


Generating a Work Document



This procedure describes how to generate a work document from a work process (.CATProcess file). Within the Excel document, **Generate Document**  generates a worksheet for each operation. Each worksheet contains activity details and snapshots of activities created under the operation. In addition, a cover sheet is created that contains overall information about the process and product(s). This command is used to generate a document that overwrites any existing document. Once this document has been created, you can open the newly generated Excel file and modify it, e.g., add images and text boxes, or reorder or reposition already-generated images and text boxes for the activities.



This procedure assumes you have previously [generated a work document template](#) or use the default template, under `intel_a\sample\DPM_Work\AWIDocTemplate.xls`. It also assumes you have set up a process. If you are using the sample process library available under `intel_a\sample\DPM_Work\AWIDocProcessLib.act`, the recommended process hierarchy is:

Root Process

- AssemblyWIPProcess.1
 - AssemblyWIOperation1.1
 - Simulation Activity1.1.1 (e.g. Move, Viewpoint, or Text Activity)
 - Simulation Activity1.1.2
 - AssemblyWIOperation1.2
 - Simulation Activity1.2.1
 - Simulation Activity1.2.2
- AssemblyWIPProcess.2
 - AssemblyWIOperation2.1
 - Simulation Activity2.1.1
 - Simulation Activity2.1.2
 - AssemblyWIOperation2.2
 - Simulation Activity2.2.1
 - Simulation Activity1.2.2

Note:

The out-of-the-box documentation solution supports a process structure that is only two levels deep (AssemblyWIPProcess.1 and AssemblyWIOperation1.1 as shown [above](#)).

If you are using a process hierarchy different from the one mentioned above, you need to modify the scripts:

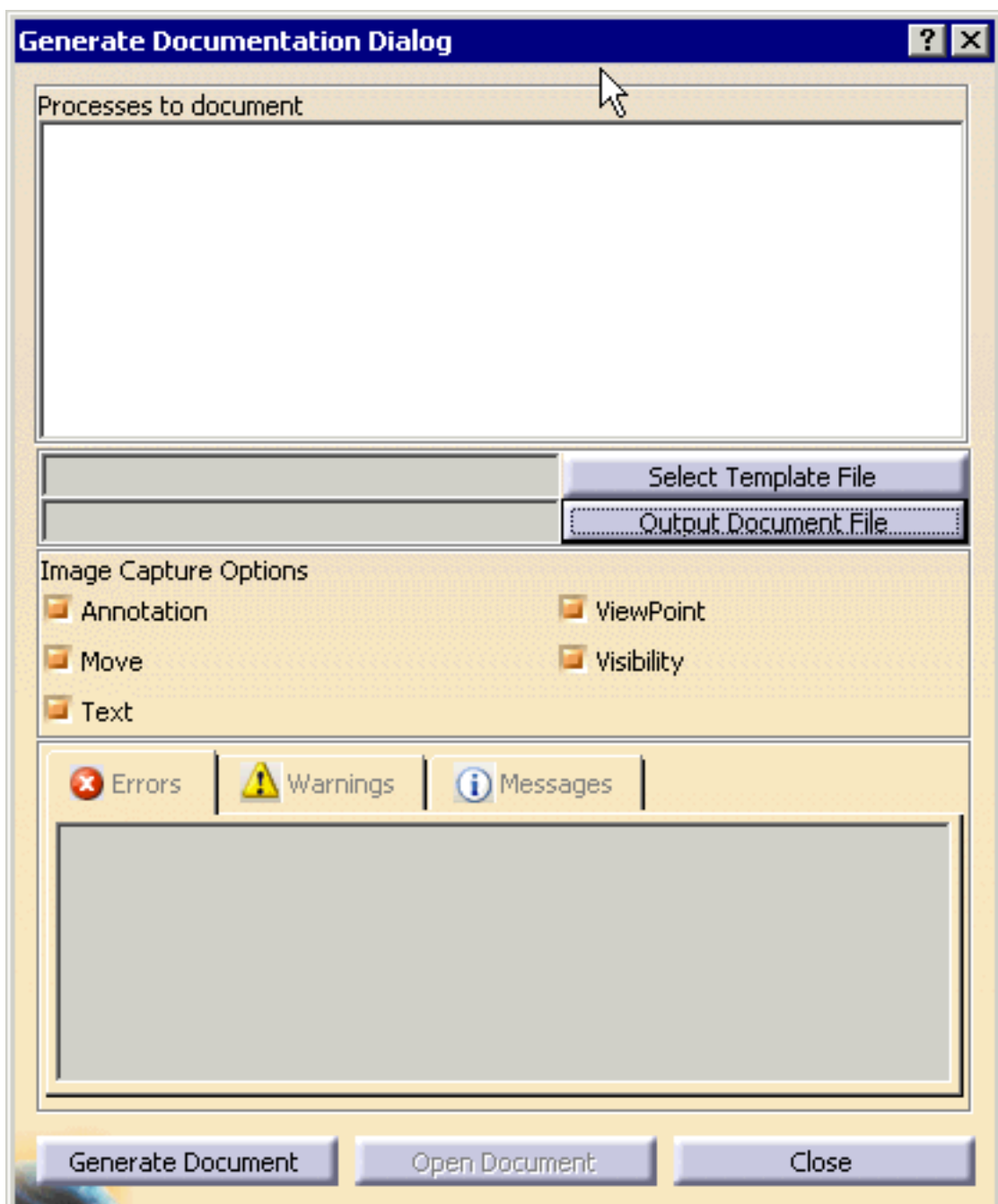
- **DNBGenerateDocumentation.CATScript**
- **DNBUpdateDocumentation.CATScript**

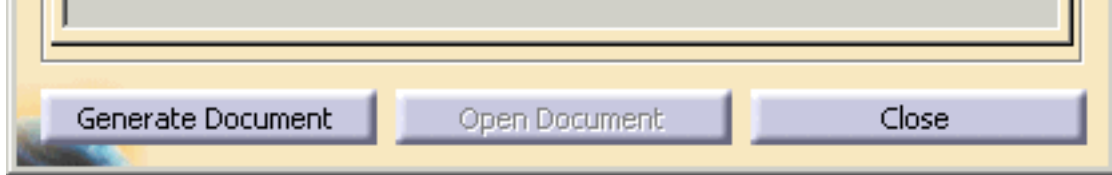
The scripts are located in the **intel_a\VBScript\DPM_Work** subdirectory beneath your V5 install directory.



1. Select the process you wish to document.
2. Simulate or verify the process.
3. Click **Generate Document**

The **Generate Document** dialog box appears.





4. Select the assembly process for which to generate the documentation.

You can only select a single process, and you cannot select the root process. Once you select an assembly process, the children of that process appear in the **Processes to document** area.

5. Select the desired child process(es).
6. Click the **Select Template File** button.

The **Select** dialog box appears.

7. Navigate to the Excel template for this process, select the template file, and click **Open**.
8. Click the **Output Document File** button.

The **Select** dialog box appears.

9. Do one of the following:

- Navigate to the Excel file you want to use to document this process, select the file, and click **Open**, OR
- Navigate to the directory where you want the output document stored, enter a name for the output file, and click **Open**. The Excel file you name is the one that will be created by the software.

10. In the **Image Capture** area, select the check boxes associated with the kinds of images you want captured, then click **OK**.
11. Click the **Generate Documentation** button.

A confirmation message appears under the **Messages** tab:

Documentation file is generated
File is stored at ... D:\path\filename.xls
If necessary, please do reordering and add further information.

12. Click the **Open Documentation** button.

The document contains a cover sheet as its first worksheet. Regardless of the options selected in the **Image Capture** area, the cover sheet of the document contains an image, showing the 3D State after the simulation of the process. Subsequent worksheets document each child process or operation within the main process. Text and images of the simulation activities also appear. The data within attributes are mapped to their associated header cells.

Note: Text of either a simulation text activity or a [generative work instruction](#) activity can only appear in the worksheet of a child process or operation. The text of normal work instruction activities like a [Data Collect Activity](#) does not appear in the worksheet.

Under an operation, if there are no children activities for which image needs to be generated, by default, one image is generated. This image shows the 3D state after the simulation of this operation; the image appears in the corresponding operation sheet.

13. Modify the spreadsheet as desired. Such modifications might include altering the layout, enlarging images, or adding additional text.
14. Save and exit the Excel spreadsheet.

