

# Plug-in Example

The Natural Studio plug-in example demonstrates how the Natural Studio metastructure can be extended with plug-ins that define your own object types, assign commands to them and display objects as nodes in tree views and list views.

The plug-in example shows information about the Natural application programming interfaces contained in the library SYSEXT. It allows users to list their documentation and to execute a test program for each of the application programming interfaces.

The source code of the plug-in example is delivered in the library SYSEXPLG. It is intended to give an impression of how plug-ins can be implemented with Natural Studio.

The following topics are covered below:

- Activating the Plug-in Example
  - Using the Plug-in Example
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## Activating the Plug-in Example

The plug-in example is installed automatically during Natural Studio installation. Initially, the activation of plug-ins is disabled. Therefore, in order to use the plug-in example, you must first enable plug-in activation and then activate the plug-in example.

### To activate the plug-in example

1. Make sure that plug-in activation has been enabled. See *Workspace Options* in the documentation *Using Natural Studio*.
2. Invoke the Plug-in Manager as described in *Invoking the Plug-in Manager* in the documentation *Using Natural Studio*.
3. In the **Plug-in Manager** window, select **Plug-in Example**.
4. Activate the plug-in example as described in *Activating and Deactivating a Plug-in* in the documentation *Using Natural Studio*.

## Using the Plug-in Example

When the plug-in example has been activated in the Plug-in Manager, the following additional elements are available in the Natural Studio window.

### Menu Commands

The **Tools** menu provides the cascading menu **Plug-in Example** with the following commands:

Command	Description
<b>Open Tree View</b>	If an application programming interface (subprogram <code>USRnnnnN</code> ), its description (text member <code>USRnnnnT</code> ) or its test program (program <code>USRnnnnP</code> ) is selected in library <code>SYSEXT</code> , this command displays information about this application programming interface in a tree view window. If none of the above is selected, this command displays information about all application programming interfaces in a tree view window.
<b>Open List View</b>	Displays the same information as above in a list view window.

## Context Menus

The cascading menu **Plug-in Example** with the above commands is available in the context menus of the Natural object types program, subprogram and text.

## Toolbar

An additional toolbar is shown. The toolbar buttons represent the following menu commands:



**Open Tree View**



**Open List View**