



# PDF SHARE FORMS

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## Load data from SharePoint lists using scripting

Product: PDF Share Forms Enterprise for SharePoint 2013

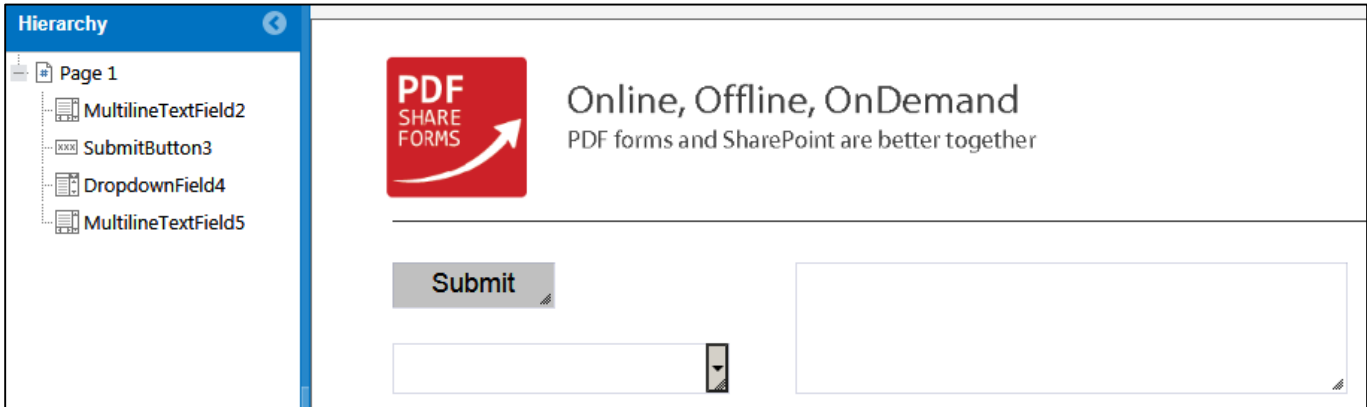
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This guide will show the best way to load data from a SharePoint list to a PDF document. Following approach will show how to load data to multiline text field using serialization. It will reduce form loading time and size.

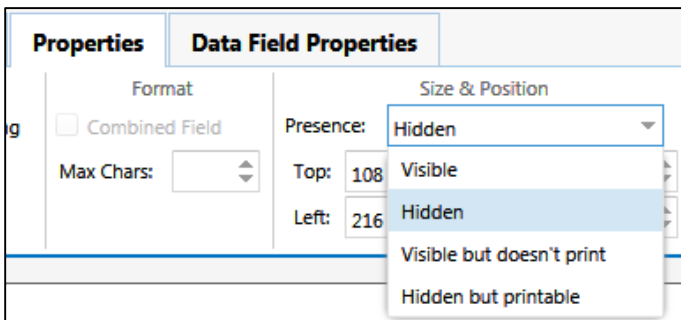
## Static (Acro) Form

### Step 1. Template

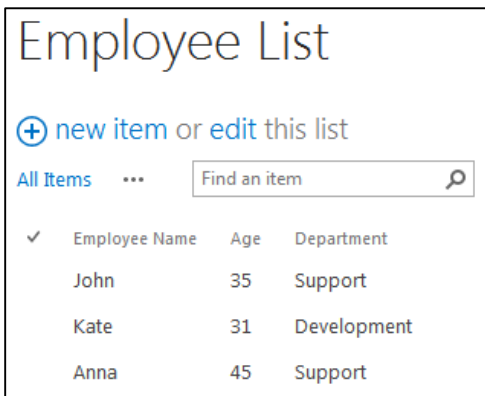


This template has “SubmitButton3”, “MultilineTextField2” for storing data from SharePoint list and “DropDownField4” which will be populated with data from “MultilineTextField2”.

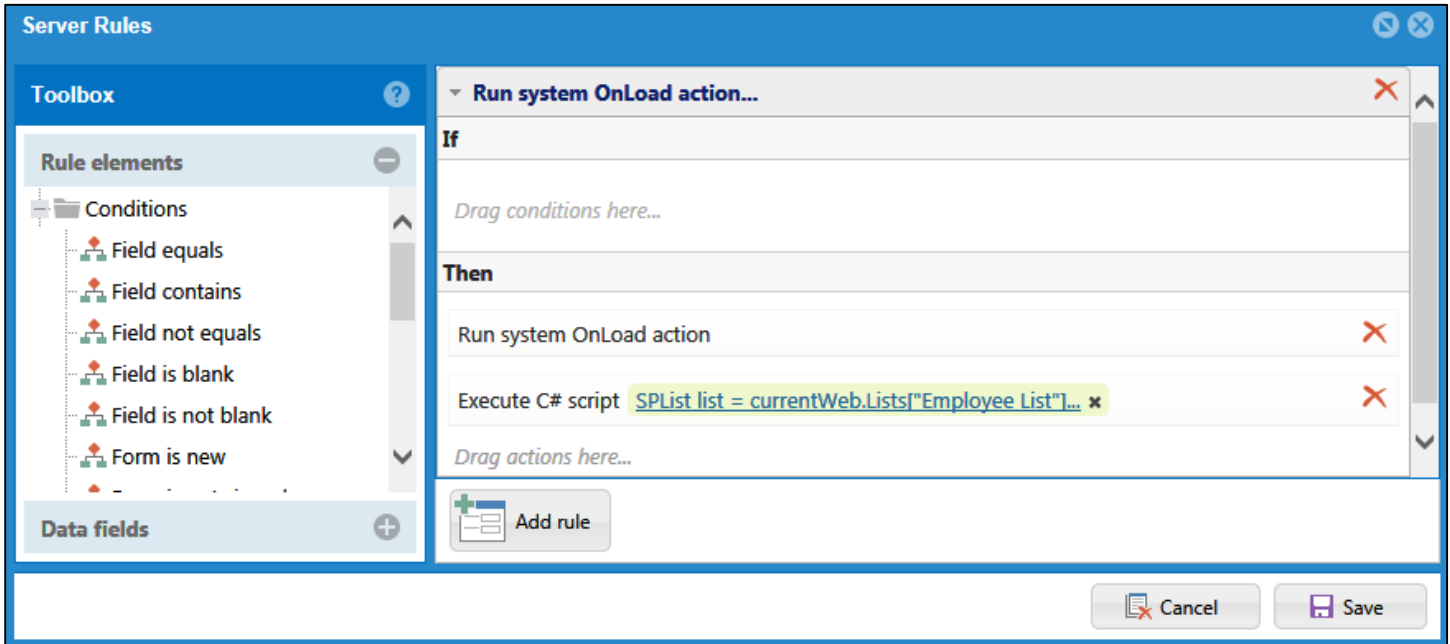
**NOTE:** “MultilineTextField2” must be set to “Hidden”. Choose field → **Properties** → **Presence** → **Hidden**



**NOTE:** This SharePoint list is used in guide



**Step 2.** Add “Form Load” script action (**Developer → Form Load**)



Place “Execute script” action under “Run system OnLoad action”.

**Script:**

```
//list name must be specified
SPList list = currentWeb.Lists["Employee List"];
SPListItemCollection items = list.GetItems("Employee_x0020_Name");
List<string> myList = new List<string>();
foreach(SPListItem item in items) {
    myList.Add(item["Employee_x0020_Name"].ToString());
} //serialize data
JavaScriptSerializer serializer = new JavaScriptSerializer();
data.resolveNode("MultilineTextField2").Value = serializer.Serialize(myList);
```

This code take values from specified list’s Employee Name column and place value into MultilineTextField2.

**NOTE:** In order to add items to the list, there is a need to use column internal names.

To check the internal name of column, complete the following steps:

1. Open “List Settings” rules: **List Tools → List → List Settings.**
2. Select the column you want to check (Employee Name in our case)

Column (click to edit)	Type
Title	Single line of text
<u>Employee Name</u>	Single line of text
Age	Single line of text
Department	Single line of text
Modified	Date and Time
Created	Date and Time
Created By	Person or Group
Modified By	Person or Group

Create column  
 Add from existing site columns  
 Column ordering

3. Check the end of the URL in browser:  
[http://yoursite/ layouts/FldEdit.aspx?List={107C4FEE-C0A0-4E35-9288-590DC25E5F48}&Field=Employee\\_x0020\\_Name](http://yoursite/ layouts/FldEdit.aspx?List={107C4FEE-C0A0-4E35-9288-590DC25E5F48}&Field=Employee_x0020_Name)  
 Where “Field=Employee\_x0020\_Name” is the internal name of column.

**Step 3.** Add “Global JavaScript” (**Developer → Global JavaScript**)

**Script:**

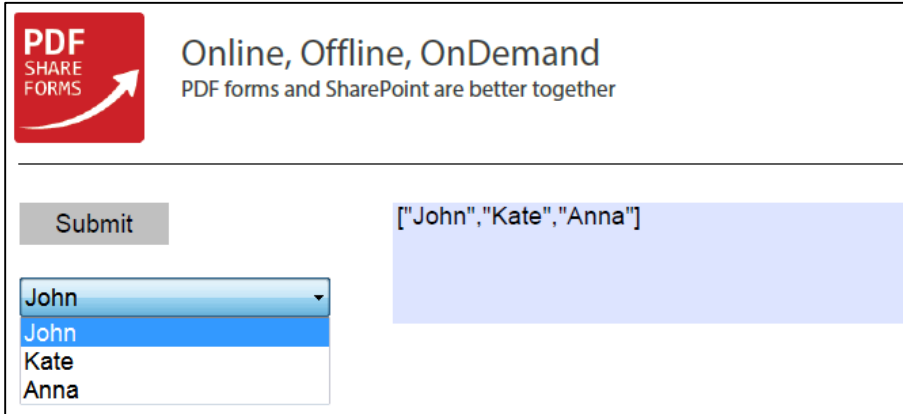
```

var val = this.getField("DropdownField4").value;
eval("var yourdata=" + this.getField("MultilineTextField2").value + ";"");
//Populate data from Companies list to dropdown field if it is empty
var dropdown = this.getField("DropdownField4");
var i = 0;
for(i = 0;i< yourdata.length; i++){
  dropdown.insertItemAt(yourdata[i], yourdata[i], i);
}
this.getField("DropdownField4").value = val;
  
```

This code will populate “DropdownField1” with serialized data from “MultilineTextField2”.

**Step 4.** Save and Deploy template.

**Step 5. Runtime**

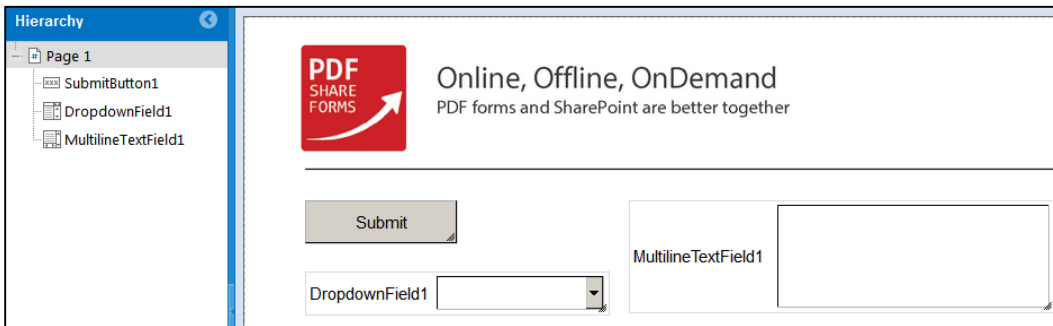


“DropDownField4” is populated with data from SharePoint list. Pay attention how data from list is stored inside “MultilineTextField2”.

**NOTE:** “MultilineTextField2” must be set to “hidden” – it is visible only for demonstration purposes.

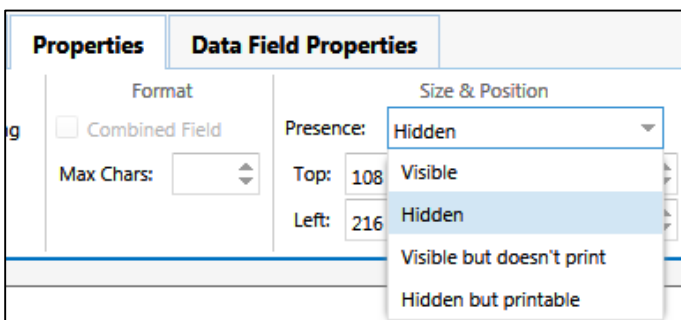
**Dynamic (XFA)**

**Step 1. Template**



This template has “SubmitButton1”, “MultilineTextField1” for storing data from SharePoint list and “DropDownField1” which will be populated with data from “MultilineTextField1”.

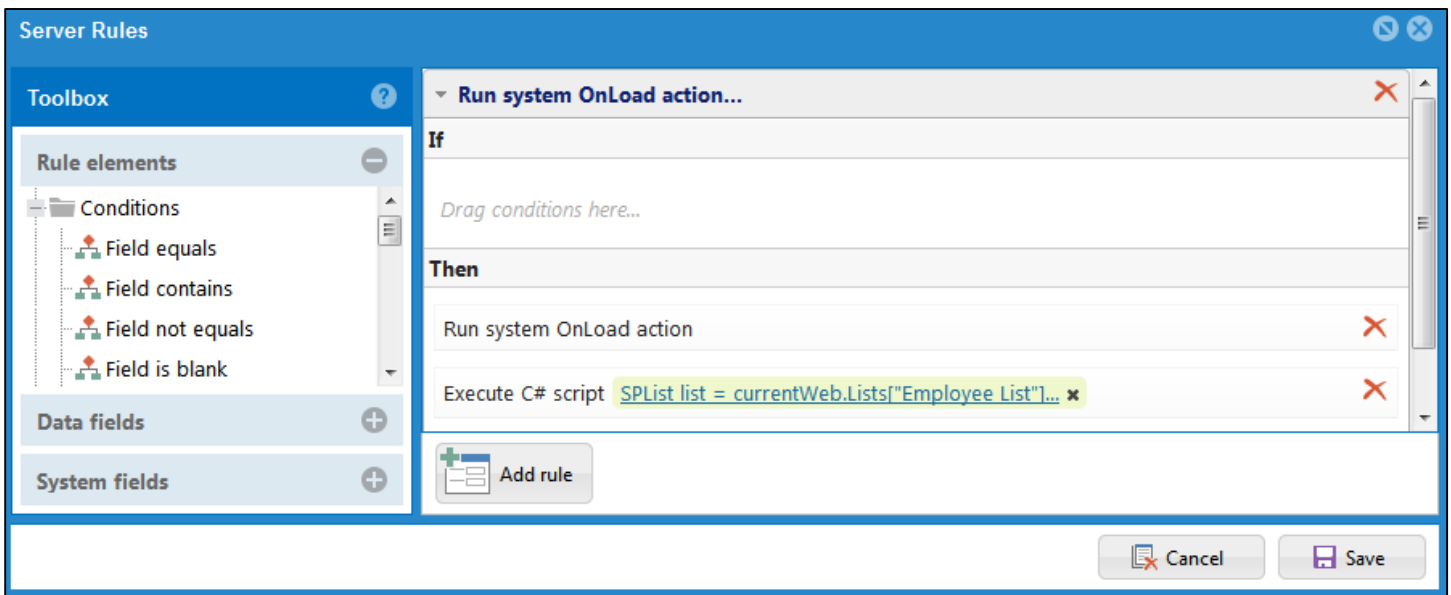
**NOTE:** “MultilineTextField2” must be set to “Hidden”. Choose field → **Properties** → **Presence** → **Hidden**



**NOTE:** This SharePoint list is used in guide

Employee List			
+ new item or edit this list			
All Items	...	Find an item	
✓	Employee Name	Age	Department
	John	35	Support
	Kate	31	Development
	Anna	45	Support

**Step 2.** Add “Form Load” script action (**Developer** → **Form Load**)



**Script:**

```

SPList list = currentWeb.Lists["Employee List"];
SPListItemCollection items = list.GetItems("Employee_x0020_Name");
List<string> myList = new List<string>();
foreach(SPListItem item in items) {
    myList.Add(item["Employee_x0020_Name"].ToString());
} //serialize data
JavaScriptSerializer serializer = new JavaScriptSerializer();
data.resolveNode("MultilineTextField1").value = serializer.Serialize(myList);

```

This code take values from specified list’s Employee Name column and place value into MultilineTextField1.

**NOTE:** In order to add items to the list, there is a need to use column internal names.

To check the internal name of column, complete the following steps:

1. Open “List Settings” rules: **List Tools → List → List Settings.**
2. Select the column you want to check (Employee Name in our case)

Column (click to edit)	Type
Title	Single line of text
<u>Employee Name</u>	Single line of text
Age	Single line of text
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Modified By	Person or Group

Create column  
 Add from existing site columns  
 Column ordering

3. Check the end of the URL in browser:  
[http://yoursite/ layouts/FldEdit.aspx?List={107C4FEE-C0A0-4E35-9288-590DC25E5F48}&Field=Employee\\_x0020\\_Name](http://yoursite/ layouts/FldEdit.aspx?List={107C4FEE-C0A0-4E35-9288-590DC25E5F48}&Field=Employee_x0020_Name)

Where “Field=Employee\_x0020\_Name” is the internal name of column.

**Step 3.** Add “On Form Ready Script” (**Developer → Global Events → On Form Ready Script**)

```
eval("var yourdata=" +xfa.resolveNode('$data..MultilineTextField1').value+ " ");
var dropdown = xfa.resolveNode('$form.Root.Default..DropdownField1');
var i = 0;
if (dropdown.length == 0){
  for(i = 0;i< yourdata.length; i++ ){
    dropdown.addItem(yourdata[i],yourdata[i]);
  }
}
```

This code will populate “DropdownField1” with serialized data from “MultilineTextField1”.

**Step 4.** Save and Deploy template.



Step 5. Runtime

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Submit

DropdownField1

- John
- John
- Kate
- Anna

MultilineTextField1 ["John", "Kate", "Anna"]

“DropdownField1” is populated with data from Employee Name column.