

# ARF Quick Start Guide

Deployment, Development & Guidance

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## Download the WSP

Visit <http://www.spworks.co.uk/downloads/latest.aspx> to download the latest version of ARF.

Once downloaded you need to add the solution to SharePoint using STSADM.

```
STSADM -o AddSolution -filename c:\download\ARF.Solution.wsp
```

The solution will now be added to SharePoint and can be deployed through central administration.

## Deploy the solution

Open Central Administration and select 'Operations'.

Central Administration

Home **Operations** Application Management

Central Administration > Operations

### Operations

This page contains links to pages that help you manage your server or server farm, such as changing the server farm topology, on each server, and changing settings that affect multiple servers or applications.

- Topology and Services**
  - Servers in farm
  - Services on server
  - Outgoing e-mail settings
  - Incoming e-mail settings
  - Approve/reject distribution groups
- Global Configuration**
  - Timer job status
  - Timer job definitions
  - Alternate access mappings
  - Manage farm features
  - Solution management**
- Security Configuration**
  - Service accounts
  - Information Rights Management
  - Antivirus
  - Blocked file types
- Backup and Restore**
  - Perform a backup
  - Backup and restore history
  - Restore from backup
  - Backup and restore job status

Select 'Solution Management' and the ARF solution should be listed.

Operations Application Management

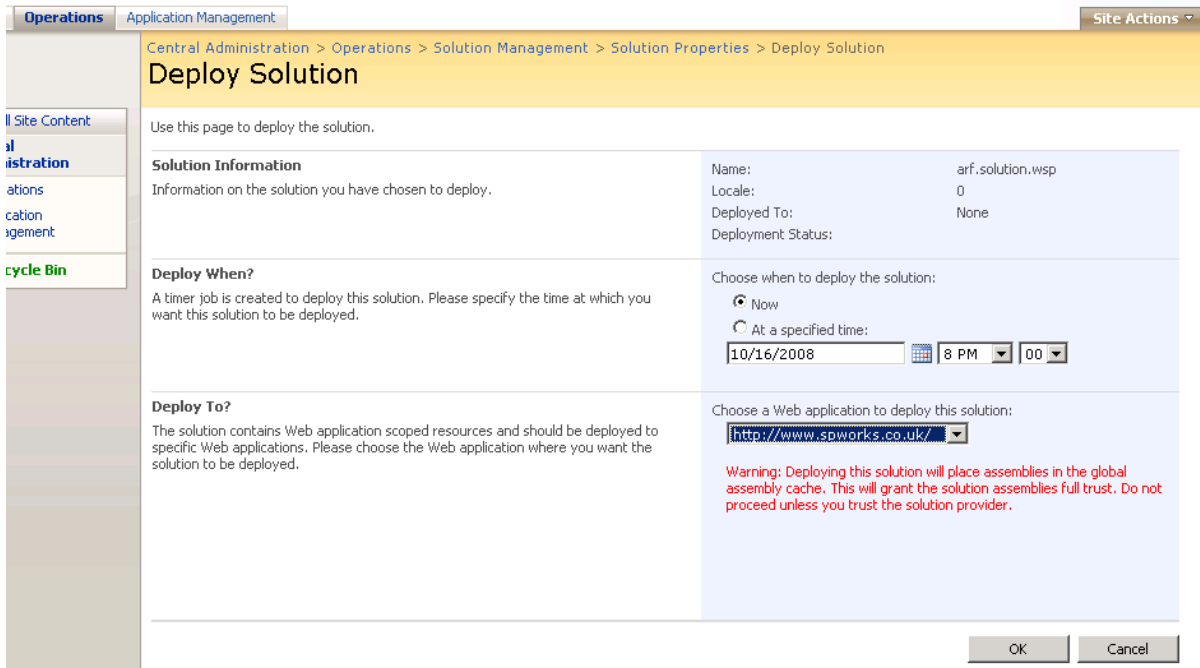
Central Administration > Operations > Solution Management

### Solution Management

This page has a list of the Solutions in the farm.

Name	Status	Deployed To
arf.solution.wsp	Not Deployed	None
cks.ebe.wsp	Deployed	Globally deployed.
cksewe.wsp	Deployed	<a href="http://blog.thekid.me/">http://blog.thekid.me/</a>
radeditormoss.wsp	Not Deployed	None

Clicking on the solution will allow you to deploy ARF.



Choose the Web Application to which you wish to deploy the solution and click OK.


Name	Status	Deployed To
arf.solution.wsp	Deployed	http://www.spworks.co.uk/

You should now see the solution deployed.


## Activate the feature

Once the solution has been deployed you will be available to be activated on your Site Collection.

### Site Collection Features

Name	Status
 <b>ARF Feature</b> Alternative Rendering Framework for SharePoint - by Vincent Rothwell	<input type="button" value="Activate"/>

### Site Collection Features

Name	Status
 <b>ARF Feature</b> Alternative Rendering Framework for SharePoint - by Vincent Rothwell	<input type="button" value="Deactivate"/> <input type="button" value="Active"/>

Once activated, you will find a new SharePoint list, a new document library and a new column.

## QueryList

The QueryList is added so that CAML queries can be defined globally and re-used throughout the site. This gives both layout developers and authors the ability to choose a predefined query and for that query to be modified globally if and when required.

## XSL Library

The XSL library stores all the XSL used by the ARF controls. This is where you would add your new XSL to produce your desired layout.

A number of sample XSL files are also installed to help you get your site underway.

## ARF Properties Column

Some of the ARF controls use this column to store settings. This allows authors to change settings for the controls without you having to add another column to store them in.

This column should be added to your base layout or any layout which uses the ARF controls.

## Using your first control

Once the feature is activated you can modify your layout to use the control. Open SharePoint designer and open the layout you wish to use.

Register the ARF controls...

```
<% Register Tagprefix="ARF" Namespace="ARF.Web.Controls" Assembly="ARF, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
```

```
<% Register Tagprefix="ARFPub" Namespace="ARF.Publishing.Web.Controls" Assembly="ARF.Publishing, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
```

```
<% Register Tagprefix="ARFField" Namespace="ARF.Web.Fields" Assembly="ARF, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
```

```
1 <% Page language="C#" MasterPageFile="~/site/catalogs/masterpage/blueband.master" Inherits="ARF.Publishing.Web.Controls.ARFPublishingPage, ARF.Publishing, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
2 <% Register Tagprefix="SharePointWebControls" Namespace="Microsoft.SharePoint.WebControls" Assembly="Microsoft.SharePoint, Version=12.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
3 <% Register Tagprefix="WebPartPages" Namespace="Microsoft.SharePoint.WebPartPages" Assembly="Microsoft.SharePoint, Version=12.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
4 <% Register Tagprefix="PublishingWebControls" Namespace="Microsoft.SharePoint.Publishing.WebControls" Assembly="Microsoft.SharePoint.Publishing, Version=12.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
5 <% Register Tagprefix="PublishingNavigation" Namespace="Microsoft.SharePoint.Publishing.Navigation" Assembly="Microsoft.SharePoint.Publishing, Version=12.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
6 <% Register Tagprefix="SharePoint" Namespace="Microsoft.SharePoint.WebControls" Assembly="Microsoft.SharePoint, Version=12.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
7
8 <% Register Tagprefix="ARF" Namespace="ARF.Web.Controls" Assembly="ARF, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
9 <% Register Tagprefix="ARFPub" Namespace="ARF.Publishing.Web.Controls" Assembly="ARF.Publishing, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
10 <% Register Tagprefix="ARFField" Namespace="ARF.Web.Fields" Assembly="ARF, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
11
12 <asp:Content ContentPlaceHolderID="PlaceHolderAdditionalPageHead" runat="server">
13 <PublishingWebControls:editmodepanel runat="server" id="editmodestyles">
14 <!-- Styles for edit mode only -->
15 <SharePointWebControls:CssRegistration name="<% $SPUrl:~sitecollection/Style Library/~language/Core Styles/zz2_editMode.css %>" runat="server" id="editmodestyles">
16 </PublishingWebControls:editmodepanel>
17 <SharePointWebControls:CssRegistration name="<% $SPUrl:~sitecollection/Style Library/~language/Core Styles/rca.css %>" runat="server"/>
18 <SharePointWebControls:FieldValue id="PageStylesField" FieldName="HeaderStyleDefinitions" runat="server"/>
19 </asp:Content>
20 <asp:Content ContentPlaceHolderID="PlaceHolderPageTitle" runat="server">
21 <SharePointWebControls:FieldValue id="PageTitle" FieldName="Title" runat="server"/>
22 </asp:Content>
23 <asp:Content ContentPlaceHolderID="PlaceHolderPageTitleInTitleArea" runat="server">
24 <SharePointWebControls:TextField runat="server" id="TitleField" FieldName="Title"/>
25 </asp:Content>
```

This will allow you to use the ARF controls on your page. Find the content placeholder 'PlaceHolderMain' and add the following...

```
<ARF:SiteQuery runat="server"
  ServerTemplate="850"
  Webs="<Webs Scope='SiteCollection' />"
  Query="<Where><Gt><FieldRef Name='ID' /><Value Type='Number'>0</Value></Gt></Where>"
  Xsl-XslName="xml.xsl"/>
```

Save the layout and navigate to a page created with that layout. You should see a text box containing the created XML.

Version: Checked Out Status: Only you can see and modify this page. Publication Start Date: Immediately

Page | Workflow | Tools | Edit Page | Check In to Share Draft | Submit for Approval | Publish

Remember to check in so other people can see your changes. (Do not show this message again)

**ARF Testing**

Press Releases | left

ARF Testing > left

**Lists**  
Calendar  
**Press Releases**  
left

**left**

```
<rows>
  <row>
    <ListId>535C0F5A-33CA-4B6A-9BE6-7FA1C9F87B6D</ListId>
    <WebId>E2C6C6C4-22B5-455C-B727-C33BEA14344D</WebId>
    <ID>1</ID>
    <Title>Press Releases</Title>
    <FileRef>1;#PressReleases/Pages/default.aspx</FileRef>
    <ContentType>Welcome Page</ContentType>
  </row>
</rows>
```

This is the XML produced by ARF and you can now apply some more useful XSL to the XML. Change the control to use 'default.xsl' instead of 'xml.xsl'.

You should now see a list of links as below

Version: Checked Out Status: Only you can see and modify this page. Publication Start Date: Immediately

Page | Workflow | Tools | Edit Page | Check In to Share Draft | Submit for Approval | Publish

Remember to check in so other people can see your changes. (Do not show this message again)

**ARF Testing**

Press Releases | left | Test | vince

ARF Testing > left

**Lists**  
Calendar  
**Press Releases**  
left

**left**

- [Press Releases](#)
- [Home](#)
- [left](#)
- [vince](#)

## Using other ARF controls

Some controls, like the VisibilityPanel, require the ARF Properties column to be added to the content type. Once this is added you can use this controls when authoring the page.

## Add the column to your content types

In order to use this additional functionality you will need to ensure that the 'ARF Properties' column is added to your content types. You can achieve this by adding the column to the 'Page' content type, or your base content type.

To do this you need to go to your site collection settings and select 'Content Types'. Choose the content type to which you wish to add 'ARF Properties' and select add from existing site columns.

ARF Testing > Site Settings > Site Content Type Gallery > Site Content Type > Add Columns

### Add Columns to Site Content Type: Page

Use this page to add site columns to this site content type.

#### Select Columns

Select from the list of available site columns to add them to this content type.

Select columns from: ARF

Available columns:

Columns to add: ARF Properties

Add >

< Remove

Column Description: None

Group: ARF

#### Update List and Site Content Types

Specify whether all child site and list content types using this type should be updated with the settings on this page. This operation can take a long time, and any customizations made to these values on the child site and list content types will be lost.

Update all content types inheriting from this type?

- Yes
- No

OK

Cancel

Once added you should see it listed in your content type.

Columns			
Name	Type	Status	Source
Name	File	Required	Document
Title	Single line of text	Optional	Item
Description	Multiple lines of text	Optional	System Page
Scheduling Start Date	Publishing Schedule Start Date	Optional	System Page
Scheduling End Date	Publishing Schedule End Date	Optional	System Page
Contact	Person or Group	Optional	System Page
Contact E-Mail Address	Single line of text	Optional	System Page
Contact Name	Single line of text	Optional	System Page
Contact Picture	Hyperlink or Picture	Optional	System Page
Rollup Image	Publishing Image	Optional	System Page
Target Audiences	Audience Targeting	Optional	System Page
PageMultiLookup	Lookup	Optional	
ARF Properties	Multiple lines of text	Optional	

## Add the ARFProperties field control

In order to use the 'ARF Properties' column, it's required that the ARFProperties field control is added to your master page. First register the ARF controls.

```
<% Register Tagprefix="ARF" Namespace="ARF.Web.Controls" Assembly="ARF, Version=1.0.0.0, Culture=neutral, PublicKeyToken=fed9cbb14b1dc0f0" %>
```

Then add the following line just after your SPWebPartManger control.

```
<ARFField:ARFProperties runat="server"/>
```

```

31 <SharePoint:ScriptLink name="init.js" runat="server"/>
32 <!--Placeholder for additional overrides-->
33 <asp:ContentPlaceholder id="PlaceholderAdditionalPageHead" runat="server"/>
34 </head>
35 <body class="body" onload="javascript: _spBodyOnLoadWrapper();">
36 <WebPartPages:SPWebPartManager runat="server"/>
37 <ARFField:ARFProperties runat="server"/>
38 <form runat="server" onsubmit="return _spFormOnSubmitWrapper();">
39 <table cellpadding="0" cellspacing="0" class="master">
40 <tr>
41 <td height="100%" class="shadowLeft">
42 <div class="spacer">
43 </div>
44 </td>
45 <td valign="top">
46 <table cellpadding="0" cellspacing="0" width="100%" class="masterContent">
47 <tr style="height:0px"><td>
48 <wssuc:DesignModeConsole id="IdDesignModeConsole" runat="server"/></td></tr>
49 </table>

```

The ARF controls will now work as expected.

## Testing the ARFProperties

Once the above changes have been made you can test one of the ARF controls which uses the properties. Below is an example of use the visibility container control.

```

<ARF:VisibilityPanel runat="server" id="idQueryVisibility">
  <ARF:SiteQuery runat="server"
    ServerTemplate="850"
    Webs="<Webs Scope='SiteCollection' />"
    Query="<Where><Gt><FieldRef Name='ID' /><Value Type='Number'>0</Value></Gt></Where>"
    Xsl-XslName="xml.xsl"/>
</ARF:VisibilityPanel>

```

ARF Testing > left

The screenshot shows a web interface for testing ARF controls. On the left, there is a sidebar with a 'Lists' section containing 'Calendar', 'Press Releases', and 'left'. The 'left' list is selected. On the right, there is a 'Title' field with the value 'left'. Below the title field, there is a 'Visible:' checkbox which is checked. Underneath, there is a list of items: 'Press Releases', 'Home', 'left', and 'vince'.

This will allow the page author to decide if that section (anything contained in the panel) is visible or not. Allowing the layout designer to decide on the format of the page, but providing the author some flexibility in what is exactly displayed.

The ID of the panel is important as this is what ARF uses to store the values chosen by the authors.