Echelon *i*.LON WebGen Utility

Overview

The Echelon ***i*.LON** WebGen Utility automatically generates ***i*.LON**-compatible web pages from a LonMaker/LNS database. It has the ability to create both NVL_ (local to the WebNode function block) and NVE_ (external to the ***i*.LON**) <iLonWeb> tags.

Modes of Operation

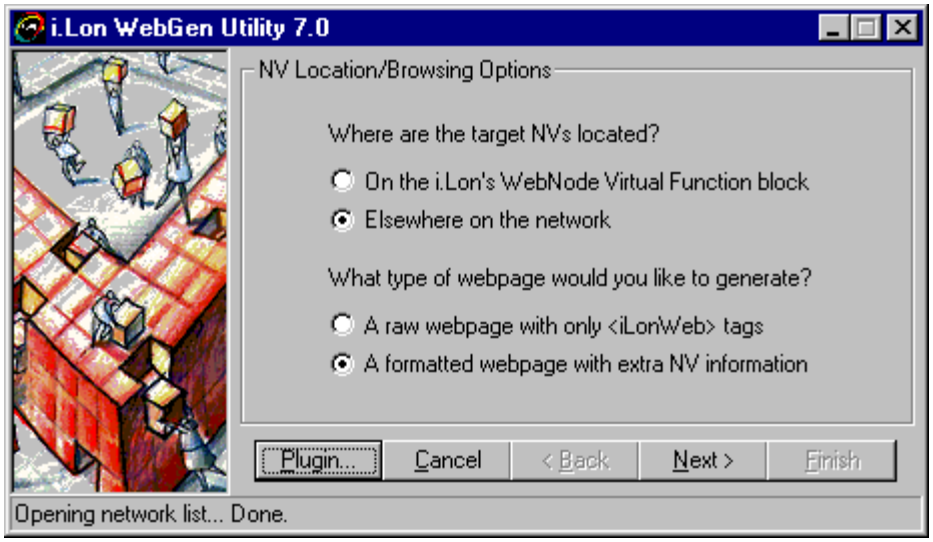
The WebGen utility can run as a standalone executable ("Standalone Mode") or as a plug-in for LonMaker ("Plug-in Mode"). In order to run as a LonMaker plug-in, WebGen must be registered with LNS first. To do this, run the WebGen executable and click on Plugin…

Click Register Plug-in, and wait for the confirmation message "Plugin registered as EcheloniLonWebGenUtility.LNSPlugInAPI"

Note: If WebGen is run as a plug-in, it will generate pages only for the current network opened in LonMaker. To launch WebGen from LonMaker, select LonMaker → System Plugins…→ Launch i.Lon WebGen Utility.

Using WebGen

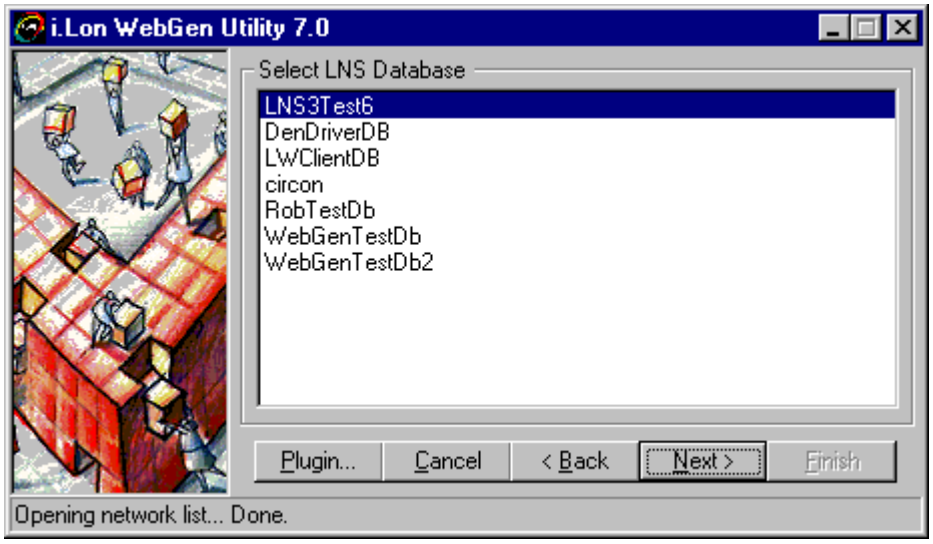
1. NV Location/Browsing Options



a) Select whether the desired Network Variables (NVs) are directly bound into the WebNode virtual function block on the ***i*.LON**, or if the NVs are located somewhere else in the LonMaker drawing/LNS database. If the first option is selected, <iLonWeb NVL_…> tags will be generated, whereas if the second option is selected, <iLonWeb NVE_…> tags will be generated. Note that if you choose the first option, WebGen will automatically display only WebNode function blocks in the LNS hierarchy. On the other hand, if the second option is selected, all function blocks and NVs in a given LNS database will be displayed.

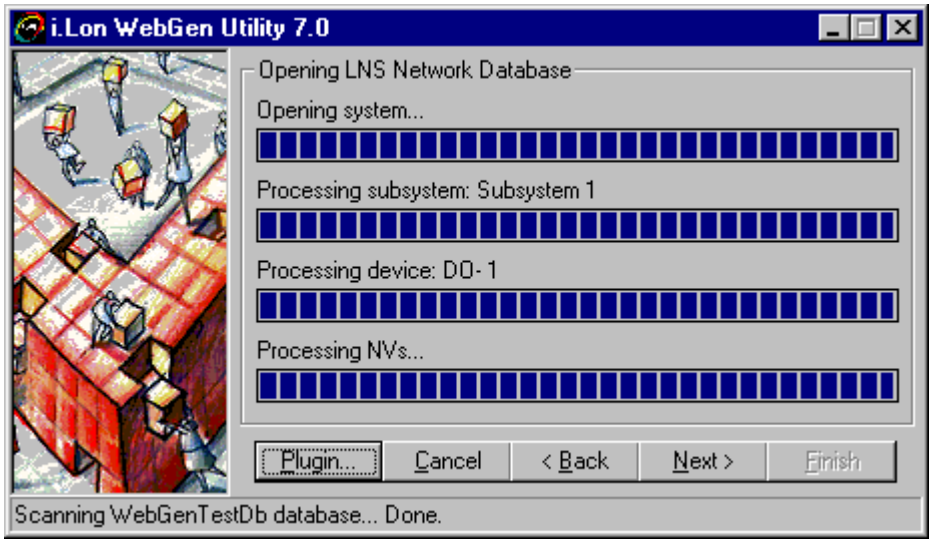
b) Select the type of page you would like to generate. The raw web page includes only the necessities, while the formatted web page uses the <TABLE> tag to lay out information and includes the DsFormatType of each NV.

2. Select LNS Database



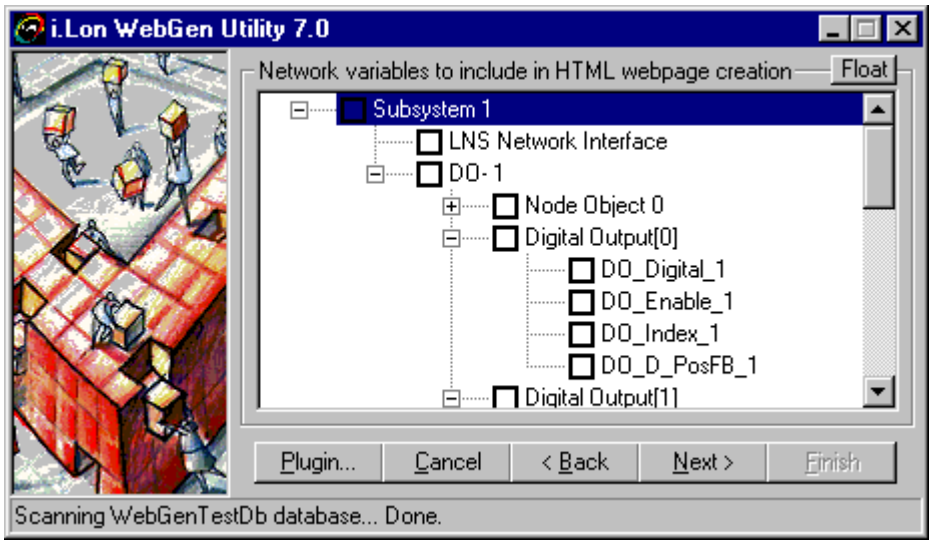
This wizard step will appear only if WebGen was launched in "Standalone Mode." If launched in "Plug-in Mode" (from LonMaker) WebGen will automatically proceed to the next step and assume the currently open network is the desired one for selecting NVs.

3. Opening LNS Network Database

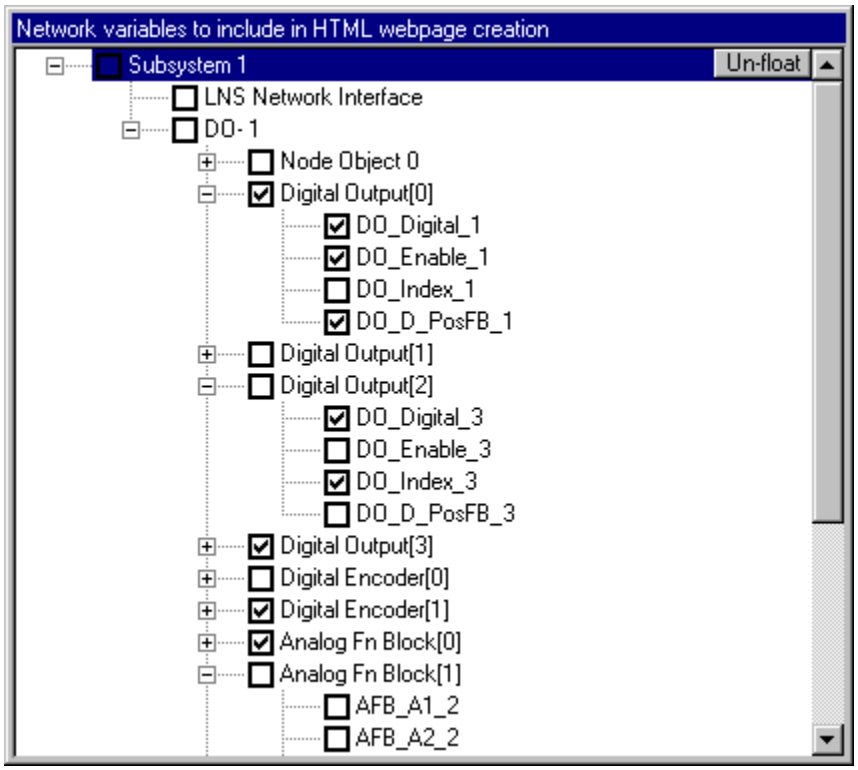


WebGen will scan the LNS database for NVs belonging to the category selected in Step 1. (Local to WebNode v. Elsewhere in LNS Network) Click Next when WebGen has finished scanning the LNS database.

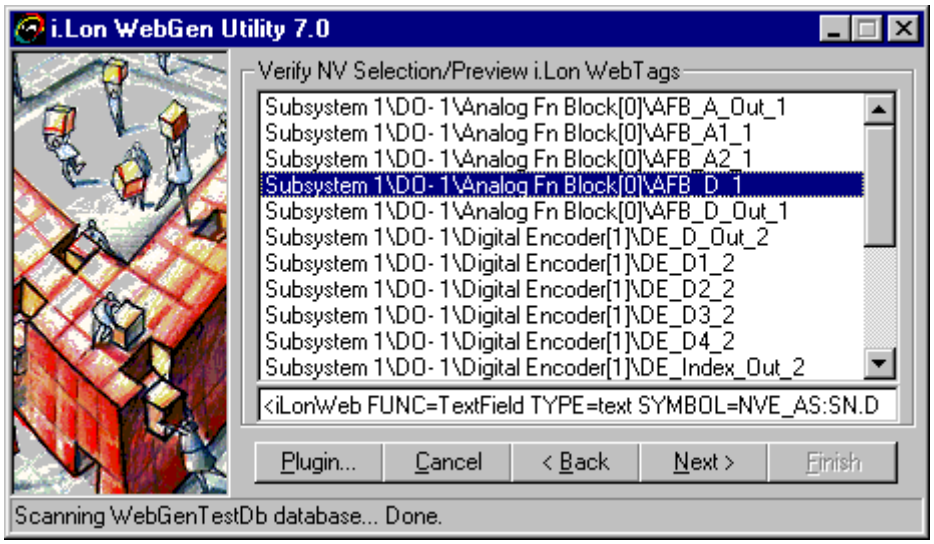
4. Select Network Variables to Include in Webpage Creation



Select the desired NVs, and WebGen will automatically generate the corresponding <iLonWeb> tags for them. As shown below, clicking Float will expand the tree view window for viewing large LNS networks.

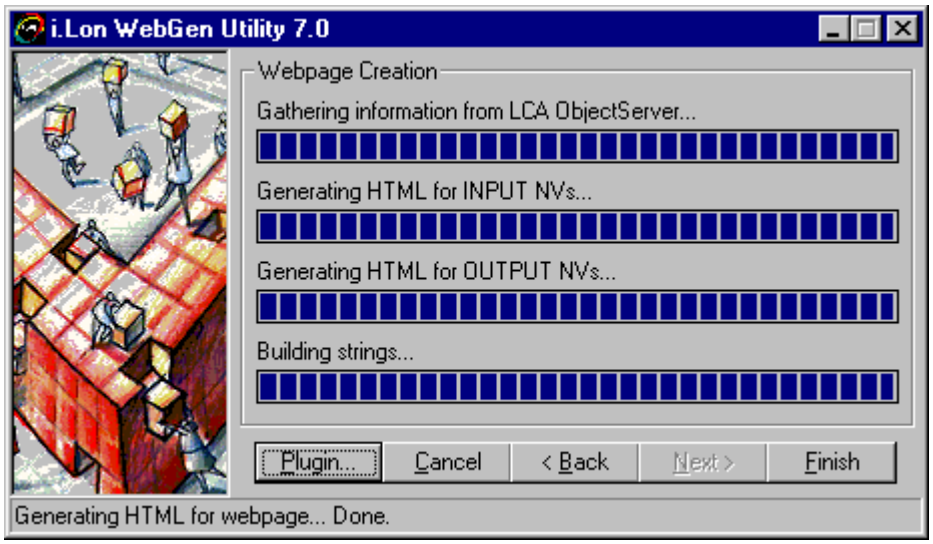


5. Verify NV Selection & Preview <iLonWeb> Tags



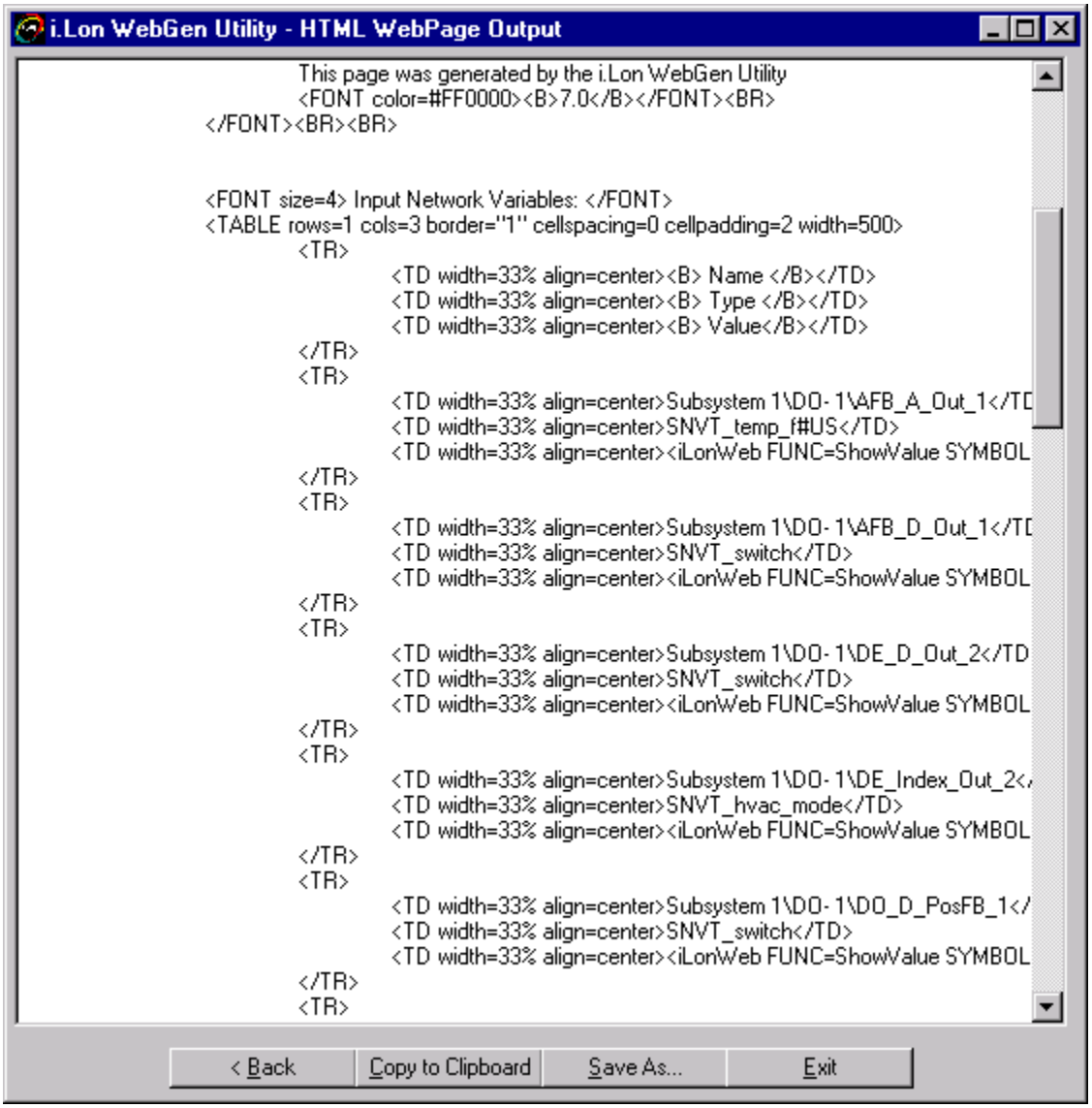
This section will allow you to confirm the network variables selected in the previous step, as well as preview the <iLonWeb> tags to be generated for each NV. By clicking on an NV's path, WebGen will automatically show that NV's <iLonWeb> tag in the box below.

6. Web Page Creation



WebGen will now create an HTML page with <iLonWeb> tags for the NVs you selected. Click Finish.

7. HTML WebPage Output



When you save the HTML to a file, WebGen will automatically set the ACTION attribute of the <FORM> tag to the name of the saved file. The file is now ready to be FTP'd to the ***i*.LON**. If you decide to rename the file before uploading to the i.Lon, be sure to manually set the ACTION attribute to the new file name. If it is set to an incorrect value, the web page will not reload properly on the ***i*.LON**