Implement an Adobe Digital Publishing Suite storefront in Experience Manager - L709

AEM Hosted DPS Storefront Documentation

This documentation will go through the whole process of installing a Digital Publishing Suite storefront that can be managed via the Adobe Experience Manager.
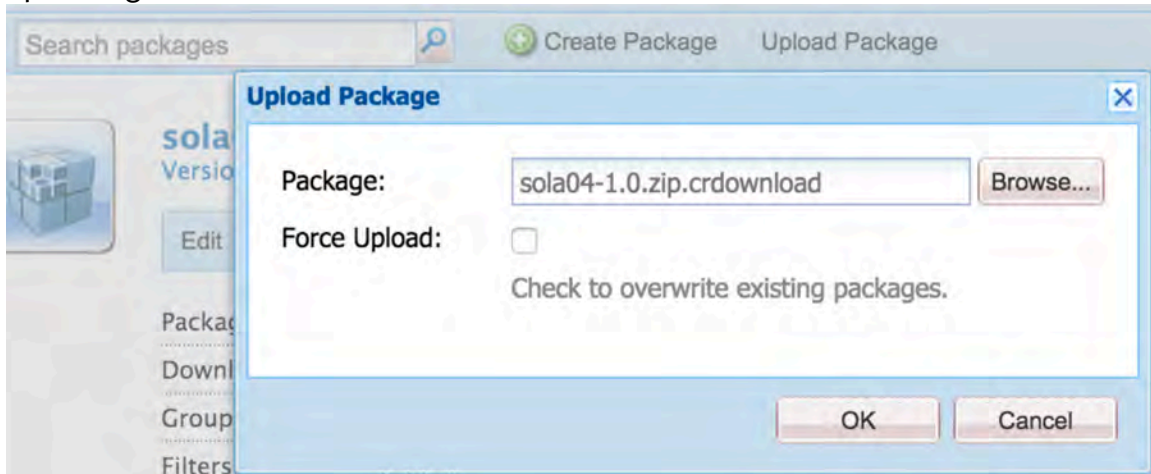
Requirements:
- Have AEM (author, publish, dispatcher) installed and running on a machine
- DPS app builder installed
- Sola04-1.2.zip package file provided by Ensemble Systems Inc. (AEM Package for the Storefront)
- DPS Storefront.zip (For the DPS App)
- CQ-Package-1.0.zip (For the Entitlement Server)

Note, if running on a local machine, this is the URL to be used to access the AEM Author instance:
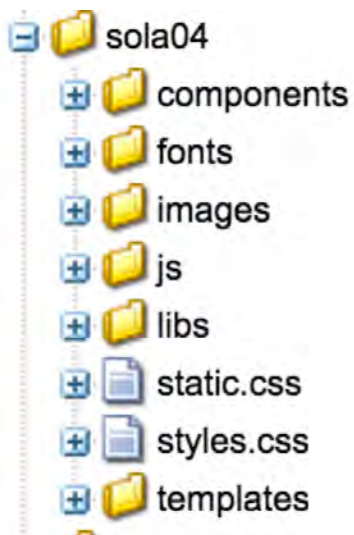
http://localhost:4502/

Uploading the Package to your AEM

1. Go to AEM Package Manager located at
http://localhost:4502/crx/packmgr/index.jsp.
2. Click on 'Upload Package', select the "Sola04-1.0.zip" package and complete
uploading.

The files should now appear under
http://localhost:4502/crx/de/index.jsp#/apps/sola04. The site will consist of four
components (http://localhost:4502/crx/de/index.jsp#/apps/sola04/components/):

contentpage – This component is the component that you will on the main page of the
site. It will house the slideshow and logo components as well as display the DPS folios.
The contentpage uses 'parsys' components from 'foundation/components/parsys' to
allow customization of the logos and slideshow components whereby users are able
to select which images to display in the slideshow and the logo.

dps – This component simply contains the 'wrapper' div that will be used to house the
folios when the site is loaded using the DPS app builder. This component will not

display anything when loaded on the browser as it requires the adobeLibraryApi to be loaded for the folios to show. The container will load on an iPad.

imagemultifield – The imagemultifield is the slideshow that is shown on the upper half of the template. It will be what the user will use to show images in a slideshow fashion. When initialized on the page, users can double click on the section to customize what and how many images to display. Users can only drag and drop images from the DAM so images to be used must be uploaded to the AEM DAM (Digital Asset Management - http://localhost:4502/damadmin)

logo – The logo component is what the user will use to add/customize the logo that will show on top of the slideshow. It is similar to the imagemultifield however it can only have one image to display. Users can only drag and drop images from the DAM so images must be uploaded to the AEM DAM so that it may be drag and drop for displaying.

Users can modify the components by simply editing and modifying the .jsp files included in the specific component sections.

Modifying Other Files

Any further customization may be done through the editing of several .css files. The */apps/sola04/static.css* is responsible for styling the contentpage content such as the sizing of the parsys and background coloring and */apps/sola04/styles.css* contains styling for the folios section.

The /apps/sola04/images folder contain several images for use on the page.

The */apps/sola04/js* folder contains all manners of javascript files. The main file that can be configured and modified is the */apps/sola04/js/view/AppView.js* file which is used to render the folio items for the bottom half of the page. The */apps/sola04/js/view/dialogs* folder contains the script that controls the dialogs such as login and preview dialogs found in the folios.

Configuration of Fulfillment URL

The preview image of the folios are taken from the fulfillment URL so it is important that the config file found at */apps/sola04/js/config.js* is configured to point to the correct fulfillment URL.

```
// Used to get the folios when testing on the desktop since the API is not available.
// The value after "accountId=" should be updated with the publisher account id.
// To get your account id go to http://lighthouse.adobe.com/dps/entitlement/.
// The actual URL for the fulfillment xml is http://edge.adobe-dcfs.com/ddp/issueServer/issues?accountId=,
// but Safari 6 does not allow x-domain requests from local files anymore so a proxy has been created
// with a CORS header to allow access from local files.
FULFILLMENT_URL: "http://www.dpsapps.com/dps/v2_library_store_templates/fulfillment_proxy.php?accountId=af0124ea-d0a3-50d4-9a7e-36e616b1ba6d",
```

You can get the GUID through this site:
https://www.dpsapps.com/dps/entitlement/index.php

Customizing the Site

To access the site, users can go to http://localhost:4502/cf#/content/sola04/main.html using Google Chrome and users will be able to see section that can be customized. This image illustrates what can be modified and what component can fit into which sections:

When users drag and drop components onto the page, it should look similar to this:
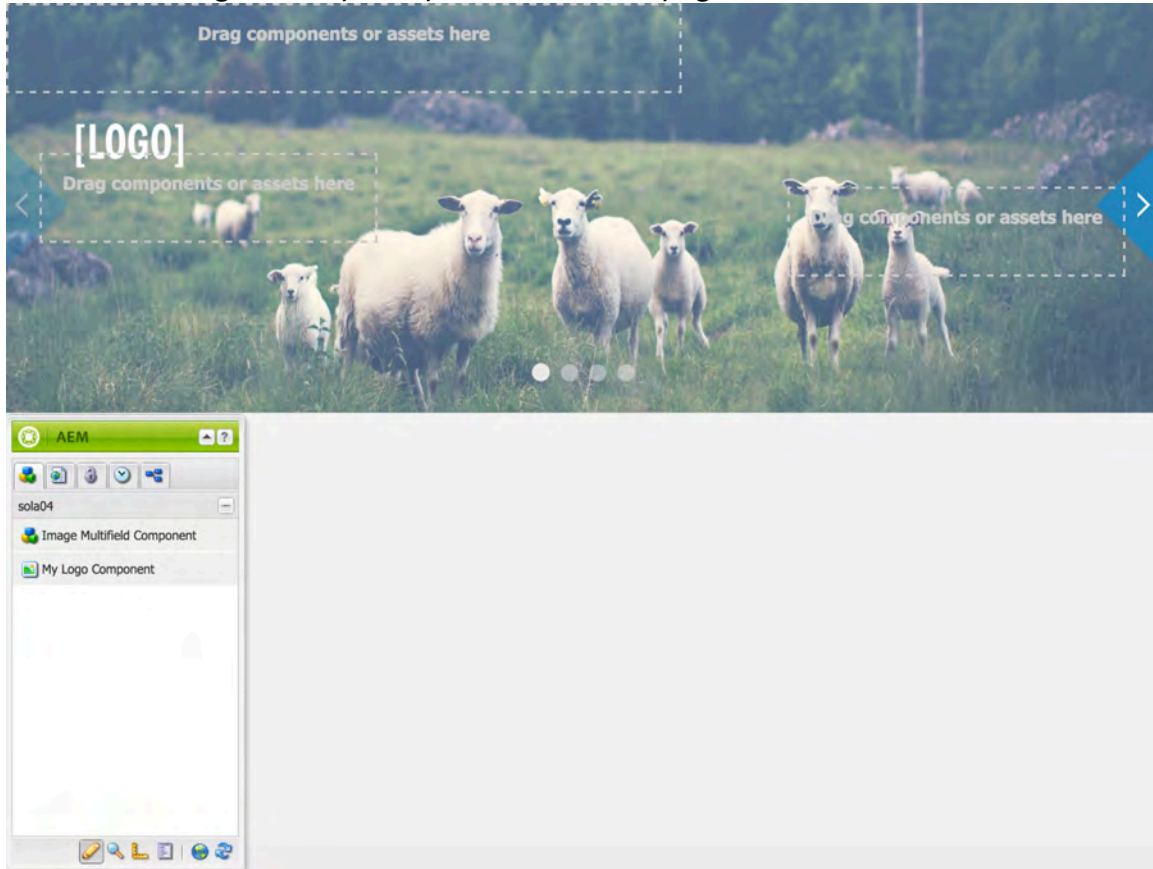
Users can then double click on the image squares to customize the logos or the middle of the page to customize the slide show.

For the slideshow, users can add as many images as they want to display and arrange them in any way they wish. Once users are satisfied with their slideshow collection, **the page must be refreshed to display the images.**

Once the slideshow has been reloaded, users can swipe left and right to display the different images.

Building the Application

Building the application is simply like building any other DPS app. Included is the Archive.zip file which include all the necessary files for constructing the app: index.html, AdobeLibraryApi.js and jquery-1.11.0.min.js.

To build the application:

1. Launch the DPS App Builder and create a new application
2. Select iOS > iPad and hit next
3. For App Details enter the following values and then hit next

App name: DPS AEM
App type: Multi Folio with Entitlement
Title: DPS AEM
Select a Title ID with the folios to display

4. For Entitlement Details, enter the following values then proceed to the next section

Service URL: http://validate.jameslockman.com:4502/bin/DPSServiceProvider
Service auth URL: http://validate.jameslockman.com:4502/bin/DPSServiceProvider
Integrator ID: dps_aem
Forgotpassword URL:
http://validate.jameslockman.com:4502/bin/DPSServiceProvider
Send app ID and version: Checked

Entitlement Details

Configure your viewer app for third party entitlement.

Service URL: http://validate.jameslockman.com:4502/bin/DPSServiceProvider ⓘ
Service auth URL: http://validate.jameslockman.com:4502/bin/DPSServiceProvider ⓘ
Integrator ID: dps_aem ⓘ
Optional create account URL: ⓘ
Optional remote subscription page URL: ⓘ
Forgot password URL: http://validate.jameslockman.com:4502/bin/DPSServiceProvider ⓘ
Optional existing subscription URL: ⓘ
Send app ID and version: ✓ ⓘ

5. Add all the necessary icons
6. In the Navigation Toolbar do the following:

- Check Hide Viewer icon
- Check Hide Sign in button

Go to the Library section and click on 'Use custom app library'. Once that section is shown, use the Archive.zip for the 'Library HTML resources ZIP section'.

Afterwards, check Hide Title Bar and Lock orientation to Landscape. Then uncheck 'Show navigation toolbar' then hit "Next".

Navigation Toolbar

☐ Hide library button ⓘ
☐ Show navigation toolbar ⓘ
  ⊙ All views
  ○ All views except the folio view
☑ Hide Viewer icon ⓘ
☐ Hide buy buttons ⓘ
☑ Hide sign in button ⓘ
☐ Hide free folios ⓘ
☐ Custom library or store manages issues ⓘ
Lock app orientation:
None ⓘ

7. Enabling Social Sharing is optional.

8. Select your mobile provision files and insert them in to the required fields.
9. Once the process is complete, download the application and install it on an iPad using iTunes.

Setup/Installation Entitlements Server

To start the entitlements server:
1. Install the CQ-Package-1.0.zip package on AEM. Navigate to Tools -> Operations -> Packaging - Packages and click on the "Upload Package" button. Locate the CQ-Package-1.0.zip file then click "Install".

2. Once the package has been installed, click on the "More" dropdown and select "Replicate", this process will publish the package to make it accessible in the publish instance.

3. To test whether the package was installed correctly, enter the following link in the url and an authToken should be returned:
http://localhost:4503/bin/DPSServiceProvider/SignInWithCredentials?emailAddress=userID&password=password, where userID and password should be an existing user's name and password in the AEM user group.

Entitling Folios

1. Go to CRXde Lite at "http://localhost: 4503/crx/de/index.jsp."
2. Navigate to "/content/dpsentitlements" and create a folder called "folios"
3. Create a nt:unstructured node with the folio name as the title.

4. Add the following properties:
   a. Name:grantMembers, Type:String[], Value:"userID1"."userID2"…
   b. Name:productID, Type:String, Value:folio productID
   Note: Create one node for each folio.
5. Save.

	Name ▲	Type	Value	Protected	Mandatory	Multiple	Auto Created
1	grantMembers	String[]	admin	false	false	true	false
2	jcr:primaryType	Name	nt:unstructured	true	true	false	true
3	productID	String	com.ensemble.dog	false	false	false	false