


Positions are modifiable in a project. You can delete, rename, and create new positions, and switch between positions.

Seeing and Creating Named Positions

- 1 Click Manage tab ► Project Location panel ►  (Location).
- 2 In the Location Weather and Site dialog, click the Site tab.
The Location Weather and Site dialog lists the current named positions in the project. By default, each project has a named position called Internal.
- 3 To create a new named position, click Duplicate.
- 4 Enter a name for the position, and click OK.
- 5 To rename an existing position, click Rename.
- 6 To delete an existing position, click Delete.

NOTE You cannot delete the last position.

- 7 To change the active position of the project, select it and click Make Current.
- 8 Click OK.

Repositioning Named Positions


After you have set up a shared coordinate system between the host model and the linked files, the placement of a linked file is determined by its corresponding position in the host model. You can drag the linked file to another placement inside the host model. When you do this, you are actually changing the corresponding position in the linked file.

When you reposition the linked file to a new position, you can save that change. There are several ways to do this.

Warning Dialog

After you move the linked file, a warning indicates that the linked file will change. This occurred because you have defined a new placement for the named position in the linked file. In the warning dialog, you can choose to save the linked file or save the new position later by clicking Save Positions in the Manage Links dialog. If you click Save Now, Revit Architecture saves the new position to the host model.

Recording a New Location with Manage Links

- 1 Click Manage tab ► Manage Project panel ►  (Manage Links).
- 2 Click the tab for the model file type that you have linked. For example, if you have linked a Revit model, click the Revit tab.
- 3 Click the linked file name to select it.
- 4 Click Save Positions.
- 5 The Location Position Changed dialog displays the following options:
 - Save. Saves the new position of the host model back to the linked file.
 - Do not save. Changes to positions are discarded, and the linked file returns to its previously saved position when it is reloaded or reopened.

- Disable shared positioning. The linked model keeps its current position. The shared coordinates between the linked file and the host model are disabled. The Shared Position parameter is set to <Not Shared> in the linked file.

6 Click OK to close the Manage Links dialog.

If you save or close the host model, you are prompted to save the linked models. The Save Modified Linked Model dialog displays.

If you unload a linked file, the Save Modified Linked Model dialog displays. Again, you are prompted to save changes to the linked model.

Modifying Linked Model Position Through Instance Properties

1 Select a linked instance in the host model.

2 Click Modify | RVT Links tab ► Properties panel ►  (Properties), and click the button that appears next to the Shared Position parameter.

The Choose Position dialog displays the current position of the linked instance.

NOTE If the Share Coordinates dialog displays, select an option to reconcile the coordinates, click Reconcile, and then the Choose Position dialog will display. For more information, see [Acquiring or Publishing Through Linked Instance Properties](#) on page 1286.

3 Specify how to set the position of the linked instance:

- Select Move Instance To and choose a position name. The listed position names are from the linked model file. When you click OK, the linked instance moves to the recorded placement for that named position.
- Select Record Current Position As to record the current position of the linked model instance back to its file. If you want to create a new position name for the instance, click Change to add a new position name that is also saved back to the linked model file.
- Select Do Not Share Position of Selected Instance to place the instance in the desired position and break the share between the linked and model files. If you select this option, you can move the linked instance in the host model without changing the linked model file.

4 Click OK.

Acquiring and Publishing Coordinates

In general, you want to acquire coordinates from a linked model (such as a site) if you are working in a building model file. If you are working in the site model, you want to publish coordinates from the site model to linked building models.

In either case, you publish or acquire coordinates while you are in a host model.

Acquire Coordinates

When you acquire coordinates from a linked Revit project, the shared coordinates of the linked project become the shared coordinates of the host project, based on the position of the linked project instance in the host project. There is no change to the host project's internal coordinates. The host project also acquires True North from the linked project. The origin of the linked project's shared coordinates becomes the origin of the host project's shared coordinates.