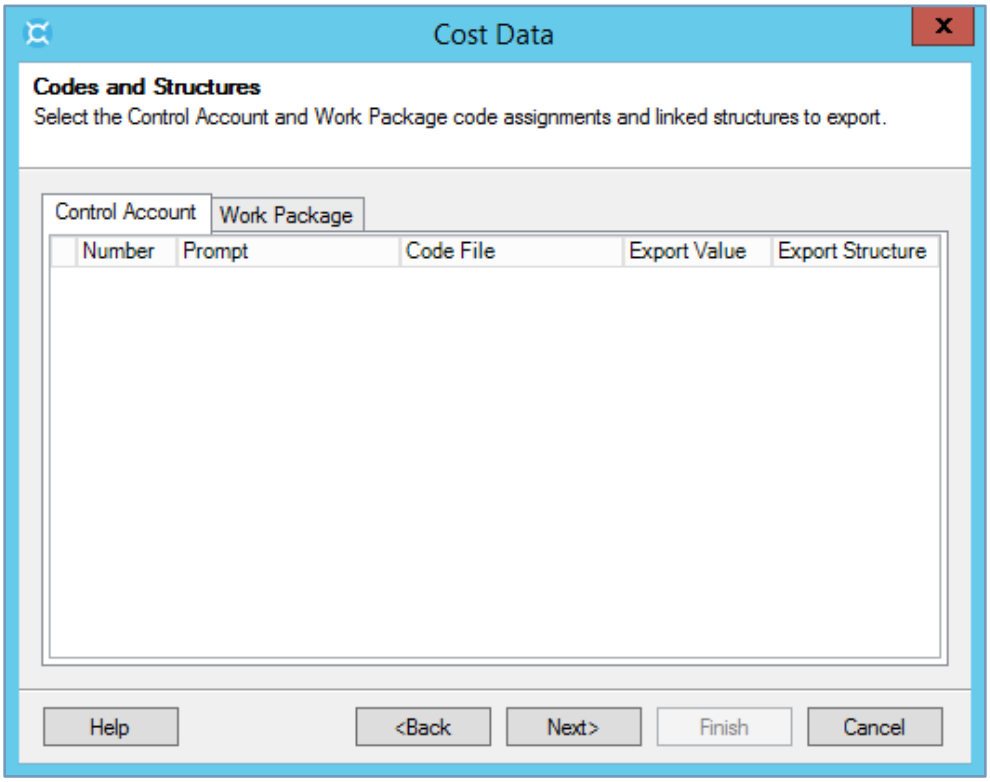
Note: Deltek recommends that you run the validation tool provided by the government before you submit the IPMDR file.

Attention: See the "Project and Format Page of the Cost Data Wizard" and "Exported Cost Data File" topics in the Cobra Help System.

Attention: See the "Cost Data Export" topic in the Cobra Help System for guidelines to consider when creating the IPMDR format.

Ability to Select Control Account and Work Package Code Assignments and Linked Structures to Export

You can select the control account or work package code assignment to export using the Codes and Structures page. This page displays the information specified on the Control Account Codes tab or on the Work Package Codes tab of the Fields tab of the Project Properties dialog box for the selected Cobra project.



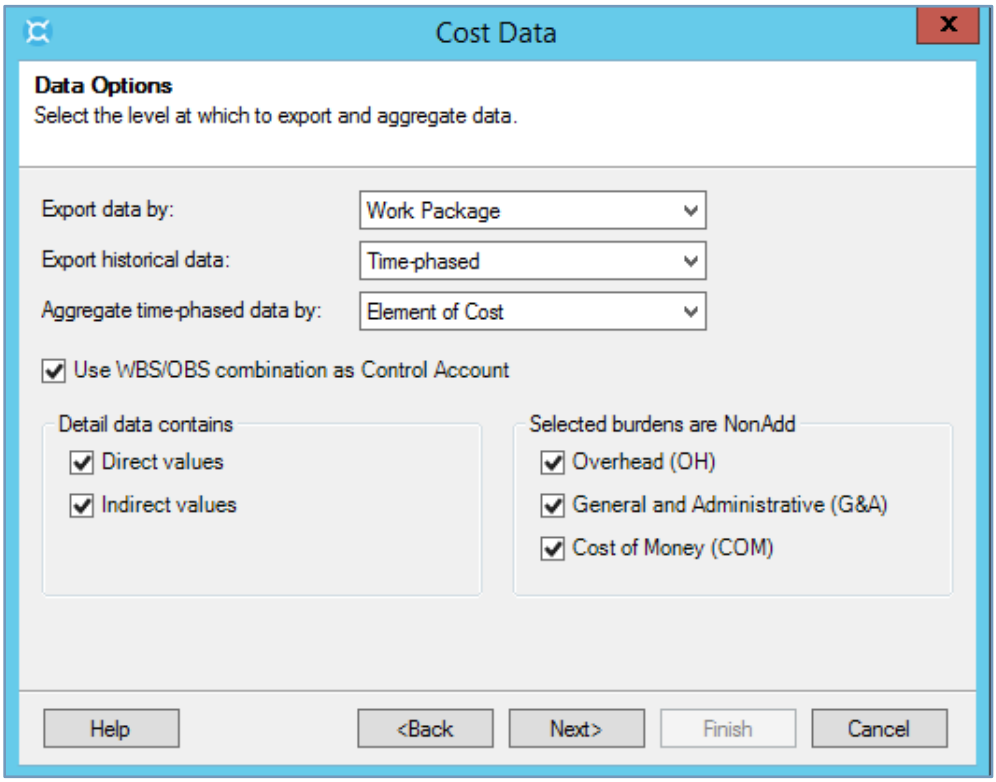
The Codes and Structures page contains the following tabs:

- **Control Account**: Click the Control Account tab to display control account code assignments 1-9 defined on the selected project, regardless of code field type.
- **Work Package**: Click the Work Package tab to display work package code assignments 1-9 defined on the selected project, regardless of code field type.

Attention: See the "Codes and Structures Page of the Cost Data Wizard" topic in the Cobra Help System.

Additional Options to Select the Level at Which to Export and Aggregate Data

The Data Options page (previously called Cost and Burden Details page) is updated with new options that you can use to select the level at which to export and aggregate data.



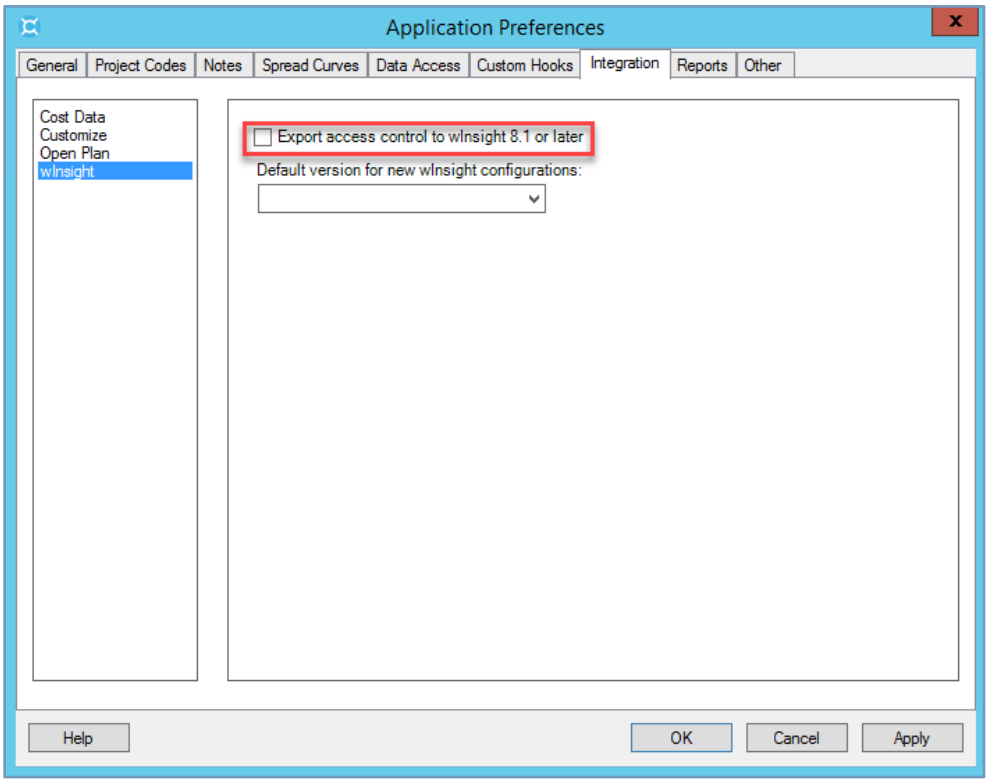
Attention: See the "Data Options Page of the Cost Data Wizard" topic in the Cobra Help System.

Additional Cost Data Export Updates

This section discusses the additional enhancements made to the Cost Data Export feature.

Ability to Export Access Control Information of the Selected Project

Cobra supports exporting of the access control information of both projects and master projects to the DCDE file using the **Export access control to wInsight 8.1 or later** option on the wInsight » Integration tab of the Application Preferences dialog box.

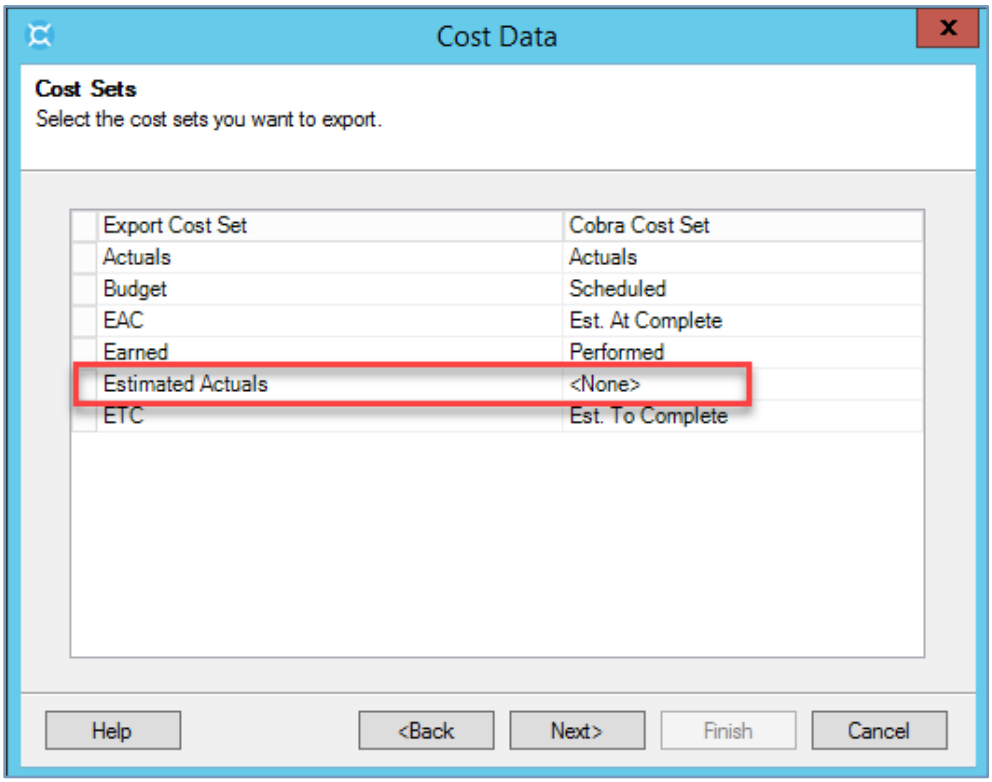


If you select a master project, Cobra only exports the access control information of the master project. Cobra does not export the access control information of its sub-projects.

Attention: See the "Integration Tab of the Application Preferences Dialog Box" topic in the Cobra Help System.

Ability to Export Estimated Actuals as a Separate Value in the DCDE File

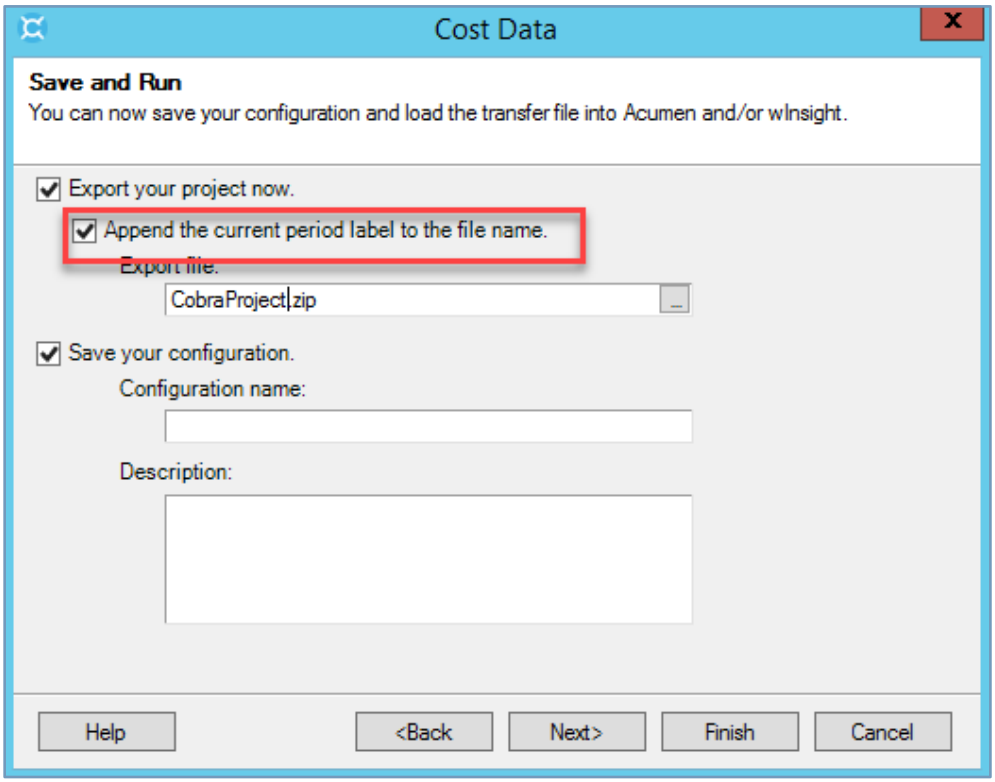
You can add a Cobra cost set that you can map to an Estimated Actuals cost set as a separate value during Cost Data Export. The **Estimated Actuals** value defaults to **None**, whether you use the Cost Data wizard or the API to run the export process. This means the output file will contain 0 values for Estimated Actuals. If the DCDE file already has a cost set mapped to Estimated Actuals, the output file will load and populate the correct data.



Attention: See the "Cost Sets Page of the Cost Data Wizard" topic in the Cobra Help System.

Ability to Append Current Period Label to the Filename during Cost Data Export

The **Append the current period label to the filename** option is added to the Save and Run Page of the Cost Data wizard. When you run the Cost Data wizard, selecting this option will add a label with the current status date to the filename. This allows you to save multiple files in one location without overwriting the older files.

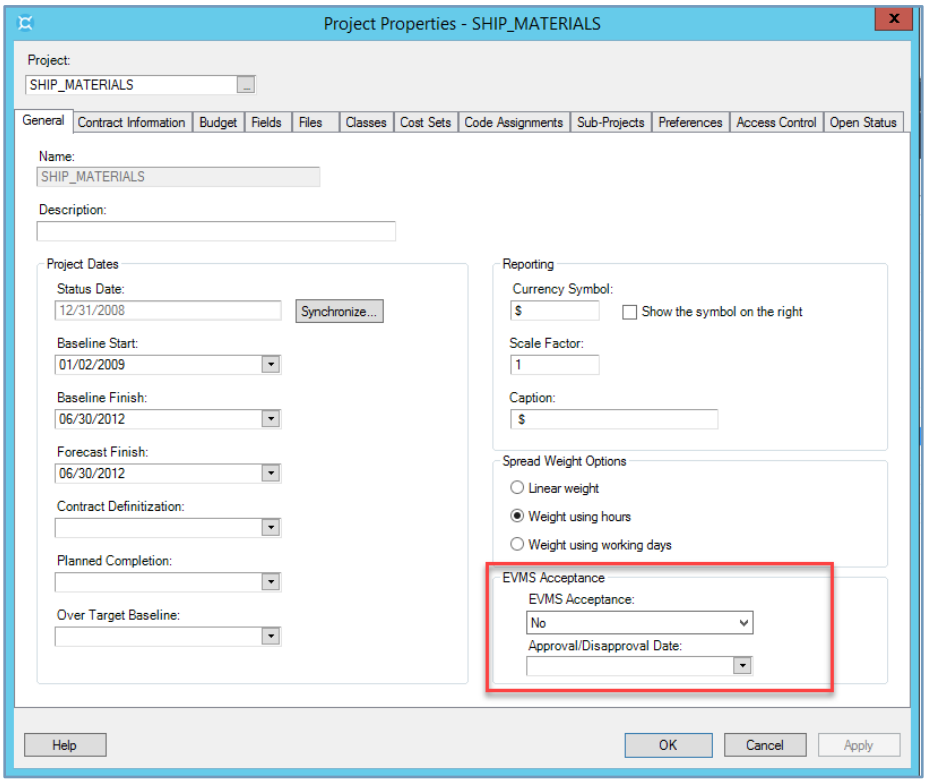


When you run the Cost Data Export through the API, and this option is selected, a label with the current status date is added to the exported filename.

Attention: See the "Save and Run Page of the Cost Data Wizard" and the "Cost Data Export Process" topics in the Cobra Help System.

Ability to Export the EVMS Acceptance Date and Flag

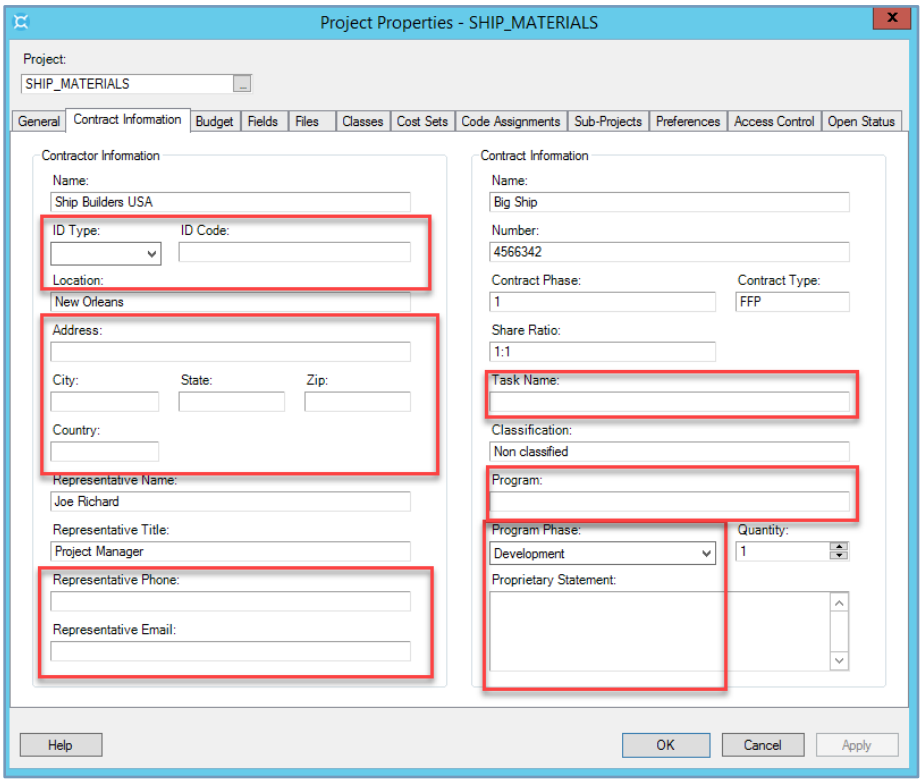
The EVMS Acceptance flag and Approval/Disapproval Date specified on the General tab of the Project Properties dialog box are included in the generated DCDE or IPMDR file.



Attention: See the "General Tab of the Project Properties Dialog Box" topic in the Cobra Help System.

New Fields Added to the Contract Information Tab of the Project Properties Dialog Box

The Contractor Information and Contract Information panes on Contract Information tab of the Project Properties dialog box are updated with new fields which are exported when you generate an IPMDR file.

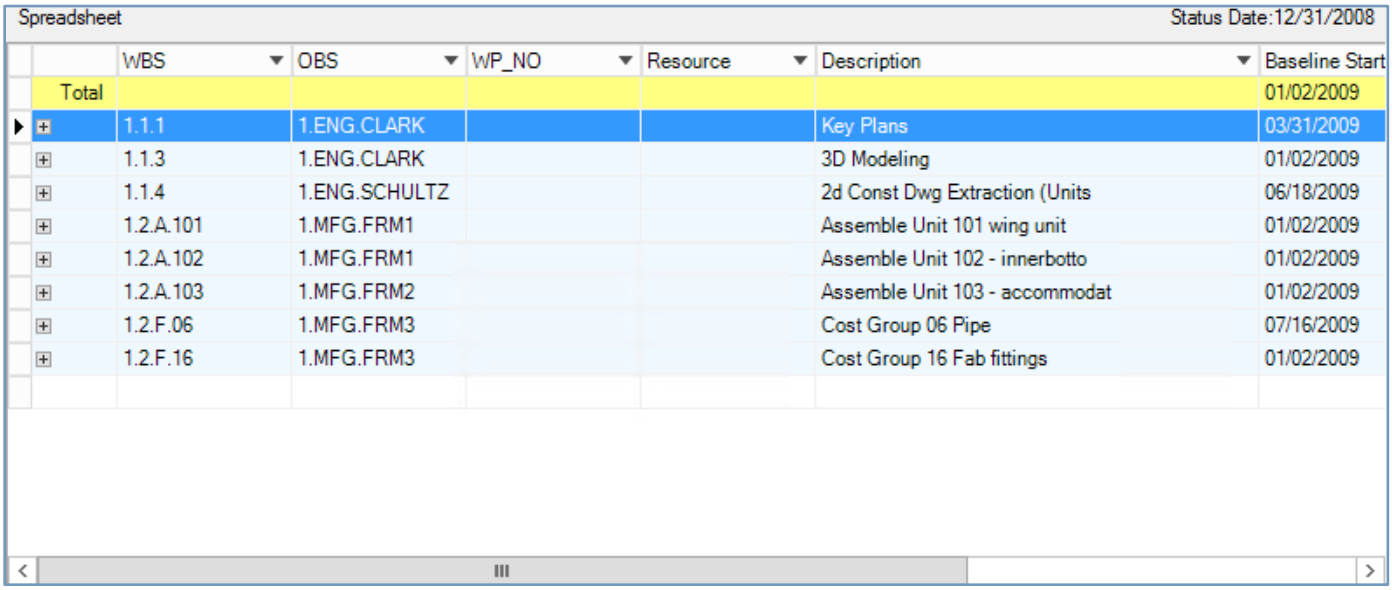


Attention: See the "Contract Information Tab of the Project Properties Dialog box" topic in the Cobra Help System.

Total Row in the Project View

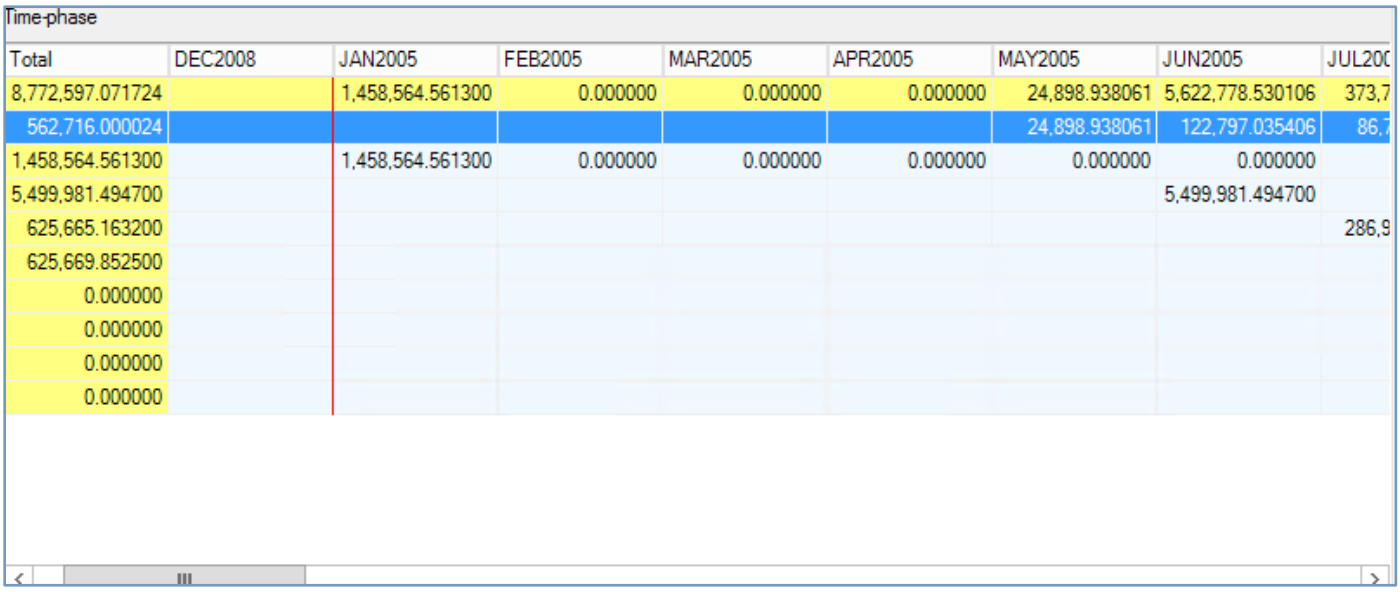
To easily view the project-level values and to quickly total project data without running a report, the Total row is added at the top of the Spreadsheet and Time-phase panes of the Project view. The Total row displays project-level data based on the filter applied to the Project view.

Spreadsheet Pane of the Project View



	WBS	OBS	WP_NO	Resource	Description	Baseline Start
Total						01/02/2009
⊞	1.1.1	1.ENG.CLARK			Key Plans	03/31/2009
⊞	1.1.3	1.ENG.CLARK			3D Modeling	01/02/2009
⊞	1.1.4	1.ENG.SCHULTZ			2d Const Dwg Extraction (Units	06/18/2009
⊞	1.2.A.101	1.MFG.FRM1			Assemble Unit 101 wing unit	01/02/2009
⊞	1.2.A.102	1.MFG.FRM1			Assemble Unit 102 - innerbotto	01/02/2009
⊞	1.2.A.103	1.MFG.FRM2			Assemble Unit 103 - accommodat	01/02/2009
⊞	1.2.F.06	1.MFG.FRM3			Cost Group 06 Pipe	07/16/2009
⊞	1.2.F.16	1.MFG.FRM3			Cost Group 16 Fab fittings	01/02/2009

Time-phase Pane of the Project View



Total	DEC2008	JAN2005	FEB2005	MAR2005	APR2005	MAY2005	JUN2005	JUL200
8,772,597.071724		1,458,564.561300	0.000000	0.000000	0.000000	24,898.938061	5,622,778.530106	373,7
562,716.000024						24,898.938061	122,797.035406	86,7
1,458,564.561300		1,458,564.561300	0.000000	0.000000	0.000000	0.000000	0.000000	
5,499,981.494700							5,499,981.494700	
625,665.163200								286,9
625,669.852500								
0.000000								
0.000000								
0.000000								
0.000000								

The Total row is read-only. The Total row remains on top of the panes even if you sort a column in the Spreadsheet pane. Columns that are not defined at the project level are displayed as blank in the Total row of the Spreadsheet pane.

The Baseline Finish, Actual Finish, and Forecast Finish dates display the latest Baseline, Actual, and Forecast Finish dates of the control accounts displayed in the Spreadsheet pane. On the other hand, the Baseline Start date displays the earliest Baseline Start date of the control accounts displayed in the Spreadsheet pane.

When you edit any of these dates, the updated dates will only display in the Total row after you save the changes.

The Total row displays the total time-phased spread at the project level based on the filter applied to the project view.

When you use the **Copy View to Excel** command on the Project Edit tab, the Total row in the Spreadsheet pane is also copied in the generated Excel file.

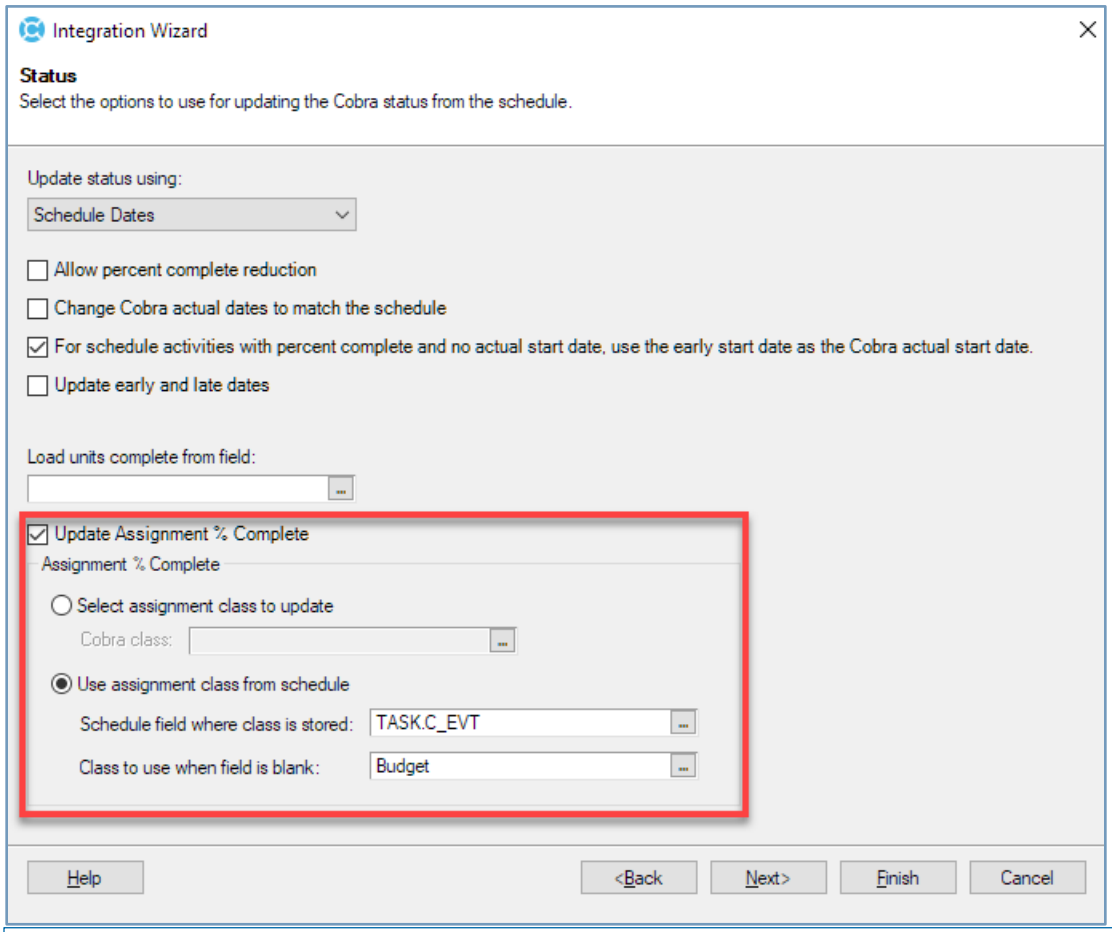
> **Attention:** See the "Spreadsheet Pane of the Project View," "Time-phase Pane of the Project View," and "Data Entry" topics of the Cobra Help System.

Integration with Primavera

This section discusses the enhancements related to integration with Primavera.

Addition of the Update Assignment % Complete Option to Primavera – Integration Wizard

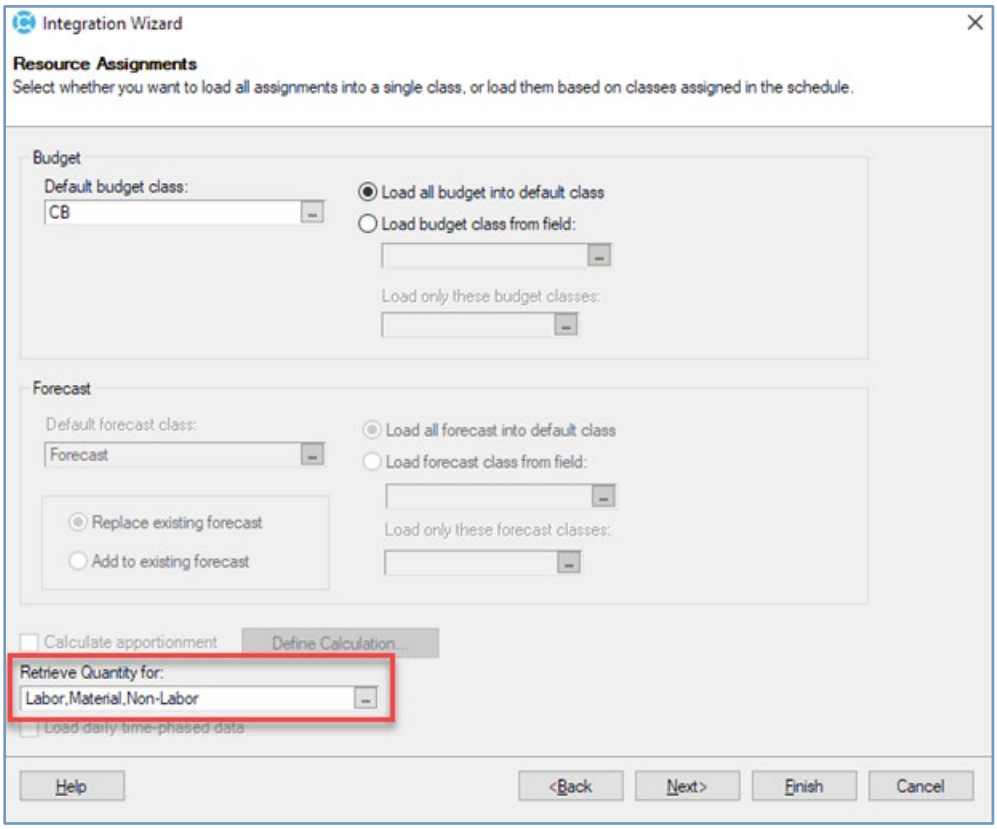
During status integration with Primavera, you can select which budget classes you want to have the Resource Assignment % Complete value be updated using the **Update Assignment % Complete** option on the Status page of the Integration wizard.



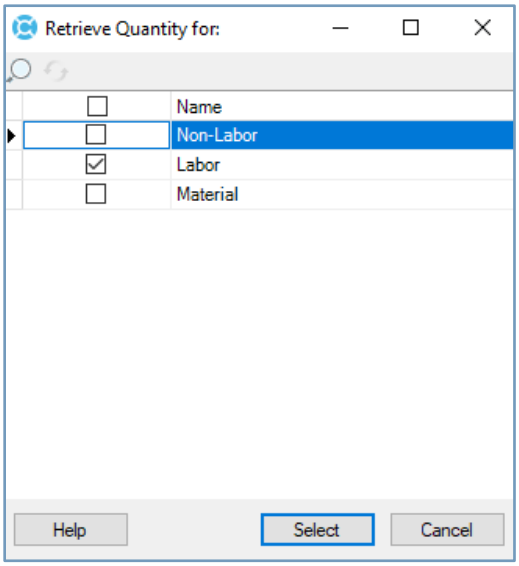
Attention: See the "Status Page of the Integration Wizard — Scheduling Tools" topic in the Cobra Help System.

Ability to Load Material Quantity during Integration

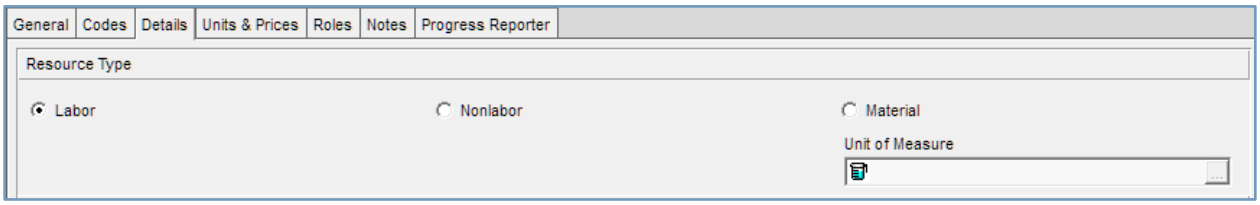
When importing from Primavera, you can indicate where to retrieve material quantities through the Resource Assignments page of the Integration wizard.



Click the **Retrieve Quantity for** field to display the Lookup dialog box, where you can select one or more options.



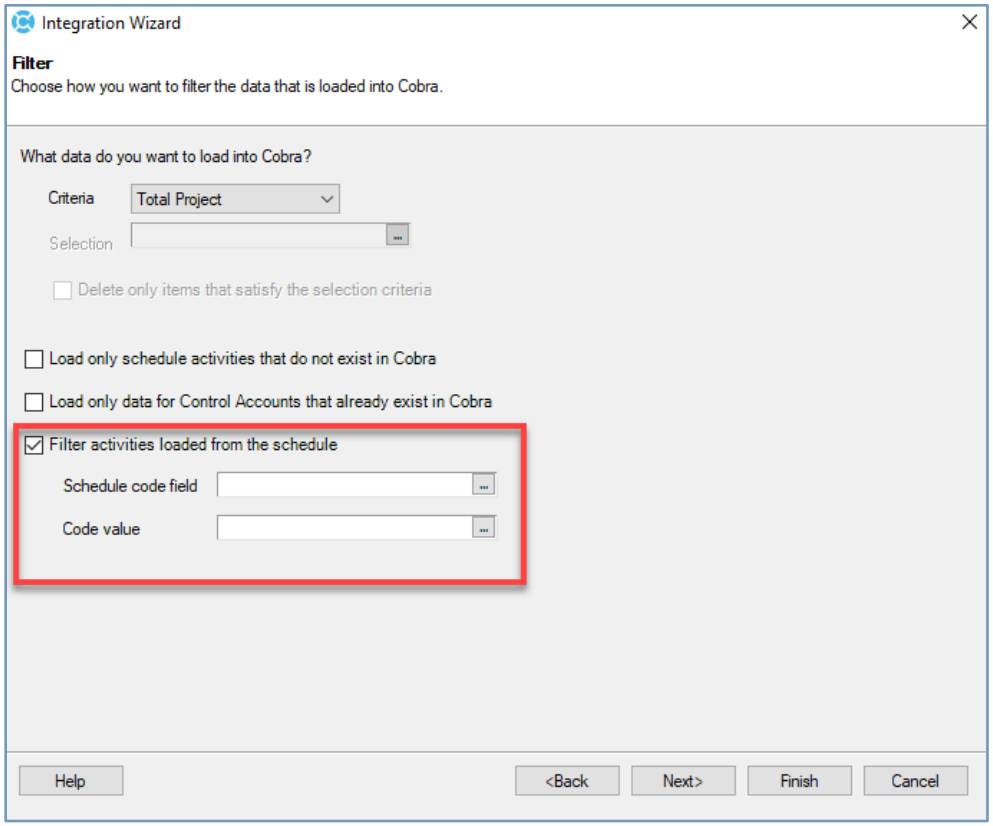
Selected resource types will load **Quantity** values for the matching Primavera resource types, while cleared resource types will load **Cost** values for the matching Primavera resource types.



Attention: See the "Resource Assignments Page of the Integration Wizard — Primavera" topic in the Cobra Help System.

Ability to Filter Activities Loaded from a Primavera Schedule

You can filter data from the schedule and import only a specific portion of the schedule based on the code on the activities. The **Filter activities loaded from the schedule** option is added to the Filter Page of the Integration Wizard when integrating with Primavera.

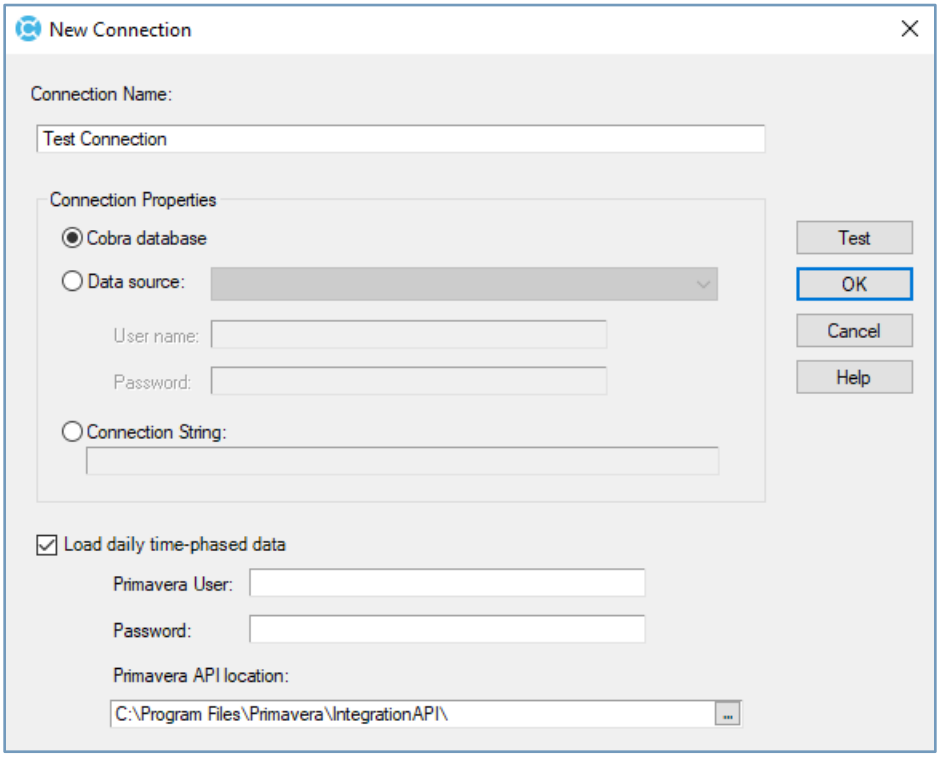


Attention: See the "Filter Page of the Integration Wizard – Scheduling Tools" topic in the Cobra Help System.

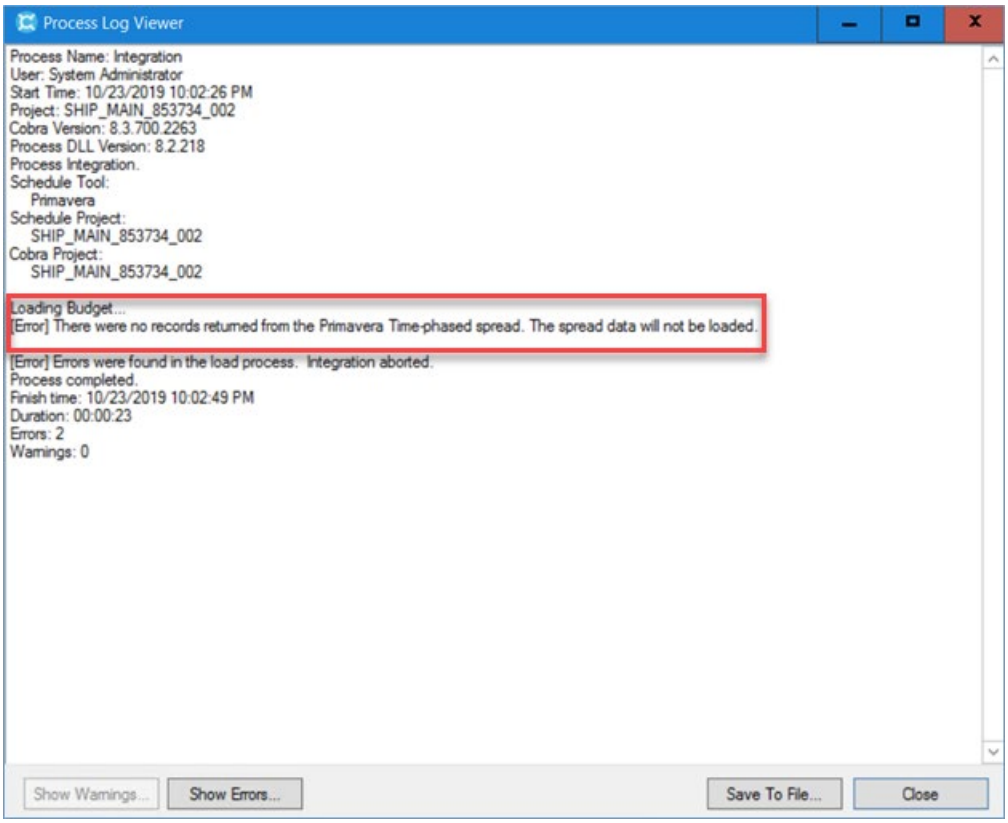
Updates to Primavera API Connection

To integrate with Primavera and make a connection using the API, you select the **Load daily time-phased data** option on the New/Edit Connection page and specify the required fields.

Previously, the connection command window displayed every time you clicked the **Next** button on each wizard page. This behavior is changed to make the connection command window display only when you click **Next** or **Test** on the New/Edit Connection page, or when you click the **Finish** button on the Process Complete page.



When you run the integration through the API connection, and the Primavera project is blank or has no resources, no values will be imported but Cobra will not return any error. This behavior is changed and Cobra now displays an error message in the process log when this scenario is encountered.



Oracle Primavera P6 API Documentation

The Cobra Integration with Oracle Primavera P6 API is documented in the Cobra 8.3 Installation Guide.

> **Attention:** See "Appendix H: Cobra Integration with Oracle Primavera P6 API" in the *Deltek Cobra 8.3 Installation Guide*.

Support for Costpoint Cloud to Cobra Integration

With Cobra 8.2, Costpoint required direct access to the Cobra database in order to populate the Costpoint lookups on mapping screens during integration. With Costpoint Cloud, there is no direct access to the Cobra database so the lookups are not populated. Cobra Web Service has been enhanced to fully support this feature in Costpoint Cloud.

The Costpoint to Cobra integration released with Costpoint 7.1.1 System JAR 054 (June 2019) provides support for the Standard Cobra Web Service (Cobra.WebService.Host.exe). Prior to this release, Costpoint to Cobra integration using web services was possible only through the Cobra Costpoint Web Service (Cobra.Costpoint.WebService.Host.exe).

> **Attention:** See *Deltek Costpoint 7.1.1 Release Notes – Support for New Costpoint to Cobra Integration API* and *Deltek Costpoint to Cobra Integration 2.0 Technical Guide* for more information.

In addition, the **Web Service Client API Help**, previously in CHM format, is converted to HTML format. To display the Help, locate the Cobra Web Services topic in Cobra Help System and click the Web

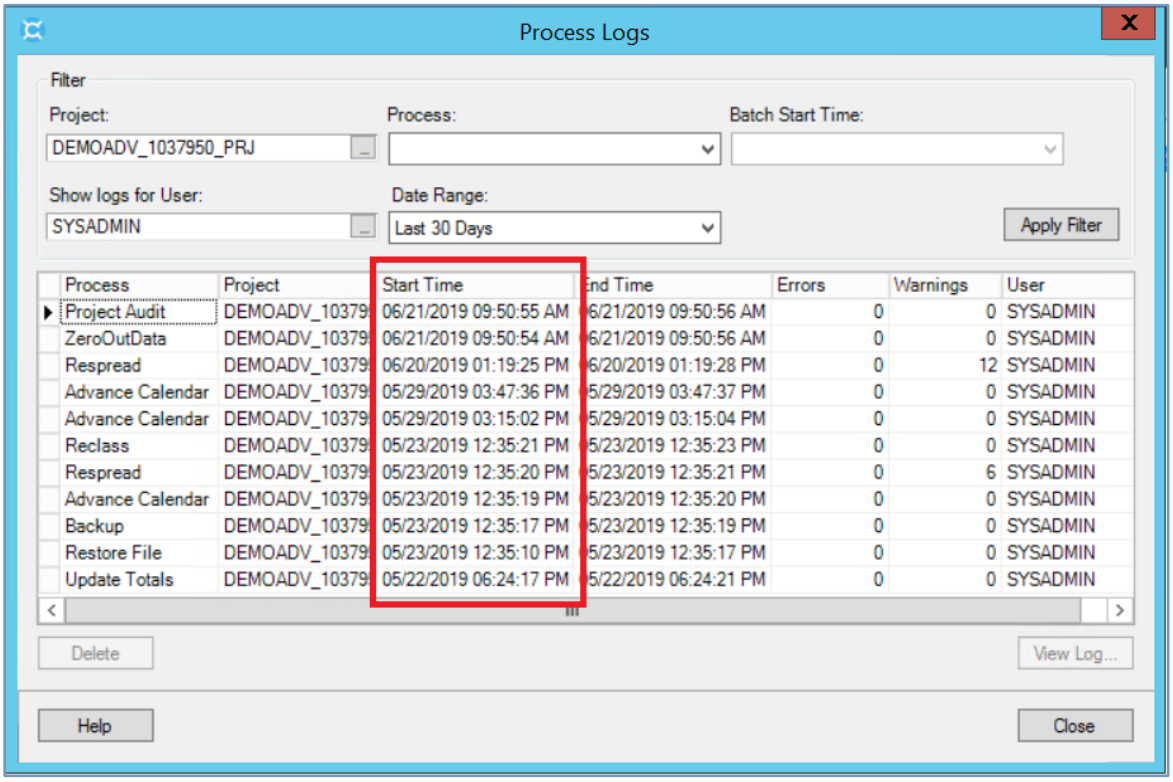
Services Client API link. You can also navigate to the **Help\WebServiceClientAPI** sub-folder of your Cobra installation folder.

Improved Process Logs Display

This section discusses the changes made to improve the process logs display in Cobra.

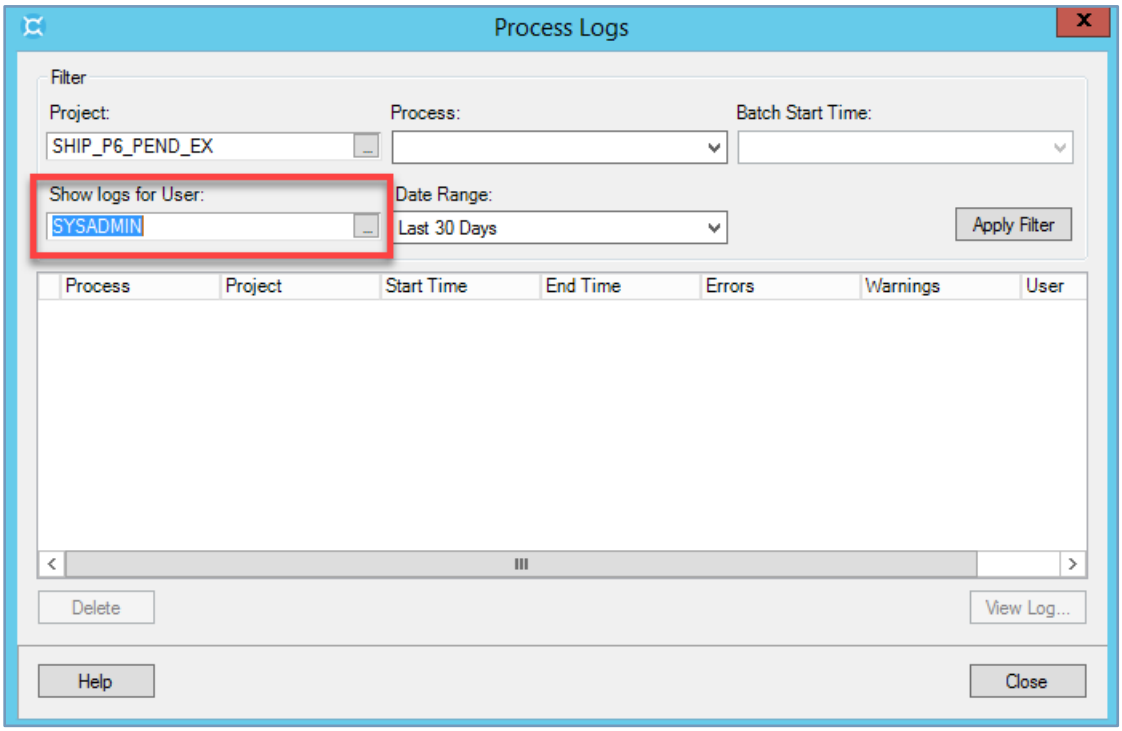
Process Logs Sorted from Newest to Oldest

The logs displayed in the Process Logs dialog box are sorted from the most recent process to the oldest process ran based on its start time, whether filters are applied or not.



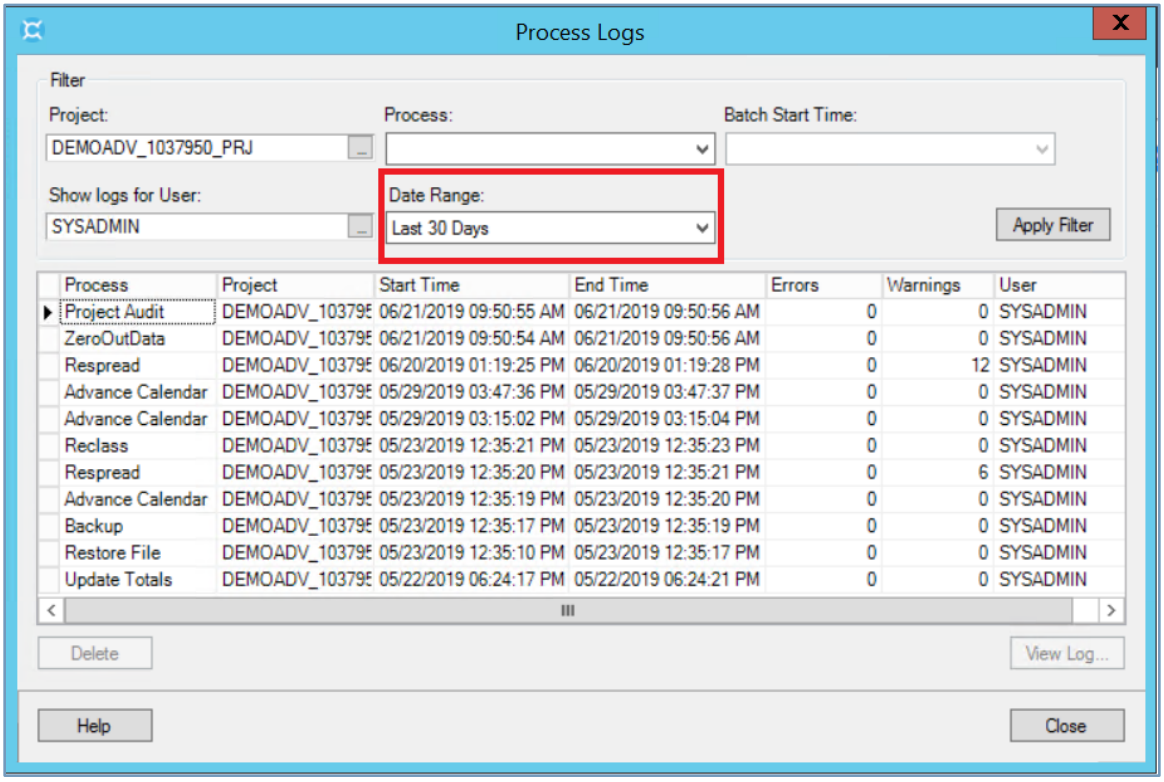
Filter Process Logs by User

The **Show logs for users** field is added to the Process Logs dialog box. By default, this field displays the ID of the user currently logged into Cobra. If a user is selected, the Process Logs grid displays the process logs run by the specified user. An empty field displays the process logs for all users. If you are a SYSADMIN user or a member of the SYSADMIN group, you can view all process logs for all users. If you are a NON-SYSADMIN user, you can only view the logs for processes run on projects to which you have at least read access.



Filter Process Logs Based on Date Range

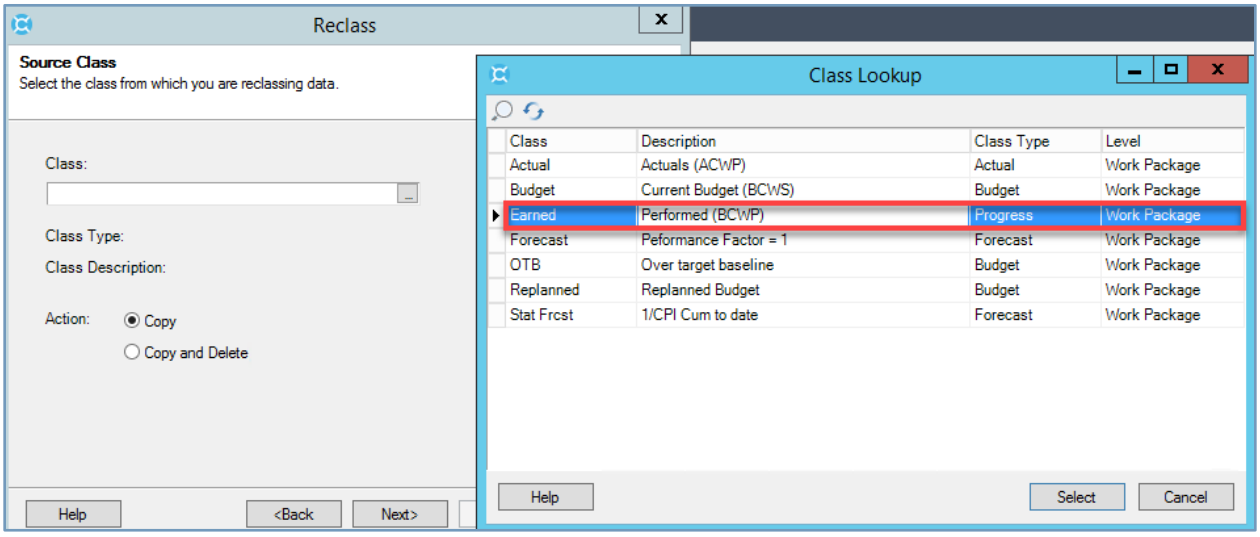
The **Date Range** field, added to the Process Logs dialog box, allows you to specify which process logs are to be displayed based on the selected period from the current calendar date.



Attention: See the "Process Logs Dialog Box" topic in the Cobra Help System.

Ability to Include Progress Classes During Reclass

Cobra provides the ability to Reclass the Progress class to a different class. You can select a Progress class type on the Source Class page or on the Target Class page of the Reclass wizard. This is useful in making a copy of the earned value at a point in the status cycle, or setting progress equal to actual costs by copying the actual costs class into the progress class.



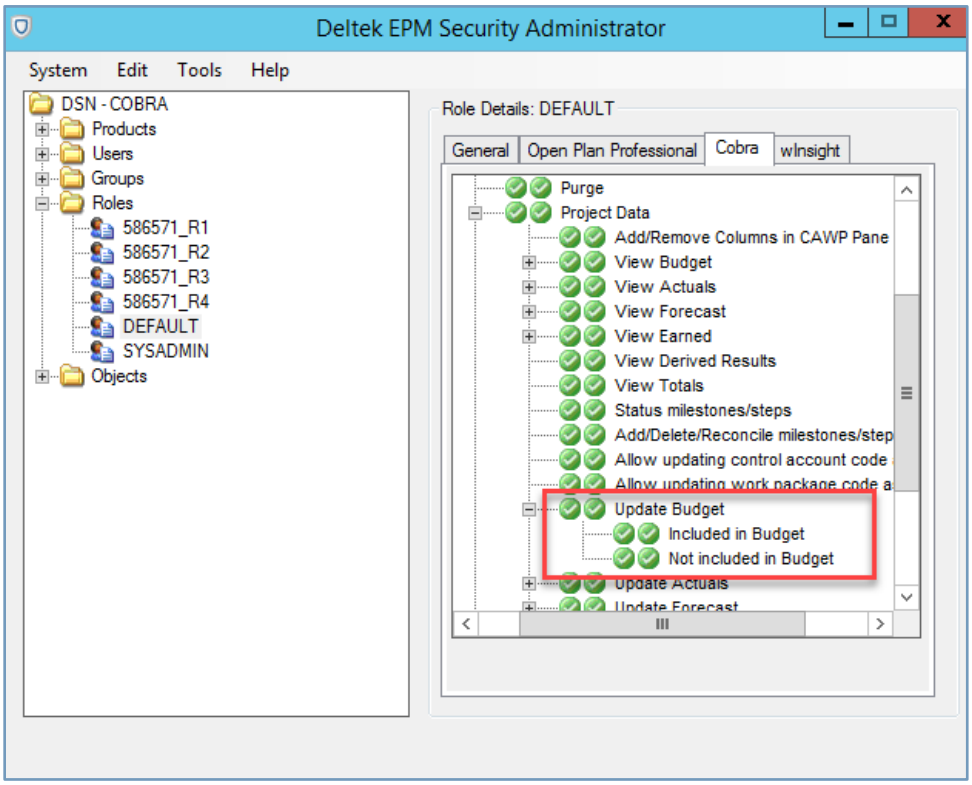
Attention: See the "Reclass Guidelines," "Source Class Page of the Reclass Wizard," and "Target Class Page of the Reclass Wizard" topics in the Cobra Help System.

Secure Baseline Dates

There is a security option in Cobra that allows certain roles to update or prevent them from changing the time-phased spread values for certain budget classes. This has been updated to also prevent you from modifying the baseline dates of control accounts and work packages if you do not have rights to update budget classes included in the budget totals, as this may affect the time-phased spread values.

If you have rights to update budget classes included in the budget totals, you can update the baseline dates of control accounts and work packages, even if you do not have rights to update budget classes that are not part of the budget totals.

To secure update rights to a budget class, click the **Project Data » Update Budget** item in the EPM Security Administrator (EPMSA) tool.



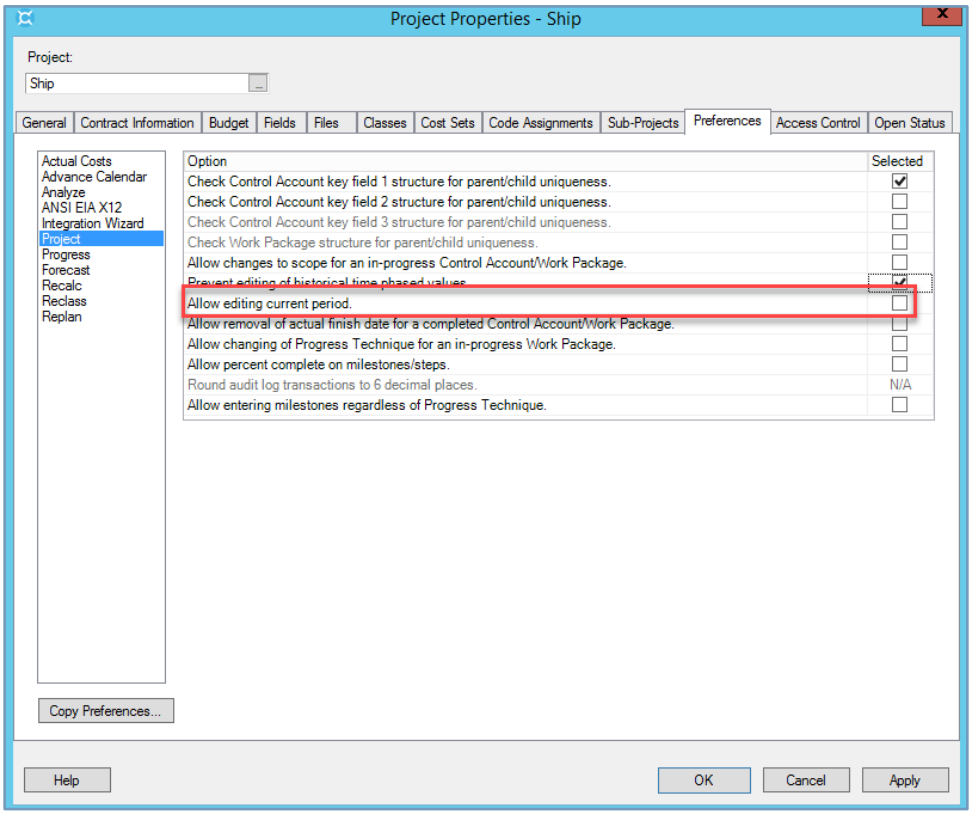
This feature impacts the following areas and processes in Cobra:

- Project View
- Integration using Scheduling Tools (File, Open Plan, Primavera, and MS Project)
- Assignment Import
- Reclass

Attention: See the "Secure Baseline Dates" topic in the Cobra Help System for rules and guidelines in modifying the baseline dates in these areas.

Edit Current Status Period When Prevent Editing of Historical Data is Secured

Cobra allows you to edit the current status period even if the **Prevent editing of historical time phased values** option is selected using the **Allow editing current period** option on the Project Preferences tab of the Project Properties dialog box.



This option is available only if the **Prevent editing of historical time phased values** option is selected. If selected, Cobra allows you to perform the following:

- You can edit the current period for budget and progress resource assignments in the Time-phase pane and Time-phase Detail pane of the Project view.
- When you add a budget resource assignment in the Project View, the current period will be included when spreading the time-phased values.
- When you edit total time-phased values of a budget resource assignment in the Project view, the **All fiscal periods** option on the Spread dialog box is enabled if the resource assignment start date falls on the current period.

This option applies anywhere the **Prevent editing of historical time phased values** option is applicable.

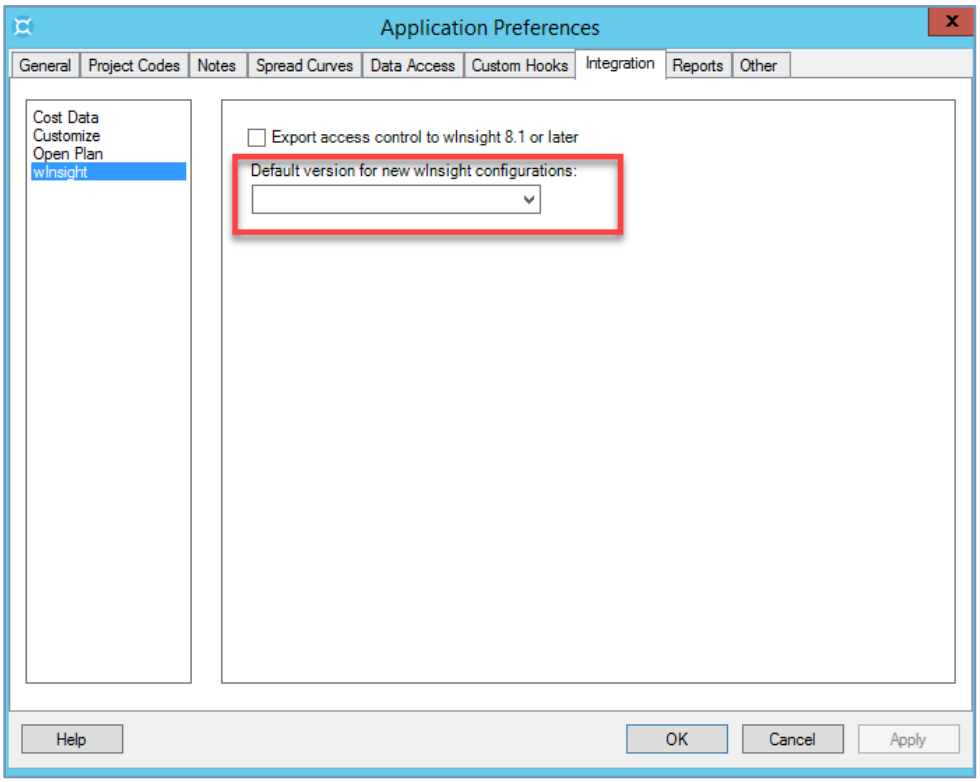
Attention: See the "Project Preferences" topic in the Cobra Help System.

Other Enhancements

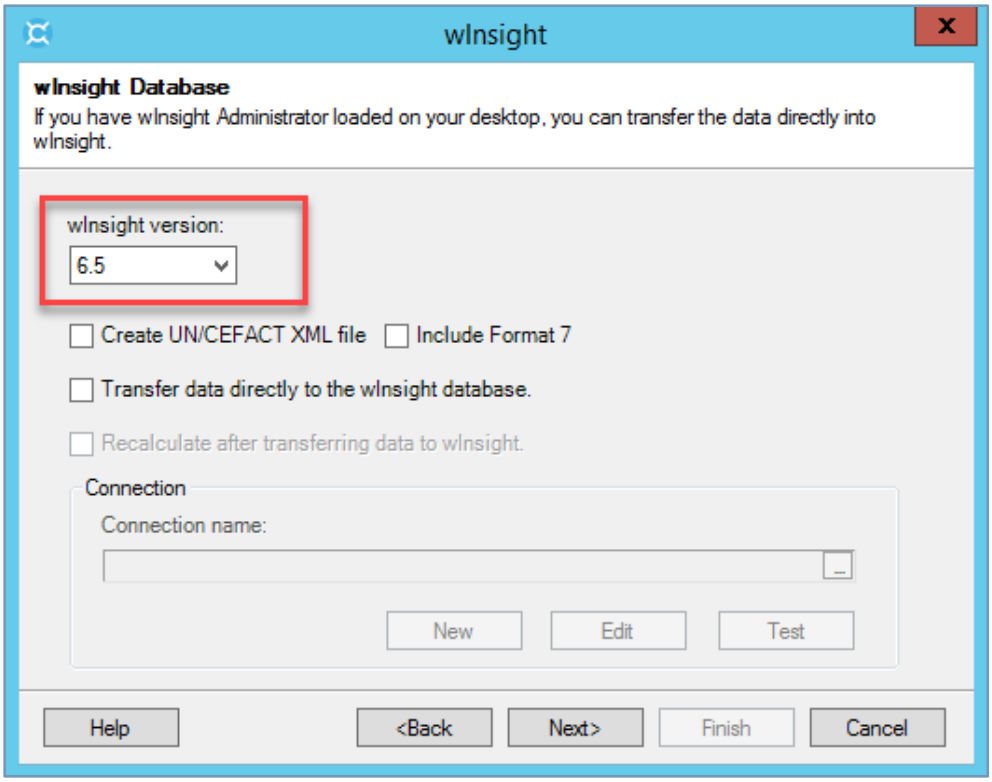
This section discusses enhancements made to existing Cobra features and functionalities.

Set Default wInsight Version for New Configurations

You can set the default wInsight version to use for new configurations during wInsight Data Export. The **Default version for new wInsight configurations** option is added to the wInsight Integration tab of the Application Preferences dialog box.



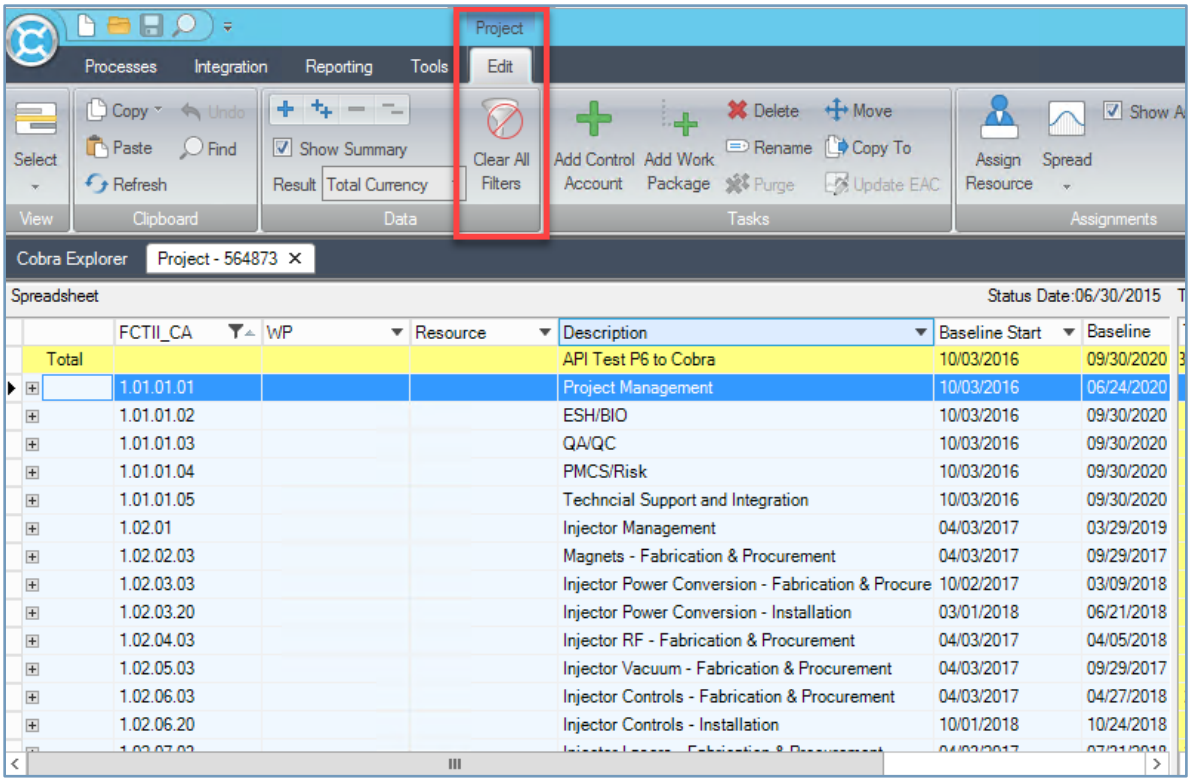
By default, this option is blank. If not specified, the **wInsight version** field on the wInsight Database page of the wInsight wizard is set to version **6.5** by default.



Attention: See the "Integration Tab of the Application Preferences Dialog Box" topic in the Cobra Help System.

Clear All Filters Applied to the Project View

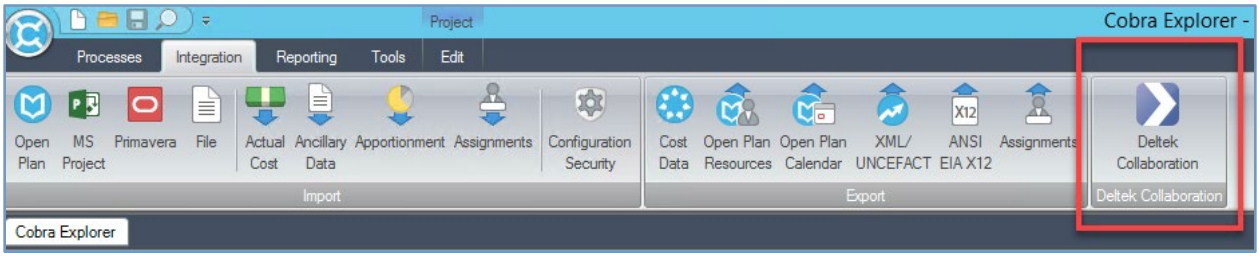
You can remove all filters applied to the Spreadsheet pane of the Project view using the **Clear All Filters** command on the Edit tab of the Project view.



Attention: See the "Edit Tab of the Project View" and "Clear Filter" topics in the Cobra Help System.

KONA Changed to Deltek Collaboration

The KONA command on the Integration tab is changed to **Deltek Collaboration**.



Attention: See the "Integration Tab" topic in the Cobra Help System.

Enabled Save and Save As Commands Color Update

To easily recognize the difference between their enabled and disabled states, the **Save** and **Save As** commands are changed to blue icons when enabled.

Command	Enabled	Disabled
Save		
Save As		

Attention: See the "Cobra Button" topic in the Cobra Help System.

Display CAM and WP Manager Descriptions on Reports

When creating reports, you can display the CAM Description using the **{CriteriaN.ManagerId.Description}** tag if the CAM uses a code or a user field or the WP Manager Description if the WP manager uses a user field. This tag supports the **Control Accoun**t and **Work Package** criteria on the Sub-Totals page of the Report wizard**.**

Attention: See the "Property Tags" topic in the Cobra Help System.

Threshold Term Updated

The term referring to the Cobra-wide settings for color changes is updated from "threshold" to "color band."

Attention: See the "Color Band" topic in the Cobra Help System.

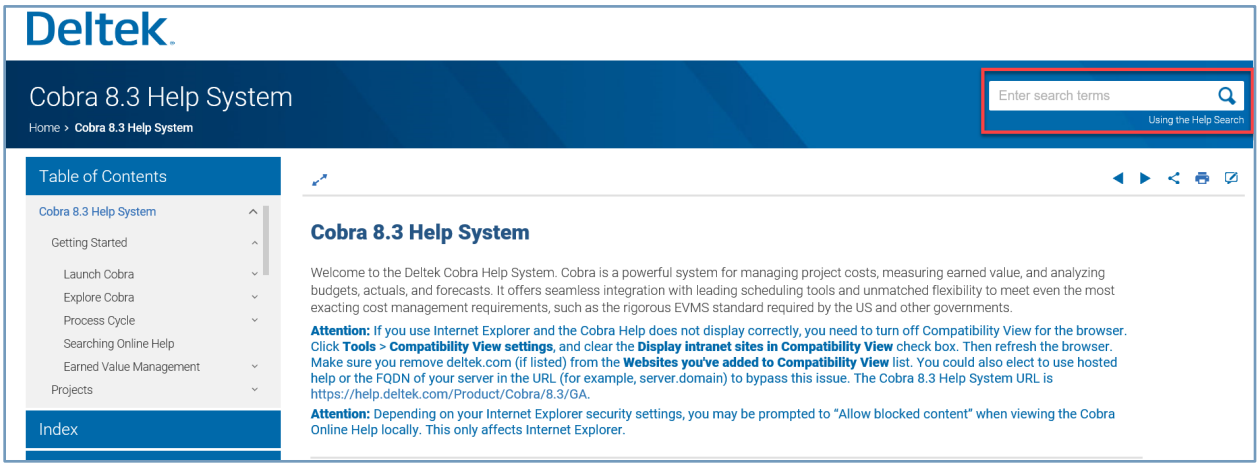
Online Help Improvements

The Cobra Help System has been improved in this release.

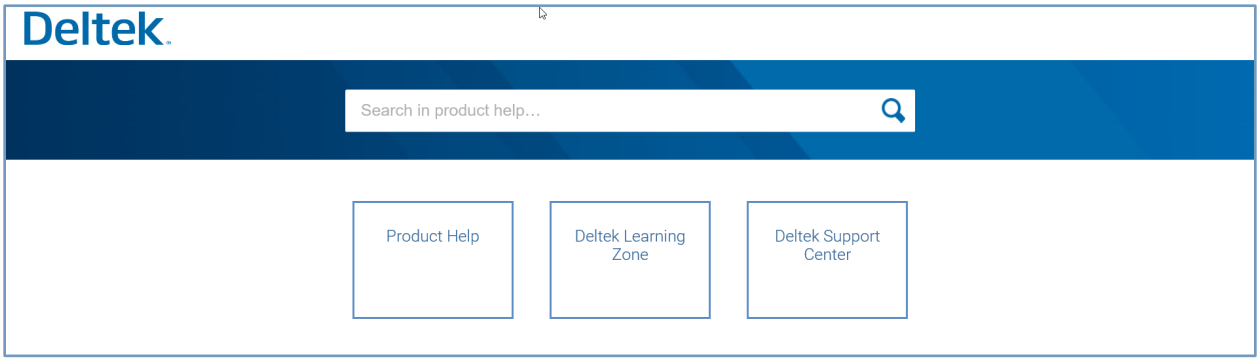
Online Help Search

You can search for complete phrases in topics and use an AND word search.

The search field is in the upper corner of the Help screen.



You can also click the word **Deltek** in the upper left corner of the Help screen to open the Help home page, which also has a search field.



Searching for Phrases in Topics

Enter phrases in quotation marks in the Help search field to return a list of only the topics that contain the complete phrase.

Example:

What you want to search for	Entry in the help search field
All topics that mention the cost data export	"cost data export"

Searching for Multiple Words in Topics (AND Search)

To search for topics that include all the words that you enter in the search field, enter a plus sign (+) between each word. Each topic returned includes all the words that you entered in the search field, regardless of the order of the words or whether the words are adjacent to each other in each topic.

Example:

What you want to search for	Entry in the help search field
All topics that contain both the words "dcde" and "file"	dcde + file

Searching for Multiple Words in Topics (OR Search)

When you enter words in the help search field without quotes or plus signs, the search assumes an OR between each word. All the topics that have any or all of the words are returned in the search.

An OR search is helpful when you are looking for something, but you are not sure of the name or term used in the help.

Example:

What you want to search for	Entry in the help search field
All the topics that contain the word “total” or “row” or both	total row

Scope of the Help Search

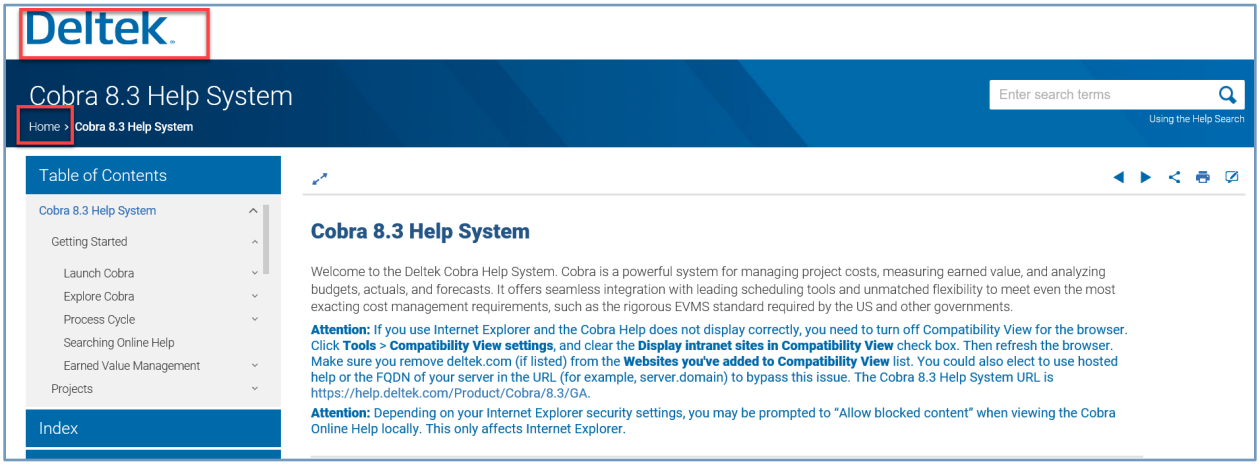
The search field in online help searches only the help topics. It does not search for content from the Deltek Learning Zone or the Deltek Support Center website.

> **Attention:** See the “Searching Online Help” in the Cobra Help System.

A New Home Page

The home page now has links to the Deltek Learning Zone and the Deltek Support Center websites. To access the home page:

- Click the word **Deltek** in the upper left corner of the screen.
- Click **Home** in the help navigation breadcrumb path above the Table of Contents.



An Easy Way to Send Feedback to Deltek about Any Help Topic

On any help topic, click the new **Send Feedback** icon in the toolbar above the topic.

In the email that automatically opens, answer the guided questions to easily enter comments and suggestions for the specific topic, and click **Send**. The **To** and **Subject** fields in the email are prefilled automatically. The body of the email prefills with the help topic name.

We appreciate your constructive feedback to help us continuously improve the online help.

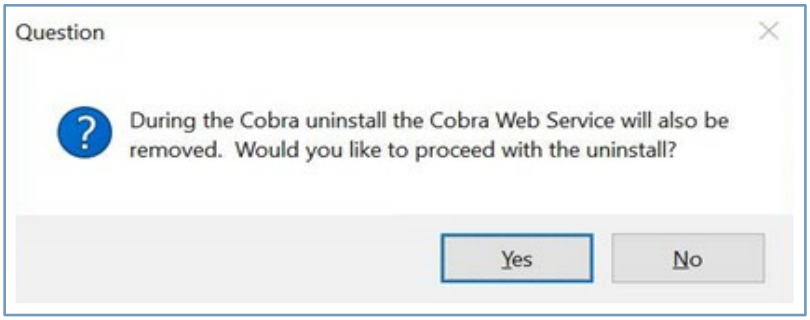
Note: The first time you click , you must select your email application in the How Do You Want to Open This dialog box. Also, select the **Always use this app** check box so that this dialog box does not display each time you click .

InstallShield Wizard Updates

This section describes the changes made to the Cobra Installation wizard.

Provides an Option to Uninstall Cobra Web Service Automatically When Detected

The Cobra-InstallShield wizard is updated to check if the Cobra Web Service is deployed on the same machine where Cobra is installed. If Cobra Web Service is detected, the wizard displays the following message:



Click **Yes** to allow the wizard to uninstall the Cobra Web Service first, followed by Cobra.

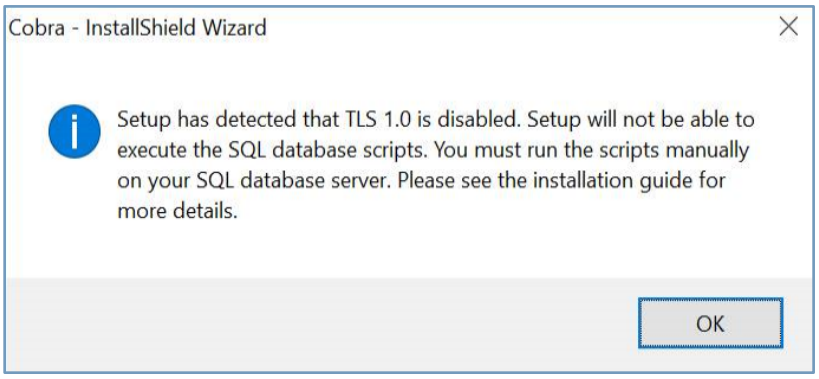
Attention: See the “Uninstall Cobra” and “Uninstall Cobra Web Service” sections in the *Deltek Cobra 8.3 Installation Guide* for more information.

Checks if TLS 1.0 is Enabled or Disabled

If you are using a Microsoft SQL Server database, the Cobra-InstallShield wizard checks if TLS 1.0 is enabled or disabled on the machine where Cobra is installed during:

- **New installation**: The wizard checks your machine after you click **Next** on the Database Servers page.
- **Upgrade installation**: The wizard checks your machine after you click **Next** on the Welcome page.
- **Using the Database Upgrade wizard**: The wizard checks your machine after you select a data source and you click **Next** on the Data Sources Available to Upgrade page

If TLS 1.0 is disabled, the following message displays:



Attention: See the "New Installation Steps," "Cobra Upgrades," "Appendix D: Cobra Database Upgrade Wizard," and "Appendix F: Secure Transport Layer Security (TLS)" sections of the *Deltek Cobra 8.3 Installation Guide* for more information.

Support for New Technologies and Deltek Products

Cobra 8.3 supports the following technologies and Deltek products.

Attention: See the "Software Requirements" section in the *Deltek Cobra 8.3 Installation Guide* for the complete list of supported and compatible technologies.

Supported Deployment Technology	
Operating System	▪ Microsoft Windows Server 2019
Citrix	▪ Citrix Virtual Apps and Desktop 7.* (Windows Server 2019)
SharePoint	▪ VMWare Horizon 7
Database Platform	▪ Oracle 19.3 ▪ Oracle 18.3
Database Driver	▪ MS OLE DB Driver for SQL Server
Microsoft Office	▪ Microsoft Excel 2019 ▪ Microsoft Excel 365 (ProPlus)
Scheduling Tool	▪ Microsoft Project Standard 2019 ▪ Microsoft Project Professional 2019 ▪ Microsoft Project Server 2019
Primavera	▪ Primavera P6 17.12 ▪ Primavera P6 18.8

Supported Deployment Technology	
Deltek Integrated Products	▪ wInsight 8.3 ▪ Open Plan 8.3 ▪ Open Plan 8.4 ▪ Acumen 8.4 ▪ Acumen 8.5 ▪ Acumen 8.6
Embedded Technologies	▪ Visual C++ 2017 Redistributable Package (x86)
.NET Framework	▪ Microsoft .NET Framework 4.7.1 ▪ Microsoft .NET Framework 4.7.2

Software Issues Resolved

Descriptions of Software Issues

You will notice that the descriptions of some software defects contain extra information, including ways to work around the defects. For the most part, these issues were addressed before this release through hot fixes, and the additional information was developed to help you decide whether or not you needed to install the hot fixes.

When you install this release, you must install all fixes in the release; you cannot choose to install some and not others. Nevertheless, this additional information has been included in case you instituted some of the workarounds and can now stop using them, or you simply want more background information about the defect repairs.

API » PMC Web Services

Defect 927274

Description: When a change request moved dates without changing the budgeted amount, the Respread process that was run as part of the integration did not calculate the costs correctly.

Customers Impacted: This defect affects users who integrate Cobra with PM Compass.

Workaround Before Fix: Run Recalc after completing a change request.

Additional Notes: None. This is tracked in PM Compass 8.1 Cumulative Update 02 Defect 601913.

Files Updated:

- Cobra.Process.dll
- Cobra.WinUI.exe
- Cobra.WinUI.*.dll

API » Web Services

Defect 1192259

Description: When there were multiple reports with the same name but with different owners and one of them was the last selected report in the Personal Reports pane of the Cobra Explorer, Cobra would not select this report when you refreshed the view if you were not the first report owner.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Defect 1192262

Description: When there were multiple reports with the same name but with different owners and different table types, and you created a new filter for one of these reports, Cobra would display the fields from the table type on the report owned by the first owner on the Field Lookup dialog box of the New Filter Expression dialog box.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: For example, you have one report based on a project and another one based on a code file. When you create a new filter for the project report, Cobra will display the fields from the Code file table on the Field Lookup dialog box of the New Filter Expression dialog box.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Batch Reports » Batch Report Processing

Defect 609214

Description: When you ran a batch report that contained a report which no longer existed, Cobra would stop responding and crash.

Customers Impacted: This defect affects all users.

Workaround Before Fix: Remove the invalid report from the batch report definition.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Defect 1178151

Description: When you ran a batch report with a valid specified output path that you did not have the write access permission to, Cobra would display the "Access denied" message for each report in the batch instead of a single message for the entire batch.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe

- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Defect 1178152

Description: When you ran a batch report that contained a report that existed multiple times with the same name but with different owners, Cobra would run the report owned by the first owner instead of the owner selected in the batch report.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Defect 1178153

Description: When you ran a batch report without a specified output path, Cobra would not display any warning message.

Customers Impacted: This defect affects all users.

Workaround Before Fix: Specify a valid output path for the batch report.

Additional Notes:

- This scenario will not occur under normal circumstances because Cobra does not allow you to add or edit a batch report with a blank output path.
- Cobra previously saved the reports to the user's "Temp" folder. Now, the reports are not generated at all.
- When you run the Batch Report process through the API, the process hangs indefinitely.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Documentation

Defect 1194759

Description: The description of the Forecast, Early, Late, and Pending Date fields on the General Tab of the Project View topic must be updated.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- General Tab of the Project View.html

Defect 1207502

Description: The Cobra Installation Guide did not contain sufficient information on how to upgrade your Cobra version.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: See the Upgrade from Cobra 8.x to the Latest Version section in the Cobra 8.3 Installation Guide.

Files Updated:

- DeltekCobra83InstallationGuide.pdf

Explorer View » Explorer View

Defect 1128585

Description: When you checked the IEAC and IEAC2 field values in the Project pane of the Cobra Explorer, the final values were computed based on the rounded-off values instead of the actual values.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: Rounding should only be applied to the final value and not on the derived values used as part of the computation.

Example:

- IEAC is computed as ACWP + ((1/CPI)+(BAC-BCWP)). CPI is computed as BCWP/ACWP.
- If CPI has a computed value of 1.025678, it should be used as is and not rounded off to 1.03 when used in computing the value for IEAC.

Files Updated:

- Cobra.Model.dll
- Cobra.Model.LoginManager.dll
- Cobra.WinUI.*.dll
- Cobra.WinUI.exe

Framework

Defect 915207

Description: When you entered a value on a blank date field on the General tab of the Project view and then deleted the value without clicking another date field, Cobra would encounter an unhandled exception error.

Customers Impacted: This defect affects all users.

Workaround Before Fix: Click another date field before you delete the value you entered.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- C1.C1Zip.2.dll
- C1.C1Zip.2.XML
- C1.Win.2.dll
- C1.Win.C1Chart.2.dll
- C1.Win.C1Command.2.dll
- C1.Win.C1FlexGrid.2.dll
- C1.Win.C1Input.2.dll
- C1.Win.C1Ribbon.2.dll
- C1.Win.C1Themes.2.dll

Installation

Defect 974838

Description: When you installed Cobra 8.2 the length value for the WST_CDR.INTEGRATION_ID record in the Data Dictionary was incorrect.

Customers Impacted: This defect affects all users who are using Cobra 8.2.

Workaround Before Fix: None.

Additional Notes: The length value for the WST_CDR.INTEGRATION_ID record should be 10 instead of 4.

Files Updated:

- Cobra83_Upgrade_SqlServer.sql
- Cobra83_Upgrade_Oracle.sql

Project Processes » Assignment Export or Import

Defect 185437

Description: Work package and resource assignment data was missing from the exported file after performing assignment export.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: This defect was introduced in Cobra 5.1 Hot Fix #08.

Files Updated:

- Cobra.WinUI.exe

Project Processes » Calculate Progress

Defect 1183695

Description: When you ran the Calculate Progress against a project with a small batch of control accounts and there were multiple API process running at the same time, the Cobra log would display the "SQL error inserting assignment records" error and the "Record locked by another user" warning.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Process.dll

Defect 1183708

Description: When you ran the Calculate Progress against a work package with the Level of Effort progress technique, Cobra would allow the percent complete value to be calculated at less than 0 or greater than 100. If the percent complete value was calculated to be less than -9999.999999 or greater than 9999.999999, Cobra would generate the "Error updating WP PC_COMP" error.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: When the percent complete value is calculated to be less than -9999.999999 or greater than 9999.999999, the following errors are generated on the ProcessLog.xml log file:

- Oracle: ORA-01438: value larger than specified precision allowed for this column
- SQL Server: Arithmetic overflow error converting float to data type numeric.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Process.dll

Project Processes » Reclass

Defect 1213994

Description: When you ran the Reclass wizard, Cobra would create time-phased periods with explicit zero values within the specified date range if you performed the following actions on the wizard pages:

- Set the **Copy resource assignment codes** field on the Options page to **Source**.
- Set the **Copy and Delete** option on the Source Class page.
- Selected an actual class on the Source Class page or an actual class on the Target Class page.
- Selected the **Reclass by a specific date range** option on the Date Range page.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: Cobra should not create time-phased periods with explicit zero values for an Actual class type.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Process.dll

Defect 1203498

Description: When you ran the Reclass wizard, Cobra would delete the source resource assignment if you performed the following actions on the wizard pages:

- Set the **Copy resource assignment codes** field on the Options page to **Source**.
- Selected **Copy and Delete** on the Source Class page.
- Selected **Replace existing** on the Target Class page.
- Selected the **Reclass by a specific date range** option on the Date Range page and specified a date range that was outside the periods of the source resource assignment.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: Cobra should not delete the source resource assignment because it still contains time-phased data.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Process.dll

Defect 1205079

Description: When you ran the Reclass wizard, Cobra would set the date of the last period of the source resource assignment to the calendar date instead of the control account/work package finish date if you performed the following actions on the wizard pages:

- Set the **Copy resource assignment codes** field on the Options page to **Source**.
- Selected a non-Actual class and the **Copy and Delete** option on the Source Class page.
- Selected an Actual class on the Target page.
- Selected the **Reclass by a specific date range** option on the Date Range page and set a date range that included the last period of the source assignment.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll

- Cobra.WinUI.exe
- Cobra.Process.dll

Defect 1104419

Description: The Reclass performance has been improved in the following scenarios:

- The source and target class types were different.
- The **Add to existing** option on the Target Class page was selected, and the **Copy resource assignment codes from** field on the Options page was set to **Source**.
- The **Add to existing** option on the Target Class page was selected, and the **Total Project** option in the **Criteria** field on the Criteria page was selected.
- The **Add to existing** option on the Target Class page was selected, and the **Reclass all period in your project** option on the Date Range page was selected.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Process.dll

Defect 1210159

Description: When you set invalid values in the **From** and **To** fields on the Date Range page of the Reclass wizard, Cobra would display the following incorrect error messages:

- Please select a From value.
- Please select a To value.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: The correct error messages should be:

- Please select a valid From date value.
- Please select a valid To date value.

Files Updated:

- Cobra.Resources.dll

Projects » Project Information

Defect 421810

Description: When you cleared the **Address**, **State**, and **Zip** fields on the Contract Information tab of the Project Properties dialog box and clicked Save, Cobra would encounter the ""Save failed - ORA-01407: cannot update ("WELCOM"."PROGRAM"."ADDRESS") to NULL" error.

Customers Impacted: This defect affects users who run Cobra on an Oracle database.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Projects » Project View

Defect 1183312

Description: When you opened a project, the control account row in the Time-phase pane of the Project view displayed 0 values.

Customers Impacted: This defect affects users who run Cobra on Oracle 12c or Oracle 18c database.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Defect 1179636

Description: When you modified a control account or work package in the Spreadsheet pane of the Project view, moved to a different control account, and changed the current selection in the **Result** list, Cobra would display a dialog box asking you to save the pending changes in the currently selected control account even if there was none.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: Changes are still saved when you click **Yes** on the dialog box.

Files Updated:

- Cobra.Resources.dll
- Cobra.WinUI.*.dll
- Cobra.WinUI.exe

Defect 1179622

Description: When you modified multiple control accounts and applied a filter in the Spreadsheet pane of the Project view, Cobra only saved the changes in the currently selected control account.

Customers Impacted: This defect affects all users.

Workaround Before Fix: Save all your changes by clicking save before applying a filter in the Spreadsheet pane.

Additional Notes: None.

Files Updated:

- Cobra.Resources.dll
- Cobra.WinUI.*.dll
- Cobra.WinUI.exe

Defect 1134576

Description: When you adjusted the work package dates in the Project view such that time-phased data on budget or forecast resource assignments fell outside the work package dates, and you clicked **Yes** when prompted to automatically adjust time-phased data, the corresponding control account row in the Time-phase pane would retain zero values for time-phased periods outside the work package dates.

Customers Impacted: This defect affects all users.

Workaround Before Fix: Refresh the Project view.

Additional Notes: None.

Files Updated:

- Cobra.Model.dll
- Cobra.Model.LoginManager.dll
- Cobra.WinUI.*.dll
- Cobra.WinUI.exe

Defect 1116945

Description: The **Hours VAC %**, **IEAC**, **IEAC2**, and **Hours IEAC2** fields in the Spreadsheet pane of the Project view displayed incorrect values for control account and work packages.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: These fields should be computed using the following formulas:

- IEAC = ACWP + ((1 / CPI) * (BAC - BCWP))
- IEAC2 = ACWP + ((1 / (CPI * SPI)) * (BAC - BCWP))
- Hours IEAC2 = ACWP Hours + ((1 / (CPI Hours * SPI Hours)) * (BAC Hours - BCWP Hours))
- Hours VAC% = ((BAC Hours - EAC Hours) / BAC Hours) * 100

Files Updated:

- Cobra.Model.dll
- Cobra.Model.LoginManager.dll
- Cobra.WinUI.*.dll
- Cobra.WinUI.exe

Defect 1119989

Description: The **Hours SV%** field in the Project pane of the Cobra Explorer was incorrectly calculated using this formula: ((BCWP Hours - ACWP Hours)/BCWS Hours) * 100.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: The Hours SV% value should be computed using this formula: ((BCWP Hours - BCWS Hours)/BCWS Hours) * 100.

Files Updated:

- Cobra.Model.dll
- Cobra.Model.LoginManager.dll
- Cobra.WinUI.*.dll
- Cobra.WinUI.exe

Reports

Defect 1202233

Description: When you opened the Access Control tab of the Report Properties dialog box of a report with the same name as a shared report owned by another user, Cobra would display the following incorrect message:

"A shared report with this name already exist. Updating the access rights for this report has been disabled. However, you may still update the owner for this report."

When you ran the Report wizard and saved a report with the same name as your personal report, Cobra would display the following incorrect message: "A report named '<ReportName>' and owned by '<ReportOwner>' already exist. Do you want to overwrite this report?"

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: The correct messages for these scenarios are as follows:

- "A shared report with this name already exists. Updating the access rights for this report has been disabled. However, you may still update the owner for this report."
- "A report named '<ReportName>' and owned by '<ReportOwner>' already exists. Do you want to overwrite this report?"

Files Updated:

- Cobra.Resources.dll

Reports » Report Information

Defect 405714

Description: When you opened the report information tab of a report whose name was the same as the name of a standard report, Cobra would encounter an unhandled exception error.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Reports » Report Wizard

Defect 876747

Description: When you created or edited a personal copy of a shared report with more than 2 access control entries, Cobra would encounter an error.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.Model.dll
- Cobra.Model.LoginManager.dll

Reports » Reports

Defect 1136164

Description: Cobra did not support a report template tag with 3 sections (for example, {CriteriaN.CodeAsg[N].Description}) on any Format Report types except IPMR and CPR Format 3.

Customers Impacted: This defect affects all users.

Workaround Before Fix: None.

Additional Notes: None.

Files Updated:

- Cobra.WinUI.*.dll
- Cobra.WinUI.exe
- Cobra.ReportLayoutEngine.dll

Security

Defect 1194363

Description: When you logged into Cobra as a GUEST after a fresh installation, Cobra would allow you to access the SQL Command Utility.

Customers Impacted: This defect affects all users.

Workaround Before Fix: Log into the EPM Security Administrator tool and disable the access of the DEFAULT role.

Additional Notes: This issue does not impact users or groups with the DEFAULT role and who are upgrading their Cobra version. If you are upgrading your Cobra version, you may want to check if you would like to continue providing access rights to the SQL Command Utility for the GUEST user account.

Files Updated:

- DataTool.exe
- DataTool.sdf
- Cobra_Data_Oracle.sql
- Cobra_Data_SqlServer.sql

Security-Related Software Issues Resolved

Additional security fixes are included in this release.

Database Changes

This section includes the changes made to the database for this release.

New Columns Added

Table Name	Column Name	Data Type
PROGRAM	CONT_IDTYPE	NVARCHAR(15)
PROGRAM	CONT_IDCODE	NVARCHAR(20)
PROGRAM	CITY	NVARCHAR(30)
PROGRAM	COUNTRY	NVARCHAR(20)
PROGRAM	CONT_REPPHONE	NVARCHAR(20)
PROGRAM	CONT_REPEMAIL	NVARCHAR(60)
PROGRAM	CONT_TASK	NVARCHAR(80)
PROGRAM	CONT_PROGRAM	NVARCHAR(80)
PROGRAM	CONT_STATEMENT	NTEXT
PROGRAM	CONT_PROGTYPE	NVARCHAR(2)
WST_FILE	FILE_UID	VARCHAR(22)
WST_FILE	FK_UID	VARCHAR(22)
WST_FILE	LASTUPDATE	DATETIME
WST_FILE	OWNER_ID	NVARCHAR(20)
WST_FILE	TABLE_TYPE	VARCHAR(30)
WST_FILE	FILE_NAME	NVARCHAR(255)
WST_FILE	FILE_DATA	VARBINARY(MAX)
WST_MESSAGE_QUEUE	MESSAGE_UID	VARCHAR(22)
WST_MESSAGE_QUEUE	SEQUENCE	INT
WST_MESSAGE_QUEUE	LASTUPDATE	DATETIME
WST_MESSAGE_QUEUE	MESSAGE_STATUS	VARCHAR(4)

Table Name	Column Name	Data Type
WST_MESSAGE_QUEUE	QUEUE_SERVER	VARCHAR(15)
WST_MESSAGE_QUEUE	USR_ID	NVARCHAR(20)
WST_PROCESSLOG	ROW_UID	VARCHAR(22)
WST_PROCESSLOG	PARENT_UID	VARCHAR(22)
WST_PROCESSLOG	PRD_UID	INT
WST_PROCESSLOG	PERCENTCOMPLETE	INT
WST_PROCESSLOG	ERRORCOUNT	INT
WST_PROCESSLOG	WARNINGCOUNT	INT
WST_PROCESSLOG	USER_ABORT	INT
WST_PROCESSLOG	STARTDATE	DATETIME
WST_PROCESSLOG	FINISHDATE	DATETIME
WST_PROCESSLOG	LASTUPDATE	DATETIME
WST_PROCESSLOG	PROCESS_ID	VARCHAR(30)
WST_PROCESSLOG	USR_ID	NVARCHAR(20)
WST_PROCESSLOG	DIR_ID	NVARCHAR(22)
WST_PROCESSLOG	TABLE_TYPE	VARCHAR(30)
WST_PROCESSLOG	LOGFILENAME	NVARCHAR(254)
WST_PROCESSLOG	PROGRESS_TEXT	NVARCHAR(254)
WST_LICN	LICN_ORG	NVARCHAR(60)
WST_LICN	LICN_CLIENT_ID	VARCHAR(100)
WST_UPD	SECURE	INT
WST_UPF	SECURE	INT

Changes to Existing Columns

Table Name	Column Name	Data Type
WST_AUDITLOG	MACHINE_ID	NVARCHAR(48)
WST_LCK	MACHINE_ID	NVARCHAR(48)
WST_LIC	MACHINE_ID	NVARCHAR(48)
WST_ULI	MACHINE_ID	NVARCHAR(48)
WST_TAB	PRD_UID	INT
WST_TAB	COTYPE	NVARCHAR(30)
WST_UPD	CATEGORY	VARCHAR(60)
WST_UPD	CAT_VALUE	VARCHAR(2000)
WST_UPF	CATEGORY	VARCHAR(60)
WST_UPF	CAT_VALUE	VARCHAR(2000)
WST_UPF	DIR_UID	VARCHAR(22)

Appendix A: Viewing the Online Help

If you use Internet Explorer and the online help does not display correctly, you need to turn off Compatibility View for the browser. Click **Tools » Compatibility View settings**, and clear the **Display intranet sites in Compatibility View** check box. Then refresh the browser. Make sure you remove deltek.com (if listed) from the **Websites you have added to Compatibility View** list. You could also elect to use hosted help or the FQDN of your server in the URL (for example, server.domain) to bypass this issue. The Cobra 8.3 Help System URL is https://help.deltek.com/Product/Cobra/8.3/GA.

Depending on your Internet Explorer security settings, you may be prompted to **"Allow blocked content"** when viewing the Cobra Online Help locally. This only affects Internet Explorer.

You may also access the online help using Chrome and Firefox.

Appendix B: For Additional Information

Deltek Support Center

The Deltek Support Center is a support Web site for Deltek customers who purchase an Ongoing Support Plan (OSP).

The following are some of the many options that the Deltek Support Center provides:

- Search for product documentation, such as release notes, install guides, technical information, online help topics, and white papers
- Ask questions, exchange ideas, and share knowledge with other Deltek customers through the Deltek Support Center Community
- Access Cloud-specific documents and forums
- Download the latest versions of your Deltek products
- Search Deltek's knowledge base
- Submit a support case and check on its progress
- Transfer requested files to a Customer Care analyst
- Subscribe to Deltek communications about your products and services
- Receive alerts of new Deltek releases and hot fixes
- Initiate a Chat to submit a question to a Customer Care analyst online

Attention: For more information regarding Deltek Support Center, refer to the online help available from the Web site.

Access Deltek Support Center

To access the Deltek Support Center:

1. Go to https://deltek.custhelp.com.
2. Enter your Deltek Support Center **Username** and **Password**.
3. Click **Login**.

Note: If you forget your username or password, you can click the **Need Help?** button on the login screen for help.

Available Documentation for this Release

The following table lists the Deltek documentation available for this release. Except where noted, all the user guides and quick reference guides listed in this table are available for download from the Deltek Support Center.

Document Name	Description
Deltek Cobra 8.3 Installation Guide	The Installation Guide provides step-by-step procedures on how to install the application. It also provides information about the software and hardware requirements of the product.
Deltek Cobra 8.3 Online Help	The Deltek Cobra Help system provides administrators and users with screen/field-level documentation for all applications and functions in the current release. You can access the Online Help from the Cobra application
Deltek EPM Security Administrator Online Help	The help system for the EPM Security Administrator provides administrators with screen/field-level documentation for all of the security features of Cobra. You can access the Help from the EPM Security Administrator application.
Deltek Cobra 8.3 Technical Overview and System Requirements	The Technical Overview and System Requirements document serves as a guideline for hardware and software requirements and provides your firm's IT department with information about the technical deployment architecture of Cobra.

About Deltek

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