# 2.2. Screens

## <u>Customization Articles for WMS scripting:</u> How to display product image after selecting the item in Picking and Ad-Hoc picking

Screen can be generated by the *ShowScreen* method of the *session* object. There are different types that we can use.

## **Necessary classes:**

Class	Message			
Reference	using Produmex.Foundation.Messages;			
	using Produmex.Foundation.Wwf.Sbo.LocalServic	es;		
	using Produmex.Foundation.SlimScreen;			

## 2.2.1. Message Screen type

## Parameters

Name	Туре	Description
MessageKey	String	Set your message
ShowButton	Bool	-

## Example:

## 2.2.2. Image screen type

## **Parameters collection**

Name	Туре	Description
TitleKey	String	Title of the screen
ImagePath	String	Full path of the picture
MessageKey	String	Message under the screen
ShowButton	Bool	-

#### **Example:**

```
Message msg = null;
session.ShowScreen(typeof(Produmex.Foundation.SlimScreen.Interfaces.ISho
wImageScreen),
    this.DefaultCultureInfo, BuildParamCollection(
        "TitleKey", "Picture of the product",
        "MessageKey", "message under the picture",
        "ImagePath", "<PATH OF THE IMAGE>",
        "ShowButton", true
    ));
    msg = WaitForMessage();
Result:
*
```

## 2.2.3. Enter String Value type

You can capture additional text information on this screen. The captured data can be get from the message object.

The value can be used in the Hookflow for further processing, or if the Hookflow script has an output parameter, then we can put the captured value into the output parameter.

## **Parameters**

Name	Туре	Description
InitialErrorKey	String	n.a. in custom usage
TitleKey	String	Title of the screen
Information	String	Additional information on the screen
Parameters	Object of sting	n.a. in custom usage
AllowToGoBack	Bool	-
ForceDataEntry	Bool	-
AllowMultiLine	Bool	-
MinimumNumberOfCharacters	Int	Minimum number of characters that must be typed

## Example:

The entered text will be used on a message screen.

```
string initialErrorKey = null;
        string FreeText = "";
        Message msg = null;
session.ShowCustomizedScreen(typeof(Produmex.Foundation.SlimScreen.Inter
faces.IEnterStringValueScreen),
                 DefaultCultureInfo.Get(), BuildParamCollection(
                         "InitialErrorKey", initialErrorKey,
                         "TitleKey", "Title of the screen",
                         "Information", "Information text",
                         "Parameters", new object[] { "" },
                         "AllowToGoBack", true,
                         "ForceDataEntry", true,
                         "AllowMultiLine", true,
                         "MinimumNumberOfCharacters", 5
                         ),
                     WorkflowId,
nameof(PickingScript Screens.EnterStringValueScreen1));
        msg = WaitForMessage();
        if (msg.Name.EndsWith(".StringEntered"))
        {
             FreeText = ExtractParameter<string>(msg.Parameters,
"stringValue");
        }
        msg = null;
session.ShowScreen(typeof(Produmex.Foundation.SlimScreen.Interfaces.ISho
wMessageScreen),
        this.DefaultCultureInfo, BuildParamCollection(
             "MessageKey", "Entered text: " + FreeText,
             "ShowButton", true
        ));
        msg = WaitForMessage();
Result:
×
                                     ×
```

3/6

## 2.2.4. Select Product Screen type

You can create an item list in a DataSet object to select an item from a list. The captured data can be get from the message object.

The value can be used in the Hookflow for further processing, or if the Hookflow script has an output parameter, then we can put the captured value into the output parameter.

#### **Parameters**

Last update: 2025/04/22 implementation:wms:wms\_scripting\_site:screen https://wiki.produmex.name/doku.php?id=implementation:wms:wms\_scripting\_site:screen 14:24

Name	Туре	Description
InitialErrorKey	String	n.a. in custom usage
TitleKey	String	Title of the screen
Information	String	Additional information on the screen
Parameters	Object of sting	n.a. in custom usage
AllowToGoBack	Bool	-
ForceDataEntry	Bool	-
AllowMultiLine	Bool	-
MinimumNumberOfCharacters	Int	Minimum number of characters that must be typed

#### Example:

The selected item will be used on a message screen.

string initialErrorKey = null; string FreeText = ""; Message msg = null; DataSet dsItems = null;

string query = "SELECT DISTINCT PMX OITMANAGED BY PMX.ItemCode AS ProductCode, PMX OITMANAGED BY PMX.U PMX CUDE AS ProductDescription, PMX OITMANAGED BY PMX.CodeBars AS GTIN, PMX OITMANAGED BY PMX.U PMX HBBD, PMX OITMANAGED BY PMX.U PMX PILR, PMX OITMANAGED BY PMX.ManBtchNum, PMX OITMANAGED BY PMX.U PMX LOUN, PMX OITMANAGED BY PMX.NumInBuy, PMX OITMANAGED BY PMX.BuyUnitMsr, PMX OITMANAGED BY PMX.InvntryUom, PMX OITMANAGED BY PMX.CodeBars AS CodeBars, PMX OITMANAGED BY PMX.ItemName FROM PMX OITMANAGED BY PMX WITH (NOLOCK) WHERE PMX\_OITMANAGED\_BY\_PMX.InvntItem = 'Y' AND PMX OITMANAGED BY PMX.InvntItem = 'Y' AND NOT ( PMX OITMANAGED BY PMX.frozenFor = 'Y' AND ( ( PMX OITMANAGED BY PMX.frozenFrom IS NULL OR CURRENT TIMESTAMP >= PMX OITMANAGED BY PMX.frozenFrom ) AND ( PMX OITMANAGED BY PMX.frozenTo IS NULL OR CURRENT TIMESTAMP < DATEADD( day, 1, PMX OITMANAGED BY PMX.frozenTo ) ) ) ORDER BY ProductDescription";

```
dsItems = sboProviderService.RunView(false, null, null, query);
session.ShowCustomizedScreen(typeof(Produmex.Foundation.SlimScreen.Inter
faces.ISelectProductScreen),
```

```
DefaultCultureInfo.Get(), BuildParamCollection(
    "InitialErrorKey", initialErrorKey,
    "TitleKey", "Title of the screen",
        "ProductDS", dsItems
        ),
WorkflowId,
        nameof(ChecksScript_Screens.SelectProductScreen1));
msg = WaitForMessage();
    if (msg.Name.EndsWith(".ProductSelected"))
```

```
https://wiki.produmex.name/
```

{

```
FreeText = ExtractParameter<string>( msg.Parameters,
"itemCode" );
    }
    msg = null;
session.ShowScreen(typeof(Produmex.Foundation.SlimScreen.Interfaces.ISho
wMessageScreen),
    this.DefaultCultureInfo, BuildParamCollection(
        "MessageKey", "Entered text: " + FreeText,
        "ShowButton", true
    ));
    msg = WaitForMessage();
Result:
```

×

5/6

## 2.2.5. Yes/No question Screen type

## Parameters

Name, Type, Description TitleKey, String, Name of the screen MessageKey, String, question string

## Example:

```
Message msg = null;
session.ShowCustomizedScreen(typeof(Produmex.Foundation.SlimScreen.Interface
s.IDecisionScreen),
DefaultCultureInfo.Get(), BuildParamCollection(
"TitleKey", "Title of the screen",
"MessageKey", "Do you want to continue?"),
WorkflowId,
nameof(ReceptionScript Screens.DecisionScreen22));
msg = WaitForMessage();
if (msg.Name.EndsWith(".Yes"))
{
// goto Step_ClearDataBeforeNextItem;
}
if (msg.Name.EndsWith(".No"))
{
BackRequested.Set(true);
}
```

Last update: 2025/04/22 14:24

From: https://wiki.produmex.name/ - **Produmex** 

Permanent link: https://wiki.produmex.name/doku.php?id=implementation:wms:wms\_scripting\_site:screen

Last update: 2025/04/22 14:24

