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Online, Offline, OnDemand

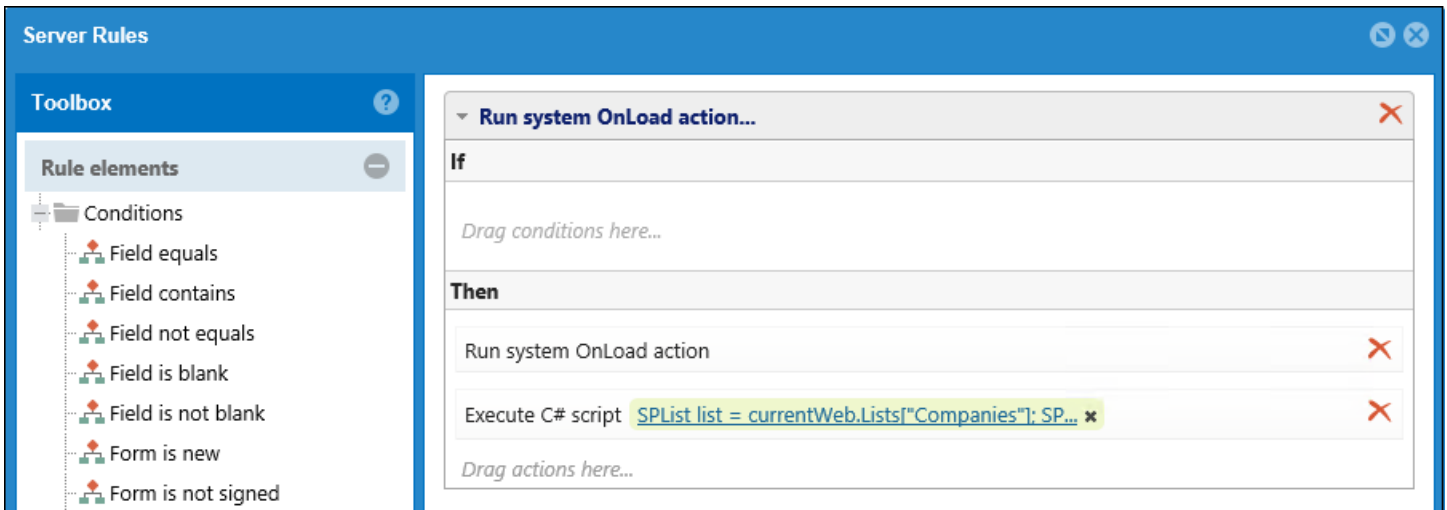
PDF forms and SharePoint are better together

Adding additional references for server-side scripting

This guide will show how to add additional assemblies and namespaces for server-side scripting in SharePoint 2013. Additional references will expand scripting capabilities.

Step 1. Server-side script

Following script is triggered by “Form Load” event (Developer → Form Load)



Code:

```
SPList list = currentWeb.Lists["Companies"];
SPListItemCollection items = list.GetItems("Title");
List<string> myList = new List<string>();
foreach(SPListItem item in items)
{
    myList.Add(item["Title"].ToString());
}

//serialize data
JavaScriptSerializer serializer = new JavaScriptSerializer();
data.resolveNode("MultilineTextField2").Value = serializer.Serialize(myList);
```

Script will load data from the SharePoint list, serialize and save into multiline text field.

Step 2. Compile script

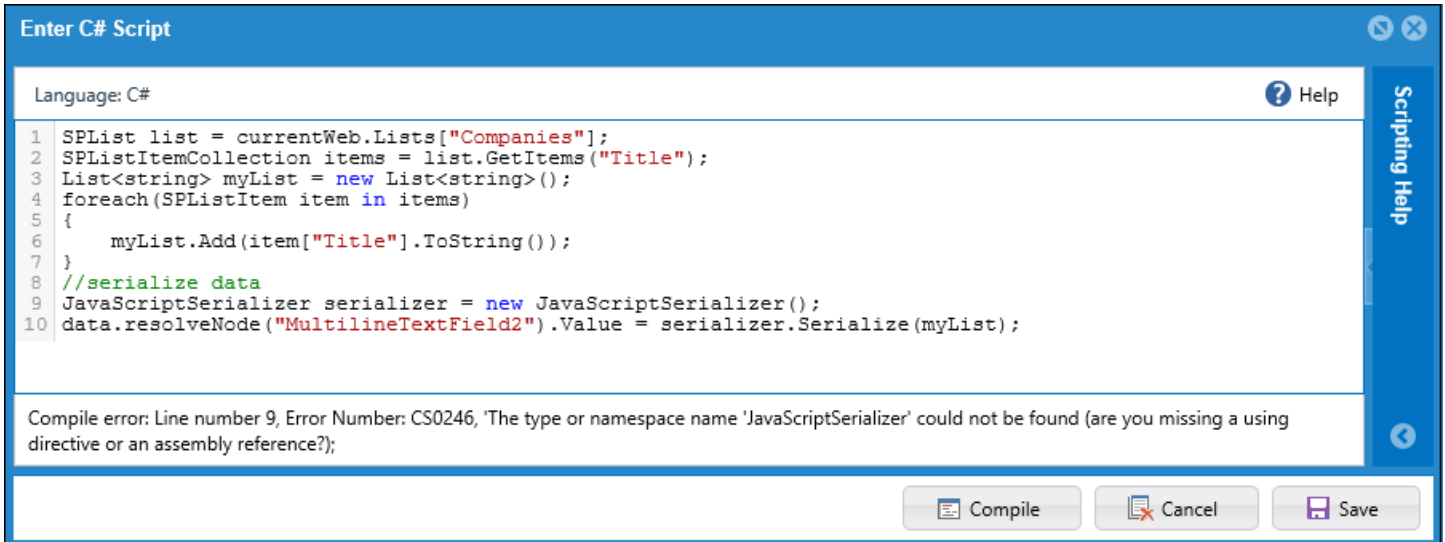
After compilation, you may see errors.

Following script is using two things that need additional references:

```
List<string> myList = new List<string>();
serializer.Serialize(myList);
```

Without adding references for those, you will receive following errors:

For serialization:



```
Enter C# Script
Language: C#
1 SPList list = currentWeb.Lists["Companies"];
2 SPListItemCollection items = list.GetItems("Title");
3 List<string> myList = new List<string>();
4 foreach(SPListItem item in items)
5 {
6     myList.Add(item["Title"].ToString());
7 }
8 //serialize data
9 JavaScriptSerializer serializer = new JavaScriptSerializer();
10 data.resolveNode("MultilineTextField2").Value = serializer.Serialize(myList);

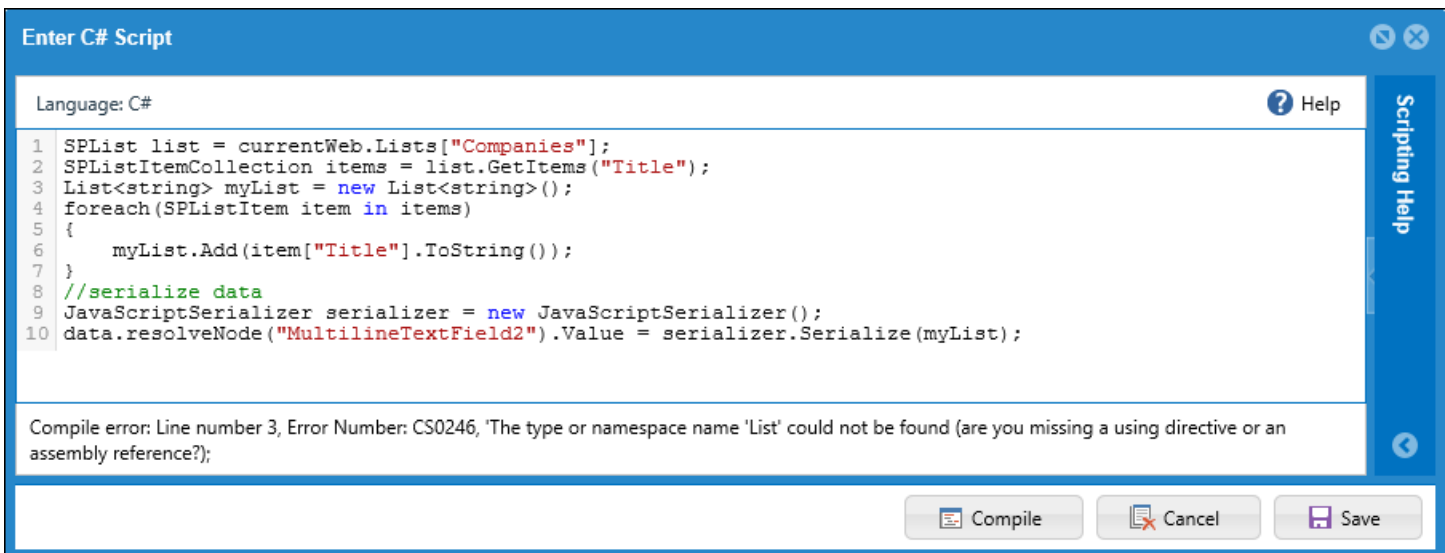
Compile error: Line number 9, Error Number: CS0246, 'The type or namespace name 'JavaScriptSerializer' could not be found (are you missing a using directive or an assembly reference?);

[Compile] [Cancel] [Save]
```

Error:

Compile error: Line number 9, Error Number: CS0246, 'The type or namespace name 'JavaScriptSerializer' could not be found (are you missing a using directive or an assembly reference?);

For list object:



```
Enter C# Script
Language: C#
1 SPList list = currentWeb.Lists["Companies"];
2 SPListItemCollection items = list.GetItems("Title");
3 List<string> myList = new List<string>();
4 foreach(SPListItem item in items)
5 {
6     myList.Add(item["Title"].ToString());
7 }
8 //serialize data
9 JavaScriptSerializer serializer = new JavaScriptSerializer();
10 data.resolveNode("MultilineTextField2").Value = serializer.Serialize(myList);

Compile error: Line number 3, Error Number: CS0246, 'The type or namespace name 'List' could not be found (are you missing a using directive or an assembly reference?);

[Compile] [Cancel] [Save]
```

Error:

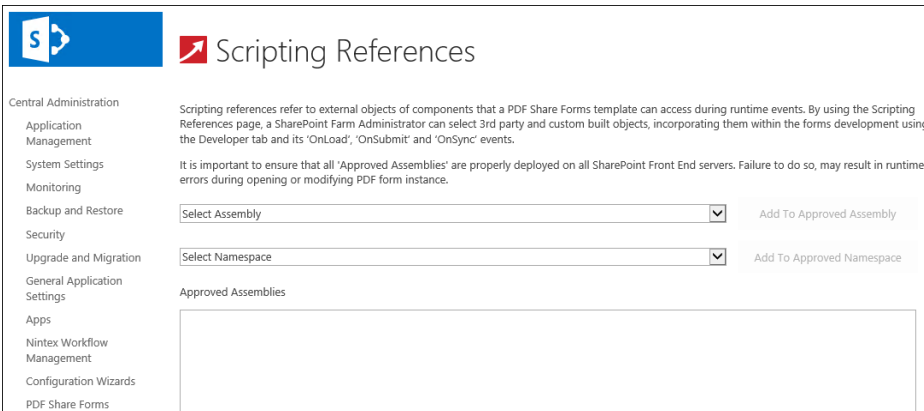
Compile error: Line number 3, Error Number: CS0246, 'The type or namespace name 'List' could not be found (are you missing a using directive or an assembly reference?);



NOTE: Before saving server-side script, click on “Compile” button to check code.

Step 3. Adding references

In order to add reference you need to proceed to SharePoint Central Administration → PDF Share Forms → Scripting Settings:



Here you can add additional references for server-side scripting.

There are two ways to add references:

Select required assembly from dropdown menu and click on “Add To Approved Assembly”. Select required namespace from dropdown and click on “Add To Approved Namespace”. Selected entries will be added to “Approved Assemblies” and to “Approved Namespaces”.

Write down required assemblies and namespaces manually to “Approved Assemblies” and to “Approved Namespaces”.

In this example we will add following assembly:

System.Web.Extensions, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35



And add following namespaces:

System.Web.Script.Serialization
System.Collections.Generic

“Assemblies” field:

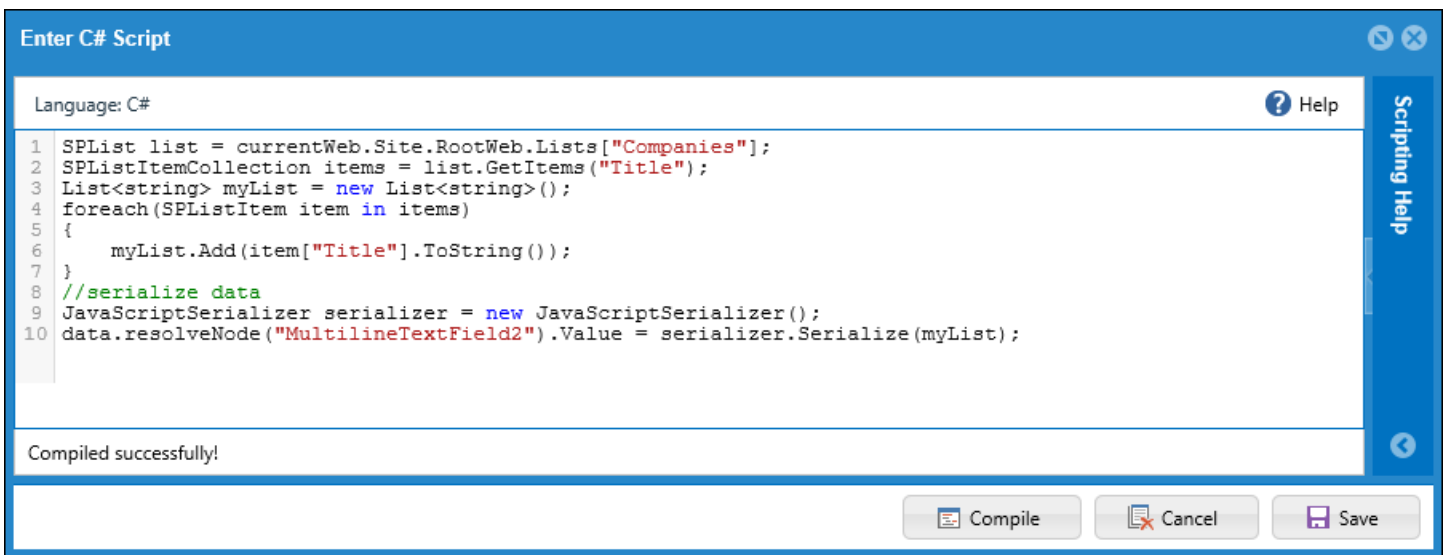
Approved Assemblies
System.Web.Extensions, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35

“Namespaces” field:

Approved Namespaces
System.Web.Script.Serialization System.Collections.Generic

Step 4. When all necessary references will be added, save changes using “Save” button, located at the bottom of this page

Step 5. Compile script again



Enter C# Script

Language: C#

```
1 SPList list = currentWeb.Site.RootWeb.Lists["Companies"];
2 SPListItemCollection items = list.GetItems("Title");
3 List<string> myList = new List<string>();
4 foreach(SPListItem item in items)
5 {
6     myList.Add(item["Title"].ToString());
7 }
8 //serialize data
9 JavaScriptSerializer serializer = new JavaScriptSerializer();
10 data.resolveNode("MultilineTextField2").Value = serializer.Serialize(myList);
```

Compiled successfully!

Compile Cancel Save

Compilation process went well, script can be used now.

NOTE: compilation does not find mistakes in names of fields, SharePoint lists and columns.