

VICO OFFICE

R6.6 RELEASE NOTES

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Vico Office R6.6 Release Notes

Welcome to Vico Office! These notes include detailed insight for users upgrading to Vico Office. You will find details about new functions, fixed functions, known issues and best practices for using the program. This document should be read and understood by all users of Vico Office.

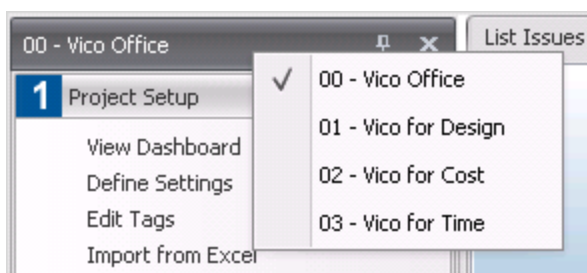
What's New

Vico Office has undergone a significant change to enhance your workflow experience. The focus has been on simplifying the Design, Cost, and Time workflows. For a detailed list of these changes, see below:

Vico Office Modules

The Workflow Panel has been reorganized into the following modules:

- **Vico Office:** Previously labeled as 'Master Workflow', use this workflow to perform all actions from setting up the project to schedule planning and reporting.
- **Vico for Design:** Review documents and 3D models, perform visualization and analysis of takeoff items and takeoff quantities, and define locations and location systems.
- **Vico for Cost:** Manage quantity takeoff, cost exploring, and cost calculation. Create work packages and manage the related bids from the subcontractor.
- **Vico for Time:** Create and manage tasks and plan the project schedule.



Clash Detection Changes

The Clash Detection feature, which was accessible from the Constructability Manager ribbon, has been removed from Vico Office. Detected clashes will no longer be displayed. If you wish to continue to use the Clash Detection feature, do NOT update Vico Office to the this release.

Layout Manager

The Layout Manager, which was accessible from the Manage Layouts ribbon, has been removed from Vico Office.

Model Register

The Model Register, which was accessible from the Model Management workflow group, has been removed from Vico Office. You can manage your models in the Document Controller, where the Model Register ribbon is still available.

View Cost Plan

The View Cost Plan view has been removed from Vico Office.

CAD-Duct Importer

The CAD-Duct - via XML importer has been removed from the Model Register ribbon. You can import CAD-Duct models as IFC files.

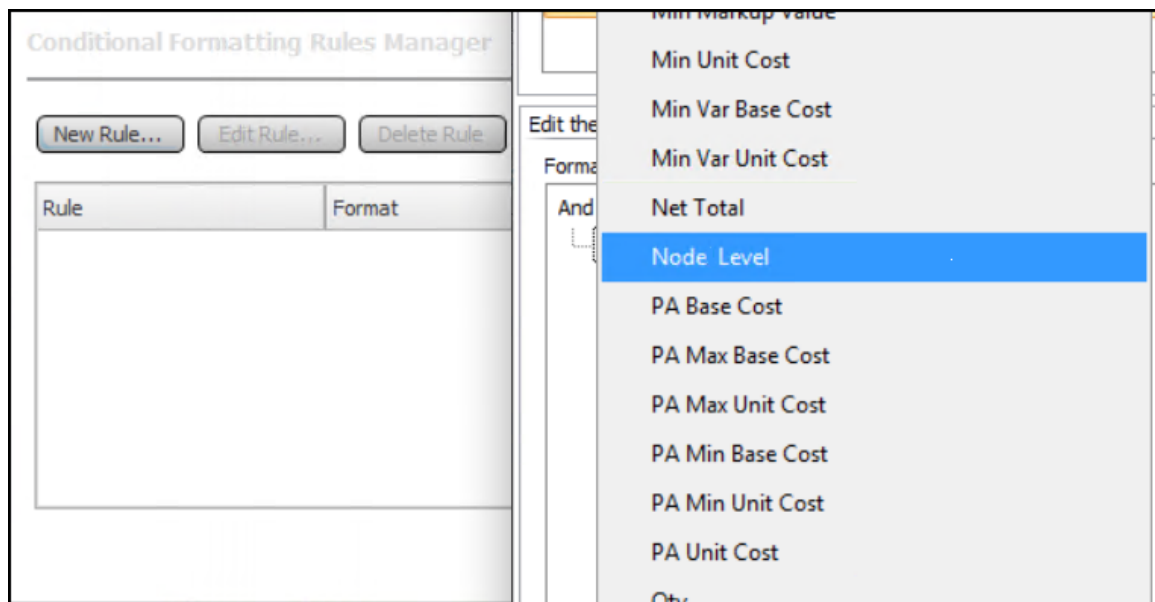
Target Cost Editor

The Target Cost Editor has undergone a 'polish' to improve its appearance and behavior to make it consistent with the other grids.

Additional Enhancements

Conditional Formatting

- A 'Node Level' has been added to the Formula Rule editor of the Conditional Formatting. This will enable you to apply specific formatting rules to certain nodes.



Takeoff Manager

- A new 'Present' function has been added to the Takeoff Manager ribbon. This function will hide the warning icons in the Info column until you close your current session. Use this function to present your content in a more streamlined fashion so that viewers can focus on the estimate / schedule data.



Publishers

- The full CAD parameter name 'True' and 'False' are used instead of 'T.' or 'F.' as valid boolean IFC parameters. (CN# 01506820)

- A new document on how Vico Office elements are mapped to Revit categories is now available. For more information, see "Supported Parameters and CAD Quantities - Revit" in the online help or [Vico SupportLink](#).

Schedule Planner

- The Dutch and New Zealand calendars have been added to the Schedule Planner calendar list. (CN# 01497645 / CN# 01499204)

Supported Publishers and Importers

The following publishers are supported in this release. New versions added in this release are **bolded**.

- Autodesk Revit 2018 and **2019** (Architecture, MEP and Structure)
- Tekla Structures* 2017, **2017i**, and **2018**
- ArchiCAD 20 and 21
- Bentley is not supported in Vico R6.1 and later. (To continue to use this publisher, you must use Vico R6 or earlier)

The following importers are supported in this release:

- CAD-Duct – via XML
- IFC – Versions IFC2x3 and IFC4
- SketchUp: Versions 8, 2013, 2014 and 2015, 2016, 2017
- Trimble Connect

Defect Resolutions

The following issues have been resolved:

Cost Planner

- The Formula Editor was performing addition when using the subtraction operator (-). (CN# 01506540 / TFS# 100931)

Document Controller

- Fixed the 'Element does not have this property' error that appeared when activating a version of a model. (CN# 01496961)

Localization

- On the Takeoff Manager view, the following areas were not localized properly:
 - The 'Create Quick Task' menu item available when you right-click on a row. (CN# 01492348)
 - The 'Cost Mapped \ Task Mapped' column header. (CN# 01497354)

Report Editor

- Vico Office hangs when using Report Designer to edit a report's Label properties. (CN# 01522956)
- Vico Office hangs when using Report Designer to set a report's Data Member. (CN# 01523005)

Schedule Planner

- Resolved a performance issue when performing specific tasks in Schedule Planner. (CN# 01544525)

Takeoff Manager

- Certain CAD quantities could not be used in the Formula Editor if the name of the localized quantity was different from the English name. (CN# 01498044)
- The 'Select Location' should not allow parent nodes with child nodes to be selected. (CN# 01532397)

Publishers

- Tekla Assembly elements were not published to Vico from IFC. (CN# 01504879)
- The 'Stair' element was not published correctly from ArchiCAD. (CN# 01510755)
- Revit crashes when publishing to Vico Office if there are multiple instances of the same linked model in the Revit file. (CN# 01536185)

Known Issues

Cost Explorer

- When using a constant in a formula with a TOQ that is equal to zero, the constant will be ignored and result in an incorrect answer.

Example:

When ManualTOI.Length = 0:

`ManualTOI.Length + 2 = 0 (incorrect answer)`

- When using a constant in a compound formula where one of the TOQs is zero, it may result in an incorrect answer depending on where you place the constant. Note in the example below that when the constant is NOT placed next to the TOQ with a zero value, the formula will result in an correct answer.

Example:

When ManualTOI.Length = 0 and ManualTOI.Net Surface Area = 5

`ManualTOI.Length + 2 + ManualTOI.Net Surface Area = 5 (incorrect answer)`

`ManualTOI.Length + ManualTOI.Net Surface Area + 2 = 7 (correct answer)`

Document Controller

- Deleting a model version that has a linked issue may cause Vico Office to crash. (T-67459)
- Some PDF font types may appear incorrectly (e.g., incorrect character spacing, missing characters, or replaced characters) when imported into Document Controller. We have tested most common font types; however, some outliers may still exist. Please contact Technical Support team if you encounter such occurrences so that we can add support for your font type.

Language Support

- Vico Office is available in multiple languages. However, cross-language support is not supported. Using Vico Office across multiple installed languages may result in visual inaccuracies and defects. (T-80855)

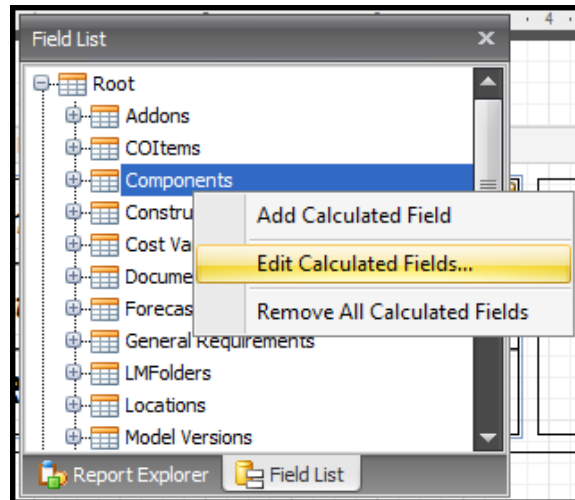
Report Designer

- Calculated fields that have custom tag values may not appear in a report when Print previewed.

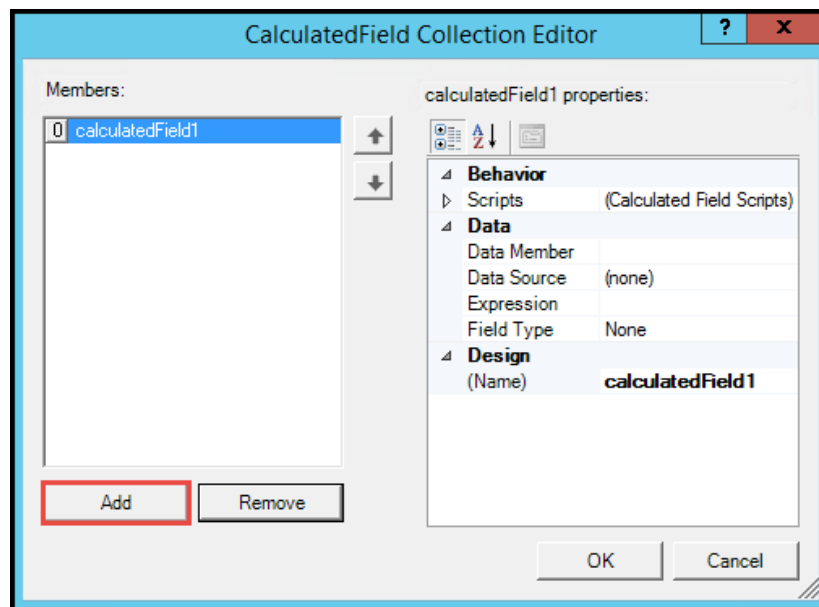
There are two ways to ensure that they appear in your reports: *(D-13464)*

- Change the Data Source for your calculated field to "none".
- Add calculated fields using the CalculateField Collection Editor.

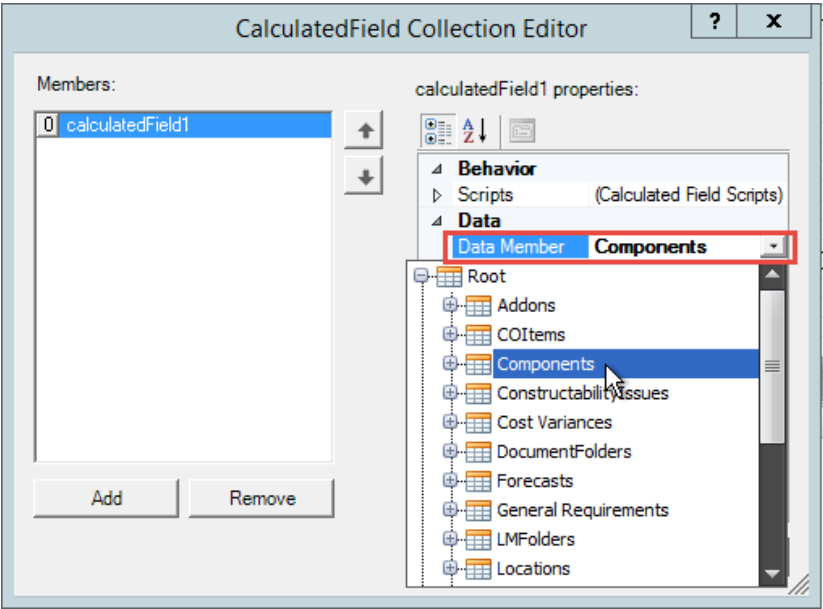
1. Create a Tag (in this example, name it "Subcontractor") and assign it Values.
2. Edit the report template. The Report Designer is displayed.
3. On the **Field List** tab, right-click on **Components** > **Edit Calculated Fields**.



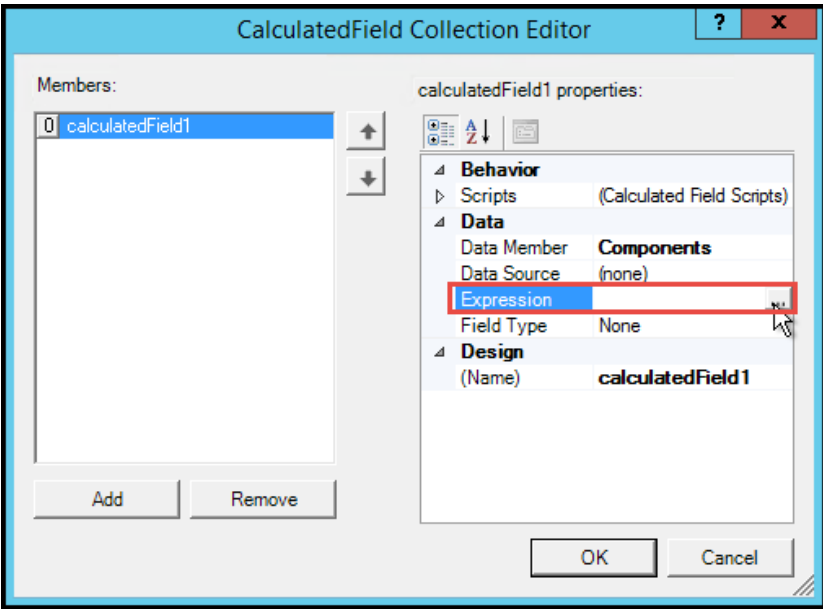
4. On the CalculatedField Collection Editor dialog box, click **Add**.



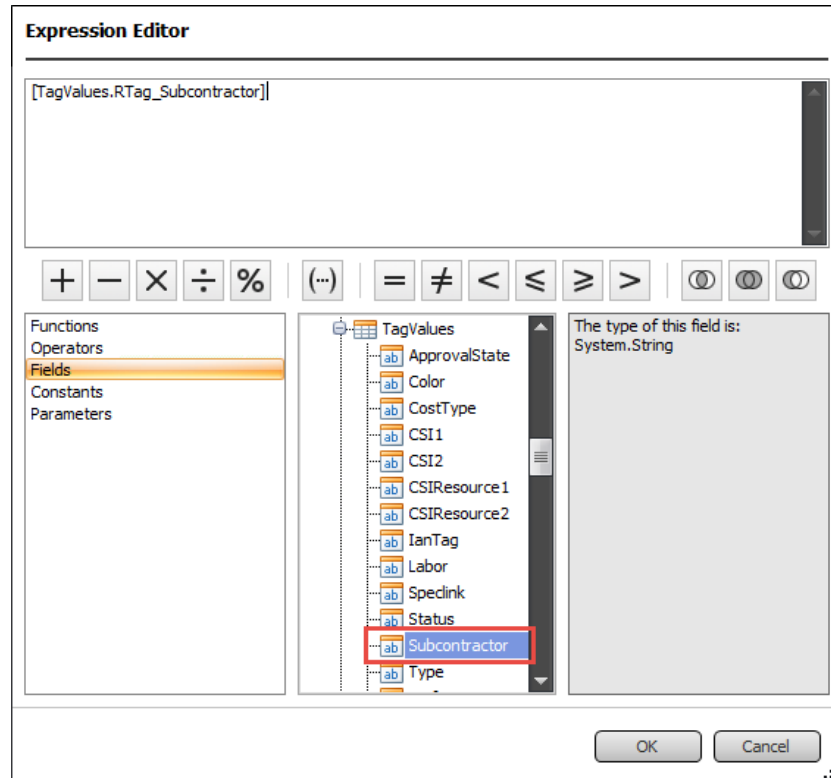
5. Select the **Data Member**.



6. Select the expression for this calculated field.



7. Choose the created tag value and click OK.



8. Bind this calculated field to a report and preview it.

- Changing the 'Tag' property of the Report object may cause Vico Office to crash when saving the template. This is because it will change the edited report's name (Report.Tag), which is linked to the template. Therefore, it is not recommended to change the Tag property.

Publishers

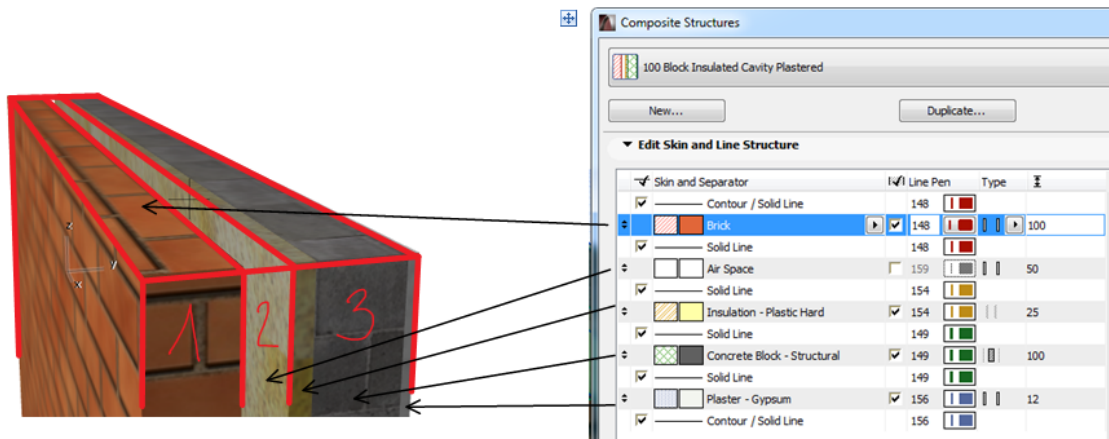
ArchiCAD

- Composite ArchiCAD wall elements may show a different area selection to what might be automatically expected at the corner of walls. This is due to a change in how ArchiCAD now classifies ends and sides of walls. Quantities should be reviewed and the painting tool should be used if deemed necessary by the user to facilitate required quantities.

ArchiCAD and Revit

- Composite element wall or slab layers cannot currently be quantified from Revit or ArchiCAD. Provisions have been made to deploy the best possible results via the current API availability. If quantities and/or TOI composition are not desirable when coming in from these systems, users

are advised to work out custom formulas (via TOM/TOP/CP) to come up with their own calculations that reflect their preferred takeoff of such composite elements.



Revit

- Modifying Sub Elements of Revit slabs to create sloping areas where the slab has inconsistent thicknesses (e.g., top surface modified with slopes and the bottom left flat) can occasionally cause incorrect volume calculations.
- Revit models that are linked together and published into Vico Office do not always behave predictably. In some cases, linked models do not respect the filtering constraints that were put on the publishing view and can result in undesired outputs and/or duplicate quantities. Users are advised to remove the link between files and publish them separately.

SketchUp

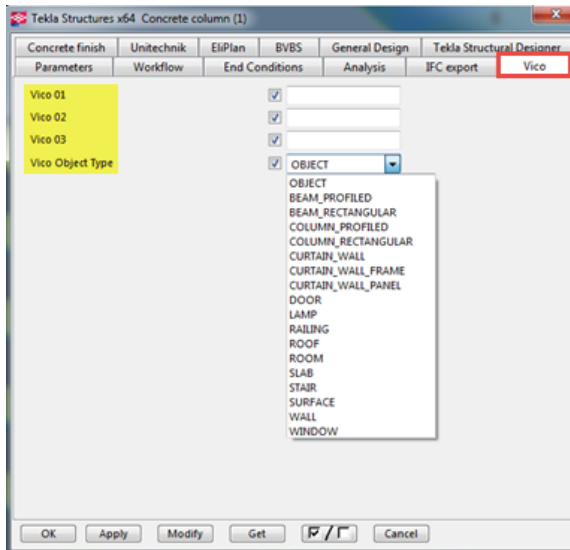
- SketchUp does not store reference information in the same way as some other BIM authoring applications, thus making it harder for Vico Office to provide some quantity types coming from SketchUp. Also, some element type classification are not currently being read well. The new Onscreen Takeoff tools should help to supplement any occurrences of missing quantities, and element types can be manually reassigned in TOM to address this. We are working with the SketchUp team on a regular basis to resolve this.

Tekla

- Tekla content created and managed in the latest release using the 'organizer' tool may not be read correctly by Vico Office. When this happens, users may find that the element type recognition in TOM does not behave as expected. To resolve this, users can go into TOM and change the elements to the desired type inside of Vico Office, or they can manage the classifications

manually in Tekla.

Please contact our technical support team if you wish to classify the elements manually inside of Tekla. When doing so, they will provide you with the 'object.inp' file that it can be dropped into your Tekla dataset. Doing so will automate the creation of 'Vico 01, 02, 03 and Vico object type' inside of the Tekla classification tool. For more information, see our Knowledge Base articles available on Vico Office SupportLink.



Takeoff manager

- Each release of Vico Office brings with it improved quantity calculations, as well as support for new CAD applications. As such, the calculated values for takeoff quantities (TOQs) can change from release to release. The changes can be a result of how elements are quantified by Vico, how locations are derived by Vico, or how bodies are generated by the authoring application. Vico Office does not force the reactivation of models with each new release, however it is strongly advised the users reactivate in each new release to take full advantage of the latest and greatest calculation methods.

Vico Project Server (VPS)

- The following error may appear when starting Vico Office (with Vico Project Server installed):
E7031 : UT_ER_DBID_NOACCESS

This error is due to the '**osc-dbid**' file missing from the Versant database folder.

c:\versant\db

To manually create this file:

1. Ensure that Vico Office is closed.
2. Open a command window with Administrator rights.
3. Type "dbid -N" and then press Enter

The file is created. Now you can start Vico Office properly.

- Projects that are restored using only the VPSA backup command, rather than the packing functionality, cannot be properly updated into newer (R5.0) versions of Vico Office. To avoid this problem, users should rely on the packing functionality to preserve their historical projects, rather than simply relying on the VPSA backups.

Winest integration

- The WinEst Integration utility must be reinstalled after Vico Office. This is because VO may overwrite the default layout.xml information and the integration becomes unusable. A simple reinstallation of the connector will rectify the problem.

Installation

Networking

Important: When you use Vico Office in a configuration with separate server and client, make sure that both server and client(s) systems are updated to the latest version of Vico Office.

Administrative rights

Installation of Vico Office requires administrator rights and elevated access rights in cases where User Account Controls (UAC) are enabled; UACs may need to be modified, or turned off, via the Control Panel.

When installing Vico Office while connected to a network domain, the UAC settings may be different from an offline profile, which can result in changed hardware identification characteristics. The changed hardware characteristics may result in a "no valid license found" message. Reinstalling your license will solve this issue.

The versant database

Versant is the backend database used to store and interact with information inside of the Vico Project Server (VPS). Most local installations of Vico Office will see a folder for the c:\Versant directory

stored onto their machine for project storage. The project server can also be installed across a LAN for communal project access. See the installation guide for more details.

In this release, Vico Office has updated its core database to Versant version 9.0

BIM connections

In some cases, the installer is unable to detect the folder in which ArchiCad, AutoCAD, Revit and Tekla was installed on your computer. If this happens, the Vico installer allows for selecting the folder manually. All required files will be copied to the specified folder.

Trimble Solution Improvement

When running the Vico installer, you are encouraged to participate in the 'Trimble Solution Improvement' program. When you select 'Yes', a crash report is automatically sent to Trimble. Only necessary information required by developers to help them understand why a crash occurred is included in the report. When you select 'No', a crash report is NOT automatically sent to Trimble. However, you can send this report manually. A prompt will be available on the UI after the crash has occurred.

Reverting to Earlier Versions of Vico Office

If there is a need to revert back to a previous Vico Office release on your machine, some files have to be removed manually, as the Vico Office database files are not backward compatible. Please check the Vico Office Installation guide available on [SupportLink](#) and follow the steps on how to 'Revert back to a Previous Vico Office' version.

Upgrading

The Golden Rule of Upgrades - Back up all existing projects

It is fundamentally important that all existing projects get backed up before upgrading to a new installation of Vico Office. Deployment environments can vary greatly and the safest way to mitigate any data loss occurring during an upgrade is to back up all of your projects before any new installation of Vico Office.

Previous version files

Vico Office will not unpack project (.vico) pack files that were created before R5.0. If you have a project .vico file that was created before R5.0, first unpack it in R5.x. Then, pack it in R5.x (compatible pack) before unpacking it with the current version of Vico Office.

Disk cleanup precautions

When running standard Windows Disk Cleanup, or other similar applications to free up disk space, it is almost certain that all .log files will be deleted from your system. While most Windows .log files are expendable, the Versant database logs are not. Permanently deleting them from your system will destroy your Vico Office projects. Please ensure that Versant .log files are excluded from the Disk Cleanup.

Anti-virus software

Some Anti-Virus software blocks or slows down the communication between Vico Office and the Vico Project Server. Exceptions should be added to the Anti-Virus software settings to prevent this – see the Vico Office Installation Guide for these settings.

Trimble Connect

[Trimble Connect](#), a cloud-based collaboration application, enables you to share files with other supported applications and your team members. To access your Trimble Connect account from Vico Office, use the following Server URL:

- app.connect.trimble.com

You can then choose from a drop-down list the Trimble Connect region to which you wish your projects connected.

Vico WinEst Integration

If you are using GC Estimator (Vico and WinEst), you will need to download the latest plugin from [Vico SupportLink](#). Select the Vico WinEst plugin for your version of Vico Office and WinEst.

Trimble GC-CEC Division, Support Services

Trimble GC-CEC Division Support Services is committed to offering timely, thorough, and efficient resolutions to your installation and operation issues in accordance with your Trimble Support Contract.

To receive the best support possible, be sure to review the [Trimble Support Services Handbook](#).

You can contact Trimble GC-CEC Division, Support Services by:

- Email: VicoSupport@Trimble.com
- Internet: <http://support.vicosoftware.com>

The Trimble SupportLink includes a technical knowledge base, answers to frequently asked questions, technical documentation, and a form to submit specific support requests 24 hours a day, 365 days a year.