

Create an Activity Template

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You create an activity template by copying and editing the XML of an existing activity.

Procedure

1. Create a folder for the activity template.

`C:\Program Files\PNMsoft\Shared Resources\Components\Workflows\ActivityTemplates\Custom`

2. In this folder, create the necessary files.

- o `TemplateInfo.config` (defines the activity's properties)
- o `Activity.xml.sqtemplate` (defines the activity's structure)

3. Create a new folder for diagram elements.

`C:\Program Files\PNMsoft\Shared`

`Resources\Components\Workflows\DiagramElementTemplates\Custom`

4. Copy the XML of an existing activity to the `TemplateInfo.config` file, and edit as necessary.

See the Code Sample 1 below.

5. To create a template activity based on an existing activity, add an activity to a workflow and define the activity properties according to your template requirements.
6. From *tblTemplateActivities*, copy the activity's *fldProperties* and paste them in the `Activity.xml.sqtemplate` file.
7. Edit the `Activity.xml.sqtemplate` file as necessary.
You might need to remove sections that you do not need in the file. See Code Sample 2 below.
8. Save the file.
9. Perform IIS reset.

Result

The activity template is available in the App Studio Toolbox panel under the category you defined.

Important Notes

- The *DiagramElementTemplateId* element in the `TemplateInfo.config` file should be the same in both the `TemplateInfo.config` files.
- The template activity icon should be the same icon for both folders, but require specific file extensions.
 - o For the `C:\Program Files\PNMsoft\Shared Resources\Components\Workflows\ActivityTemplates\Custom` folder, the icon should be a BMP file.
 - o For the `C:\Program Files\PNMsoft\Shared Resources\Components\Workflows\DiagramElementTemplates\Custom` folder, the icon should be a PNG file.

Code Sample 1

```
02a2b10c-fab2-4c67-be53-6c76512677a4 //Create a new Activity GUID using a GUID generator.
UploadDocument//Define a name for the activity.
Upload Document//Define how the activity name displays in App Studio.
This activity enables you to upload a document.//Define the activity description as it appears
in App Studio.
PNMsoft.Sequence.SharePointConnector.Activities.UploadDocumentActivity, PNMsoft.Sequence.Share
PointConnector, Version=7.0.0.0,
Culture=neutral, PublicKeyToken=0a1a1b90c1c5dca1//The activity type that you must take from the tb
lActivityTypes, and copy the fldType.
Activity.xml.sqtemplate//The Activity XML file name.
Misc//The category under which the activity appears in the App Studio Toolbox panel. You can d
efine a new category.
```

Code Sample 2

```

//ADD THE FOLLOWING 5 LINES IF THEY DO NOT EXIST:
http://pnmssoft.com/sequence/2008/03/metadata" type="$activitytype$"
    $activityname$
    $activityname$
    $guid1$
    $activitydescription$

    fldIActId

    dbo
    UACT$guid1$
    true

    <DynamicBindings xmlns=""><TypeBinding><Methods><Method Signature=
"SP.Response Execute(SP.Request)" Direction="In"><Parameters><Parameter Name="request"
><TypeBinding Type="SP.Operations.UploadDocumentRequest"
HasValue="true"><Members><Member Name="List"><TypeBinding Type="SP.ListByTitleRe
ference" HasValue="true"><Members><Member Name=
"Title"><TypeBinding Value="&quot;Documents&quot;" /></Member></Members>
></TypeBinding></Member><Member Name=
"File"><TypeBinding Type="SP.BinaryFileSource" HasValue="true"><Members><Member
Name="Content"><TypeBinding Value=
"Encoding.UTF8.GetBytes(&quot;test&quot;)"><Items /></TypeBinding></Member
><Member Name="FileName"><TypeBinding Value=
"&quot;test&quot; + Guid.NewGuid().ToString()" /></Member></Members></Ty
peBinding></Member><Member Name=
"FieldValues"><TypeBinding Length="1" HasValue="true"><Items><Item><TypeBi
nding HasValue="true"><Members><Member Name=
"Name"><TypeBinding Value="&quot;Title&quot;" /></Member><Member Name="V
alue"><TypeBinding Value="&quot;Test&quot;" /></Member></Members></
/TypeBinding></Item></Items></TypeBinding></
Member></Members></TypeBinding></Parameter></Parameters></Method>
</Methods></TypeBinding></DynamicBindings>

    Impersonated
    Real Madrid
    false
    In
    SharePointDynamicProxyFactoryProvider
    SP.ClientService
    SP.Response Execute(SP.Request)

```