# Office AMS: CSS injection pattern

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| Summary: | Applies to: |
| This sample shows how create content types using CSOM | * Office 365 Multi Tenant (MT) * Office 365 Dedicated (D) * SharePoint 2013 on-premises |
| Solution: | Core.CreateContentTypes, version 1.0 |
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| //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  // THIS CODE IS PROVIDED \*AS IS\* WITHOUT WARRANTY OF  // ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING ANY  // IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR  // PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT.  //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | |

# Introduction

This sample shows how you can create site columns, content types and add then add the site columns to the content type. It will also explain the new localization features that have been introduced in the [SP1 CSOM](http://www.microsoft.com/en-us/download/details.aspx?id=35585) API’s. You can download the updated SP2013 SP1 Client Components SDK from following URL. Notice that the version of the Microsoft.SharePoint.Client.dll has been updated and SP1 version has file version set as 15.0.4569.1000.

# Creation of content types and site columns

Below code snippet shows how to create a content type using the ContentTypeCreationInformation class. Also note that since SP1 you now can set the Id:

ContentTypeCollection contentTypes = web.ContentTypes;

cc.Load(contentTypes);

cc.ExecuteQuery();

foreach (var item in contentTypes)

{

if (item.StringId == "0x0101009189AB5D3D2647B580F011DA2F356FB2")

return;

}

// Create a Content Type Information object

ContentTypeCreationInformation newCt = new ContentTypeCreationInformation();

// Set the name for the content type

newCt.Name = "Contoso Document";

//Inherit from oob document - 0x0101 and assign

newCt.Id = "0x0101009189AB5D3D2647B580F011DA2F356FB2";

// Set content type to be avaialble from specific group

newCt.Group = "Contoso Content Types";

// Create the content type

ContentType myContentType = contentTypes.Add(newCt);

cc.ExecuteQuery();

Using AddFieldAsXml you can add fields to the FieldCollection of a site collection:

FieldCollection fields = web.Fields;

cc.Load(fields);

cc.ExecuteQuery();

string FieldAsXML = @"<Field ID='{4F34B2ED-9CFF-4900-B091-4C0033F89944}' Name='ContosoString' DisplayName='Contoso String' Type='Text' Hidden='False' Group='Contoso Site Columns' Description='Contoso Text Field' />";

Field fld = fields.AddFieldAsXml(FieldAsXML, true, AddFieldOptions.DefaultValue);

cc.Load(fields);

cc.Load(fld);

cc.ExecuteQuery();

Finally the fields need to be linked to the content type which is done by using the FieldLinkCollection and FieldLinkCreationInformation classes as is shown in below sample:

FieldCollection fields = web.Fields;

Field fld = fields.GetByInternalNameOrTitle("ContosoString");

cc.Load(fields);

cc.Load(fld);

cc.ExecuteQuery();

FieldLinkCollection refFields = myContentType.FieldLinks;

cc.Load(refFields);

cc.ExecuteQuery();

foreach (var item in refFields)

{

if (item.Name == "ContosoString")

return;

}

// ref does nt

FieldLinkCreationInformation link = new FieldLinkCreationInformation();

link.Field = fld;

myContentType.FieldLinks.Add(link);

myContentType.Update(true);

cc.ExecuteQuery();

# Localization of content types, List and Site title’s

If needed you can localize the site title and site description using below code sample:

web.TitleResource.SetValueForUICulture("fi-FI", "Kielikäännä minut");

web.DescriptionResource.SetValueForUICulture("fi-FI", "Kielikäännetty saitti");

For a list the same approach can be used to localize the title and description:

list.TitleResource.SetValueForUICulture("fi-FI", "Kielikäännä minut");

list.DescriptionResource.SetValueForUICulture("fi-FI", "Tämä esimerkki näyttää miten voit kielikääntää listoja.");

For content types you have the option to localize the name and description while for the fields you can localize the title and description values:

myContentType.NameResource.SetValueForUICulture("fi-FI", "Contoso Dokumentti");

myContentType.DescriptionResource.SetValueForUICulture("fi-FI", "Tämä on geneerinen Contoso dokumentti.");

fld.TitleResource.SetValueForUICulture("fi-FI", "Contoso Teksti");

fld.DescriptionResource.SetValueForUICulture("fi-FI", "Tää on niiku Contoso metadatalle.");

# References

See <http://blogs.msdn.com/b/vesku/archive/2014/02/28/ftc-to-cam-create-content-types-with-specific-ids-using-csom.aspx> for a movie that shows this sample in action