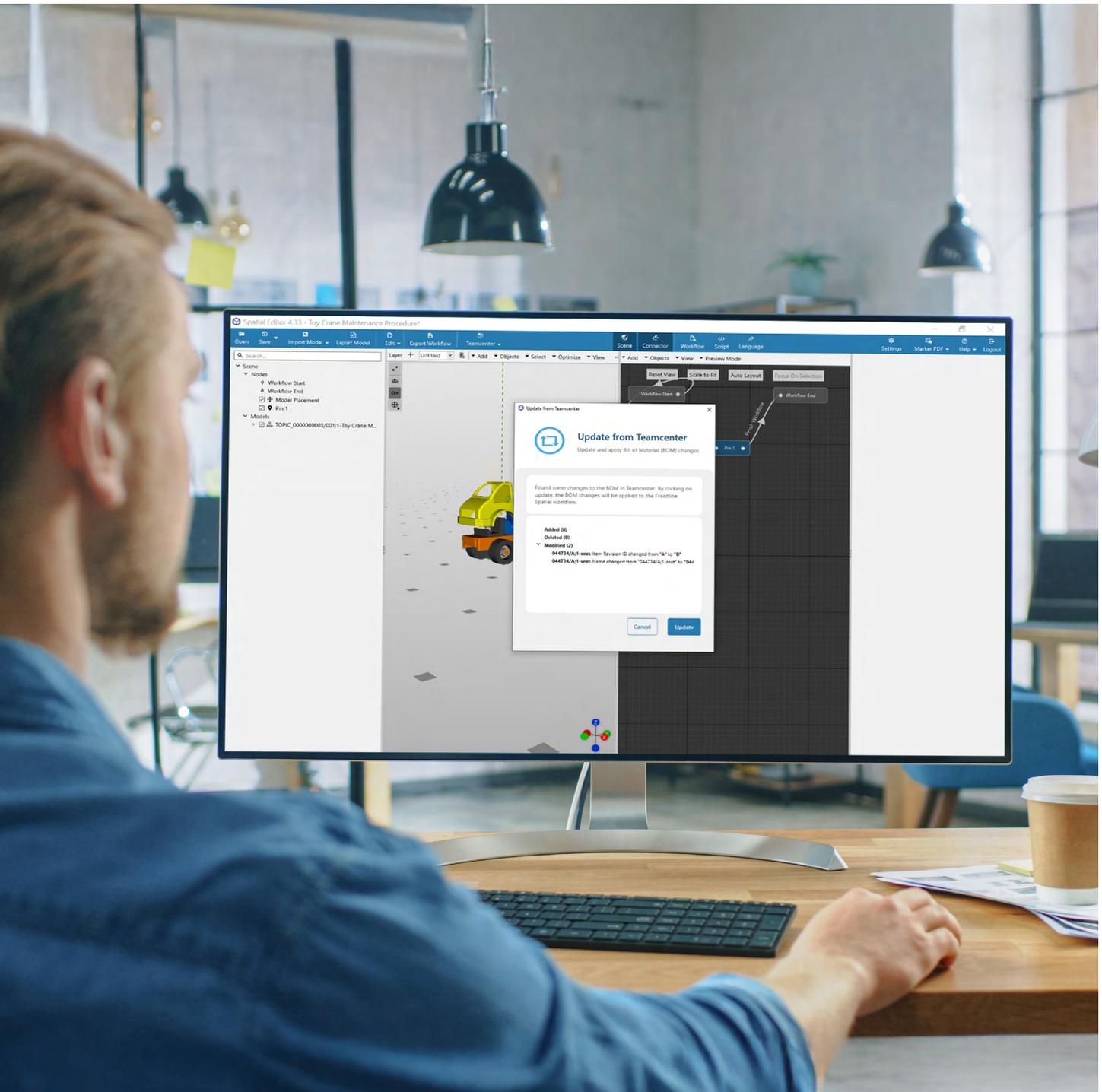


User manual Frontline Spatial | Teamcenter

TeamViewer Frontline Spatial BOM integration





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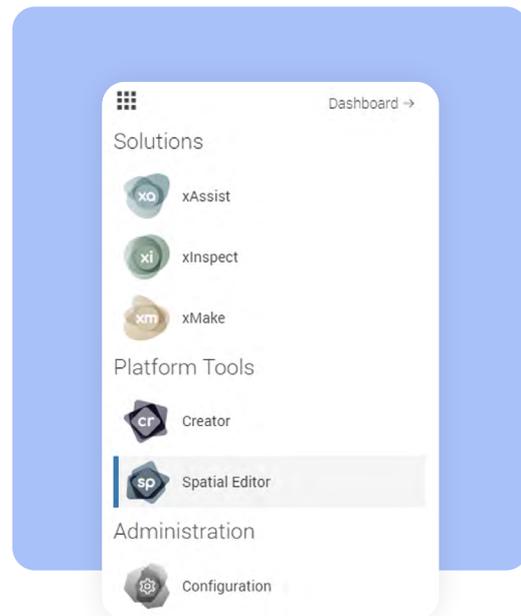
01 Installation

To leverage the BOM integration into TeamViewer Frontline Spatial Editor, you must download and install the “Spatial Editor Teamcenter for Windows” on your computer. It is available either via Siemens Support Center (<https://support.sw.siemens.com/en-US/>) or by accessing your Frontline Command Center.

Steps to download from your Frontline Command Center:

1 Log in to your Frontline Command Center (FCC) instance.

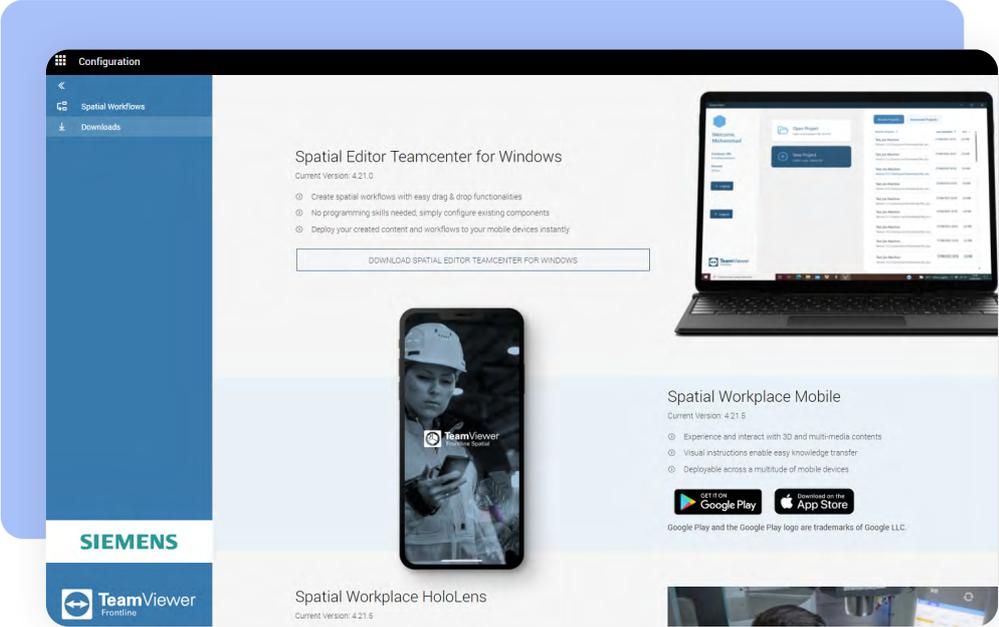
2 Navigate to the “Spatial Editor” platform tool.



3 Ensure you have been assigned the “Spatial Teamcenter Add-on” license and the “Spatial Teamcenter” role to download the Teamcenter version of Spatial Editor.

4

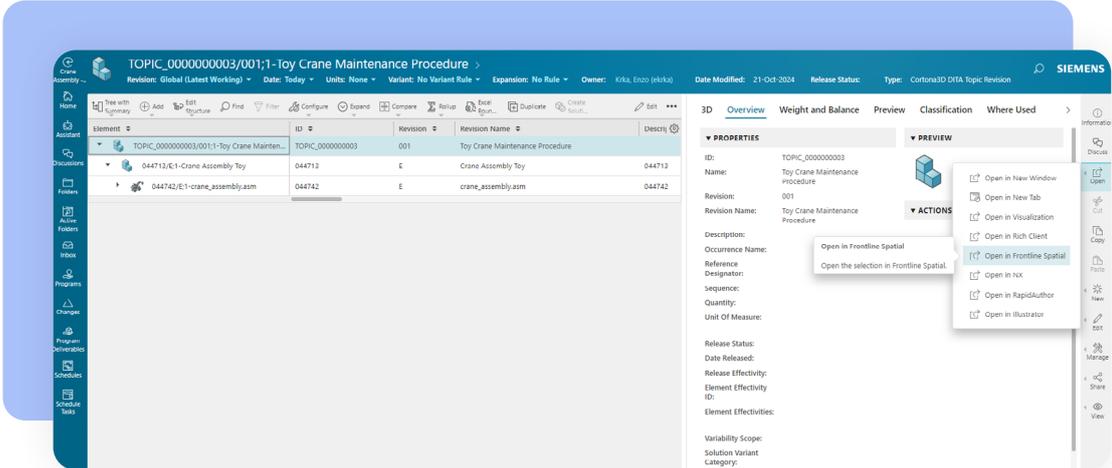
Download and install the latest Spatial Editor Teamcenter version.



02 Getting started

To open a BOM in Frontline Spatial Editor, follow these steps:

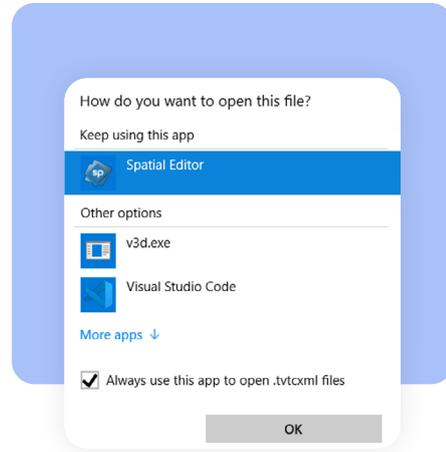
1. In Teamcenter, open a BOM view (Item Revision).
2. Select “Open” → “Open in Frontline Spatial”.
3. This launches Spatial Editor, which fetches and loads BOM data.



When clicking on “Open in Frontline Spatial” a file with “.tvtxml” extension will be downloaded. To facilitate their future workflow, users should perform two additional steps:

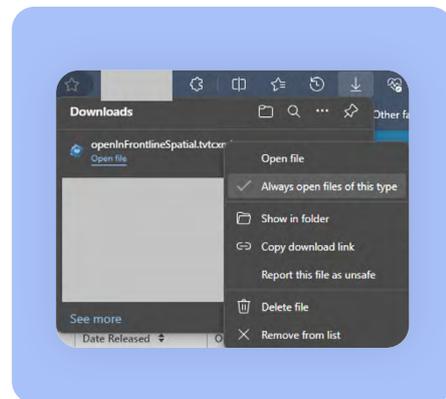
1

Associate the “.tvtxml” file type with the “Spatial Editor” application (by selecting the “Open with” dialog of the Windows Explorer).



2

Configure the web browser to open files of this type directly. For example, in Edge, users will need to open the Downloads menu, right-click on the downloaded file, and select “Always open files of this type”.



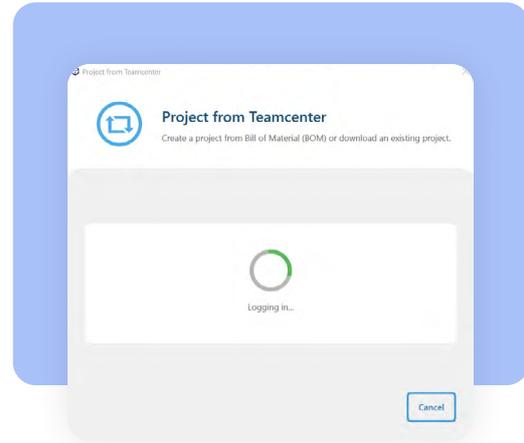
Once this is set up, using the “Open in Spatial Editor” option in Teamcenter will open the Spatial Editor directly.

To find a user manual for the Frontline Spatial Editor, please reference the Frontline Spatial documentation at [Starting with Frontline Spatial](#).

03 Working with projects

3.1 Opening projects

A Teamcenter project can only be opened from Teamcenter as described above. Upon opening, spatial fetches the project from Teamcenter.



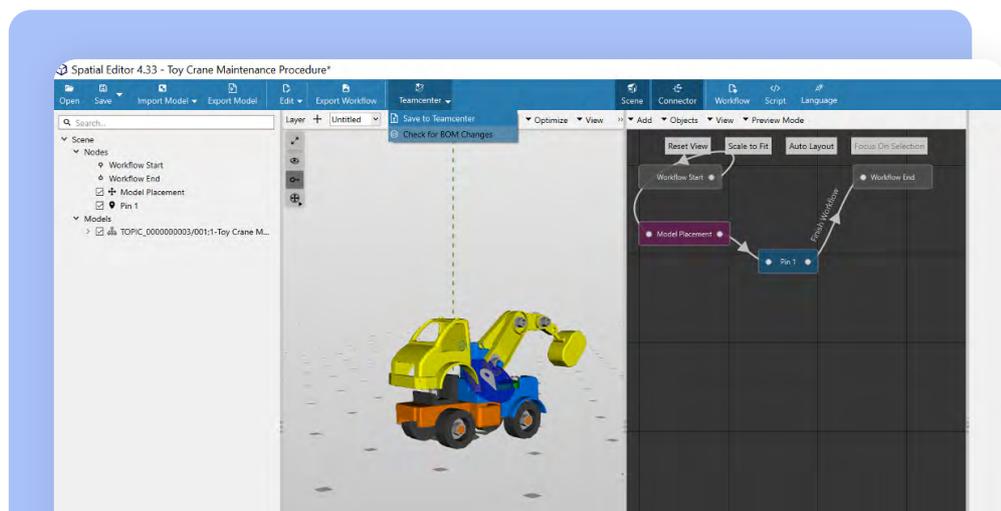
The Spatial Editor will always open the latest revision of a Spatial Workflow when opening from Teamcenter. You can create revisions as usual to manage versioning. If necessary, you can also download the dataset of old revisions and manually open them in Spatial Editor (these will then be detached from Teamcenter, however).

Note: The “New project” or “Open project” options in the Spatial Editor allow the creation and editing of projects, but these are always disconnected from Teamcenter.

3.2 Updating BOM changes

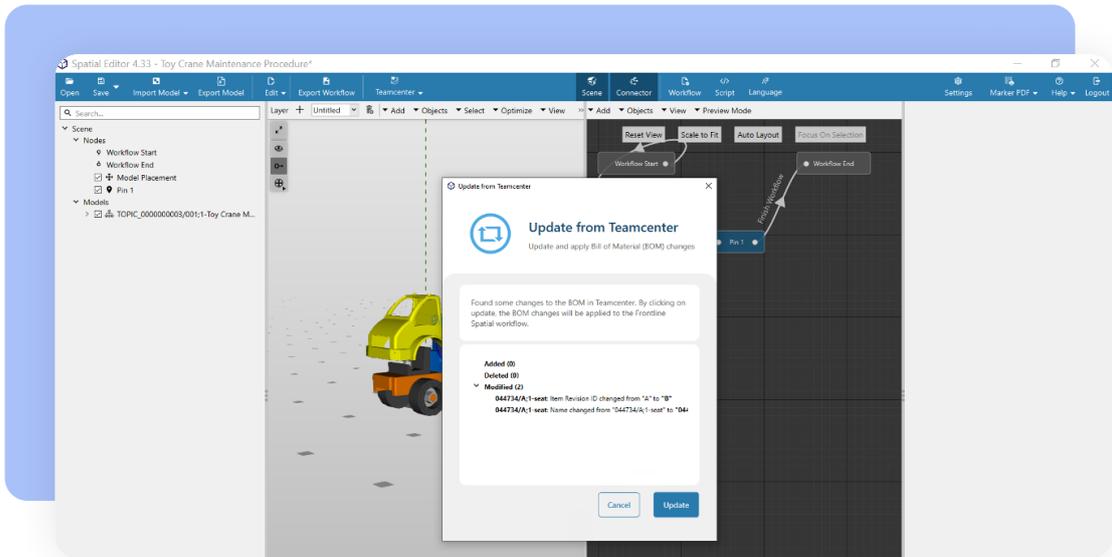
If a BOM update occurs after a project has been opened in Spatial Editor, users can:

- 1 Click “Check for BOM changes”.



2

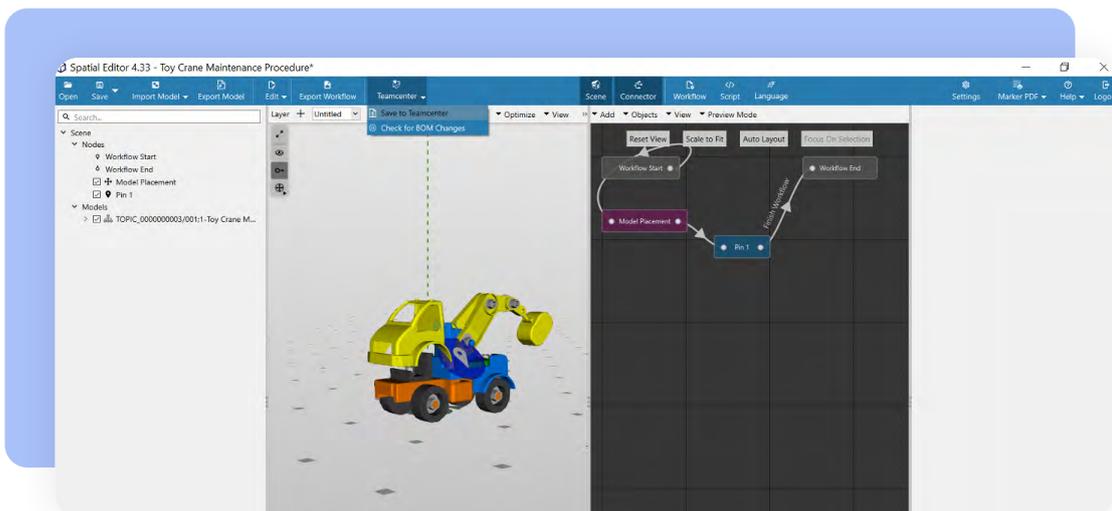
Review and accept changes as needed.



04 Saving projects

4.1 Saving to Teamcenter

1. Select “Save to Teamcenter” under the Teamcenter menu.
2. Follow the “Save to Teamcenter” prompts to complete the process.

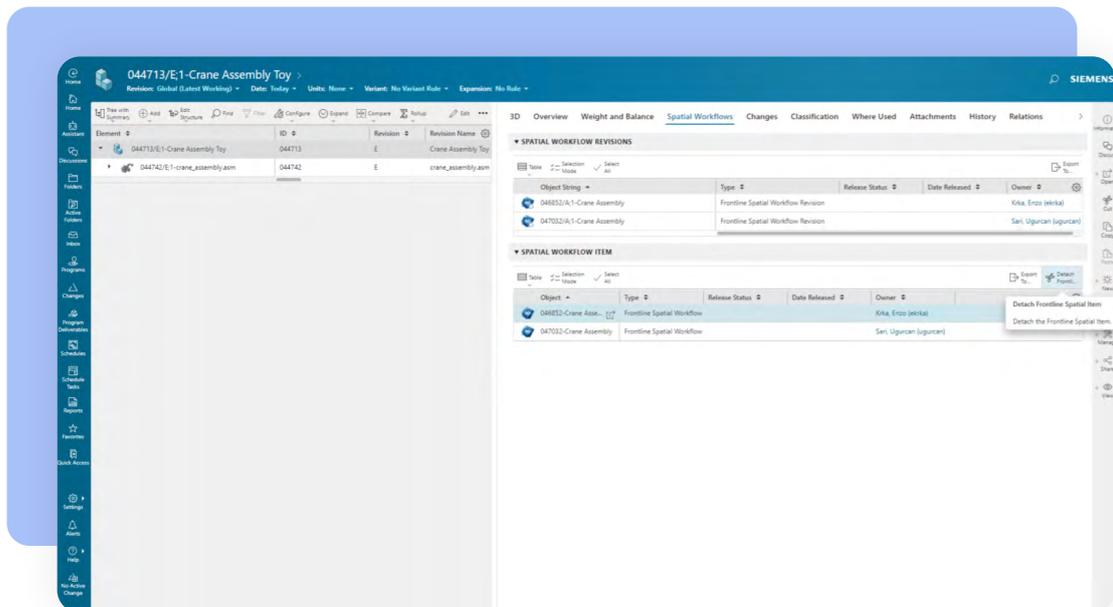


4.2 Saving to Locally

Using the “Save” / “Save As” option to store the project disconnected from Teamcenter locally on your device is possible. When working with Teamcenter, however we recommend always using the “Save to Teamcenter” option instead.

05 Detaching a Spatial Workflow project

The Detach button, located in the top-right corner of the Spatial Workflow Item table in Teamcenter, allows users to remove a selected version of a Spatial Workflow Project from the associated item completely.



Once detached, the project is no longer linked to the Teamcenter BOM, and this action affects only the selected revision of the workflow.

Note: If a project was open in Spatial Editor before being detached, saving it back to Teamcenter updates the project to Teamcenter, but the project will not be visible on the BOM since it was detached (the relation was deleted).

06 Troubleshooting

Problem

The option “Open in Frontline Spatial” is missing.

Solution

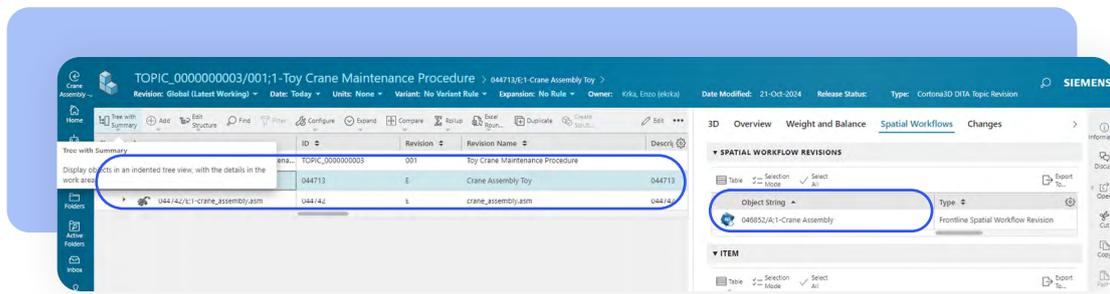
Make sure you have an Item Revision opened. Try clearing your browser cache. If this does not help, inform your TC administrator.

Problem

I select a Spatial Item and try to “Open in Frontline Spatial” but it does not work.

Solution

“Open in Frontline Spatial” only works on **BOM Items** (highlighted in green in the image below). Objects with type **Spatial Workflow revision** (highlighted in red in the image below) should not be selected when using the open in Spatial Editor button (they will automatically be opened when selecting the BOM node).

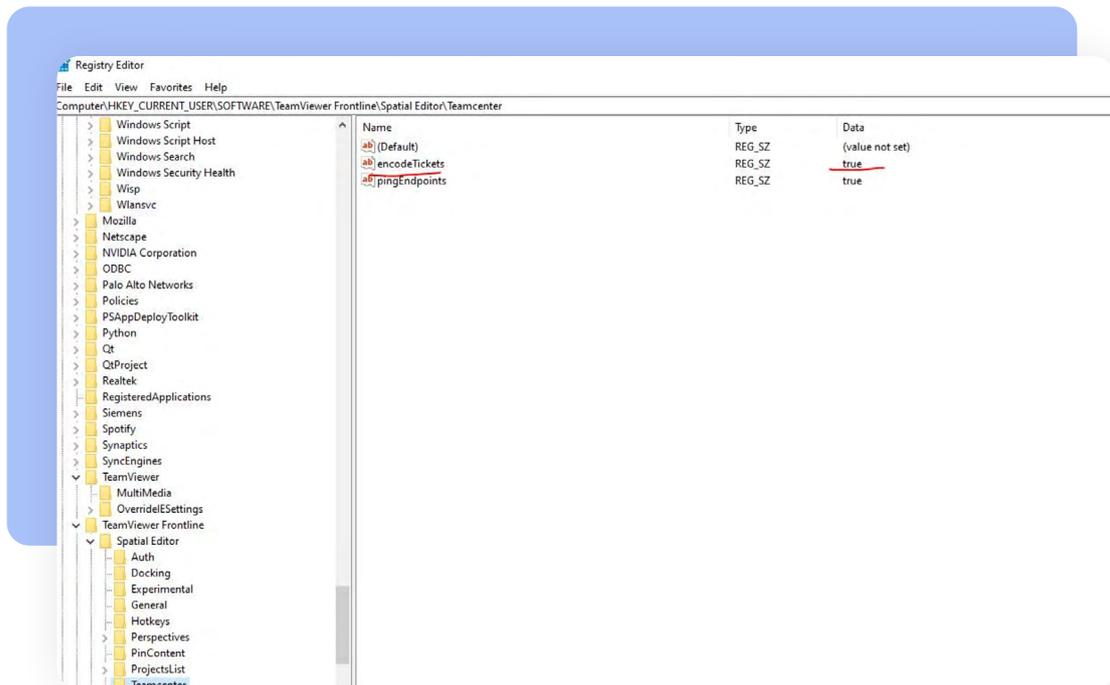


Problem

The Spatial Editor shows errors while trying to download the models (JT files) from Teamcenter.

Solution

Until Teamcenter 2312, it was necessary to encode tickets. Starting from the 2406 release of Teamcenter, this has changed. If you are working with release 2406 or later, turn the encoding on (true); otherwise, turn it off (false). You can edit the registry key “encodeTickets” at “HKEY_CURRENT_USER\SOFTWARE\TeamViewer Frontline\Spatial Editor\Teamcenter”.





About TeamViewer

TeamViewer provides a Digital Workplace platform that connects people with technology – enabling, improving and automating digital processes to make work work better. In 2005, TeamViewer started with software to connect to computers from anywhere to eliminate travel and enhance productivity. It rapidly became the de facto standard for remote access and support and the preferred solution for hundreds of millions of users across the world to help others with IT issues. Today, more than 640,000 customers across industries rely on TeamViewer to optimize their digital workplaces - from small to medium sized businesses to the world's largest enterprises - empowering both desk-based employees and frontline workers. Organizations use TeamViewer's solutions to prevent and resolve disruptions with digital endpoints of any kind, securely manage complex IT and industrial device landscapes, and enhance processes with augmented reality powered workflows and assistance - leveraging AI and integrating seamlessly with leading tech partners. Against the backdrop of global digital transformation and challenges like shortage of skilled labor, hybrid working, accelerated data analysis and the rise of new technologies, TeamViewer's solutions offer a clear value add by increasing productivity, reducing machine downtime, speeding up talent onboarding, and improving customer and employee satisfaction. The company is headquartered in Göppingen, Germany, and employs more than 1,800 people globally. In 2024, TeamViewer achieved a revenue of around EUR 671 million. TeamViewer SE (TMV) is listed at Frankfurt Stock Exchange and belongs to the MDAX. Further information can be found at www.teamviewer.com.

www.teamviewer.com/support

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