This walkthrough will show you how to create a custom content type feature with SPVisualDev.

Prerequisites

- Follow the system requirements found on the home page of SPVisualDev on codeplex. http://www.codeplex.com/SPVisualDev
- Follow the installation instructions also found at the same place.
- This walkthrough requires:
  - Having read the "1. Creating your first project" How-to.
  - Having read the "2. Creating a custom field feature" How-to.

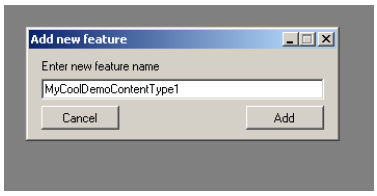
First step

It is assumed that you already have created a visual studio project as described in

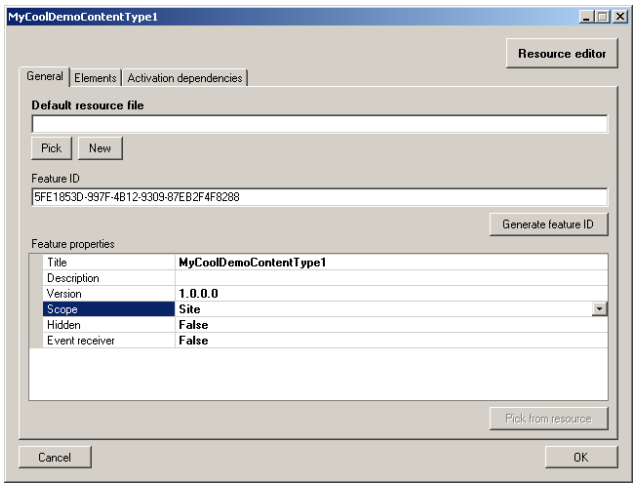
1. Creating your first project

2. Creating a custom field feature

We will start by adding a new feature called "MyCoolDemoContentType1". In the solution explorer, right click the Features node and choose "Add new feature".

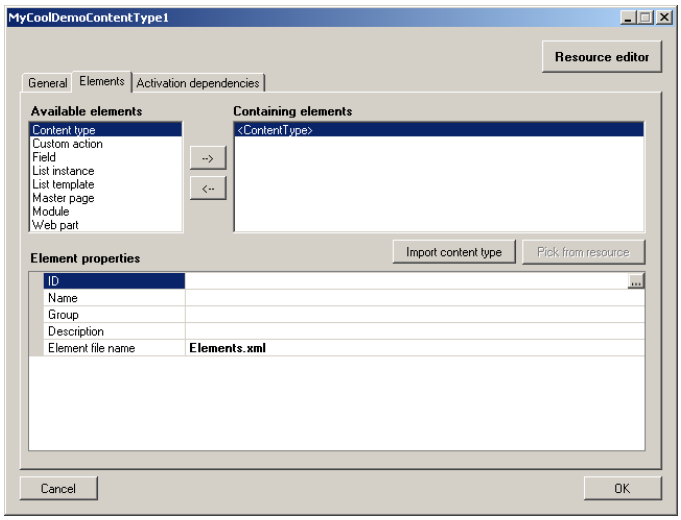


Click Add and wait for the feature settings dialog to appear.



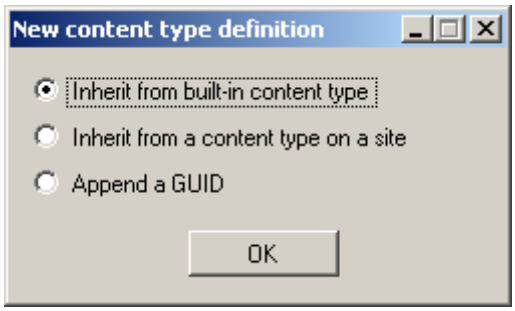
Select "Site" in the scope drop-down box.

Click on the 'Elements' tab.



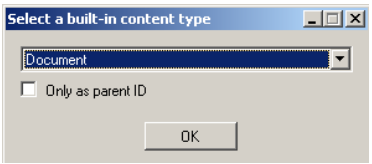
Select the content type element in Available elements list box and add it to the containing elements by double clicking the marked element. A new dialog will open with the content type settings.

Click on the ID property editable field and click on the dotted button on the right. This will give us a couple of choices on how we want to construct our content type ID. We will choose alternative 1 “Inherit from built-in content type”.



Click ok.

Choose “Document” from the drop-down box and click OK.

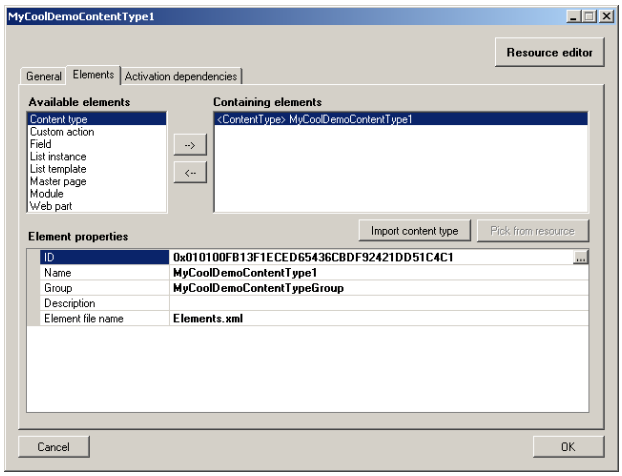


A new content type ID will be constructed that should look something like this

0x010100xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

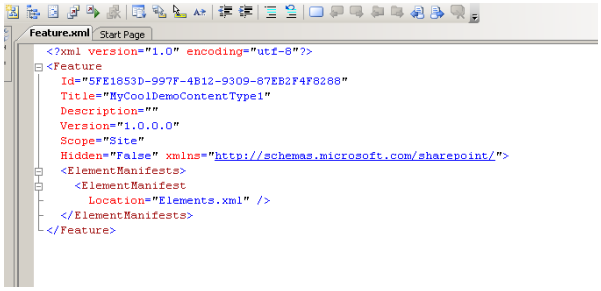
The x:s represents the GUID assigned to the ID which is unique.

Assign a name and a group to the content type. We will use “MyCoolDemoContentType1” as name and “MyCoolDemoContentTypeGroup” as group name.

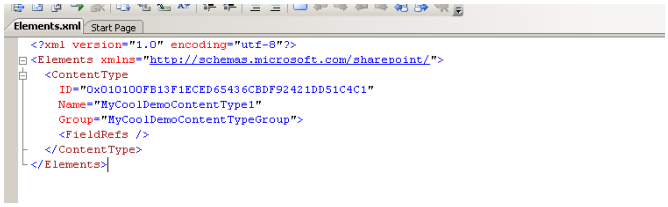


Click “OK”.

The feature definition will now be generated. Here is an example of the Feature.xml file found inside the feature folder (note that the ID differ because it should be unique):



And the Elements.xml (note that the ID differ because it should be unique):



Adding a field link to our content type

We will now add our field we created in the previous how-to “2. Creating a custom field feature”. Type in following xml replacing the <FieldRefs/> tag.

```
<FieldRefs>
      <FieldRef ID="{(Your field GUID here)}” Name="MyCoolDemoField1"/>
</FieldRefs>
```

Replace the ID attribute value with your field ID. Keep the curly braces!
Replace the Name attribute value with the field’s internal name.

The result should look something like this:

```
<?xml version="1.0" encoding="utf-8"?>
<Elements xmlns="http://schemas.microsoft.com/sharepoint/">
    <ContentType
           ID="0x010100FB13F1ECED65436CBDF92421DD51C4C1"
           Name="MyCoolDemoContentType1”
           Group="MyCoolDemoContentTypeGroup">
        <FieldRefs>
            <FieldRef
                ID="{(Your field GUID here)}”
                Name="MyCoolDemoField1"/>
        </FieldRefs>
    </ContentType>
</Elements>
```

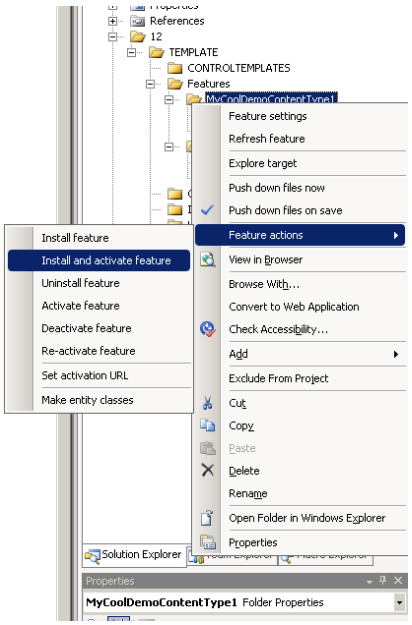
Save and close both Elements.xml and Feature.xml files.

Installing and activating our feature

Select the feature node named “MyCoolDemoContentType1” in the solution explorer and then right click on it to bring the context menu up. Choose Feature actions →Set activation URL and check that you have selected the appropriate URL to activate our content type feature. It should be the URL of your site collection.

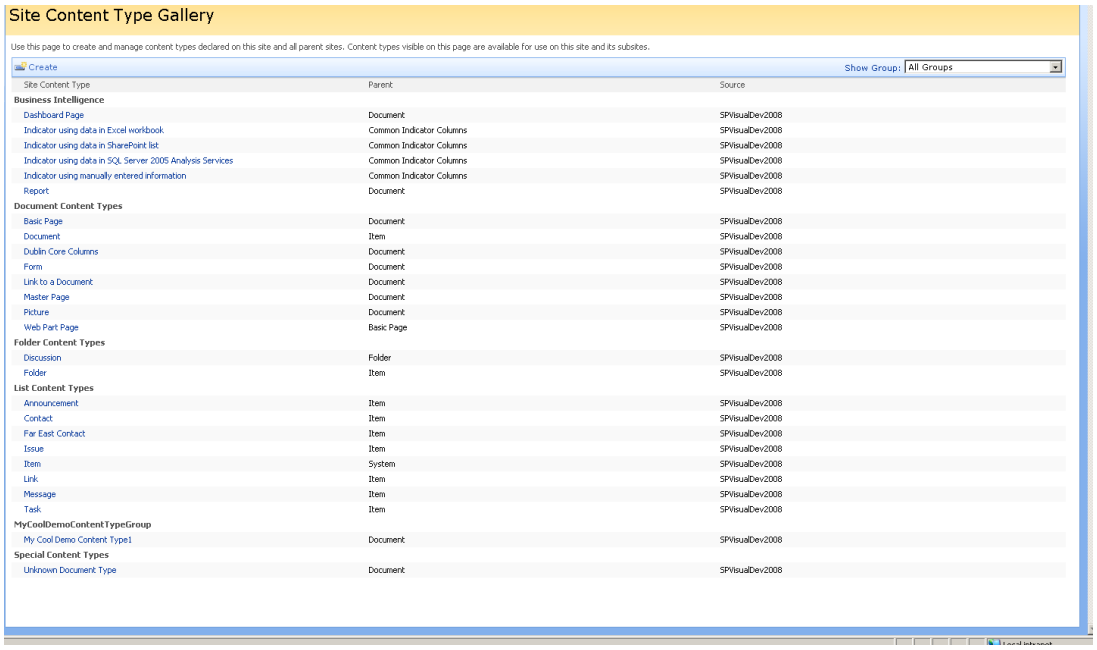
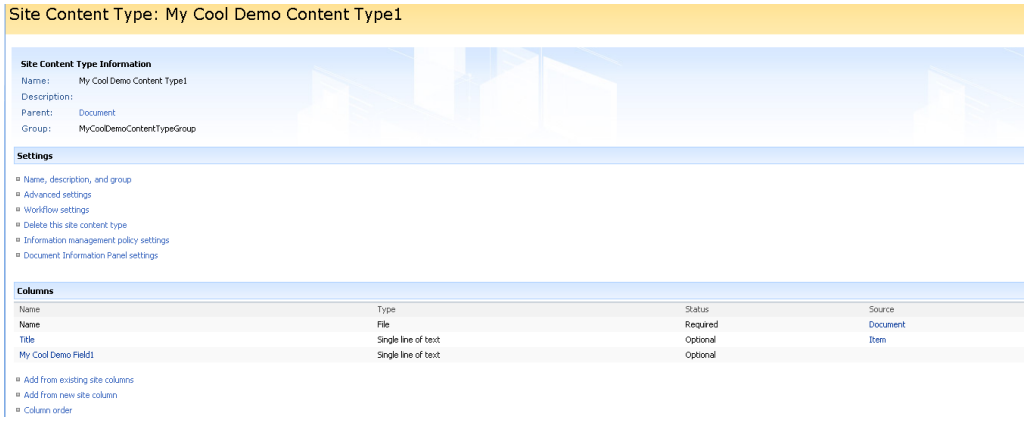
Make sure you can see the output window before we proceed and install the feature.

Right click again on the feature node in solution explorer and choose Feature actions → Install and activate feature. 2 STSADM commands will now run which will install and activate our feature.



In the output window will see when the 2 STSADM commands have been executed. If any error occurred it will show up there.

Now fire up a internet browser and go to your site collection. Go to Site settings and then Site content types. In the list you should find the content type you newly created under the specified group name.



Click on the content type title and verify that our field is assigned to it.