

Setting up Shared Projects in a Multi-User Environment

Semi-Isolated Shared Projects

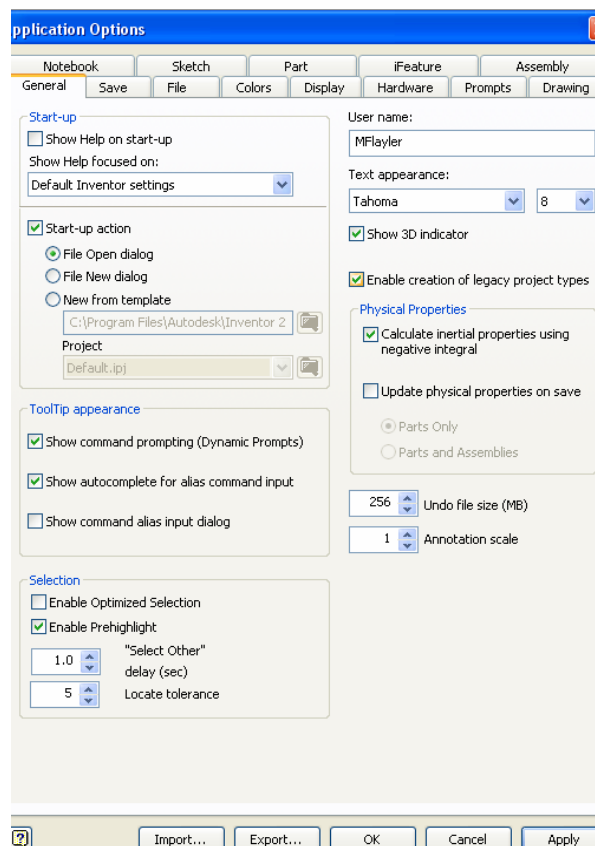
A semi-isolated master project specifies the Workgroup for shared files and one or more libraries. Each designer also creates a personal project that includes the path to the master project (automatically allowing access to the shared workgroup and one or more libraries) and specifies a personal workspace for editing.

Designers check out files from the workgroup shared by the whole design team, which automatically copies the file into a personal workspace (specified in the personal project) for editing.

Components that are not in the personal workspace are referenced from the network locations. After you open a file in Autodesk Inventor, use the file status browser to see the status of all saved files in the project, and check files in and out. Workgroup members do not see edits to files until they have been checked back in, and then they must refresh or reopen files to see the changes.

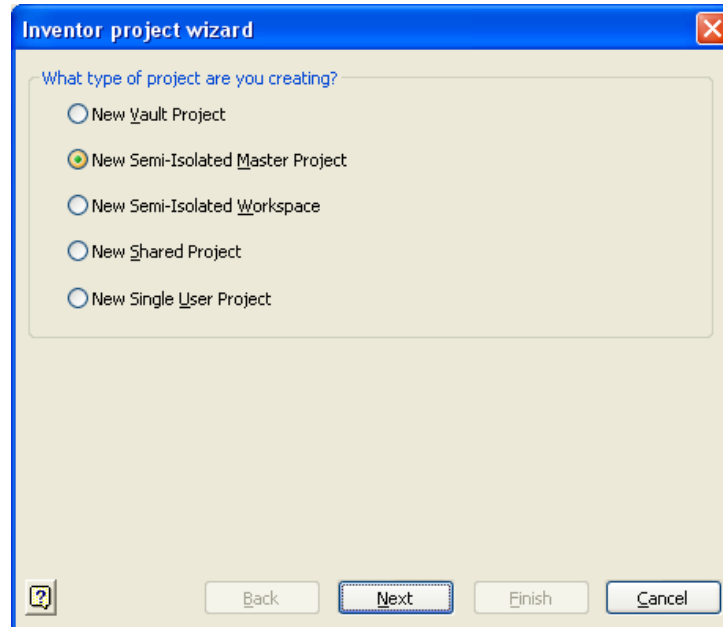
To avoid file resolution problems, projects always use relative paths rather than absolute paths so that paths are relative to the project file location (the workgroup for the master project; the workspace for personal projects).

To enable this type of Project file you need to authorize the software to initialize it. This is done in *Tools* → *Application Options* → **General** Tab

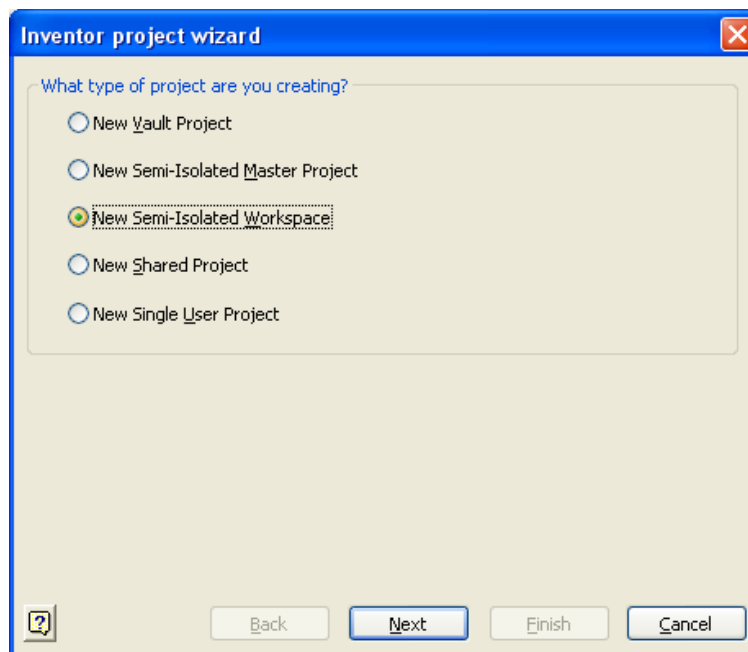


Example Workflow

A project lead will set up a new Master Project on the server. This will be a location that everyone can access on a shared network. It will house the data that will be shared among the individual workspaces throughout the workgroup.



Individual Designers utilizing this data will need to setup a Semi-Isolated Workspace. This will be the location on the individual's computer where work will be completed.

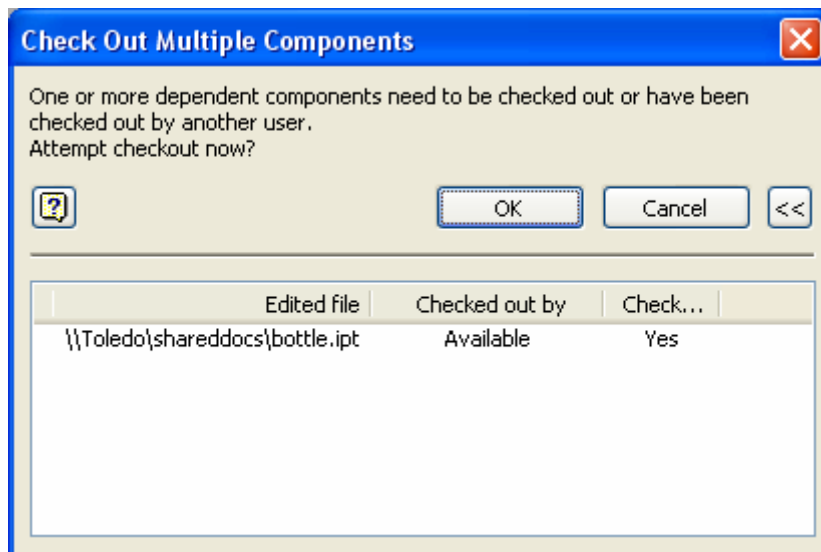
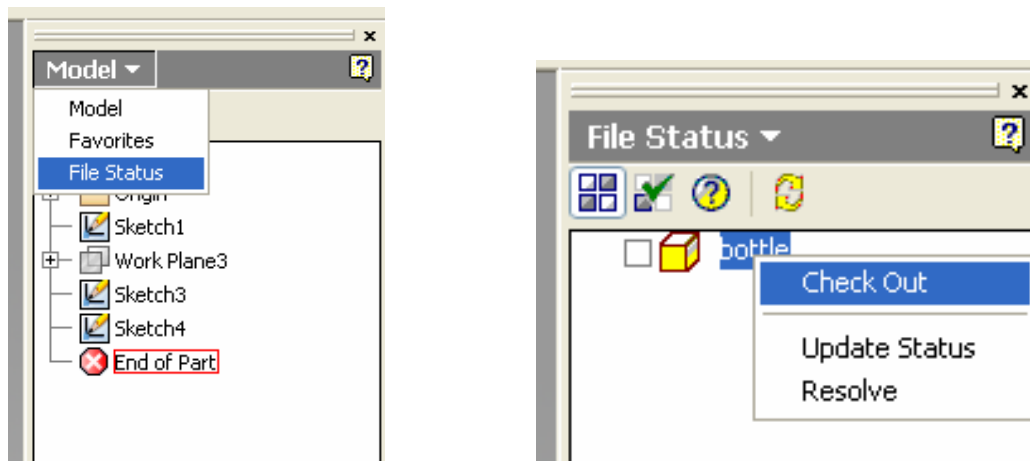


File Check Out

You check files out of a workgroup location, make changes, and then save them to your workspace location. When you check out a file from the workgroup location defined in a project, it is automatically copied to the workspace defined in that project.

Check out files from the file status browser in the Semi-Isolated and Shared project types.

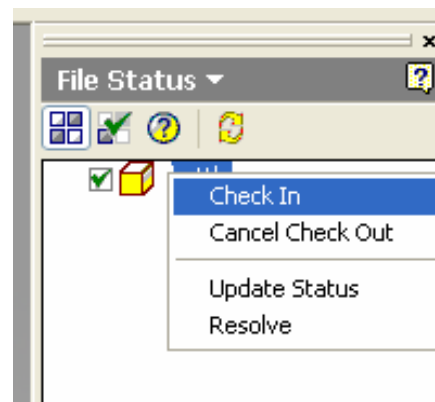
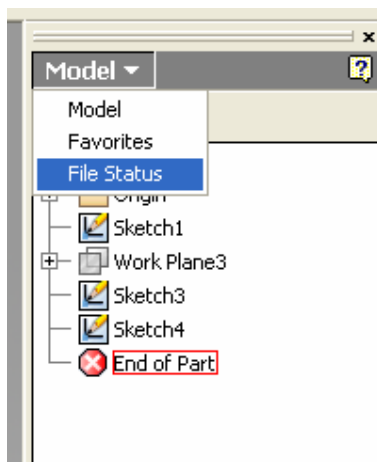
1. In the browser, right-click the title bar, and then click File Status on the menu.
The File Status browser is displayed with status icons to the left of each file listed.
2. In the File Status browser, right-click a file name with the Available for check out status icon in front of it.
3. Click Check Out on the menu.
4. You will get a confirming dialog box with a status of Availability for either one or multiple files. Click OK. The file is now checked out and copied to your workspace.



File Check In

You check files back in when you want to update the version in the workgroup location and make the changes available to others. For a file to check in successfully, its check-out properties must be the same in the workgroup location and the workspace.

1. In the browser, right-click the title bar, and then click File Status on the menu. The File Status browser is displayed with status icons to the left of each file listed.
2. In the file status browser, right-click the file name with an icon in front of it indicating the file is checked out to you. If the box is white with a checkmark then no changes were made. If it is green with a checkmark then changes have occurred and the file will replace the one located in the Master project.
3. Click Check In on the menu. The file status browser icon changes (no checkmark) to indicate that the file is no longer checked out to you.



Resolve Check Out

Shows information about the checked out file and changes the check out status. Forces the check in of a file that you did not check out, was checked out to someone else, or was checked out under a different name or version.

A valid check out has matching properties on both the file in the workspace and the file with the same name and relative path in the relevant workgroup. Properties include the:

- User login name
- Check out location
- Revision ID on the workgroup file replaced by the check out
- Timestamp

The Resolve Checkout dialog box controls the following operations:

Tree check box Causes Forced Check Out, Canceled Check Out, or Steal Check Out to apply to all files in the tree.

Force Checkout Used when the revision ID in the workspace and workgroup do not match. Click to override the current check out to someone else or a different version or file name. Check out data is reset to your name, path, date, and version. Use with caution to avoid replacing another designer's checked in edits to the file.

Cancel Checkout Cancels check out of a previously checked out file, including one checked out to someone else or when the workgroup file check out status does not match your check out status.

Steal Checkout Overrides the check out status of another designer and checks out a file to you instead. Use with caution to avoid destroying another designer's edits to the file. Available when the workgroup file is checked out to another designer or workspace location.

Skip! Cancels the Forced Checkout, Canceled Checkout, or Steal Checkout.

The screenshot shows the 'Resolve Checkout' dialog box with the following fields and values:

- Force Checkout** (button)
- Cancel Checkout** (button)
- (Tree check box)
- Skip!** (button)
- <<** (button)
- Workspace Document**
 - Fullpath: C:\Buzdor\Machine A\bottle.ipt
 - Checked out to: MFlayler
 - When: 6/25/2007 17:06:54
- Workgroup Document**
 - Fullpath: \\Toledo\shreddocs\bottle.ipt
 - Checked out to: MFlayler
 - When: 6/25/2007 17:06:54
 - Checked out to Workspace Path: C:\Buzdor\Machine A\bottle.ipt

The screenshot shows the 'Resolve Checkout' dialog box with the following fields and values:

- Force Checkout** (button)
- Cancel Checkout** (button)
- (Tree check box)
- Skip!** (button)
- <<** (button)
- No checkout exists on the workgroup document. Select 'Force Check Out' to create one.
- Workspace Document**
 - Fullpath:
 - Checked out to:
 - When:
- Workgroup Document**
 - Fullpath: \\Toledo\shreddocs\bottle.ipt
 - Checked out to:
 - When:
 - Checked out to Workspace Path: