

ProjectWise i-model Packager, Product Preview v1.1

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ProjectWise i-model Packager Overview

ProjectWise i-model Packager is Bentley's free add-on to ProjectWise Explorer that lets you create packages of optimized i-models (.OMIM files) and other documents stored in ProjectWise. These packages can then be opened in ProjectWise Explorer for the iPad. The optimized i-models themselves are created in MicroStation or Bentley i-model Composer using Bentley's i-model Optimizer app.

For this product preview, ProjectWise Explorer V8i (SELECTseries 3) and ProjectWise Explorer V8i (SELECTseries 2) are supported.

Installing ProjectWise i-model Packager on top of ProjectWise Explorer adds the following options to the Document menu in ProjectWise Explorer:

- **Packaging i-model > Create** – used to create a package, bound for the iPad, that contains optimized i-models and/or other documents
- **Packaging i-model > Unpack** – used to unpack a package, created on the iPad, that contains annotations of optimized i-models and/or other annotated documents

The functionality delivered by this app will eventually be included with ProjectWise Explorer, but for now it is available from Bentley's iWare website: <http://www.bentley.com/en-US/Free+Software/>.

Note: The i-model annotation workflow requires that you start with an i-model stored in ProjectWise, and that the return packaging i-model (containing annotations of the i-model) is stored in the same datasource as the original i-model. This is because the unpack feature looks in ProjectWise for the original i-model; if it cannot find the original i-model in the datasource, the unpacking of the related annotation files will fail.

Creating Packaging i-models in ProjectWise Explorer

The package you create in ProjectWise Explorer is referred to as the **packaging i-model** and has the file extension .PMIM. The packaging i-model was originally designed as a container for optimized i-models (.OMIM files), but you can add any ProjectWise documents to it.

Note that the use of a packaging i-model is not a strict requirement for getting optimized i-models (or any other documents) from the desktop to the iPad. ProjectWise Explorer for the iPad users who are able to connect directly to their ProjectWise datasources also have the option of opening their optimized i-models and/or other documents directly from the datasource, without requiring those documents to be put into a package first.

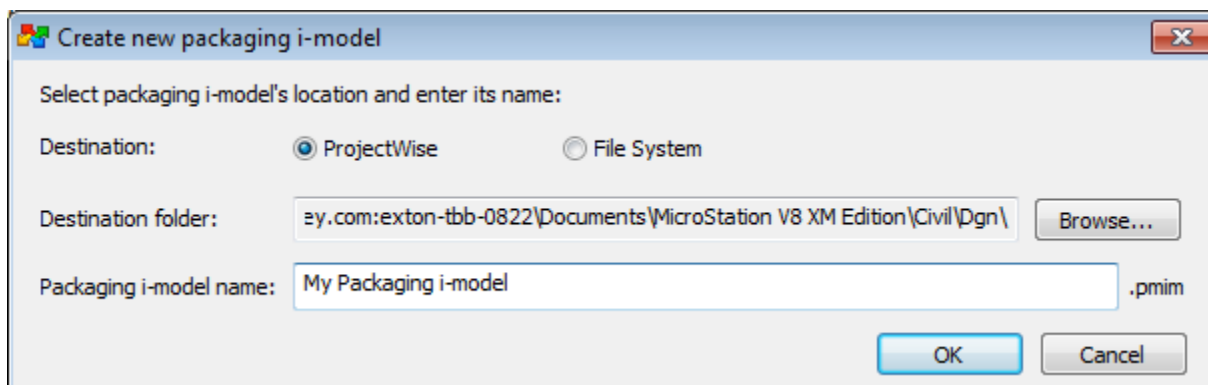
To Create a Packaging i-model (PMIM), Bound for the iPad

1. In ProjectWise Explorer, select the document(s) or flat set you want to add to the packaging i-model.

You can select multiple documents within the same folder, or you can select a flat set that contains documents from the different folders. When you add a flat set, all the documents in the set will be added.

2. From the Document menu, select Packaging i-model > Create.

The Create new packaging i-model dialog opens.



Dialog control	Description
Destination	Sets whether you want to store the new packaging i-model in ProjectWise or on the file system. ProjectWise is selected by default.
Destination folder	<p>Sets the folder in ProjectWise or on the file system in which to store the new packaging i-model. The Browse button is used to change the default location.</p> <p>If ProjectWise is the selected destination, then the default location is set to the current folder in ProjectWise.</p> <p>If File System is the selected destination, then the default location is set to C:\Users\<<your-local-username>.</p>
Packaging i-model name	<p>Sets the name for the new packaging i-model. The file extension for this type of file is PMIM. If you are storing the new packaging i-model in ProjectWise, the name you set here will be used for both the document name and the file name.</p> <p>If you have multiple documents selected, then the name defaults to the name of the current ProjectWise folder. If you have a single document or flat set selected, then the name defaults to the name of the item selected.</p>

3. In the Destination field, select whether you want to store the new packaging i-model in ProjectWise or on the local file system.
4. (Optional) — Click Browse to change the default ProjectWise or local file system folder in which to store the new packaging i-model.
5. In the Packaging i-model name field, enter a name for the file.
6. Click OK.

The packaging i-model is now ready to be sent to the iPad and opened in ProjectWise Explorer for the iPad.

Note: Once a packaging i-model is created, you cannot add more files to it. If you need to add more files, just create another packaging i-model that contains all the files you need.

Transferring Packaging i-models to the iPad

If the ProjectWise Explorer for the iPad user is able to connect directly to the datasource in which the packaging i-model exists, then they can simply log in to the datasource and open the packaging i-model directly.

If the ProjectWise Explorer for the iPad user *cannot* connect to the datasource in which the packaging i-model exists, or if you stored the packaging i-model on the local file system instead of ProjectWise, then you will need to manually transfer the packaging i-model to the iPad.

If the packaging i-model is already stored on the local file system, you can transfer it to the iPad using email, a cloud service (such as Dropbox), or iTunes. If the packaging i-model is stored in ProjectWise, you can use standard ProjectWise Explorer tools to get the file out of ProjectWise, such as Document > Export > Send to Folder or Document > Send To > Mail Recipient. Once the iPad user has the packaging i-model, they can open it in ProjectWise Explorer for the iPad.

Note that direct connection from ProjectWise Explorer for the iPad to a ProjectWise datasource requires a ProjectWise Mobile Access Server, which is configurable by your system administrator.

Unpacking Return Packaging i-models

Packaging i-models created in ProjectWise Explorer for the iPad are referred to as **return** packaging i-models. Just like packaging i-models created in ProjectWise Explorer, they have the file extension .PMIM.

The return packaging i-model will typically contain **annotation files**, which can include annotation overlays of optimized i-models (created in Bentley Navigator for the iPad and stored in AMIM files), and/or other annotated files such as PDFs, Office documents, or various image formats. While the return packaging i-model is intended to send markup back to ProjectWise, it can contain any documents created on the iPad; the documents in the package do not have to be annotation files.

If the ProjectWise Explorer for the iPad user has a direct connection to the datasource, they can add a return packaging i-model directly to ProjectWise from the iPad. If they do not have a direct connection, they can manually transfer the package from the iPad to the desktop where it can then manually be imported into ProjectWise. Once the return packaging i-model is stored in ProjectWise, any user who has the ProjectWise i-model Packager app installed can unpack it.

To Unpack a Return Packaging i-model (PMIM) Containing Annotation Files

1. In ProjectWise Explorer, select a return packaging i-model (PMIM).
2. From the Document menu, select Packaging i-model > Unpack.

The contents of the return packaging i-model are unpacked.

Note: The document types inside the package determine the folder to which they will be unpacked. Unpacking a PMIM file that contains an annotated PDF will unpack the annotated PDF to the same folder as the original PDF, and will be renamed accordingly (if the original PDF is named my.pdf, then the annotated PDF will be renamed my_copy1.pdf when it is unpacked). Unpacking a PMIM file that contains an AMIM file will convert the AMIM file to an .overlay.dgn file, and the new .overlay.dgn file will be stored in the same folder as the PMIM file. Also, any new file created on the iPad and added to the package will be unpacked to the same folder as the PMIM file.

Note: PDFs and other document types can be unpacked multiple times, resulting in multiple copies (my_copy1.pdf, my_copy2.pdf, and so on), however an AMIM file can only be unpacked and converted to an overlay.dgn once. Subsequent attempts to unpack the AMIM from the PMIM will fail with an error message (unless you delete the originally unpacked .overlay.dgn and try again).

Note: To unpack AMIM files from the return packaging i-model, Bentley Navigator V8i (SELECTseries 3) must be installed on this computer and integrated with ProjectWise. To unpack other file types, no additional software is required.

Note: If the PMIM contains an AMIM file, the PMIM must be stored in the same datasource as the original file from which the OMIM file was created. If unpack feature cannot find the original file in the datasource, the unpacking of the related AMIM file will fail.

Note: The unpack feature is typically used for unpacking return packaging i-models – that is, packaging i-models created on the iPad. You can also use the ProjectWise i-model Packager app to create a package of documents in one datasource, and then unpack it in another datasource.