BCI Integration issue resolution documentation

* I have checked the First web.api project and extract the DLL my local system. Extract DLL software name (JetBrains).
* Two DLL extract

1. Core.Crm.Bci.WebServiceApi
2. Excitation.Crm.Core.Crm2011Helper

* I have change the version .net framework 4.6.2
* Right click in project and then click the manage NuGet package because of the Microsoft.Xrm.Tooling.Connector browse and installed the latest version Microsoft.CrmSdk.XrmTooling.CoreAssembly this tool install for the default class CrmServiceClient.
* Initially they have used basic authentication in code.
* Now I have use the code Oauth2.0 authentication so above all changes needed.
* Also change the **Web.config** file add some parameter like

<add key="AuthType" value="OAuth"/>

<add key="Url" value="https://bci.api.crm4.dynamics.com"/>

<add key="AppId1" value="51f81489-12ee-4a9e-aaae-a2591f45987d"/>

<add key="RedirectUri" value="app://58145B91-0C36-4500-8554-080854F2AC97"/>

* Excitation.Crm.Core.Crm2011Helper: -

In this DLL I have checked this project CrmServiceHelper.cs. This project analysis first then adds the one function. Function name CrmServiceHelper

* Code: I have developed the code Oauth2.0

public CrmServiceHelper(

string authType,

string url,

string userName,

string password,

string appId,

string reDirectURI

)

{

string loginPrompt = "Auto";

string ConnectionString = string.Format("AuthType = {0};Username = {1};Password = {2}; Url = {3}; AppId={4}; RedirectUri={5};LoginPrompt={6}",

authType, userName, password, url, appId, reDirectURI, loginPrompt);

CrmServiceClient conn = new CrmServiceClient(ConnectionString);

this.svc = (IOrganizationService)conn.OrganizationWebProxyClient ??

conn.OrganizationServiceProxy;

}

* I have built the project and update this DLL (Excitation.Crm.Core.Crm2011Helper.dll)
* (Excitation.Crm.Core.Crm2011Helper.dll) This DLL is used Core.Crm.Bci.WebServiceApi project.
* Core.Crm.Bci.WebServiceApi: -
* I have change the version .net framework 4.6.2
* I have added same tooling connector DLL.
* In this DLL I have checked this project (ExntityMethodsSimpleTypes.asmx.cs). I have First analysis which method is use and which connection or authentication is use then I have checked this Class file (CrmDataServices.asmx.cs).
* CrmDataServices.asmx.cs I have found connection method but it is not working so error is throw client side. Function name public CrmServiceHelper CreateClient(bool RethrowException)
* In this function I have change the code pass some parameter define or some parameter assign like (\_authType, \_url, \_userName, \_password, \_applicationId or \_reDirectURI)

Change Code:

public CrmServiceHelper CreateClient(bool RethrowException)

{

CrmServiceHelper client = (CrmServiceHelper) null;

try

{

if (this.\_supplyCred)

{// Add by DevIT

client = new CrmServiceHelper(this.\_authType,this.\_url,this.\_userName,this.\_password,this.\_applicationId, this.\_reDirectURI);

}

else

{// Add by DevIT

client = new CrmServiceHelper(this.\_authType, this.\_url, this.\_userName, this.\_password, this.\_applicationId, this.\_reDirectURI);

}

catch (Exception ex)

{

ExcServer.ErrorWriter(this.\_orgName, ex, nameof (CreateClient), this.connectionString, this.transactId, this.appId, ex.Message);

if (RethrowException)

throw ex;

}

return client;

}

* I have built the project and updated all the DLL files in web.api project in client server.
* .Dll file is follows

Core.Crm.Bci.WebServiceApi.dll

Core.Crm.Bci.WebServiceApi.pdb

Excitation.Crm.Core.Crm2011Helper.dll

Excitation.Crm.Core.Crm2011Helper.pdb

Microsoft.Crm.Sdk.Proxy.dll

Microsoft.Crm.Sdk.Proxy

Microsoft.Xrm.Sdk.dll

* And also ,I have added this DLL Microsoft.Xrm.Tooling.Connector.dll and Microsoft.IdentityModel.Clients.ActiveDirectory.dll because of old project this two DLL is not supported so I have changed the all.
* Testing url: - <https://www.thebci.org/bci_admin/login>
* Username: - [mark.miller@apogeesolutions.co.uk](mailto:mark.miller@apogeesolutions.co.uk)
* Password: - f98Ktk3e6L9GvYA0SDkh
* I have testing some failed job then job re-active but some time is process then working properly