Autodesk Navisworks 2010 NWC File Exporter Pack

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Thank you for downloading Autodesk Navisworks 2010 NWC File Exporter Pack.

This readme contains the latest information regarding the installation and use of the NWC file exporter pack. For reference, you should save this document to your hard drive or print a copy.

Installation Information

You don't have to have Autodesk Navisworks software to install the NWC file exporter pack.

IMPORTANT If you install any product for which you want to have NWC export support after the NWC file exporter pack is installed, you need to update your installation with the appropriate plugins before you can use them. The procedure for updating the NWC file exporter installation is included in this readme.

To install the stand-alone NWC file exporter pack

1. Download the self-extracting executable file to any temporary location.
2. Find the folder where you saved the executable file and double-click it.
3. In the Autodesk Navisworks Exporters 2010 Installation wizard, click Install Products.
4. Click Next.

To add the missing exporter plugins to NWC file exporter installation

1. In the Control Panel, double-click Add or Remove Programs.
2. In the Add or Remove Programs dialog box, find the NWC file exporter plugins in the list of programs, and then click Change/Remove in Windows XP or Uninstall/Change in Vista.
3. In the Autodesk Navisworks Exporters 2010 Installation wizard, click Add or Remove Features.
4. On the Select Exporters to Install page, the Export From Other Applications node, select the check boxes next to the required plugins.
5. Click Next.

To unistall the NWC file exporter pack (Windows 2000 and XP)

1. On the Start menu, click Control Panel.
2. Double-click Add or Remove Programs.
3. Find the NWC file exporter plugins in the list of programs. Click Remove.

To uninstall the NWC file exporter pack (Vista)

1. On the Start menu, click Control Panel.
2. Click Programs.
3. Click Programs and Features.
4. Find the NWC file exporter plugins in the list of programs. Click Uninstall.

Using NWC File Exporter Pack

The NWC file exporter pack enables project team members generate the optimized NWC files directly from their design applications.

The NWC file enables transfer of both object geometry and associated metadata (such as object properties and materials) from the design applications into Autodesk Navisworks 2010.

The NWC exporter pack works with a range of products including AutoCAD-based applications, Revit-based applications, 3DS MAX and Viz, Microstation, and ArchiCAD.

You can distribute link to a download page for the NWC exporter pack to any project team member.

To export an NWC file from an AutoCAD-based application

1. To export an NWC file, type `NWCOUT` at the command line in the design application.
2. Press Return.
3. In the Save As dialog box, enter the name for the file, and browse to the desired storage location.
4. Click OK to export the file, or Cancel to return to the application without exporting it.

To export an NWC file from a Revit-based application

1. In the design application, click Tools ➤ External Tools ➤ Navisworks 2010.

   NOTE This option is not available in Demo/Viewer mode. If you are not in demo mode, but do not have access to the Navisworks menu, check if editing view is set to normal, and the modify tool is selected (Edit ➤ Modify).

2. In the Export Scene As dialog box, enter the name for the file, and browse to the desired storage location.
3. Click Save to export the file, or Cancel to return to the application without exporting it.

To export an NWC file from 3DS MAX or Viz

1. Click File ➤ Export.
2. In the Select File to Export dialog box, select Navisworks 7 Cache (*.NWC) in the Save as Type field.
3. Enter the name for the file, and browse to the desired storage location.
4. Click Save to export the file, or Cancel to return to the application without exporting it.

NOTE Any textures applied to the 3DS Max model are saved in a directory with the same name as the exported file, but with a **_presenter_maps** suffix. All textures are converted into .bmp files and saved into this directory for use with Autodesk Navisworks 2010.

To export an NWC file from Microstation

1. In the design application, click Utilities ➤ Key-In to open the Key-In dialog box.
2. To export an NWC file, type `NWCOUT`.
3. In the Export Navisworks File dialog box, browse to the desired storage location.

   The exporter automatically provides a filename, and a view number, which you can modify, if necessary. The chosen view number determines the initial model view in Autodesk Navisworks 2010.
4. Click OK to export the file.

To export an NWC file from ArchiCAD

You can export NWC files from both the 2D and 3D windows. All standard ArchiCAD elements and library parts can be exported provided they have a 3D representation, and any others are ignored. The file exporter saves both standard materials and custom GDL script materials. Only visible layers are exported.

1. In the design application, click File ➤ Save As.
2. In the Save As dialog box, select Navisworks 7 (*nwc) in the Save As Type field.
3. Enter the name for the file, and browse to the desired storage location.
4. Click Save to begin the export process.
5. In the Export dialog box adjust the file exporter options:
   - **Export GUIDs** - select this check box to attach a Globally Unique IDentifier as a property to each item in the model. In CEV_ProdName_CEV, GUIDs are used by the Clash Detective to track clashes.
   - **Enable Library Part Instancing** - select this check box to make instances of library parts rather than creating new items. This is only possible when multiple library part elements within the ArchiCAD model have exactly the same properties. Instancing these parts means a smaller NWC file, and shorter export times.

     NOTE In sectioned models, when this check box is selected all instances show the same sectioning as the original item (usually, the first library part in the file). If you get some unexpected effects, clear this check box.
   - **Export Library Part Parameters** - select this check box to save library part parameters (including the user-defined custom parameters) as item properties in CEV_ProdName_CEV.
   - **Export Current Story Only** - this option is not used for when saving from the 3D window (see the Note below). When saving from the 2D window, select this check box to export the current story only; clear this check box to export the whole model. The default view is determined from the bounding box of the model.

     NOTE When saving from the 3D window, everything contained within the view is exported, and the view becomes the default Autodesk Navisworks 2010 view (including window settings, such as cutaway planes).
   - Click OK.

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