

Dynamic code sample

| Summary | |
|---------------------|--|
| Module | Universal functions |
| Level | Expert (Needs coding skills) |
| Requirements | B1UP 4.0.0.0 or higher (You need to enable advanced development mode in B1UP config) |

Description

We are going to use two function buttons to execute two samples of dynamic code.

The samples are not designed to do anything meaningful but simply give you a heavily documented overview of how to use the dynamic code.

Universal Function – Dynamic Code Configuration 1

Universal Function Configuration

Code: UF-005 Remarks: [Empty]

Name: Generic Dynamic UI sample

Type: Dynamic Code (.NET SDK)

WARNING: Only recommended for developers - All support from Boyum IT A/S on Dynamic Code are considered "Premium" (paid) support!

```
//This is a sample of Dynamic Code - This here is a C# Comment and generally what you can do in C# ..NET 2.0, you can do here.

//C# Syntax is very inforgiving so the smallest error cause build errors. You can always press the Test-compile code below to check validity of
the code (but it does not make it correct usage so you need to test) ... Now make some code :-)

//Hello World (SAP UI) [application = SAPBouiCOM.Application]
application.MessageBox("Hello World");

//You can also WinForms if needed (By adding a reference)
System.Windows.Forms.MessageBox.Show("Hello World from Winforms");

//You also have access to the current form in the SAP Client - Lets us try to load the current the current BP Name (Item 7)
EditText et = (EditText)form.Items.Item("7").Specific;
string name = et.Value;
application.MessageBox("Name is "+name);

//Now lets use the application to open an activity window and move name over
application.ActivateMenuItem("2563");
Form f = application.Forms.ActiveForm;
EditText etRemarks = (EditText)f.Items.Item("53").Specific;
etRemarks.Value = name;
```

References: System.Windows.Forms.dll Using/Imports: [Empty] Language: C#

Variables to use: company [SAPBobsCOM.Company], application [SAPbouiCOM.Application], form [SAPbouiCOM.Form]

Buttons: OK, Cancel, Test compile code, Import, Export

For copy/Paste

```
//This is a sample of Dynamic Code - This here is a C# Comment and generally what you can do in C# ..NET 2.0,
you can do here.
```

```
//C# Syntax is very unforgiving so the smallest error cause build errors. You can always press the Test-compile
code below to check validity of the code (but it does not make it correct usage so you need to test) ... Now
make some code :-)
```

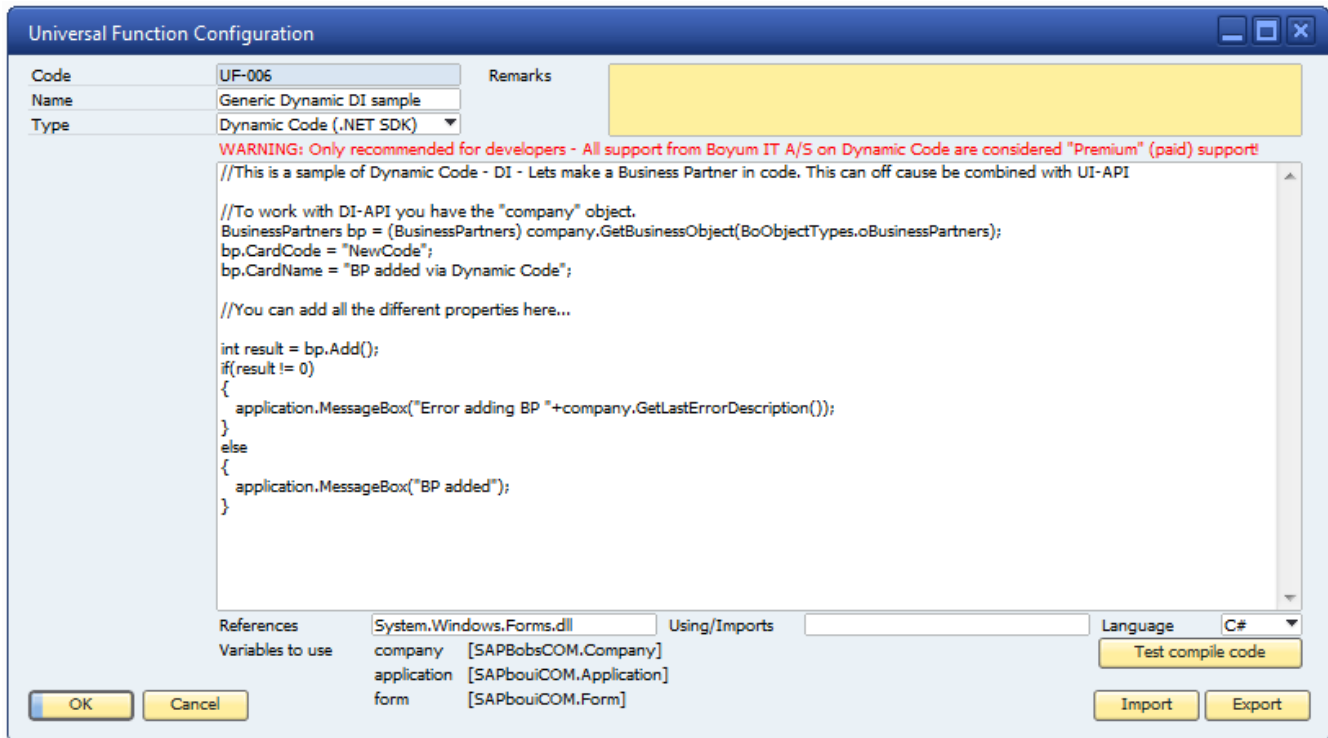
```
//Hello World (SAP UI) [application = SAPBouiCOM.Application]
application.MessageBox("Hello World");

//You can also WinForms if needed (By adding a reference)
System.Windows.Forms.MessageBox.Show("Hello World from Winforms");
//You also have access to the current form in the SAP Client - Lets us try to load the current the current BP
Name (Item 7)

EditText et = (EditText)form.Items.Item("7").Specific;
string name = et.Value;
application.MessageBox("Name is "+name);

//Now let's use the application to open an activity window and move name over
application.ActivateMenuItem("2563");
Form f = application.Forms.ActiveForm;
EditText etRemarks = (EditText)f.Items.Item("53").Specific;
etRemarks.Value = name;
```

Universal Function – Dynamic Code Configuration 2



For copy/paste

```
//This is a sample of Dynamic Code - DI - Lets make a Business Partner in code. This can off cause be combined
with UI-API
```

```
//To work with DI-API you have the "company" object.
BusinessPartners bp = (BusinessPartners) company.GetBusinessObject(BoObjectTypes.oBusinessPartners);
bp.CardCode = "NewCode";
bp.CardName = "BP added via Dynamic Code";

//You can add all the different properties here...

int result = bp.Add();
if(result != 0)
{
    application.MessageBox("Error adding BP "+company.GetLastErrorDescription());
}
else
{
    application.MessageBox("BP added");
}
```

Function Button Configuration

| Code | Formtype | Description | Formwidth | Formheight | Buttonwidth | Users (Empty = All) | Include users | Exclude users |
|--------|----------|------------------------------|-----------|------------|-------------|---------------------|----------------------------------|-----------------------|
| FB-006 | 134 | Business Partner Master Data | 625 | 540 | | | <input checked="" type="radio"/> | <input type="radio"/> |

Buttons (Buttons without name is not shown)

| | Item | Col. | Iden. | Arguments | Universal Function |
|--|--------------------|------|-------|-----------|--------------------|
| 1: Dynamic Code (UI) <input checked="" type="checkbox"/> Find <input checked="" type="checkbox"/> Add <input checked="" type="checkbox"/> OK | Formatted Search | | | | UF-005 |
| 2: Dynamic Code (DI) <input checked="" type="checkbox"/> Find <input checked="" type="checkbox"/> Add <input checked="" type="checkbox"/> OK | Universal Function | | | | UF-006 |

Result

When the two function buttons are pressed the C# code will get executed.