

CTC SOFTWARE

A SYMETRI COMPANY

CTC CIM Manager Suite™ User Guide

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Overview

Autodesk® CAD managers at Civil and Survey firms alike will find great value in the CIM Manager Suite. The CIM Manager Suite contains Civil 3D® and AutoCAD® tools for efficient CAD management, including content and template creation and editing.

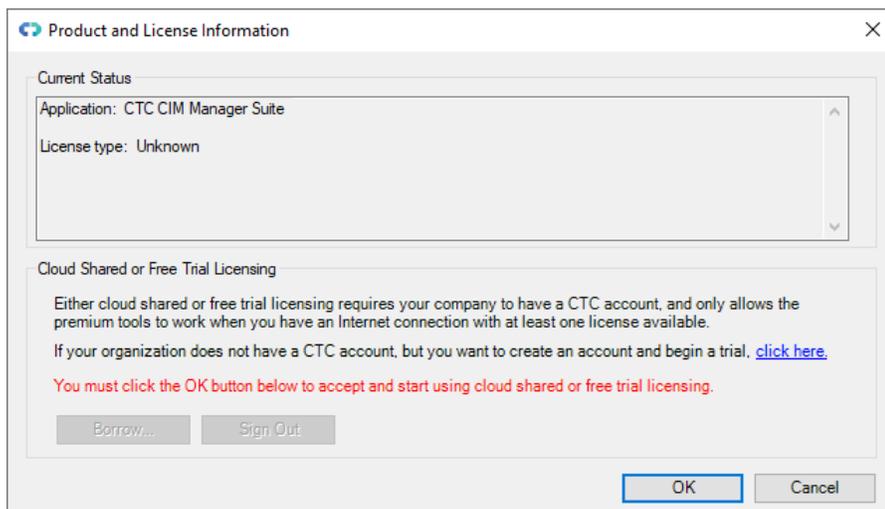
Installation and Configuration

The standard workstation installation requires little more than running the setup program. For more information regarding topics such as automating workstation installations and preconfiguring workstation settings, please refer to the *CTC CIM Suites Installation and Configuration Guide* document.

License Activation and Management

The productivity tools provided with light background colors are free tools that run without any special licensing. The productivity tools provided with dark background colors are premium tools which require licensing.

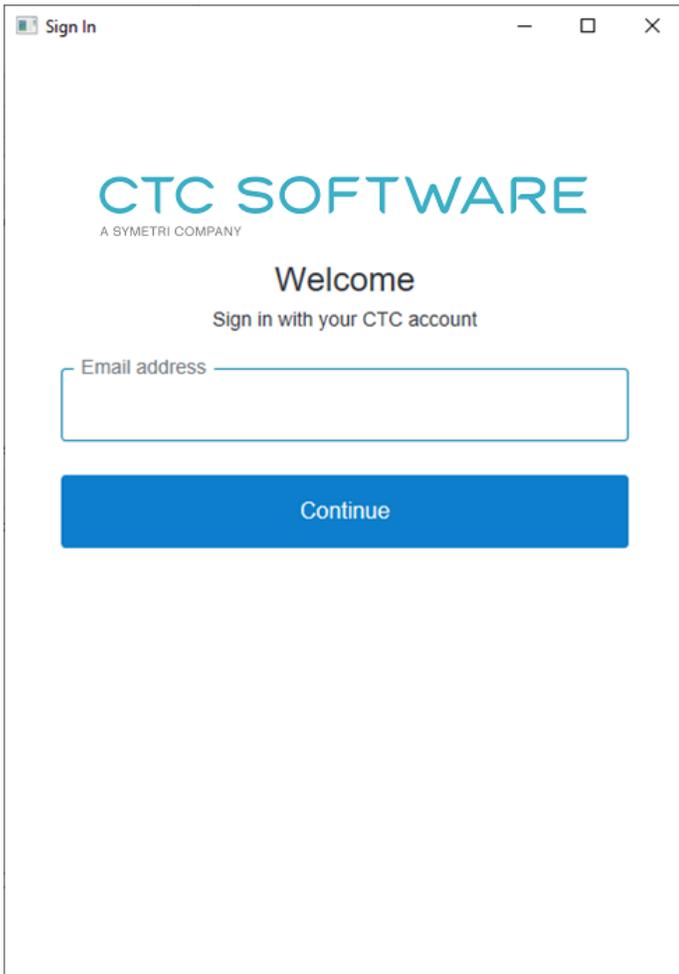
Unless initially preconfigured by the system administrator, the first time any of the licensed tools are launched, the *Product and License Information* dialog will appear which requires acknowledging the licensing requirements by clicking the OK button at the bottom.



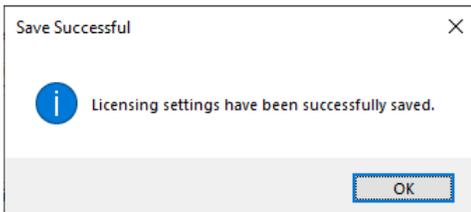
CTC Software products support only cloud-shared licensing, and also free trial licenses that use CTC's cloud licensing engine. You must click the OK button to activate the cloud licensing and acknowledge using a CTC cloud account.

The licensing will automatically apply to all of the tools that are included in the suite which require licensing. So once the first tool has configured the licensing, the other premium tools in the suite will automatically use the same configuration.

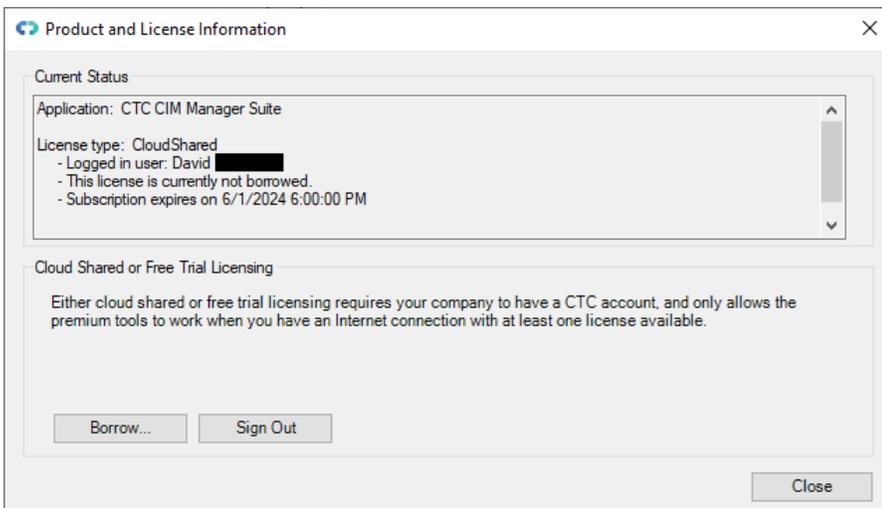
Once you click the OK button, you may be asked to login, if you aren't already logged in from using another CTC product:



Either way, once you have logged in, the product will be configured for cloud shared licensing:



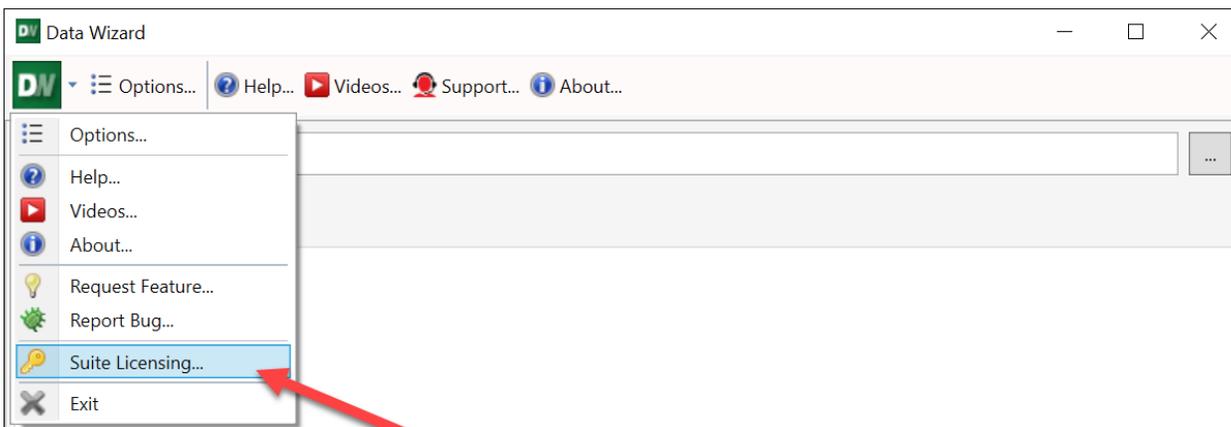
and the licensing screen will be updated to show that:



At this point, you may borrow a license for offline use. You may also Sign Out from the cloud licensing system in case a different user needs to sign in on this computer.

Changing Licensing at Any Time

Licensing can also be changed at any time using the “Suite Licensing” option from the application menu in any premium tool:



Borrowing a Cloud Shared License

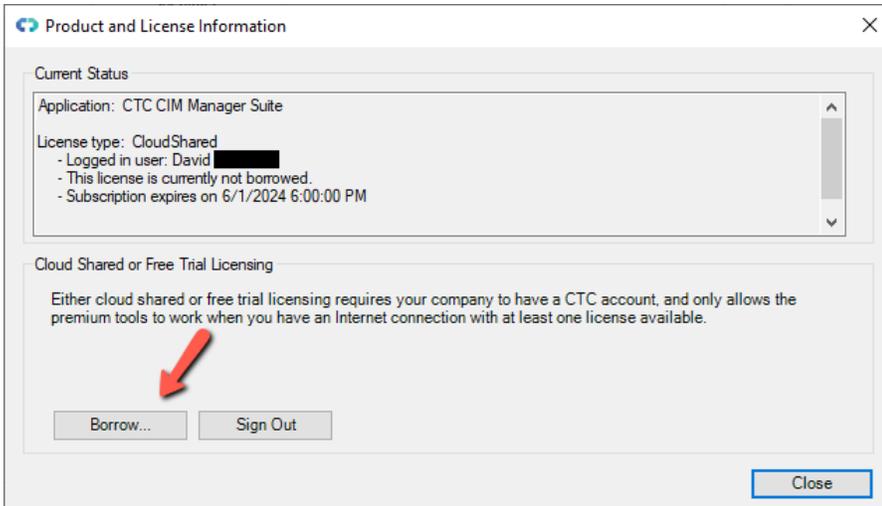
If a license is needed in anticipation of being disconnected from the Internet, borrowing a license can ensure that the CTC tools are available for use when offline.

IMPORTANT: For normal use of the software, where you have a standard Internet connection, you DO NOT need to borrow a license. Borrowing a license is normally only needed when you know you will need to use the software at a time when you won't have a reliable Internet connection. While you have a license borrowed, that is one less shared license available to all other users.

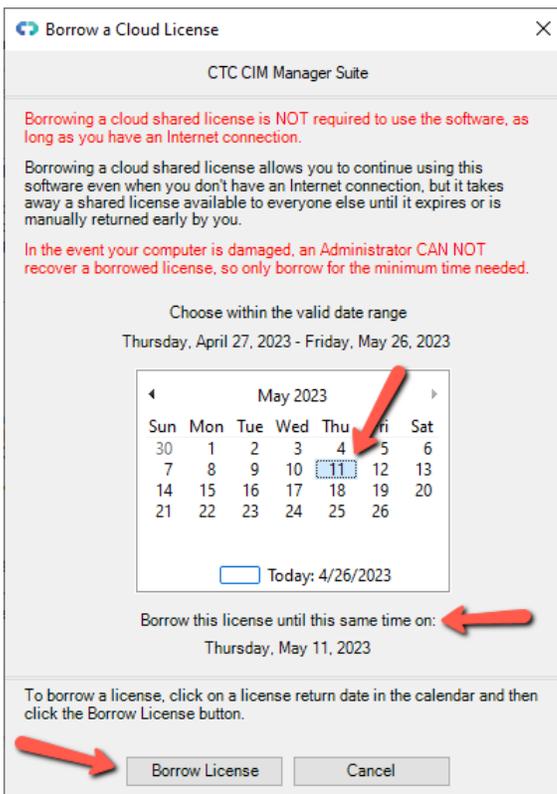
NOTE: Borrowing is only available for purchased cloud shared licenses. **Borrowing is not available for trial licenses.**

IMPORTANT: In the event your computer is lost, stolen or damaged (e.g. a hard drive crash) **an administrator CAN NOT recover a borrowed license.** In that case, the license will be unavailable to all users until the borrow period has naturally expired. *As such, you only want to borrow a license for the barest minimum amount of time needed.*

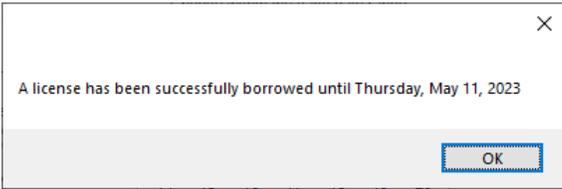
Begin by opening the *Product and License Information* screen from the main pulldown menu of a premium tool. From here, click the 'Borrow...' button to begin the process of choosing the length of time to borrow a Cloud Shared license.



The date selector should appear:

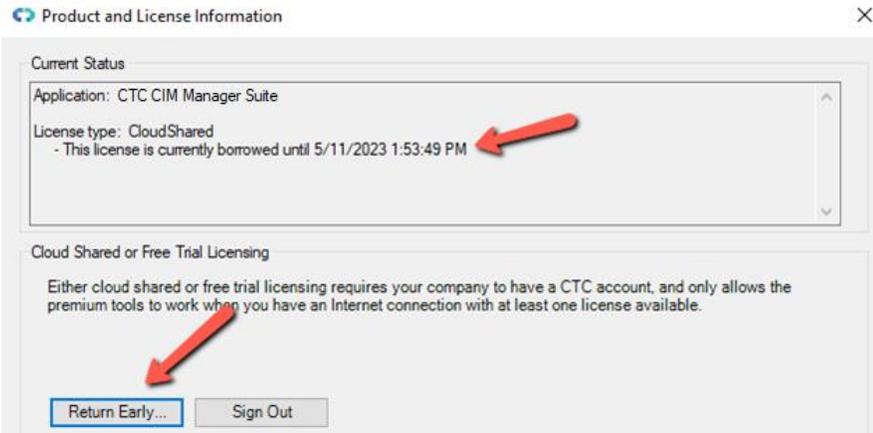


Confirm the date selection and click the *Borrow License* button. A success message should appear.

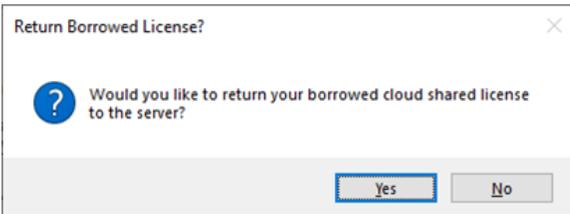


Returning a Borrowed Cloud Shared License Early

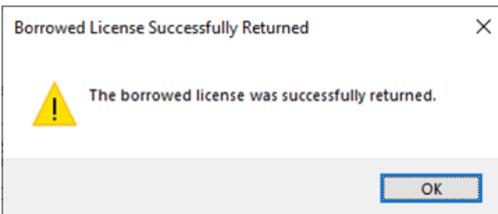
To return the license early, in the *Product and License Information* form, find the *Return Early...* button and click it.



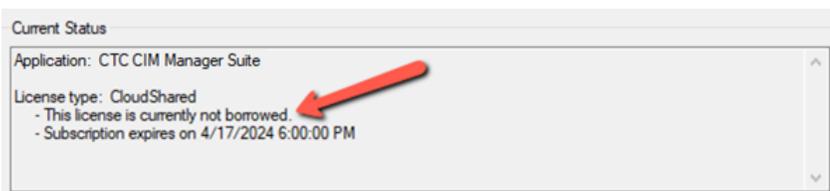
A prompt will appear confirming that the license should be returned.



Click the Yes button, then you should see:

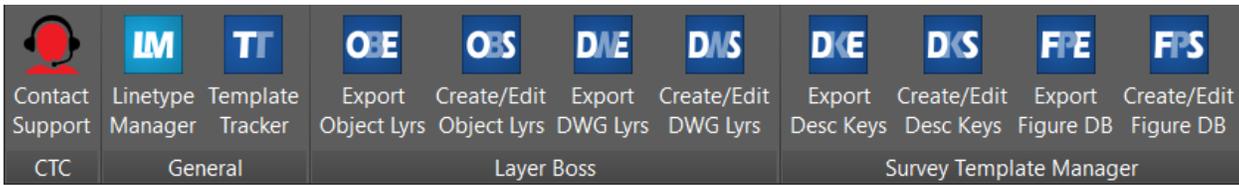


The license status should now show a 'not borrowed' message.



How to Use

All tools are launched from their respective buttons on the CIM Manager Suite Ribbon tab.



Users may also launch the tools using the follow command line strings:

- Linetype Manager LINETYPENGR
- Template Tracker TEMPLATETRACKER
- Layer Boss
 - Export Object Layer EXOBJLAY
 - Create/Edit Object Layer SETOBJLAY
 - Export Drawing Layers EXDWGLAY
 - Create/Edit Drawing Layers UPDATEDWGLAY
- Survey Template Manager
 - Export Description Key Set XDKS
 - Create or Edit Description Key Set DKS
 - Export Figure Prefix Database XFPD
 - Create or Edit Figure Prefix Database FPD

Linetype Manager

The tool consists of one dialog box that allows users to edit AutoCAD linetype files (.lin) in an intuitive and graphical way. As linetype definitions are created or assembled a preview provides instant feedback. All linetype definitions write to a native .lin file and are compatible with any DWG file.

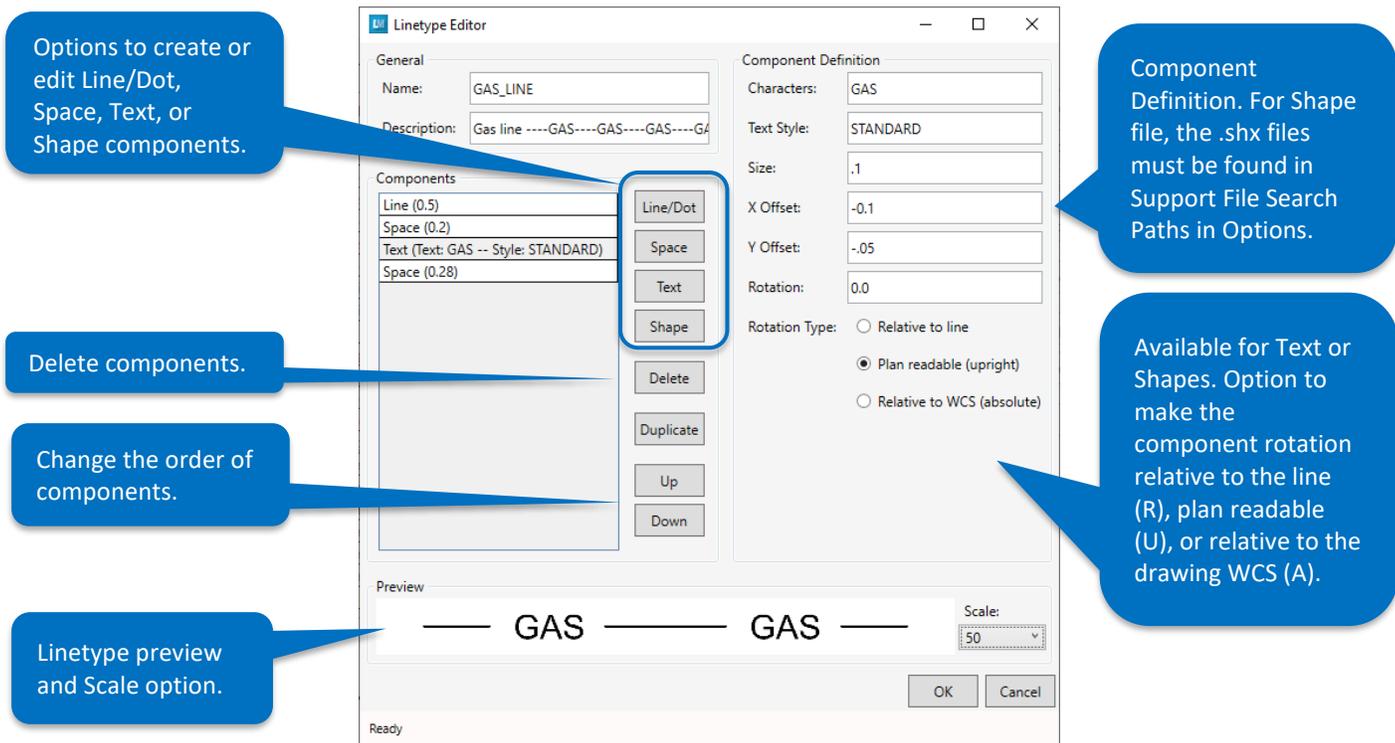
Upon command initiation the follow dialog will launch:

The screenshot shows the Linetype Manager dialog box with the following callout boxes:

- Linetype file opening and saving.** (points to the file path and save buttons)
- Filter options to limit the list of linetypes below.** (points to the Name and Description filters)
- Sort the display by linetype order or display order. When sorting by display the order does not affect the order of linetypes in the .LIN file.** (points to the Linetypes order radio buttons)
- Linetype preview and scale option.** (points to the Preview window and Scale dropdown)
- Create a new linetype.** (points to the New button)
- Import linetypes from selected objects in dwg.** (points to the Import Selected button)
- Import all linetype definitions in current dwg.** (points to the Import All button)
- Edit, Copy, or delete the currently selected linetypes.** (points to the Edit, Copy, and Delete buttons)
- Change the order that linetypes are sorted in the linetype file. Only available when "Actual" order method is selected .above.** (points to the Up and Down buttons)
- Insert selected linetypes into current drawing.** (points to the Add to DWG button)

Name	Description	Code
BORDER	Border	A,0.5,-0.25,0.5,-0.25,0,-0.25
BORDER2	Border (.5x)	A,0.25,-0.125,0.25,-0.125,0,-0.125
BORDERX2	Border (2x)	A,1,-0.5,1,-0.5,0,-0.5
CENTER	Center	A,1.25,-0.25,0.25,-0.25
CENTER2	Center (.5x)	A,0.75,-0.125,0.125,-0.125
CENTERX2	Center (2x)	A,2.5,-0.5,0.5,-0.5
DASHDOT	Dash dot	A,0.5,-0.25,0,-0.25
DASHDOT2	Dash dot (.5x)	A,0.25,-0.125,0,-0.125
DASHDOTX	Dash dot (2x)	A,1,-0.5,0,-0.5
DASHED	Dashed	A,0.5,-0.25
DASHED2	Dashed (.5x)	A,0.25,-0.125
DASHEDX2	Dashed (2x)	A,1,-0.5
DIVIDE	Divide	A,0.5,-0.25,0,-0.25,0,-0.25
DIVIDE2	Divide (.5x)	A,0.25,-0.125,0,-0.125,0,-0.125
DIVIDEX2	Divide (2x)	A,1,-0.5,0,-0.5,0,-0.5
DOT	Dot	A,0,-0.25

Upon clicking New or Edit, the following dialog box will launch:



NOTE: Importing of complex linetypes from the current drawing will prompt the user to specify the rotation type for text and shape components, because it can't be read with with Linetype Manager. Users need to specify one of three options for complex linetypes:

1. Relative to line: text and shape components will insert relative to the line object, regardless of the direction of the line segment
2. Plan readable (upright): text and shape components will insert relative to the line object, but will rotate 180 degrees upon the insertion point when the text/shape component is upside down.
3. Relative to WCS (absolute): text and shape components will insert relative to the World Coordinate System, regardless of the line segment direction.

Style Manager

Gain access to the styles used by Objects, Labels, and Tables for quick and easy editing. Editing can happen in a spreadsheet like window directly in the app, or the data can be exported to MS Excel for larger editing efforts and then imported back in to update the DWG.

Once Style Manager has been opened, the following window will appear.

The screenshot shows the Style Manager application window. On the left is a tree view of categories. The main area is a spreadsheet with columns for Type, Date Modified, Name, and Description. At the bottom, there are options for destination file, sheet name, and an export button.

Callout boxes:

- List Filters:** Points to the 'Object', 'Label', and 'Table' checkboxes at the top left.
- List of categories that contain styles:** Points to the tree view on the left.
- Expand to see additional subcategories:** Points to a plus sign icon in the tree view.
- Selected items will appear in the preview window:** Points to a selected item in the tree view.
- Styles can be exported to a new Excel file or add to an existing file:** Points to the 'Export' button at the bottom.
- Use the search bar to find specific names, layers, or text in the description:** Points to the search bar at the top right.
- Use Compare to import Excel updates highlight and apply changes:** Points to the 'Compare' button at the top right.
- Replace brings up a window with find and replace functions:** Points to the 'Replace' button at the top right.
- During export, tabs can be created based on the styles selected:** Points to the 'Sheet' dropdown menu at the bottom.

When clicking on Options, the following window will appear.

The screenshot shows the 'Options' dialog box with a 'General' tab. It contains several checkboxes and a dropdown menu.

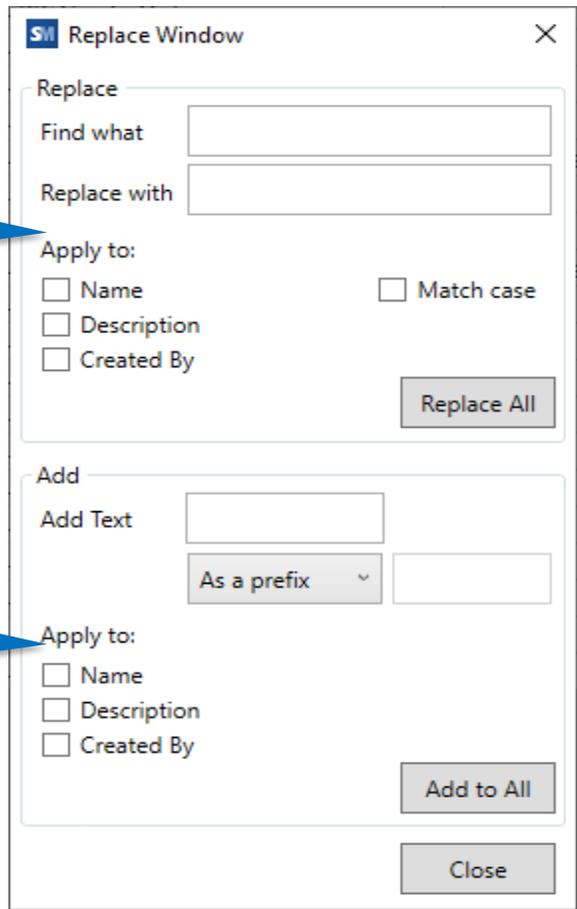
Callout boxes:

- Some basic options to remember window position and control visibility of columns in the preview window:** Points to the 'Remember the size and position of the main window.' checkbox and the 'Show Type column in right table.' and 'Show Date Modified column in right table.' checkboxes.
- This dropdown control how the category list is displayed. Either match the Civil 3D space, or sort Alphabetically:** Points to the 'Sort Category list' dropdown menu.

After clicking on the Replace button, this window will appear.

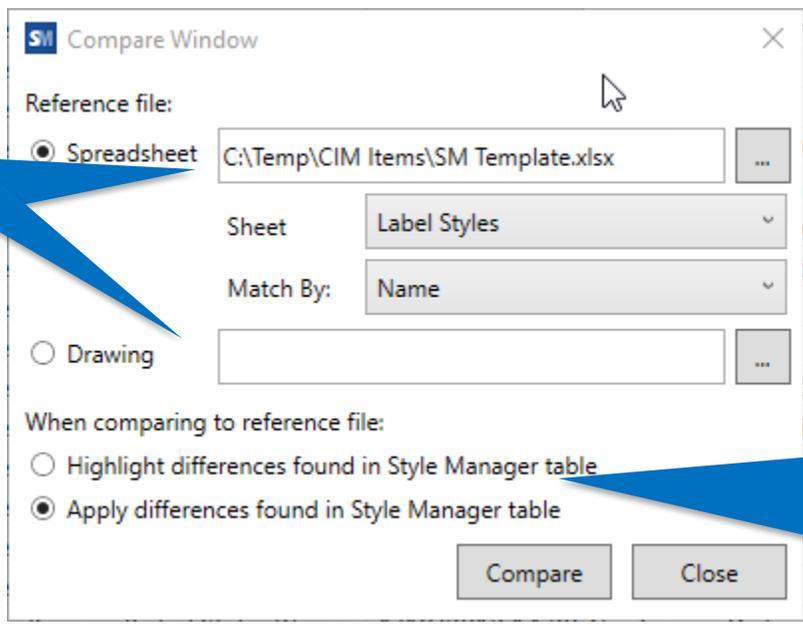
Typical find and replace command that provides the ability to control what the change will be applied to

There is also an option to add custom text as a prefix or suffix with the same application control



Using the Compare button will assist with importing changes from the edited excel files.

The compare function will allow review against edited excel files, or against other DWGs



Use the highlight option to get a visual on what is going to change, then use the apply option to see the changes before pushing back to the model

Template Tracker

Track down the use of Layers, Text, Dimension, and Leader Styles in any drawing or template. Easily replace and edit these embedded elements throughout the current file. This includes use of Layers in Civil 3D Styles, Text Styles in Dimension or Table Styles, Text Styles in Block definitions, and more. The dialog box is modeless, allowing users to simultaneously work in Template Tracker, Toolspace, Layer Manager, etc.

Once initiated, the tool will prompt the user with the following dialog box:

The screenshot shows the 'Template Tracker' dialog box with several callouts explaining its components:

- Entity type to search for.** Points to the 'Objects' dropdown menu, which is currently set to 'Layers'.
- Filters to limit the list below.** Points to the 'Filter' input field.
- List of entities in current drawing. Selecting one will populate the References list, if applicable.** Points to the 'Layers' list, where 'C-TOPO-FEAT' is selected.
- Swap all entities in the selected Objects.** Points to the 'Swap Layer' button.
- Edit Layers in a Civil 3D Style.** Points to the 'Edit Style Layers' button.
- Purge unused Civil 3D Styles.** Points to the 'Purge Styles' button.
- Delete the selected entity IF all references are removed.** Points to the 'Delete Layer' button.

NOTE: There may be some layer and text references that cannot be tracked in Template Tracker. Known references include Pressure Pipe related styles in versions 2021 and older, and some "legacy" Styles. To force delete these Layers, utilize the native LAYDEL command, followed by an AUDIT to set the reference to Layer 0.

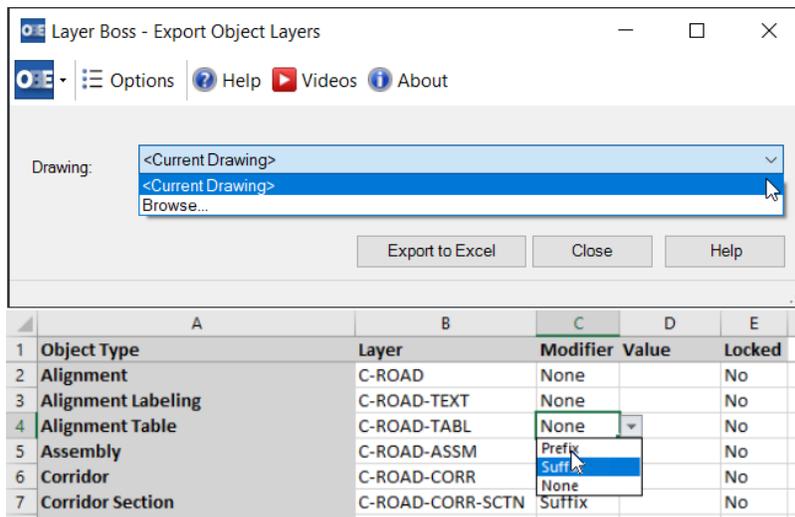
Layer Boss

Speed up Civil 3D Layer management and creation by syncing with an Excel spreadsheet. All Layer Properties can be managed from an external spreadsheet, allowing faster template management. All Civil 3D Object Layer settings can be synced in the same way. Initial spreadsheet creation occurs through a simple export option from any drawing or template file.

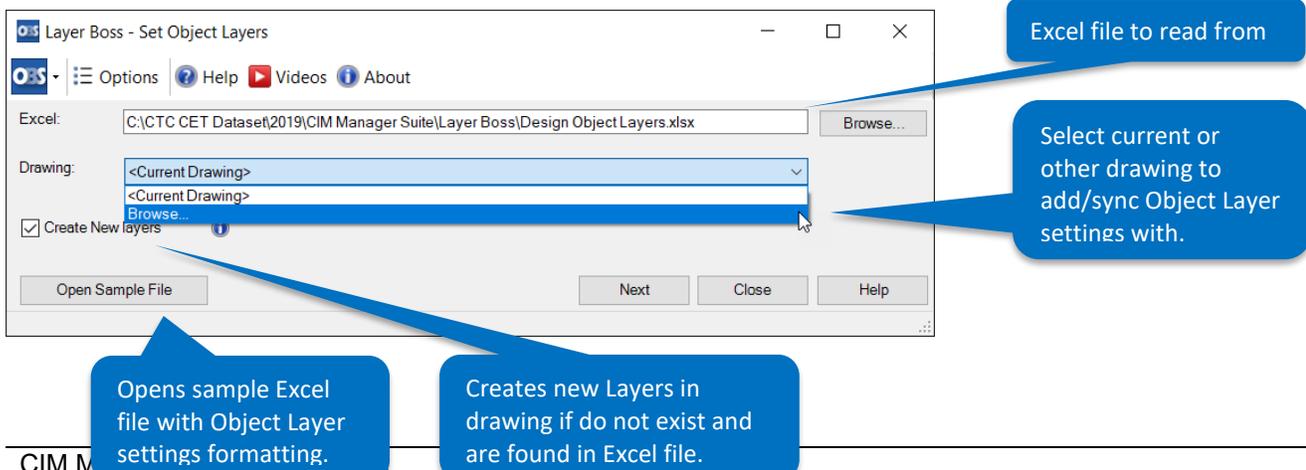
Layer Boss consists of 4 different functions:

1. EXPORT OBJECT LAYERS: Export Civil 3D Object Layer settings to an Excel spreadsheet
2. CREATE/EDIT OBJECT LAYERS: Sync and add Civil 3D Object Layer settings from any Excel spreadsheet
3. EXPORT DWG LAYERS: Export AutoCAD Layer Properties Manager settings to an Excel spreadsheet
4. CREATE/EDIT DWG LAYERS: Sync and add AutoCAD Layer Properties settings from any Excel spreadsheet

Upon initiation of EXPORT OBJECT LAYERS the following dialog will launch. User can select the current drawing or browse to another drawing. The export will provide an Excel file with helpful lists populated for certain columns.



Upon initiation of CREATE/EDIT OBJECT LAYERS the following dialog will launch:



Upon clicking Next, the following report will display. Only after clicking OK here will the changes write to the DWG.

The screenshot shows the 'Layer Boss - Set Object Layers' dialog box. It contains a table with the following data:

Object Type	Layer	Modifier	Value	Locked
Alignments	C-ALIGN	Suffix	-*	No
Alignment Labeling	C-ANNO	None	-*	No
Alignment Table	C-ANNO	None		No
Assembly	C-ANNO	None		No
Corridor	C-ANNO	None	-*	No
Corridor Section	C-ANNO-SECT	None		No
Feature Line	C-TOPO	None		No
General Note Label	C-ANNO	None		No
General Segment Label	C-ANNO	None		No

Callouts explain the report content:

- Red error if invalid entry (does not match Object Layer row).
- Green denotes updated field.
- Blue denotes Layer doesn't exist. If "Create New Layers" in previous window was checked, this Layer will be created.
- Update report after making changes to Excel file and saving.

Upon initiation of EXPORT DWG LAYERS the following dialog will launch:

The screenshot shows the 'Layer Boss - Export Drawing Layers' dialog box. It contains the following options and settings:

- Current Drawing
- External References Current Layer State
- C:\Civil 3D Projects\Alignments and Parcels.dwg
- Include Additional Drawing(s)
- Limit by Layer Filter: <None>
- Limit by Text Filter:
- Include Linetypes from .lin file(s)
- C:\Users\tonyk\appdata\roaming\autodesk\c3d 2024\enu\support\AeccLand.lin
- C:\program files\autodesk\autocad 2024\map\support\dm1000.lin
- C:\program files\autodesk\autocad 2024\map\support\dm2500.lin
- C:\program files\autodesk\autocad 2024\map\support\dm500.lin
- Add Background Color to Color Column
- Include Plot Styles in current STB file
- Layers to Export: 461
- Export to Excel
- Close

Callouts explain the options:

- Include current drawing and External references (includes Current Layer State if desired)
- Include additional drawings.
- Limit Layers exported by current drawing Layer Filters, or manually entered text filter.
- Export linetypes from .lin files found in Options > Support file search path.
- Shade the Excel cell the color of the Layer.
- Export plot styles from the current STB file to excel. Only applies to STB-based DWGs.
- Total Layers to export.

The export will provide an Excel file with helpful lists populated for columns. A tab will be created for each drawing source. If linetypes and plot styles are exported from the .lin and .stb files during the export process they will appear in this list, in addition to those already loaded into the drawings. Selecting current layer state will export external reference layer changes, similar to VISRETAIN.

The export will also include a **New Layer Name** field. Use this to rename layers and to keep their references when the spreadsheet is synced back to Civil 3D. If new layers are to be created simply add those in the **Name** field and specify the appropriate settings.

	New Layer			New VP								
1	Name	Name	On	Freeze	Freeze	Lock	Plot	Color	Linetype	Line Weight	Transparency	Description
2	0		Yes	No	No	No	Yes	white	Continuous	Default	0	
3	A-BLDG		Yes	No	No	No	Yes	white	Continuous	Default	0	
4	A-BLDG-FPRT		Yes	No	No	No	Yes	white	Continuous	Default	0	
5	A-BLDG-SITE		Yes	No	No	No	Yes	white	Continuous	Default	0	
6	A-BLDG-UTIL		Yes	No	No	No	Yes	white	Continuous	Default	0	

Upon initiation of CREATE/EDIT DWG LAYERS the following dialog will launch:

The screenshot shows the 'Layer Boss - Create/Sync Drawing Layers' dialog box. It features several input fields and options:

- Excel:** A text field containing 'C:\Civil 3D Projects\Layers Properties Manager.xlsx' with a 'Browse...' button next to it.
- Excel Tab:** A dropdown menu currently set to 'Current Drawing-1'.
- Drawing:** A dropdown menu currently set to '<Current Drawing>'.
- Xref:** A dropdown menu currently set to 'Alignments and Parcels'.
- Options:** A section with two radio buttons: 'Sync to Drawing Layers' (selected) and 'Add to Drawing Layers'. There is also a 'Case sensitive' checkbox which is unchecked.
- Buttons at the bottom include 'Open Sample File', 'Next', and 'Cancel'.

Callout boxes provide the following explanations:

- 'Option to sync or add layers. With sync, Layers found in the DWG, but not in Excel will be deleted.'
- 'Opens empty Layer list Excel template.'
- 'Excel file to create/sync Layers from.'
- 'Specify Excel tab to sync/create'
- 'Create/sync Layers in current or selected drawing.'
- 'Specify xref to update'

Upon clicking Next, the following report will display. Only after clicking OK here will the changes write to the DWG. If the option to export linetypes from .lin files and plot styles from .stb files was selected during the export process, and one or more of those linetypes or plot styles was selected in Excel, Layer Boss will automatically import those definitions into the drawing upon syncing. Xref drawings can only be done individually and will need to have the matching excel tab selected.

Layer Boss - Create/Sync Drawing Layers

Options Help Videos Support About

New Layers: 2

Name	On	Freeze	New VP Freeze	Lock	Plot	Color	Linetype	Line Weight
A-BLDG	Yes	No	No	No	Yes	7	Continuous	Default
C-ANNO-TBL	Yes	No	No	No	Yes	2	Continuous	Default

Updated Layers: 3

Name	New Layer Name	On	Freeze	New VP Freeze	Lock	Plot	Color	Linetype
building_loc_py	A-BLDG*	Yes	No	No	No	Yes	300	Continuous
C-ROAD		Yes	No	No	No	Yes	200	Continuous

Unchanged Layers: 28

Deleted Layers: 0

Duplicate Layers: 2

Name	New Layer Name	On	Freeze	New VP Freeze	Lock	Plot	Color	Linetype
C-PROP-LINE		Yes	No	No	No	Yes	230	Continuous
C-PROP-LINE		Yes	No	No	No	Yes	230	Continuous

Cannot Delete (References): 6

Ignore	Swap	Name	On	Freeze	New VP Freeze	Lock	Plot	Color
<input checked="" type="checkbox"/>	0	NO PLOT	Yes	No	No	No	No	232
<input checked="" type="checkbox"/>	0	_SETUP ANNO	Yes	No	No	No	Yes	white

Deleted Layers (Referenced in Description Keys): 1

Ignore	Swap	Name	On	Freeze	New VP Freeze	Lock	Plot	Color	Linetype
<input checked="" type="checkbox"/>	0	V-NODE-SSWR	Yes	No	No	No	Yes	white	Continuous

■ Updated
■ Error
■ Layer does not exist; will be created

Errors in the excel sheet indicated by RED in the report. Update and save the excel file. Click the RELOAD button to generate the report again.

Reload Back OK Close

Layer does not exist and will be created

Error if invalid entry or characters. Correct before update can be applied

Denotes updated value.

Deleted Layers if Sync was selected on previous screen.

If duplicate entries in Excel file.

Cannot be deleted because of Style references. Options to Ignore, choose a Layer to swap, or click ellipsis to open Template Tracker. Use Shift/Ctrl selection to edit multiple.

Deleted layers that are used in a Description Key Set.

Update report after making changes to Excel file and saving.

Color reporting for sync/add. Green shows updated codes. Red shows error warning. Blue shows code does not exist and will be created.

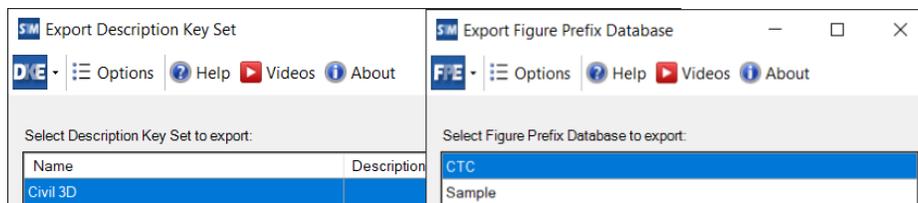
Survey Template Manager

Greatly improve survey template management through automated configuration of Description Key Sets and Figure Prefix Databases. Easily export, import or sync settings from an Excel spreadsheet. Automate Layers and Styles creation and editing.

Survey Template Manager consists of four functions:

1. EXPORT DESCRIPTION KEY SET: Export Description Key Set settings to an Excel spreadsheet
2. CREATE/EDIT DESCRIPTION KEY SET: Create and edit Description Key Sets from an Excel spreadsheet
3. EXPORT FIGURE PREFIX DATABASE: Export Figure Prefix Database settings to an Excel spreadsheet
4. CREATE/EDIT FIGURE PREFIX DATABASE: Create and edit Figure Prefix Database from an Excel spreadsheet

Upon initiation of EXPORT DESCRIPTION KEY SET or EXPORT FIGURE PREFIX DATABASE the following dialogs will launch. User simply selects the desired option and then chooses where to save the Excel file. Note, the options are based on the current drawing for Desc Keys, and the Survey User Settings path for the available Figure Prefix Databases.



Upon initiation of CREATE/EDIT DESCRIPTION KEY SET the following dialog will launch:

Choose Excel file.

Create new or update an existing Key Set.

Sync or add to Key Sets. With sync, rows found in the DWG, but not in Excel will be deleted.

Creates new C3D Styles if not found. Uses the default settings in the DWG. For Point Styles, option to specify a block name in the Excel file.

Opens empty Desc Key Excel template.

Upon clicking Next, the following report will display. Only after clicking OK here will the changes write to the DWG.

New codes that don't exist in DWG.

Edited codes that already exist in the

Unchanged codes from Excel File

Deleted entries if Sync was selected on previous screen.

If duplicate entries in Excel file.

Update report after making changes to Excel file and saving.

* New Codes: 5									
Code	Point Style	Block Name	Point Label Style	Format	Layer	Scale Parameter Always Checked	Fixed Scale Parameter	Checked Yes/N	
TRD*	Tree	Deciduous Tree	Point#-Elevation-Description	\$*	V-NODE-TREE	Parameter1	1	Yes	
HYD*	Hydrant (proposed)	Proposed Hyd	Point#-Elevation-Description	\$*	V-NODE-WATR	Parameter1	1	Yes	
HYDE*	Hydrant (existing)	Existing Hyd	Point#-Elevation-Description	\$*	V-NODE-WATR	Parameter1	1	No	
SGNP*	Sign (single pole)	Single Pole Sign	Point#-Elevation-Description	\$*	V-NODE-SIGN	Parameter1	1	No	
UP*	Utility Pole	Utility Pole	Point#-Elevation-Description	\$*	V-NODE-UPOLE	Parameter1	1	No	

* Changed Codes: 1									
Code	Point Style	Block Name	Point Label Style	Format	Layer	Scale Parameter Always Checked	Fixed Scale Parameter	Checked Yes/N	
SWMH*	Storm Sewer Ma...	CB	Point#-Elevation-...	\$*	V-NODE-STRM	Parameter1	1	No	

* Unchanged Codes: 1									
Code	Point Style	Block Name	Point Label Style	Format	Layer	Scale Parameter Always Checked	Fixed Scale Parameter	Checked Yes/N	
TR*	Tree	Tree 6	Point#-Elevation-...	\$*	V-NODE-TREE	Parameter1	1	Yes	

* Deleted Codes: 1									
Code	Point Style	Block Name	Point Label Style	Format	Layer	Scale Parameter Always Checked	Fixed Scale Parameter	Checked Yes/N	
TR*	Tree	Tree 6	Point#-Elevation-...	\$*	V-NODE-TREE	Parameter1	1	Yes	

* Duplicate Codes: 0									
----------------------	--	--	--	--	--	--	--	--	--

Updated
 Error
 Code does not exist; will be created

OK Cancel Back Reload

Color reporting for sync/add. **Green** shows updated codes. **Red** shows error warning, layer or object does not exist and will be created. **Blue** shows code does not exist and will be created.

Change confirmation window.

Create/Edit Description Key Set Civil 3D

Total New Codes: 5

Total Changed Codes: 1

Total Deleted Codes: 1

Total Unchanged Codes: 1

OK Cancel

Upon initiation of CREATE/EDIT FIGURE PREFIX DATABASE the following dialog will launch:

Choose Excel file.

Create new or update an existing Figure Database.

Sync or add to Figure Database. With sync, rows found in the Database, but not in Excel will be deleted.

Creates new C3D Styles if in the current DWG if not found. Uses the default settings in current DWG.

Opens empty Figure Database Excel template.

Options: Sync Figure Prefix Database (selected), Add to Figure Prefix Database, Create new Survey Figure Line Styles (checked).

Buttons: Open Sample Excel File, Next, Cancel.

Upon clicking Next, the following report will display:

The screenshot shows a software window titled "Create/Edit Figure Prefix Database" with a report divided into several sections. Callouts provide context for each section:

- New Codes: 1**: A table with one row for code "TBC". A callout points to the "Layer" column, which is red and labeled "V-LINE-CURB-TB", stating "Layer does not exist and will be created".
- Changed Codes: 4**: A table with four rows (EOB, BLD, EOC, GUT). A callout points to the "Style" column, which is green, stating "Edited codes that already exist in the Figure Database and will be updated".
- Deleted Codes: 1**: A table with one row for code "BC". A callout points to the "Style" column, which is blue, stating "Deleted codes if Sync was selected on previous screen.".
- Duplicate Codes: 4**: A table with four rows (BIT, BIT, TOE, TOE). A callout points to the "Layer" column, which is blue, stating "If duplicate entries in Excel file.".

At the bottom left, a legend indicates: Green for "Updated", Red for "Error", and Blue for "Code does not exist; will be created". Buttons for "OK", "Cancel", "Back", and "Reload" are at the bottom right. A callout on the right side says "Update report after making changes to Excel file and saving."

Color reporting for sync/add. Green shows updated codes. Red shows error warning, layer or object does not exist and will be created. Blue shows code does not exist and will be created.

Change confirmation window.

The dialog box is titled "Create/Edit Figure Prefix Database CTC" and contains the following summary:

- Total New Codes: 1
- Total Changed Codes: 4
- Total Deleted Codes: 1
- Total Unchanged Codes: 15

Buttons for "OK" and "Cancel" are at the bottom right.

Getting Help

The **User Guide** can be accessed by clicking on the “Help” button in any dialog box.

Technical Support can be reached by contacting your CTC Express Tools Reseller, or by submitting through the link in the ribbon:

