

HANDS ON LAB

Adobe Experience Manager

Commerce Integration Framework

Omni Channel Experience

Student Workbook

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1 Lab 1 – Understand AEM PIM Cache (Product Information Management Cache)

1.1 Overview

Task	Analyze and observe AEM Commerce PIM Cache for WeTelco
Time	15 minutes

1.2 Setup

1. Open terminal.
2. Navigate to **/Users/1322/Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel**. Execute following command

```
cd Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel
```

3. Execute following command (to switch to lab0, maven install package from lab0)

```
sh init.sh
```



1.3 Observations

1.3.1 Observation-1: AEM PIM Data Cache of WeTelco

1. Navigate to <http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco>

Figure 1: WeTelco Commerce PIM Cache in JCR

The screenshot shows the CRXDE Lite interface with the title "CRXDE | Lite". The address bar displays the URL `/etc/commerce/products/wetelco/personal/prepaid/tablets/apple`. The left pane shows a hierarchical tree view of the JCR structure:

- `jcr:content`
 - `personal`
 - `jcr:content`
 - `postpaid`
 - `jcr:content`
 - `mobile-phones`
 - `apple`
 - `iphone6`
 - `image`
 - `go-mobile-55-apple-iphone-6-16gb-grey`
 - `go-mobile-70-apple-iphone-6-16gb-white`
 - `iphone6s`
 - `image`
 - `go-mobile-95-apple-iphone-6s-128gb-rose-gold`
 - `go-mobile-135-apple-iphone-6-64gb-gold`
 - `jcr:content`
 - `jcr:content`
 - `folderThumbnail`
 - `samsung`
 - `galaxy-note5`
 - `image`
 - `go-mobile-95-samsung-galaxy-note-5-black`
 - `go-mobile-55-samsung-galaxy-note-5-white`
 - `jcr:content`
 - `samsung-galaxy-s6`
 - `tablets`
 - `prepaid`
 - `jcr:content`
 - `mobile-phones`
 - `apple`
 - `jcr:content`
 - `samsung`
 - `tablets`
 - `apple`
 - `ipad-mini-4`
 - `jcr:content`
 - `jcr:content`
 - `samsung`
 - `jcr:content`
 - `samsung-galaxy-tab-s2`

2. Take note of all the **categories** (click below links for some references). Please also note the properties of the products and variants.
 - a. <http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/business>
 - b. <http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal>
 - c. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid
 - d. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones
 - e. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones/apple
 - f. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones/samsung
 - g. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pre_paid
3. Take note of all the **products** (click below links for some references) . Please also note the properties of the products and variants.
 - a. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones/apple/iphone6
 - b. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones/apple/iphone6s
http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones/samsung/galaxy-note5
4. Take note of all the **variants** (click below links for some references) . Please also note the properties of the products and variants.
 - a. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones/apple/iphone6/go-mobile-55-apple-iphone-6-16gb-grey
 - b. http://localhost:4502/crx/de/index.jsp#/etc/commerce/products/wetelco/personal/pos_tpaid/mobile-phones/apple/iphone6/go-mobile-70-apple-iphone-6-16gb-white



5. Note the Commerce PIM imported from an external source at below link with Commerce PIM Cache management UI

<http://localhost:4502/libs/commerce/gui/content/products.html/etc/commerce/products/wetelco>

Table 1: AEM Commerce PIM Cache Management UI Screenshots

Image	Comments
	AEM Commerce PIM Cache Projects.
	WeTelco Categories – Person and Business

Apple iPad Pro



Apple iPad Pro
From \$84 per month (24 month minimum term. Minim...)

Asset Category

Asset Path

/content/dam/wetelco-sites/Tablet/ipad-pro.jpg

BASIC PRODUCT TABS

AEM Commerce Product for tablets – Apple iPad Pro

Apple iPhone 6s



Apple iPhone 6s
From \$84 per month (24 month minimum term. Minim...)

Asset Category

Asset Path

/content/dam/wetelco-sites/Mobile/iphone6s-select-2014_GEO_AU.jpg

BASIC PRODUCT TABS

Title *
Apple iPhone 6s

AEM Commerce Product for mobiles – Apple iPhone6s



1.4 Task: Modifying Scaffolding to include marketing field for WeTelco AEM PIM Data Cache

1. Go to

<http://localhost:4502/crx/de/index.jsp#/etc/scaffolding/wetelco/product/jcr%3Acontent/cq%3Adialog/content/items/columns/items/column2/items/tabs/items/basic/items/titles/items>

2. Copy Node from CRXDE

`/etc/scaffolding/wetelco/product/jcr:content/cq:dialog/content/items/columns/items/column2/items/tabs/items/basic/items/titles/items/description`

3. Paste Node copied to

`/etc/scaffolding/wetelco/product/jcr:content/cq:dialog/content/items/columns/items/column2/items/tabs/items/basic/items/titles/items/`

4. Rename the newly copied node to **terms-and-conditions**.

5. Press **Save All**

6. Click on Node

`/etc/scaffolding/wetelco/product/jcr:content/cq:dialog/content/items/columns/items/column2/items/tabs/items/basic/items/titles`

7. Press **Refresh**

8. Click on Node

`/etc/scaffolding/wetelco/product/jcr:content/cq:dialog/content/items/columns/items/column2/items/tabs/items/basic/items/titles/items/terms-and-conditions`

9. Enrich the newly copied node with following properties

- a. **fieldLabel:** Terms and Conditions
- b. **name:** .terms_and_conditions
- c. **sling:resourceType:** granite/ui/components/foundation/form/textarea
- d. Right click and delete property **renderReadOnly**

Figure 2: End result of including scaffolding field

Properties		Access Control		Replication		Console		Build Info	
	Name ▲	Type	Value		Protected	Mandatory	Multiple	Auto Created	
1	fieldLabel	String	Terms and Conditions		false	false	false	false	
2	jcr:primaryType	Name	nt:unstructured		true	true	false	true	
3	name	String	.terms_and_conditions		false	false	false	false	
4	sling:resourceType	String	granite/ui/components/foundation/form/textarea		false	false	false	false	

10. Press **Save All**

1.5 Observations

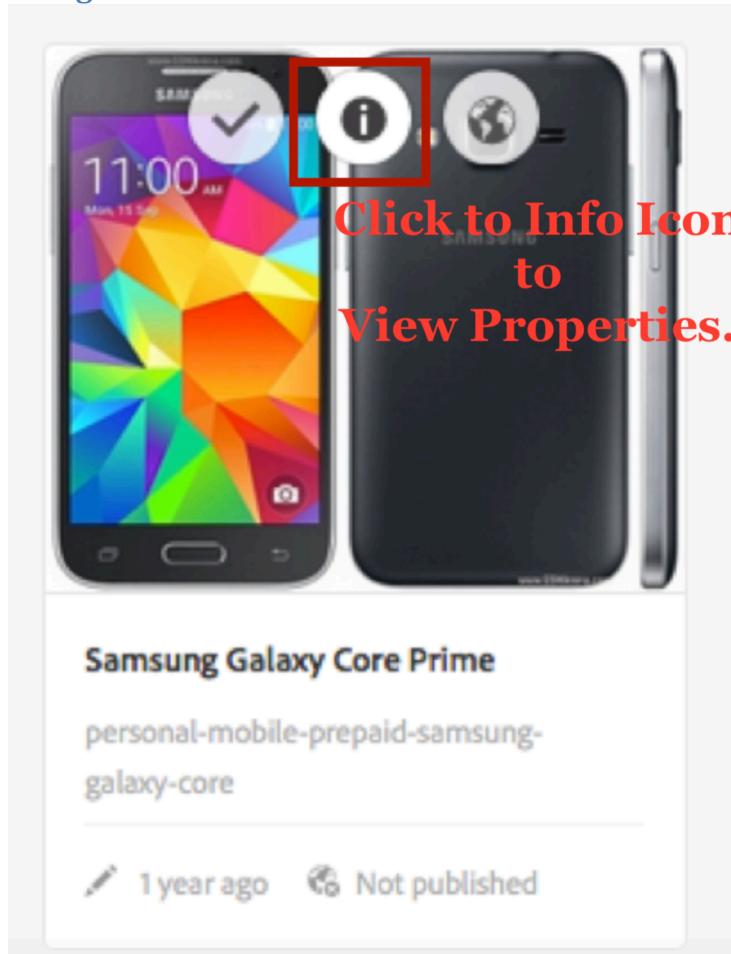
1.5.1 Observation 2: Note the Marketing Content in AEM PIM Data Cache

1. Navigate to

<http://localhost:4502/libs/commerce/gui/content/products.html/etc/commerce/products/wetelco/personal/prepaid/mobile-phones/samsung>

2. Now click on **View Product Data** icon

Figure 3: View Product ICON in Commerce UI



3. You will now notice that a new field is created to enter terms and conditions.

1.6 Solution

1. In Terminal make sure you are under **/Users/1322/Desktop/AEM-Commerce-Lab-ws/aem-commerce-omni-channel** and Execute following command

```
sh lab1-solution.sh
```



2 Lab 2 – AEM Commerce Integration Framework – Catalog Management

2.1 Overview

Task	Understand catalog management in AEM CIF
Time	30 minutes

2.2 Setup

1. **Optional (If not already in Terminal):** Open terminal (if not already open)
2. **Optional (If not already in directory mentioned):** Navigate to `/Users/1322/Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel`. Execute following command

```
cd Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel
```

3. Execute following command (to switch to lab2 branch in GitHub)

```
sh switch.sh
```

4. Execute following command (to switch to install lab2 material on AEM6.2)

```
sh init.sh
```

2.3 Observations

2.3.1 Observation 1: WeTelco Site Structure setup and templates

1. Go to <http://localhost:4502/editor.html/content/wetelco-sites/en/personal.html>. Observer how the website looks and feels (in Edit and Preview mode in AEM Author).

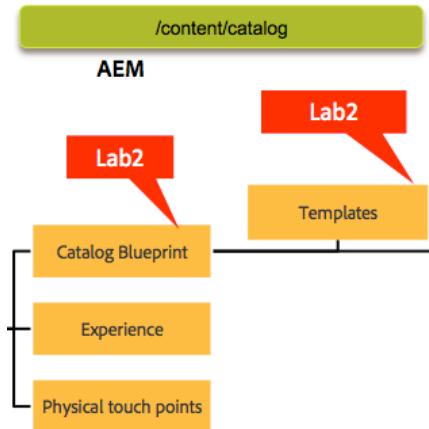
Notice the following
1. Site structure as Business, Personal as top sections.
2. Shop is empty at the moment.
3. Website is responsive.

1. Go to <http://localhost:4502/aem/catalogs.html/content/catalogs>
2. Navigate to
 - a. WeTelco > English
3. Observe the following

Folder	Comments
WeTelco Sites Template Pages	Template pages which constitute the page used for Blueprints created in Catalog.
WeTelco Sites AEM Base Catalog	The Catalog Blueprint setup used for setting up how the rollout pages will look like



Figure 4: Recap : Blueprints and Tempaltes



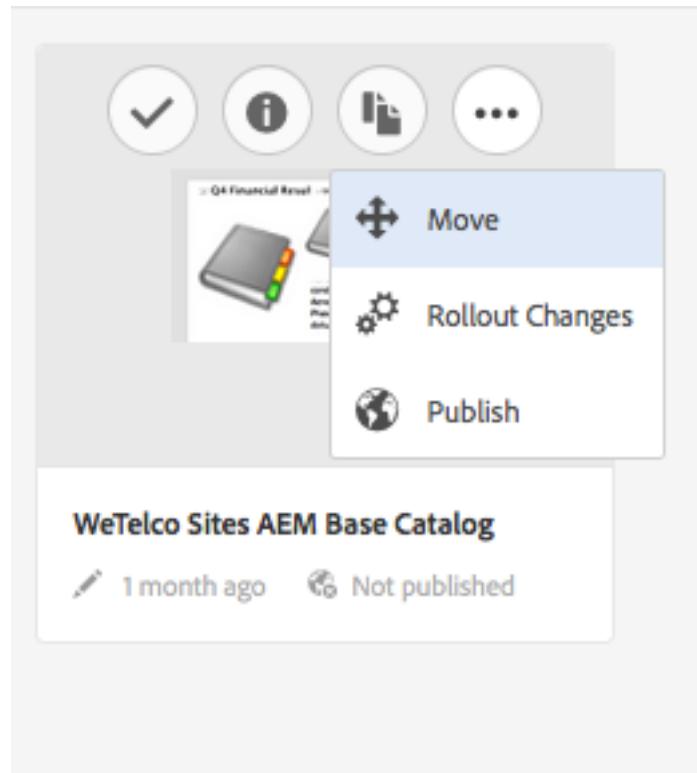
4. Navigate into WeTelco Sites Template Pages

(<http://localhost:4502/aem/catalogs.html/content/catalogs/wetelco/en/aem-sites-template-pages>) and note the following. Also navigate into the properties to notice where the location of the template pages come from.

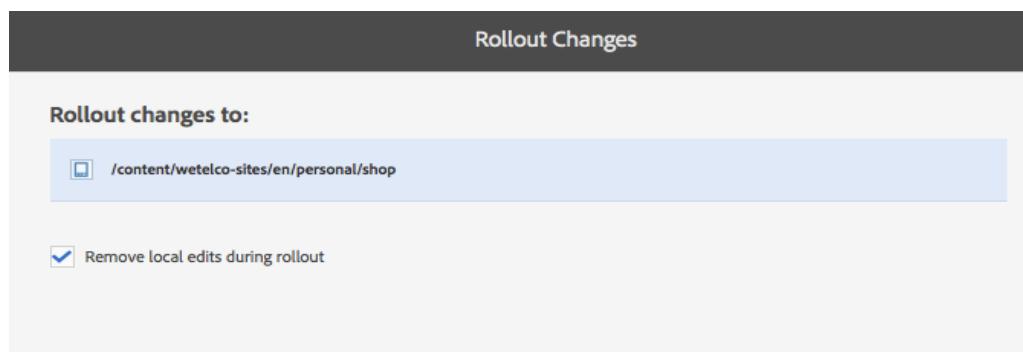
Folder	Comments	Template Reference in WeTelco
Catalog Page Template	Template used for the top level catalog page – Example: Shop	wetelco-sites/components/structure/landingpage
Section Page Template	Template used for category section of the page – Example: Tables, Mobiles pages.	/apps/wetelco-sites/templates/categorypage
Product Page Template	Template used for product pages. Example: iPhone 5S	/apps/wetelco-sites/templates/productpage

2.4 Tasks

1. Go to <http://localhost:4502/aem/catalogs.html/content/catalogs/wetelco/en>
2. Hover over **WeTelco Sites AEM Base Catalog**, click on **More Actions** represented by circle with (...) and select **Rollout Changes**.



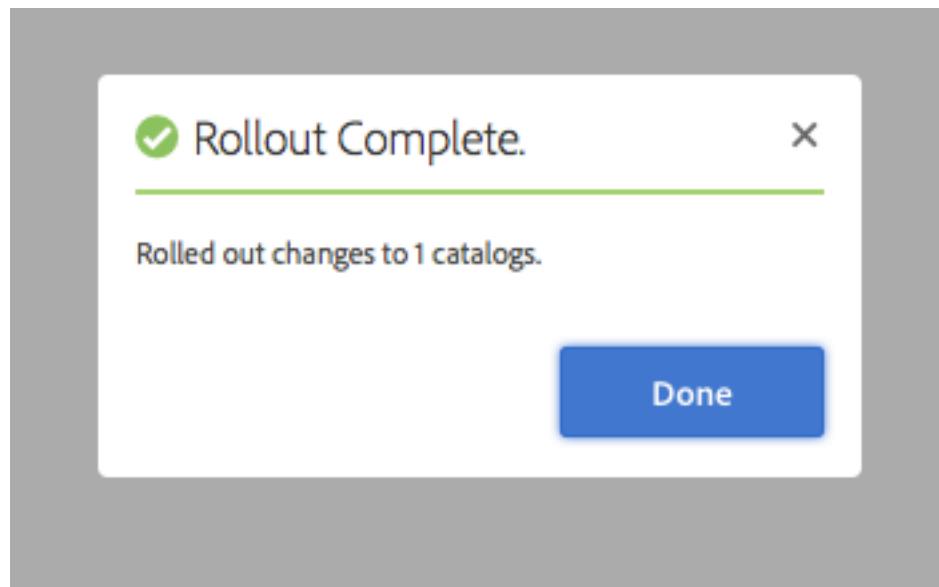
3. On next page for Rollout Changes, select **Remove Local edits during rollout**



4. Press Rollout Changes.



- Now you will get a prompt saying rollout complete. This completes the rollout of the blueprint using product catalog to specific location in /content/wetelco/en/personal/shop location



- View the rolled out pages here - <http://localhost:4502/crx/de/index.jsp#/content/wetelco-sites/en/personal/shop> (which was previously empty)

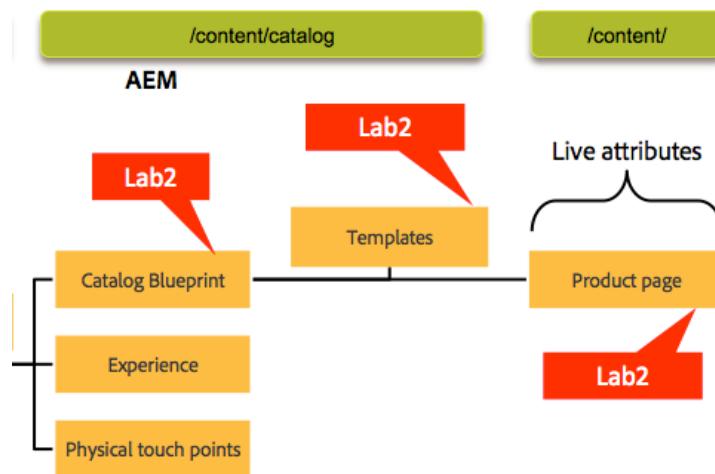


Figure 5 : Checkpoint

2.5 Observations

2.5.1 Observation 2: WeTelco Shop

1. Click on <http://localhost:4502/editor.html/content/wetelco-sites/en/personal/shop.html>.
2. We can see shop and rolled out pages. But, the devices are missing!!!

2.6 Advanced Tasks: Setting up WeTelco Commerce Entry Point – Using Commerce API

INFO: This task is advanced, will involve some code and solution will be provided at end of task if you are unable to complete task. To skip in terminal enter following

sh lab2-solution.sh

1. **Optional (If not already in Terminal):** Open terminal (if not already open)
2. **Optional (If not already in directory mentioned):** Navigate to `/Users/1322/Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel`. Execute following command

```
cd Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel
```

3. Execute following command (to switch to **lab2-task2** branch in GitHub)

```
sh switch.sh
```



4. Go into Eclipse

a. Open Eclipse



b. Press OK for default workspace

5. Once Eclipse opens up,

a. Update wetelco-sites

b. Find and Right click **wetelco-sites** from Package Explorer, Choose **Maven** and **Update Project**

>> wetelco-sites > Maven > Update Project..

c. In pop press OK to update entire project dependencies.

d. Update wetelco-screens

e. Find and Right click **wetelco-screens** from Package Explorer, Choose **Maven** and **Update Project**

>> wetelco-screens > Maven > Update Project..

f. In pop press OK to update entire project dependencies.

6. Navigate to and open **WeTelcoCommerceServiceFactory** (Hot Key in Eclipse Command + Shift + R)

7. Uncomment the following line in code between `// TODO LAB2 : START` and `// TODO LAB2 : END`

```
return new WeTelcoCommerceServiceImpl(getServiceContext(), res);
```

8. Comment the following line in code between `// TODO LAB2 : START` and `// TODO LAB2 : END`

```
return null;
```

Figure below indicates how the change should reflect.

Figure 6: Figure below indicates how the code should look

```
/**  
 * Implementation for the {@link CommerceServiceFactory} interface for WeTelco  
 * Product Catalog.  
 */  
@Component(metatype = true, label = "WeTelco Product Catalog Commerce factory")  
@Service  
@Properties(value = {  
    @Property(name = "service.description", value = "Factory for WeTelco Product Catalog commerce service"),  
    @Property(name = "commerceProvider", value = "wetelco") })  
public class WeTelcoCommerceServiceFactory extends  
AbstractJcrCommerceServiceFactory implements CommerceServiceFactory {  
  
    @Override  
    public CommerceService getCommerceService(Resource res) {  
        // TODO LAB2 : START  
        return new WeTelcoCommerceServiceImpl(getServiceContext(), res);  
        //return null;  
  
        // TODO LAB2 : END  
    }  
}
```

The above step has just introduced a entry point for WeTelco commerce provider used for this demo.



9. Navigate to and open `WeTelcoCommerceServiceImpl` (Hot Key in Eclipse Command + Shift + R)

10. Replace any section between `// TODO LAB2 : START` and `// TODO LAB2 : END`

with

```
return new WeTelcoCommerceSessionImpl(this, request, response,
```

Figure below indicates how the change should reflect.

Figure 7: The figure displays how the code should look after change

```
@Override
public CommerceSession login(SlingHttpServletRequest request,
    SlingHttpServletResponse response) throws CommerceException {
    // TODO LAB2 : START

    return new WeTelcoCommerceSessionImpl(this, request, response, resource);
    //return null;

    // TODO LAB2 : END
}
```

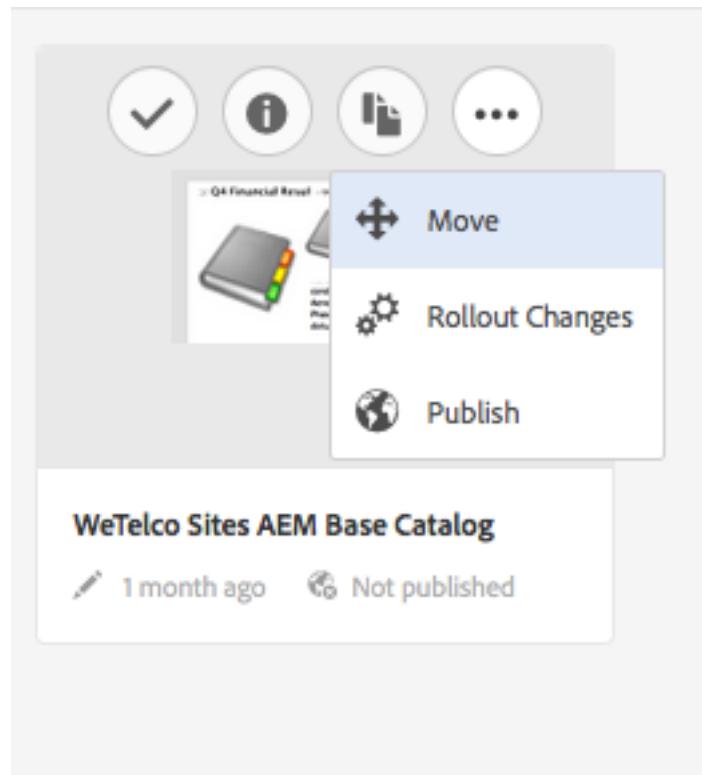
The above step has just introduced a entry point for WeTelco commerce provider used for this demo.

11. Go to Terminal

12. Execute following command (to switch to **deploy change to local AEM**)

```
sh init.sh
```

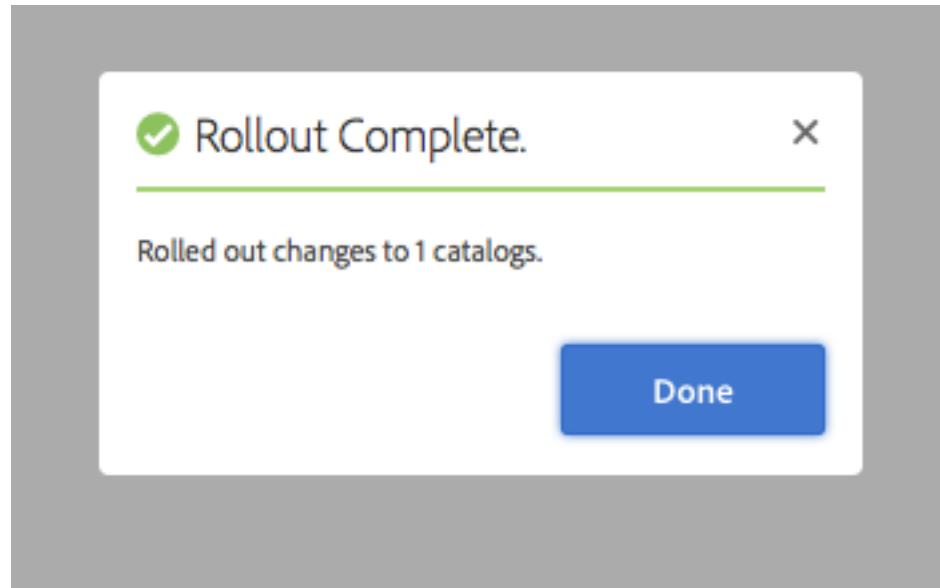
13. Go to <http://localhost:4502/aem/catalogs.html/content/catalogs/wetelco/en>
14. Hover over **WeTelco Sites AEM Base Catalog**, click on **More Actions** represented by circle with (...) and select **Rollout Changes**.



15. On next page for Rollout Changes, select **Remove Local edits during rollout**

The screenshot shows a configuration dialog titled 'Rollout Changes'. It has a dark header bar with the title. Below it, a section labeled 'Rollout changes to:' contains a text input field with the value '/content/wetelco-sites/en/personal/shop'. At the bottom of the dialog, there is a checkbox labeled 'Remove local edits during rollout' which is checked.

16. Press Rollout Changes.
17. Now you will get a prompt saying rollout complete. This completes the rollout of the blueprint using product catalog to specific location in /content/wetelco/en/personal/shop location



18. View the rolled out pages here - <http://localhost:4502/crx/de/index.jsp#/content/wetelcosites/en/personal/shop> (which was previously empty)

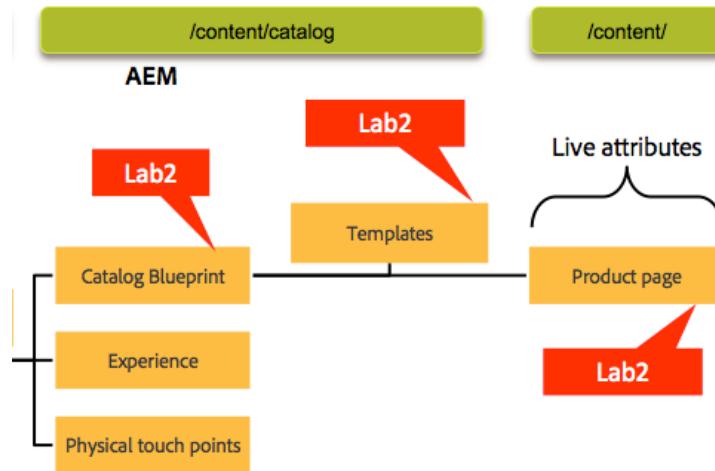


Figure 8 : Checkpoint

2.7 Observations

2.7.1 Observation 2: WeTelco Shop is full populated with all the devices

1. Go to <http://localhost:4502/content/wetelco-sites/en/personal/shop/mobile-phones.html>
2. You can now see all the devices rolled out and appearing

The screenshot shows the We.TELCO website's mobile phones section. At the top, there is a navigation bar with tabs: Business, Personal (which is underlined), About, and Test. Below the navigation bar, the We.TELCO logo is on the left, followed by links for My Account, Shop, and Support. The main content area is titled "Mobile Phones". On the left, there is a sidebar with two sections: "Mobile on Plans" and "Prepaid Mobile Phones". The main area displays six mobile phone models in a grid:

Image	Name	Description
	Apple iPhone 5s	From \$600 (Outright) Terms and Conditions apply
	Apple iPhone 6	From \$77 per month (24 month minimum term. Minimum total cost \$1848)
	Apple iPhone 6s	From \$84 per month (24 month minimum term. Minimum total cost \$1944)
	Samsung Galaxy Core Prime	From \$400 (Outright) Terms and Conditions apply
	Samsung Galaxy Note5	From \$60 per month (24 month minimum term. Minimum total cost \$1600)
	Samsung Galaxy S6	From \$50 per month (24 month minimum term. Minimum total cost \$1500)

2.8 Solution

2. In Terminal make sure you are under `/Users/1322/Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel` and Execute following command

```
sh lab2-solution.sh
```



3 Lesson 3 – Creating a In-Store Experience using AEM Screens leveraging AEM CIF

3.1 Overview

Task	Understand how to leverage an In-Store experience with AEM Screens using AEM CIF
Time	30 minutes

3.2 Setup

1. **Optional (If not already in Terminal):** Open terminal (if not already open)
2. **Optional (If not already in directory mentioned):** Navigate to `/Users/1322/Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel`. Execute following command

```
cd Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel
```

3. Execute following command (to switch to lab3 branch in GitHub)

```
sh switch.sh
```

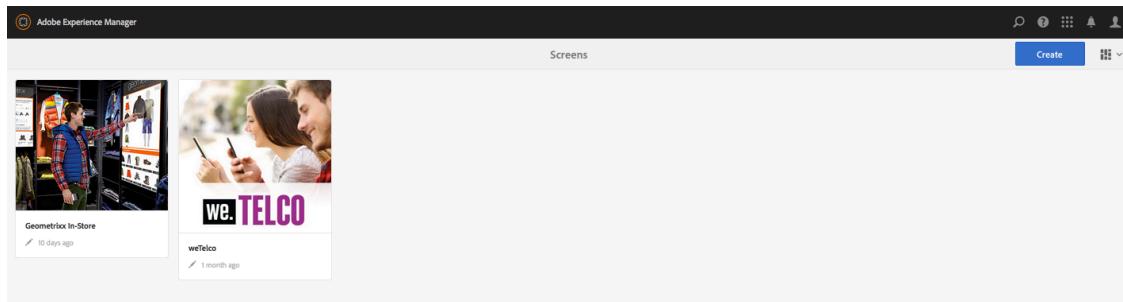
4. Execute following command (to install lab3 material on AEM6.2)

```
sh init.sh
```

3.3 Observations

3.3.1 Observation 1: AEM Screens

1. Go to <http://localhost:4502/screens.html/content/screens>
2. You can see a very basic structure of the screens project for WeTelco Screens Project



3. Go into wetelco and you should be able to view the basic skeleton for any Screens project
4. Go into <http://localhost:4502/screens.html/content/screens/wetelco/apps> to view all the applications to be viewed on screen





weTelco Product Catalog

8 months ago

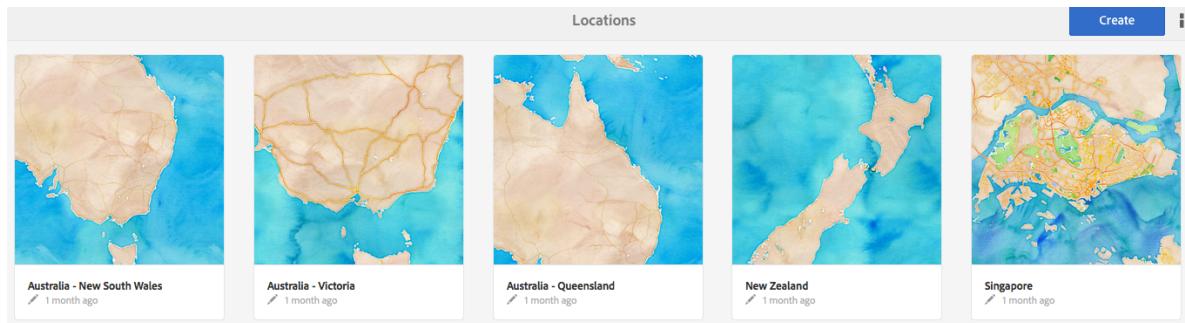


New

Interactive Apps

23 hours ago

5. Go into <http://localhost:4502/screens.html/content/screens/wetelco/locations> to view all the locations for the store



6. Go into <http://localhost:4502/screens.html/content/screens/wetelco/channels> to view all the channels for the store (like TV Channels)

The screenshot shows a list of four items under the heading 'Channels'. Each item is represented by a card with a play icon and a horizontal bar graphic. Below each card is a label and a timestamp. A blue 'New' button is located in the top right corner.

Icon	Name	Last Modified
Play icon and horizontal bars	Morning Idle Loop	22 days ago
Play icon and horizontal bars	Afternoon Idle Loop	1 month ago
Play icon and horizontal bars	Closed	1 month ago
Screen icon with a grid	weTelco Interactive App	23 hours ago

7. Go into <http://localhost:4502/screens/devices.html/content/screens/wetelco/devices> to view devices on which this is going to be supported.
8. Description of Screens code anatomy is as captured below

JCR Location	Comments
/content/screens	All Screens project located here
/content/screens/wetelco/apps	Application located under here. This will have the product catalog for WeTelco for example.
/content/screens/wetelco/locations	Locations for the stores
/content/screens/wetelco/channels	Channels for the application
/content/screens/wetelco/devices	Devices for the display

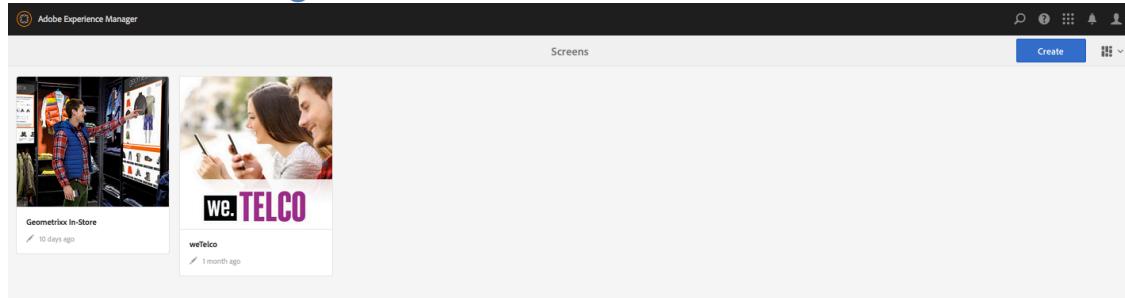


3.4 Task 1 – Locations, Displays and Devices

3.4.1 Create a New Location

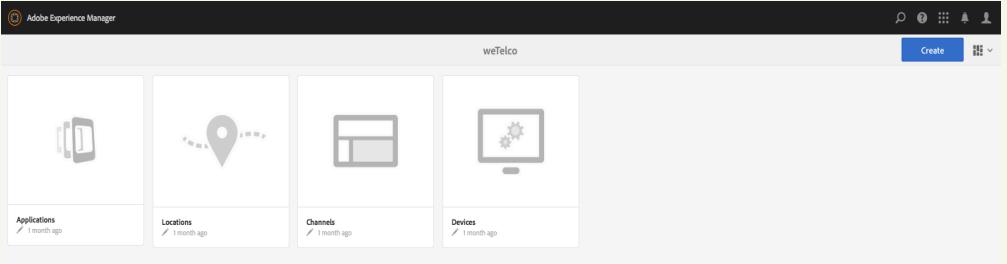
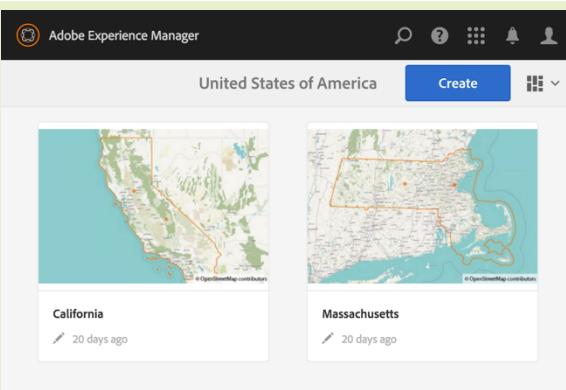
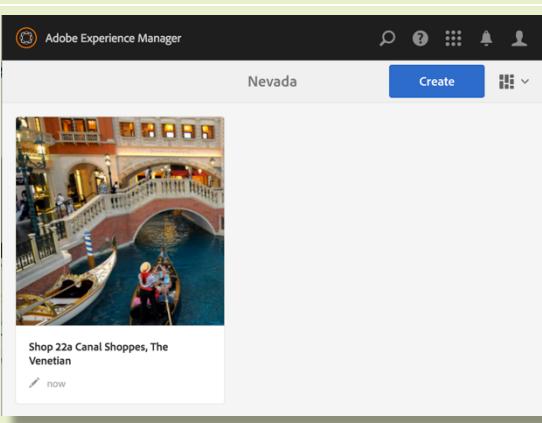
1. The Default View after login into AEM 6.2 is to show projects
 - a. Click the Adobe Experience Manager logo on the top left of your browser screen
 - b. Select "Screens" from the navigation menu
 - i. Here you can see two example Screens configurations

Figure 9: AEM Screens Rail



- c. Click on the WeTelco example
 - i. Click on Locations
 1. We will explore other sections within the exercises later
 - ii. Here we can see a list of location areas where we have screens.
 - iii. Note that Nevada is not present, so lets add it.
- d. Adding Locations
 - i. Add Nevada - Click "Create", then select "Location", then "Next"
 1. Add a name "nevada" and title "Nevada", then click "Create" (yes.. I know that Nevada is not a country!)
 2. Hover over the new Nevada card, click the "i" icon to open properties
 3. Switch to Thumbnail and upload the image "NevadaMap.png". Click Save
 - ii. Repeat the process to add our "Shop"
 1. Note: The hierarchy is whatever makes sense for your business.
 - iii. Click "Create", then select "Location", then "Next"
 1. Add a name "venetian" and title "Shop 22a Canal Shoppes, The Venetian", then click "Create"
 2. Hover over the new Shop 22a card, click the "i" icon to open properties
 3. Switch to Thumbnail and upload a the image "CanalShoppes.jpg". Click Save

Figure 10: Result of above actions

Image	Comments
 <p>Adobe Experience Manager</p> <p>weTelco</p> <p>Create</p> <p>Applications 1 month ago</p> <p>Locations 1 month ago</p> <p>Channels 1 month ago</p> <p>Devices 1 month ago</p>	Main screen dashboard
 <p>Adobe Experience Manager</p> <p>United States of America</p> <p>Create</p> <p>California 20 days ago</p> <p>Massachusetts 20 days ago</p>	Location dashboard
 <p>Adobe Experience Manager</p> <p>Nevada</p> <p>Create</p> <p>Shop 22a Canal Shoppes, The Venetian now</p>	New location added



3.4.2 Create a New Display

1. Open up our new location we just made
 - a. Click on "Shop 22a Canal Shoppes, The Venetian"
2. Create a new Display
 - a. Click "Create"

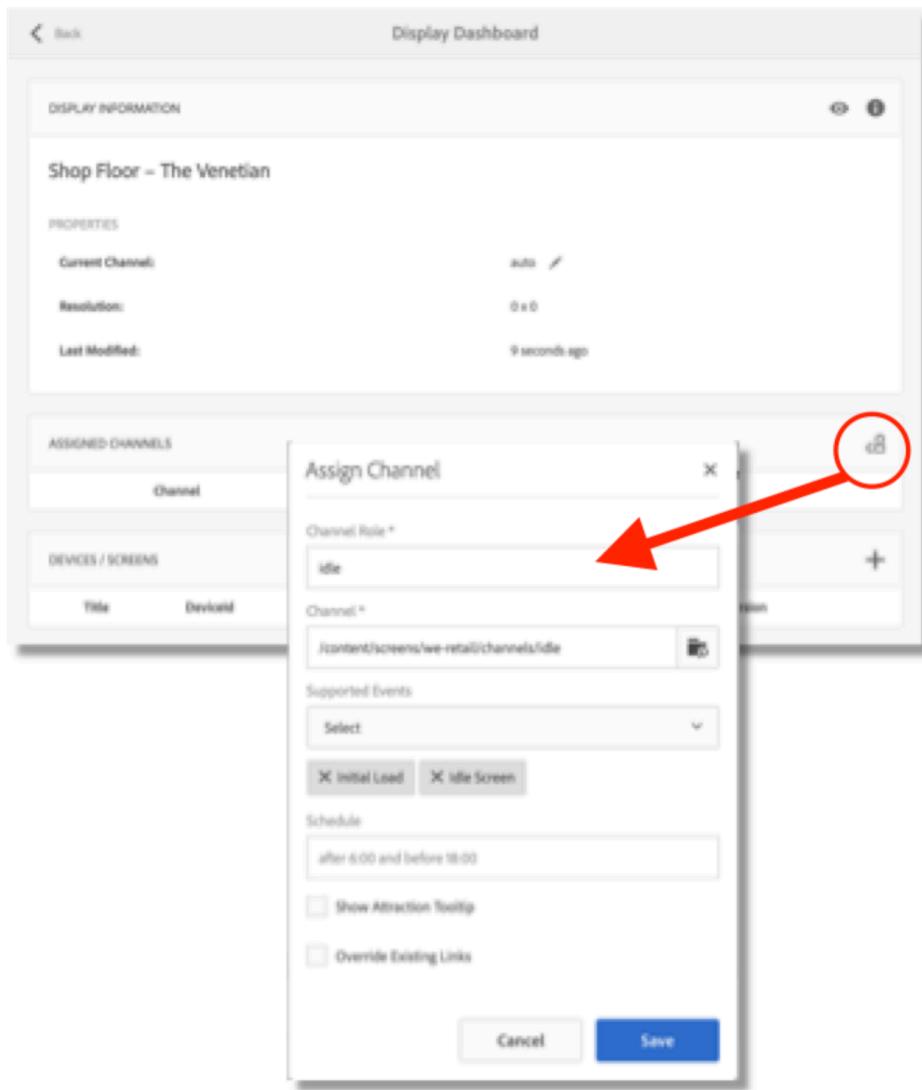
The screenshot shows the 'Create' dialog for a new display. At the top, there are tabs for 'Create', 'Template' (which is currently selected), and 'Properties'. Below these are three tabs: 'BASIC' (which is active), 'ADVANCED', and 'DISPLAY'. The main section is titled 'Title and Tags'. It includes fields for 'Name' (containing 'venetianshopfloor'), 'Title' (containing 'Shop Floor – The Venetian'), and 'Tags' (containing 'Shop Floor'). A preview image of the display is visible at the bottom left.

- b. Select "Display" from the list of Templates.
 - c. Note there are other types of Displays for multiple screens. We will use a single display template.
3. Assign the new Display the following properties
 - a. Name: "venetianshopfloor" – An internal name.
 - b. Title: "Shop Floor – The Venetian" – A friendly title
 - c. Tags: "Shop Floor" – This allows us to easily search all the "Shop Floor" displays.
 - d. On the Display tab, ensure the following is set;
 - i. Resolution: Full HD
 - ii. Number of Devices Horizontally: 1
 - iii. Number of Devices Vertically: 1

3.4.3 Link new channel to display

1. Assigning a Channel to the Display

- a. Open our new Display to view the Display Dashboard
- b. Click the “Link” button on the top left of the Assigned Channels card.



- c. Fill in the following properties

- i. Channel Role: "idle"

1. This is a label to identify this is a content to load when in an idle state.

- ii. Channel: "/content/screens/wetelco/channels/idle"

1. The path to the channel content

- iii. Supported Events – "Initial Load", "Idle Screen"

1. The rules for when this channel should be displayed

- d. Click Save



3.4.4 Registering a device

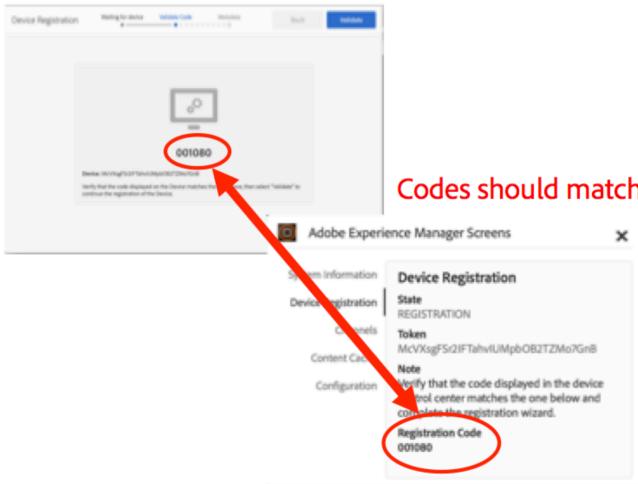
1. Open the wetelco Devices screen
 - a. Screens -> wetelco -> Devices
 - b. Note there is no current devices listed
2. Start the Device Registration Wizard
 - a. Click the "Device Registration" button in the top left

The screenshot shows two windows side-by-side. On the left is a smaller window titled 'Adobe Experience Manager Screens' containing a 'Device Registration' button, which is circled in red. Below it is a larger window titled 'Device Registration'. This window has a sidebar with links: System Information, Device Registration (which is selected and highlighted in blue), Channels, Content Cache, and Configuration. The main content area displays the following information:

- State:** UNREGISTERED
- Token:** 41gGzj3r...G9Cf7hsA
- Note:** Please select this device in the device control center and initiate the registration wizard.

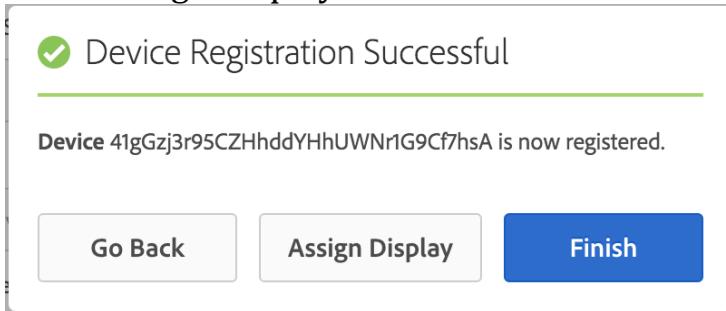
At the bottom of the main window, there is a large, empty text input field.

- b. Notice that the next screen does not list any devices.
3. Start the AEM Screens Player
 - a. Switch out of the default Full Screen mode by using keyboard shortcut Cntl-Cmd-F
 - b. Note: Next section works best if you can view both player and AEM browser side by side
4. Complete the Device Registration process
 - a. In the browser, refresh the window and you should see the new device listed.
 - b. Click the "Device Register" link
5. Confirming the ID of the device
 - a. For security, confirm that the ID of the device matches in both the player and the browser
 - b. Click Validate
6. Complete Device Metadata
 - a. Give the device a friendly name. eg "Mac Demo Device"
 - b. Confirm the rest of the metadata
 - c. Click Register



7. Assign Device to a Display

- Click "Assign Display"



- Browse to the Display you created earlier.
e.g. "/content/screens/we-retail/locations/us/nevada/venetian/venetianshopfloor"
- Click "Assign" then "Finish"



8. Your Device should now be displaying content, and your Display is fully configured.

The screenshot shows the Adobe Experience Manager (AEM) Display Dashboard. At the top, there's a header bar with the AEM logo, a search icon, a help icon, a grid icon, a bell icon, and a menu icon. Below the header, the title "Display Dashboard" is centered. On the left, there's a sidebar with "DISPLAY INFORMATION" and "PROPERTIES" sections. The "DISPLAY INFORMATION" section contains the title "Shop Floor – The Venetian". The "PROPERTIES" section lists "Current Channel: auto", "Resolution: 0 x 0", and "Last Modified: 14 minutes ago". To the right, there's a "ASSIGNED CHANNELS" section with a table:

Channel	Role
 Idle Channel	idle

Below this, there's a "DEVICES / SCREENS" section with a table:

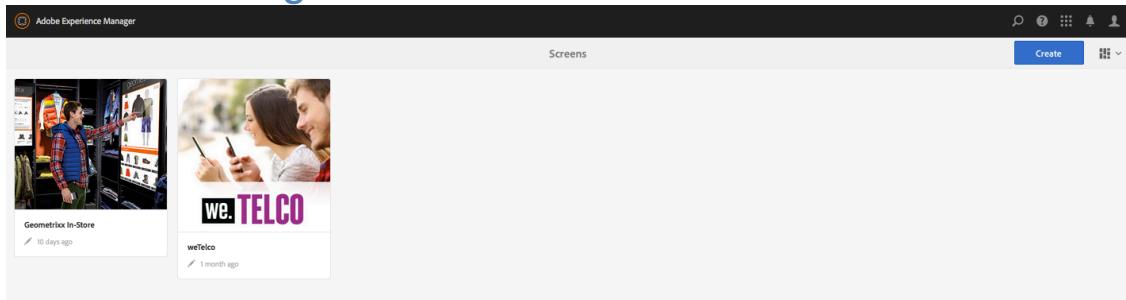
Title	DeviceId	Make/Model	Resolution	Action
 Device Config	we-retail-g8mwgrp6g0...triosge608	x86_64 Mac OS X	10.184	    

3.5 Task 2 – Channel Management

3.5.1 Create a New Channel

1. The Default View after login into AEM 6.2 is to show projects
 - a. Click the Adobe Experience Manager logo on the top left of your browser screen
 - b. Select "Screens" from the navigation menu
 - i. Here you can see two example Screens configurations

Figure 11: AEM Screens Rail



- c. Click on the WeTelco example
2. Adding Content to Channel
 - a. Reuse existing Assets from Sites to Screens
 - i. Switch to Edit mode (Top Right Menu)
 - ii. Open the Side Panel (Top Left Menu)
 - iii. Switch to Assets if not already selected
 - iv. Filter the path to "/content/dam/wetelco"
 - v. Drag & Drop two images on the page
 - b. Preview the channel
 - i. Switch to Preview mode (Top Right Menu)
 - ii. Note the images immediately start to cycle in sequence.
 - iii. Images use css cover mode to fill screen.
 - iv. Ideally create source images to suit
3. Adding Timing and Transition
 - a. Adjusting the display timing of each item
 - i. Switch back to edit mode
 - ii. Select one of the images and click the "configure" icon
 - iii. *If icon not visible, refresh the browser (known beta issue)*
 - iv. Change the Duration to "10000" milliseconds (10 seconds)
 - v. Switch to preview to test it.
 - vi. Note: selecting the entire sequence allows you adjust the default "3000" millisecond duration.



b. Adding transitions

- i. Open the Side Panel (Top Left Menu)
- ii. Switch to Components if not already selected
- iii. Drag & Drop the Transition Component to follow each image
- iv. Configure each transition to suit (e.g. Fade, Slide in from right etc.)
- v. Preview

4. Using pages for Channel content

a. Create a new page

- i. Navigate to Sites -> Screens-> weTelco -> Applications
- ii. Click Create -> Page
- iii. Select the Product Promo template
- iv. Edit the metadata name: phonepromo and Title: Phone Promo

b. Edit the page

- i. Open the page then switch to Edit mode if not already
- ii. Open the Side Panel, and switch to assets
- iii. Select an asset you havent yet used and drag it onto the exiting component (it should highlight blue).
- iv. Click and edit the text to read “Unlimited SMS on all plans”
- v. Preview

c. Using the page

- vi. Go back to the “Store Promo” channel we created earlier
- vii. Add “Embedded page” component.
- viii. Configure to point to the page we just created.

5. Updating our Display with a new Channel

a. Navigate to our Display from Exercise 1

- i. Within any AEM admin screen, click the Omnisearch button
- ii. Type “venetian”
- iii. Locations and Displays should appear
(unless you called it something different)
- iv. Click the “Shop Floor” display (bottom right) to open the Display Dashboard
- v. Open our new Display to view the Display Dashboard

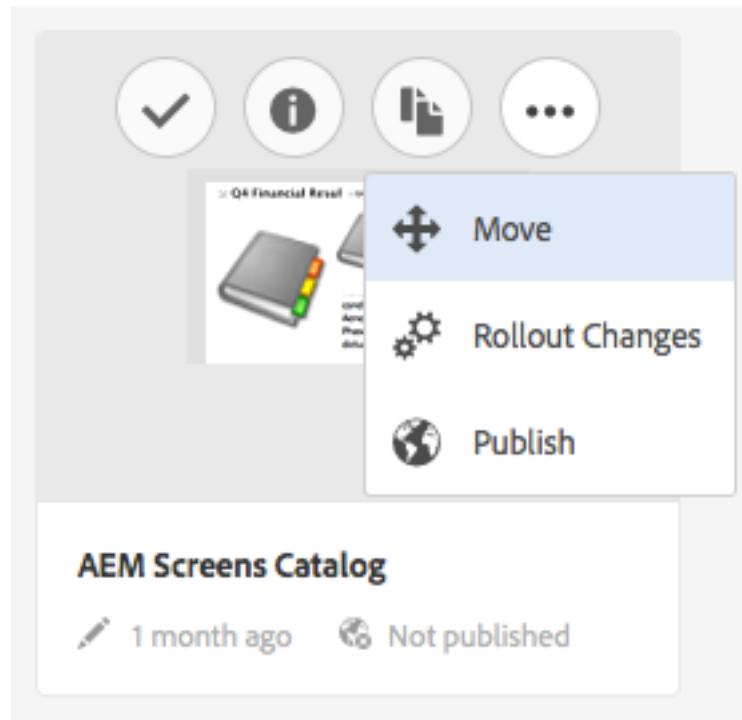
b. Linking the new channel

- i. Click the “Link” button on the top left of the Assigned Channels card.
- ii. Fill in the following properties
- iii. Channel Role: “idlepromo”
- iv. Channel: “/content/screens/wetelco /channels/storepromo”
- v. Supported Events – “Idle Screen”
- vi. Click Save
- vii. On the “Display Information” card, change the “current channel” to your new channel.



3.6 Tasks – Use AEM CIF API to generate and create AEM Screens Product catalog browsing Experience

1. Go to <http://localhost:4502/crx/de/index.jsp#/content/screens/wetelco/apps/product-catalog/en> to notice that the product catalog is empty for In store experience.
2. Go to <http://localhost:4502/aem/catalogs.html/content/catalogs/wetelco/en>
3. Hover over **WeTelco Screens Base Catalog**, click on **More Actions** represented by circle with (...) and select **Rollout Changes**.



4. On next page for Rollout Changes, select **Remove Local edits during rollout**

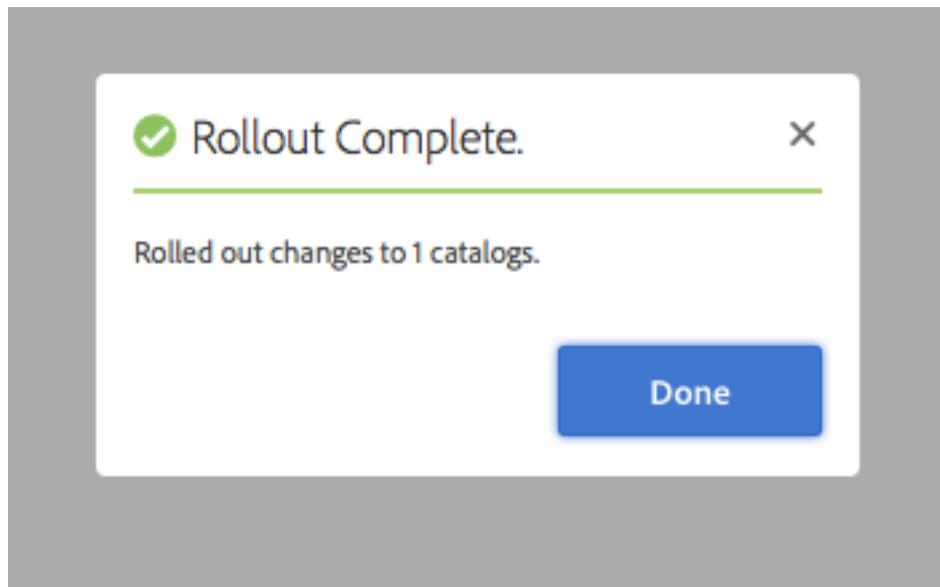
Rollout changes to:

/content/screens/wetelco/apps/product-catalog/en

Remove local edits during rollout

Rollout Changes

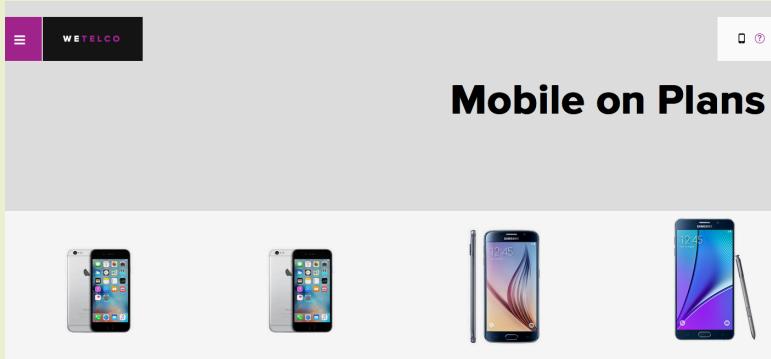
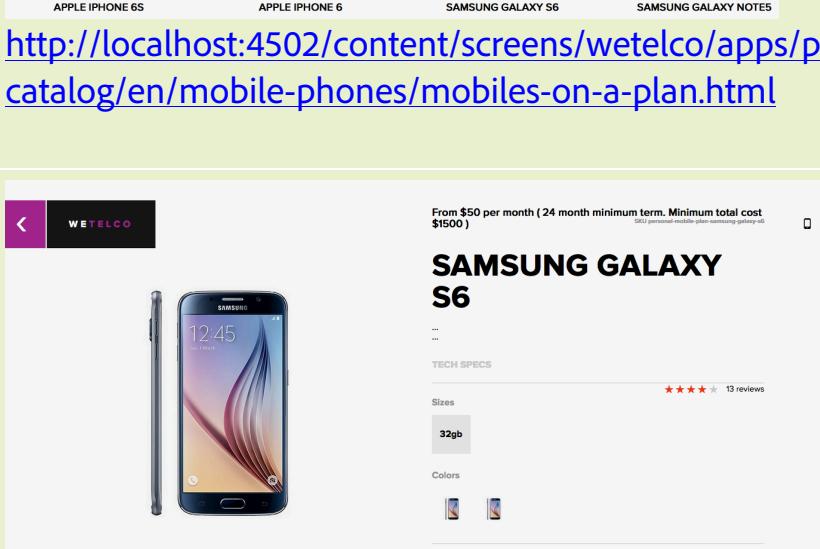
5. Press Rollout Changes.
6. Now you will get a prompt saying rollout complete. This completes the rollout of the blueprint using product catalog to specific location in /content/wetelco/en/personal/shop location



3.7 Observations

3.7.1 Observation 2: AEM Screens : Catalog rolled out to be viewed

1. You can see the following pages and results

Page Screenshot	Page Name
 http://localhost:4502/content/screens/wetelco/apps/product-catalog/en/mobile-phones.html	Mobile Phones Page
 http://localhost:4502/content/screens/wetelco/apps/product-catalog/en/mobile-phones/mobiles-on-a-plan.html	Mobile on Plans
 http://localhost:4502/content/screens/wetelco/apps/product-catalog/en/mobile-phones/mobiles-on-a-plan/samsung-galaxy-s6.html	Samsung Galaxy S6 Device Page on Screen

4 Lesson 4 – Creating a Mobile Experience using AEM Mobile leveraging AEM CIF

4.1 Overview

Task	Understand how to leverage an mobile experience with AEM Mobile using AEM CIF + AEM Mobile and creating a mobile touch point
Time	45 minutes

4.2 Observations: AEM Mobile On Demand (AEM MoD)

4.2.1 Observation: AEM MoD – Web Interface

1. Go to Appendix 6.3

4.2.2 Observation: AEM MoD - Setup in AEM Mobile

1. Go to Appendix 6.4

4.2.3 Observation: AEM MoD - Service Configuration in AEM

INFO: This task is all done in AEM. Please just check in AEM for configuration done .

1. Go to Appendix 6.5 for steps on how this is done.



4.3 Setup: Setup for AEM MoD Page rollout using AEM CIF

1. **Optional (If not already in Terminal)**: Open terminal (if not already open)
2. **Optional (If not already in directory mentioned)**: Navigate to /Users/1322/Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel. Execute following command

```
cd Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel
```

3. Execute following command (to switch to lab4-task2 branch in GitHub)

```
sh switch.sh
```

4. Execute following command (to install lab4-task2 material on AEM6.2)

```
sh init.sh
```

4.4 Advanced Tasks: Hooking up Commerce API Rollout Hook and AEM MoD Service through AEM Mobile API

INFO: This task is advanced, will involve some code and solution will be provided at end of task if you are unable to complete task. To skip in terminal enter following

sh lab4-solution.sh

1. Go into Eclipse
2. Navigate to and open `WeTelcoCommerceServiceImpl` (Hot Key in Eclipse Command + Shift + R)
3. Search and go to method `catalogRolloutHook(Page blueprint, Page catalog)`
4. Uncomment code section between `// TODO - Lab 4 : Uncomment Start` and `// TODO - Lab 4 : Uncomment End`
5. Comparison with result of above action

Before	After
<pre>// TODO - Lab 4 : Uncomment Start /* try { aemModService.importOnDemandContent(catalog); } catch (ServletException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } catch (IOException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } catch (RequestException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } catch (RepositoryException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } */ // TODO - Lab 4 : Uncomment End</pre>	<pre>// TODO - Lab 4 : Uncomment Start try { aemModService.importOnDemandContent(catalog); } catch (ServletException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } catch (IOException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } catch (RequestException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } catch (RepositoryException e) { LOGGER.error("Error during AEM MoD Service Import"); e.printStackTrace(); } // TODO - Lab 4 : Uncomment End</pre>

6. Search and go to method `sectionRolloutHook (Page blueprint, Page catalog)`



7. Uncomment code section between // TODO - Lab 4 : Uncomment Start and // TODO - Lab 4 : Uncomment End

8. Comparison with result of above action

Before	After
<pre>// TODO - Lab 4 : Uncomment Start /* // 1. Check if the blueprint is having a property for DPS Rollout ValueMap listOfProperties = section.getProperties(); Object dpsResourceType = listOfProperties.get("dps-isRolloutout"); // 2. If the rollout is for DPS Rollout, then make sure that the section // goes in as category if (dpsResourceType != null) { // Then this is a article and we need to create a Collection try { LOGGER.debug("START - COLLECTION TO BE CREATED !!!!"); aemModService.createCollection(section); LOGGER.debug("END - COLLECTION TO BE CREATED !!!"); } catch (RepositoryException e) { LOGGER.error("Error during AEM MoD Service Upload of Collection e.printStackTrace(); } catch (Exception e) { LOGGER.error("Error during AEM MoD Service Upload of Collection e.printStackTrace(); } } */ // TODO - Lab 4 : Uncomment End</pre>	<pre>// TODO - Lab 4 : Uncomment Start /* // 1. Check if the blueprint is having a property for DPS Rollout ValueMap listOfProperties = section.getProperties(); Object dpsResourceType = listOfProperties.get("dps-isRolloutout"); // 2. If the rollout is for DPS Rollout, then make sure that the section // goes in as category if (dpsResourceType != null) { // Then this is a article and we need to create a Collection try { LOGGER.debug("START - COLLECTION TO BE CREATED !!!!"); aemModService.createCollection(section); LOGGER.debug("END - COLLECTION TO BE CREATED !!!"); } catch (RepositoryException e) { LOGGER.error("Error during AEM MoD Service Upload of Collections"); e.printStackTrace(); } catch (Exception e) { LOGGER.error("Error during AEM MoD Service Upload of Collections"); e.printStackTrace(); } } */ // TODO - Lab 4 : Uncomment End</pre>

9. Search and go to method productRolloutHook (Page blueprint, Page catalog)

10. Uncomment code section between // TODO - Lab 4 : Uncomment Start and // TODO - Lab 4 : Uncomment End

11. Comparison with result of above action

Before	After
<pre>LOGGER.debug("THIS IS A ARTICLE TO BE CREATED!!!!"); // TODO - Lab 4 : Uncomment Start /* try { // Then this is a article and we need to create a Collection aemModService.createArticle(productPage); } catch (RepositoryException e) { LOGGER.error("Error during AEM MoD Service Upload of Articles"); e.printStackTrace(); } catch (Exception e) { LOGGER.error("Error during AEM MoD Service Upload of Articles"); e.printStackTrace(); }*/ // TODO - Lab 4 : Uncomment End</pre>	<pre>// TODO - Lab 4 : Uncomment Start try { // Then this is a article and we need to create a Collection aemModService.createArticle(productPage); } catch (RepositoryException e) { LOGGER.error("Error during AEM MoD Service Upload of Articles"); e.printStackTrace(); } catch (Exception e) { LOGGER.error("Error during AEM MoD Service Upload of Articles"); e.printStackTrace(); } // TODO - Lab 4 : Uncomment End</pre>

12. Code walkthrough (In lab exercise – To understand, what the code is doing).

13. Install to local AEM instance

```
sh init.sh
```

14.



15. Connect AEM Mobile to AEM MoD Service project

- Go to

<http://localhost:4502/libs/mobileapps/admin/content/dashboard.html/content/mobileapps/wetelco-aem-mobile-app>

- Click on Settings for Manage Connection as highlighted in figure below

WeTelco AEM Mobile On Demand App

Manage App

WeTelco AEM Mobile On Demand App
Last Modified 21 days ago by Administrator

Manage Connection

Please select a Project Id

Cloud Config: Summit 2016 - Welco AEM MoD

Project: Not Set

1. Configure AEM MoD Project ID

- IMPORTANT STEP:** From Select an Experience Manager Mobile Project, select only the project assigned to you

WeTelco AEM Mobile On Demand App

Configure Experience Manager Mobile

Select an Experience Manager Mobile Cloud Config *

Summit 2016 - Welco AEM MoD

Manage Experience Manager Mobile Cloud Configurations

Select an Experience Manager Mobile Project

Select an existing Experience Manager Mobile Project

Select an existing Experience Manager Mobile Project

L322-INS

L322-01

WeTelco-Trial

WARNING : ONLY
SELECT PROJECT
ASSIGNED TO YOU.

- Press Update. This should now connect your project to AEM MoD Service and Project.

Adobe Experience Manager

WeTelco AEM Mobile On Demand App

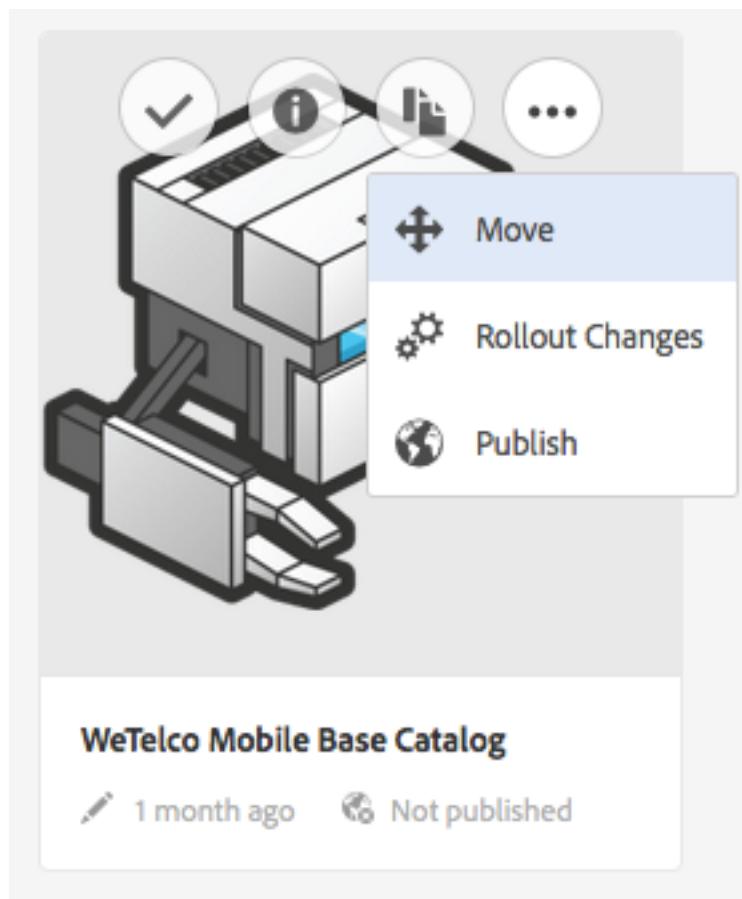
Manage App	Manage Connection
 WeTelco AEM Mobile On Demand App Last Modified 21 days ago by Administrator	Cloud Config: Summit 2016 - Welco AEM MoD Project: L322-INS Connection: ✓ (Collection Extraction Time: Cached)

Success Message !!



4.5 Tasks – Use AEM MoD Service API and AEM CIF API to generate and create AEM MoD Service Experience

7. Go to <http://localhost:4502/aem/catalogs.html/content/catalogs/wetelco/en>
8. Hover over **WeTelco Mobile AEM Base Catalog**, click on **More Actions** represented by circle with (...) and select **Rollout Changes**.



9. On next page for Rollout Changes, select **Remove Local edits during rollout**

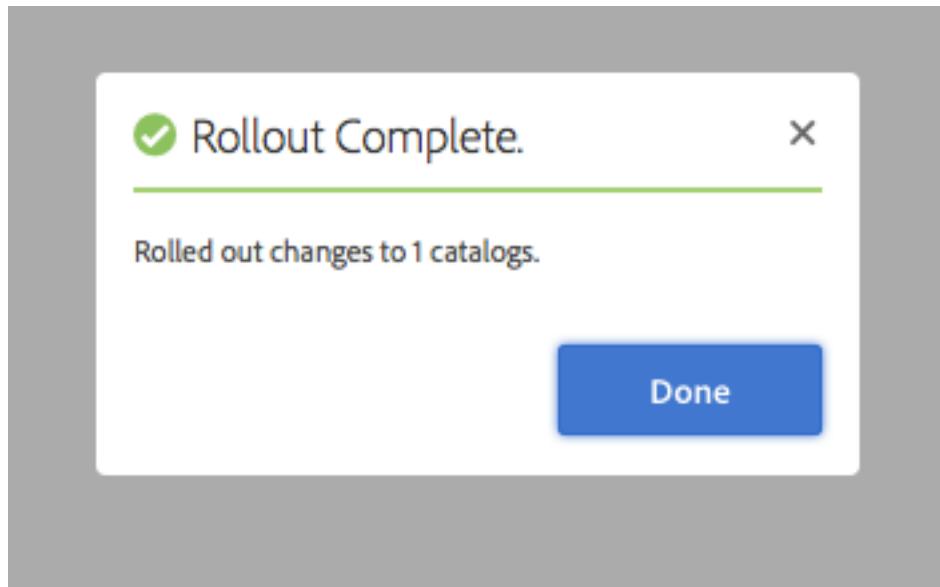
Rollout changes to:

/content/phonegap/weTelco/en/home/shop

Remove local edits during rollout

Rollout Changes

10. Press Rollout Changes.
11. **WAIT 10 min.**
12. Now you will get a prompt saying rollout complete. This completes the rollout of the blueprint using product catalog to specific location in /content/wetelco/en/personal/shop location

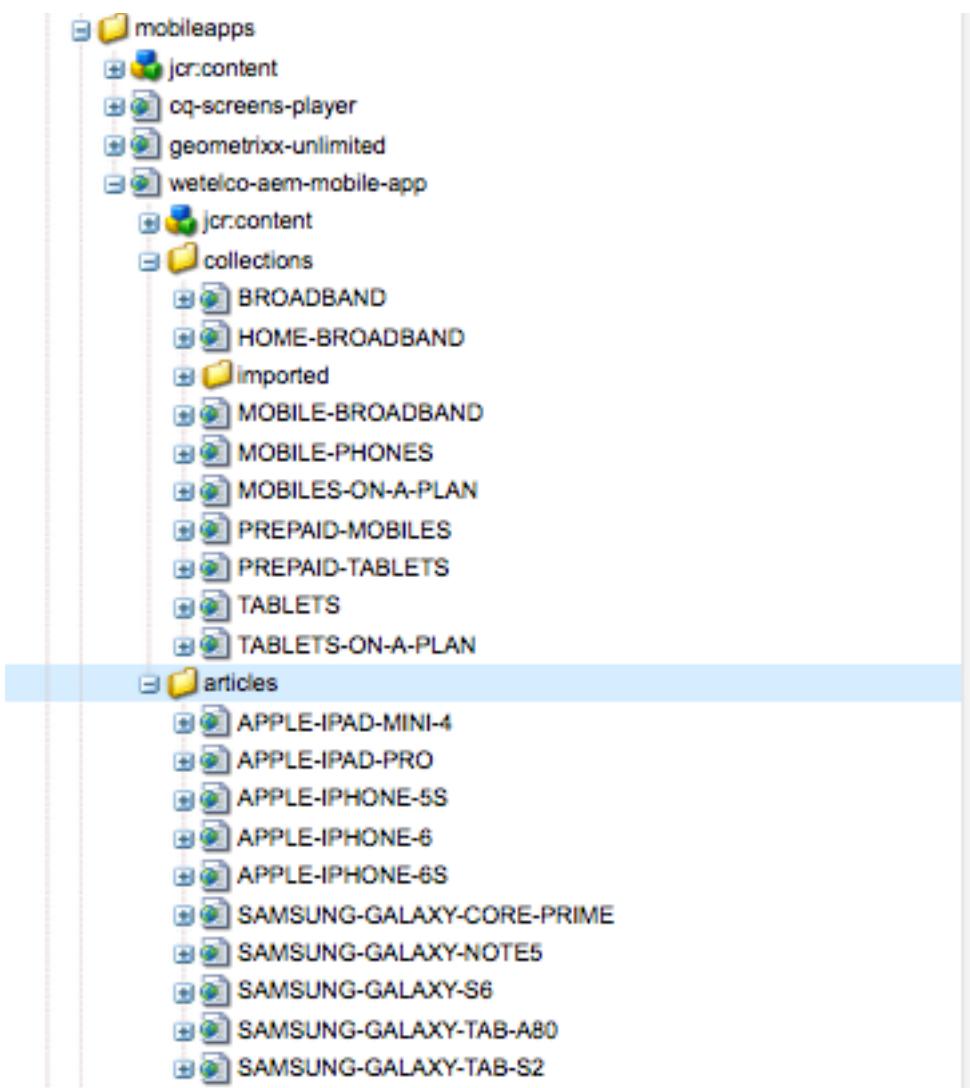




4.6 Observations: AEM Mobile and AEM Mobile On Demand (AEM MoD) Results of Task2

4.6.1 Observation : AEM Mobile Rollout Results

1. View all articles (products) and collections (sections) rolled out under here
 - a. Articles – <http://localhost:4502/crx/de/index.jsp#/content/mobileapps/wetelco-aem-mobile-app/articles>
 - b. Collections - <http://localhost:4502/crx/de/index.jsp#/content/mobileapps/wetelco-aem-mobile-app/collections>



- View all rolled out articles and collections for the project in AEM here
- <http://localhost:4502/libs/mobileapps/admin/content/dashboard.html/content/mobileapps/wetelco-aem-mobile-app>

The screenshot shows the Adobe Experience Manager (AEM) mobile application management interface. It includes sections for managing the app itself, connections to cloud configurations, banners, and a list of published articles.

Manage App: Shows the "WeTelco AEM Mobile On Demand App" with a purple icon and a "Last Modified 21 days ago by Administrator" message.

Manage Connection: Displays Cloud Config: "Summit 2016 - Welco AEM MoD", Project: "L322-INS", and Connection status: "Collection Extraction Time: Cached".

Manage Banners: Shows a table with columns: TITLE, MODIFIED, UPLOADED, PUBLISHED, and SOURCE. It displays the message: "No Banners found for this Project."

Manage Articles: Shows a table with columns: TITLE, MODIFIED, UPLOADED, PUBLISHED, and SOURCE. The table lists five articles:

TITLE	MODIFIED	UPLOADED	PUBLISHED	SOURCE
APPLE-IPHONE-5S APPLE IPHONE 5S	22 seconds ago Administrator	21 seconds ago Administrator	Never	○
SAMSUNG-GALAXY-NOTES SAMSUNG GALAXY NOTES	1 minute ago Administrator	45 seconds ago Administrator	Never	○
SAMSUNG-GALAXY-S6 SAMSUNG GALAXY S6	1 minute ago Administrator	1 minute ago Administrator	Never	○
APPLE-IPHONE-6 APPLE IPHONE 6	2 minutes ago Administrator	2 minutes ago Administrator	Never	○
APPLE-IPHONE-6S APPLE IPHONE 6S	2 minutes ago Administrator	2 minutes ago Administrator	Never	○



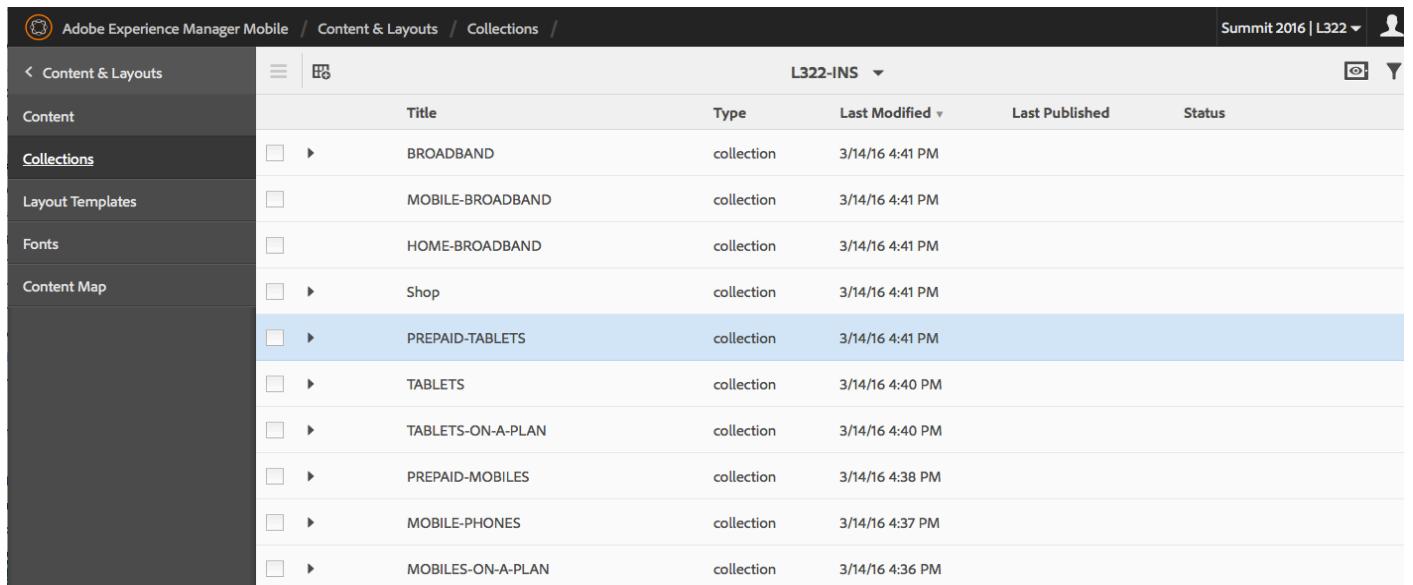
4.6.2 Observation: AEM MoD – Rollout results in the MoD

1. Go to <https://aemmobile.adobe.com/welcome/index.html#/>
2. Click on **Content & Layouts**
3. All Articles as shown below

The screenshot shows the AEM Content & Layouts interface. On the left, there is a sidebar with a dark background and white text, listing categories: Content, Collections, Layout Templates, Fonts, and Content Map. The 'Content Map' item is highlighted with a light blue background. The main area has a light gray background and contains a table with the following data:

	Title	Type	Last Modified	Last Published	Status
	SAMSUNG GALAXY TAB S2	article	3/14/16 4:41 PM		
	APPLE IPAD MINI 4	article	3/14/16 4:40 PM		
	SAMSUNG GALAXY TAB A80	article	3/14/16 4:39 PM		
	APPLE IPAD PRO	article	3/14/16 4:39 PM		
	SAMSUNG GALAXY CORE PRIME	article	3/14/16 4:38 PM		
	APPLE IPHONE 5S	article	3/14/16 4:37 PM		
	SAMSUNG GALAXY NOTES	article	3/14/16 4:36 PM		
	SAMSUNG GALAXY S6	article	3/14/16 4:35 PM		
	APPLE IPHONE 6	article	3/14/16 4:35 PM		
	APPLE IPHONE 6S	article	3/14/16 4:35 PM		

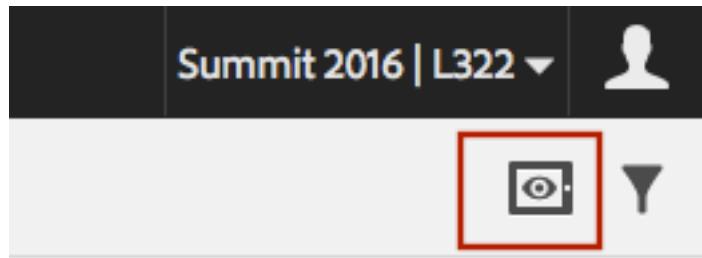
4. All Collections as shown below



The screenshot shows the 'Collections' section of the AEM mobile interface. The left sidebar has 'Content & Layouts' selected. The main area lists collections with columns for Title, Type, Last Modified, Last Published, and Status. The 'PREPAID-TABLETS' collection is highlighted with a blue background.

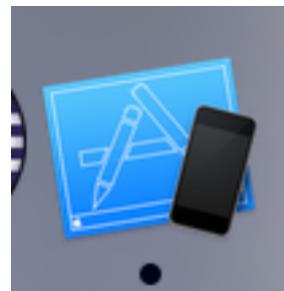
Content	Title	Type	Last Modified	Last Published	Status
Collections	BROADBAND	collection	3/14/16 4:41 PM		
Layout Templates	MOBILE-BROADBAND	collection	3/14/16 4:41 PM		
Fonts	HOME-BROADBAND	collection	3/14/16 4:41 PM		
Content Map	Shop	collection	3/14/16 4:41 PM		
	PREPAID-TABLETS	collection	3/14/16 4:41 PM		
	TABLETS	collection	3/14/16 4:40 PM		
	TABLETS-ON-A-PLAN	collection	3/14/16 4:40 PM		
	PREPAID-MOBILES	collection	3/14/16 4:38 PM		
	MOBILE-PHONES	collection	3/14/16 4:37 PM		
	MOBILES-ON-A-PLAN	collection	3/14/16 4:36 PM		

5. Now click on the Preflight to view the result of the rollout in Emulator.



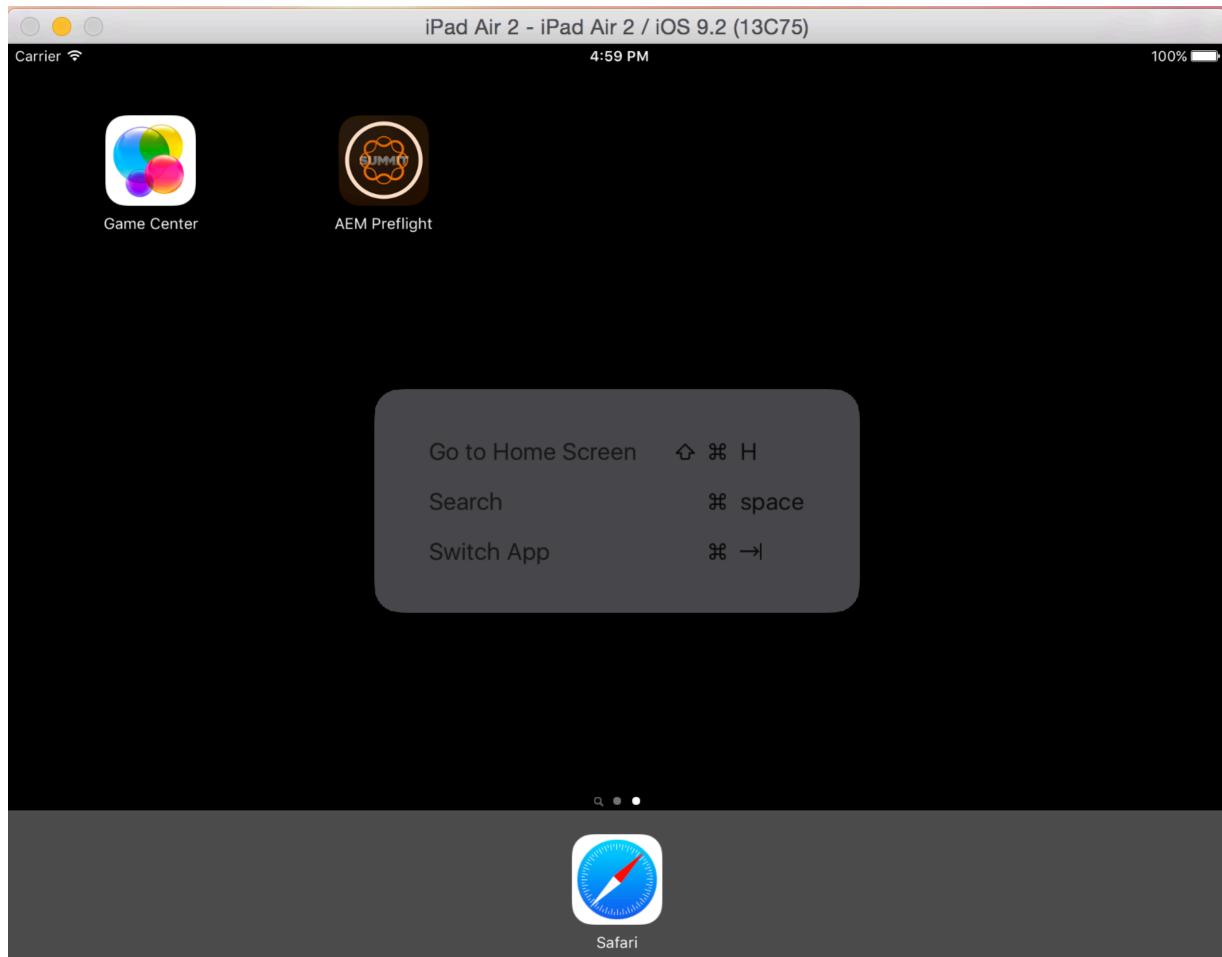
6. Once Preflight is ready, the progress of the launch will end.

7. Now launch the Emulator from Machine Doc



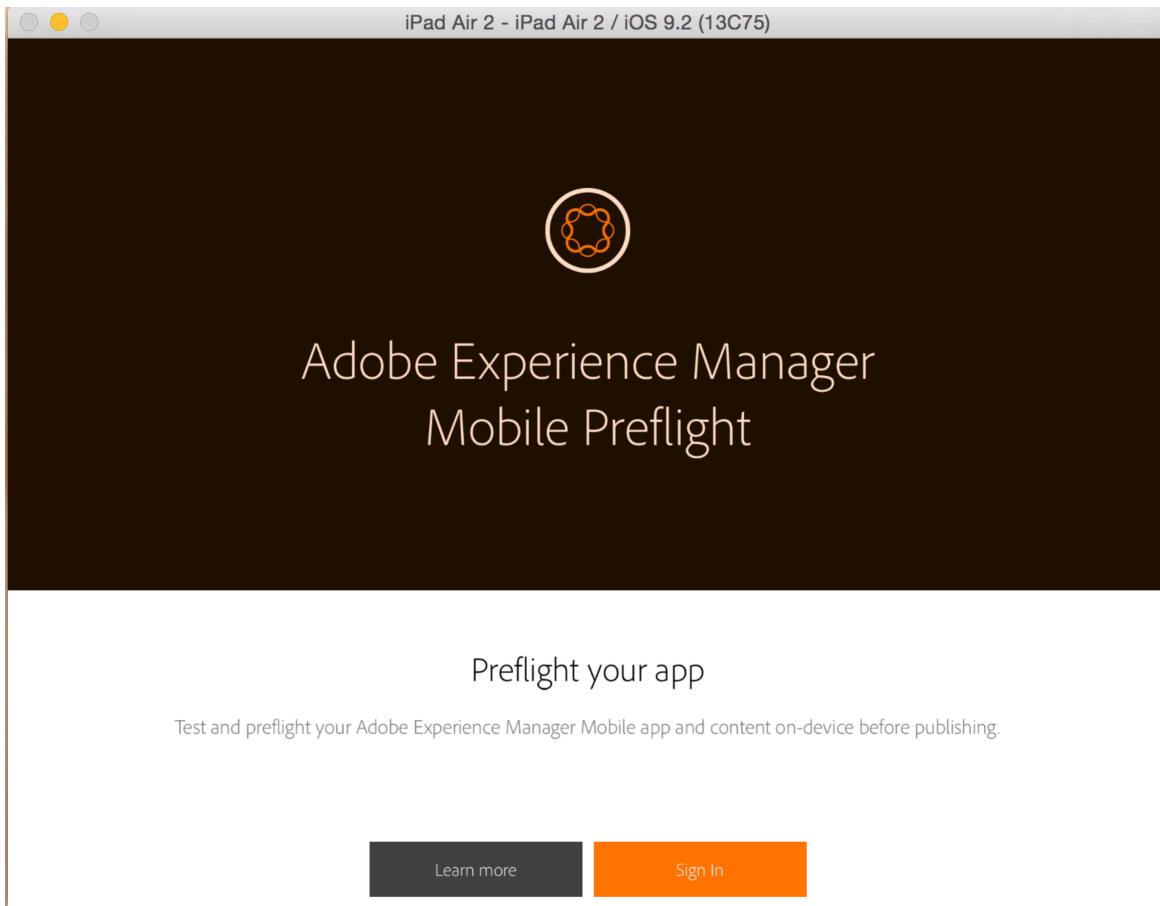


8. Emulator will launch. Now make sure that the emulator display is rotates
 - a. Command + Left Arrow
9. The display is as shown below



10. Now launch the AEM Preflight

11. You will be presented with screen as below



12. Now authenticate into AEM Preflight using the exact details as used for the Web AEM MoD Service.
13. Now, select the project you are allocated to (This is very important)
14. You will be prompted for Updates. Please press update. Upon update, all information is downloaded to your local devices and displayed as below.



15. Some Screenshot of what is expected is below

Page Screenshot	Page Name
	WeTelco Home Page
	Shop Page

APPLE IPHONE 6

Apple iPhone 6 \$0.00



From \$77 per month (24 month minimum term. Minimum total cost \$1848)

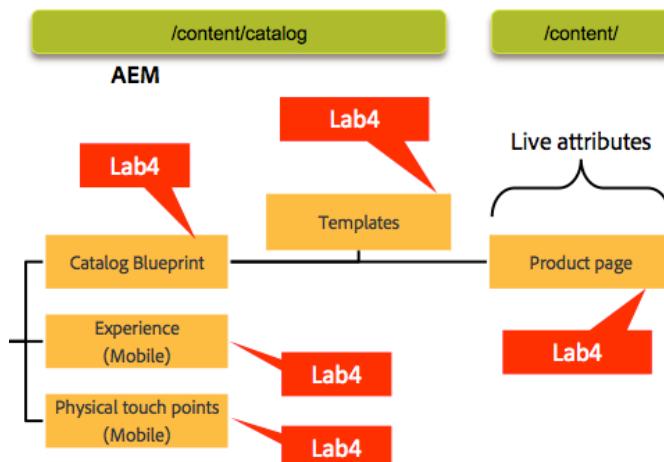
© WeTelco

Device Page (Product)

16. View the rolled out pages for PhoneGap framework here -

<http://localhost:4502/content/phonegap/weTelco/en/home/shop.html> (which was previously empty).

17. Congratulations!!!! You have now used Commerce API along with AEM MoD service API to Rollout pages to create a mobile experience for users.





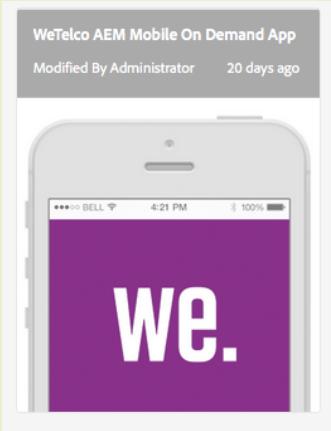
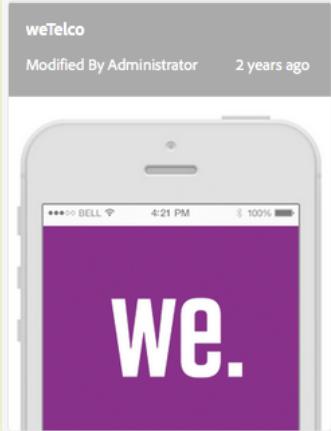
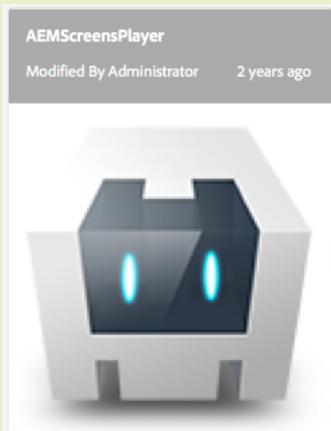
5 References

1. Create your sample maven multi module project - <https://github.com/Adobe-Marketing-Cloud/aem-project-archetype>
2. <https://helpx.adobe.com/digital-publishing-solution/how-to/get-started-digital-publishing.html?set=digital-publishing-solution--get-started--ready-to-use>
3. <https://docs.adobe.com/docs/en/aem/6-1/administer/ecommerce.html>
4. <https://docs.adobe.com/docs/en/aem/6-1/administer/ecommerce.html>
- 5.

6 Appendix

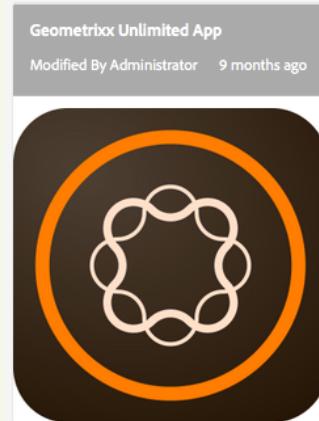
6.1 AEM Mobile – Interface

1. Go to <http://localhost:4502/aem/apps.html/content/mobileapps>
2. Get familiar with the AEM 6.2 AEM Mobile interface

NAME	Image
WeTelco AEM Mobile On Demand App	
WeTelco AEM Mobile App Built using PhoneGap and IONIC framework	
Default AEM Screens Player	



Geometrixx Unlimited App
(Built using AEM Mobile On Demand Service)



Geometrixx
(Built using PhoneGap development framework)



6.2 AEM Mobile – Brief Anatomy of a Mobile App built using Adobe PhoneGap framework in AEM

1. Go to <http://localhost:4502/aem/apps.html/content/mobileapps>
2. Get familiar with the AEM 6.2 AEM Mobile interface

Location	Description
/content/phonegap	Location for all PhoneGap Apps
/content/phonegap/weTelco	WeTelco Adobe PhoneGap App Managed from AEM
/content/phonegap/weTelco/shell	WeTelco PhoneGap App Shell with all Configuration to create a PhoneGap App
/content/phonegap/weTelco/en	WeTelco PhoneGap Content managed from AEM
/content/mobileapps	Location for all AEM Mobile On Demand Apps
/content/mobileapps/wetelco-aem-mobile-app	WeTelco AEM Mobile On Demand App
/content/mobileapps/wetelco-aem-mobile-app/collections	WeTelco AEM Mobile On Demand Collections
/content/mobileapps/wetelco-aem-mobile-app/articles	WeTelco AEM Mobile On Demand Articles

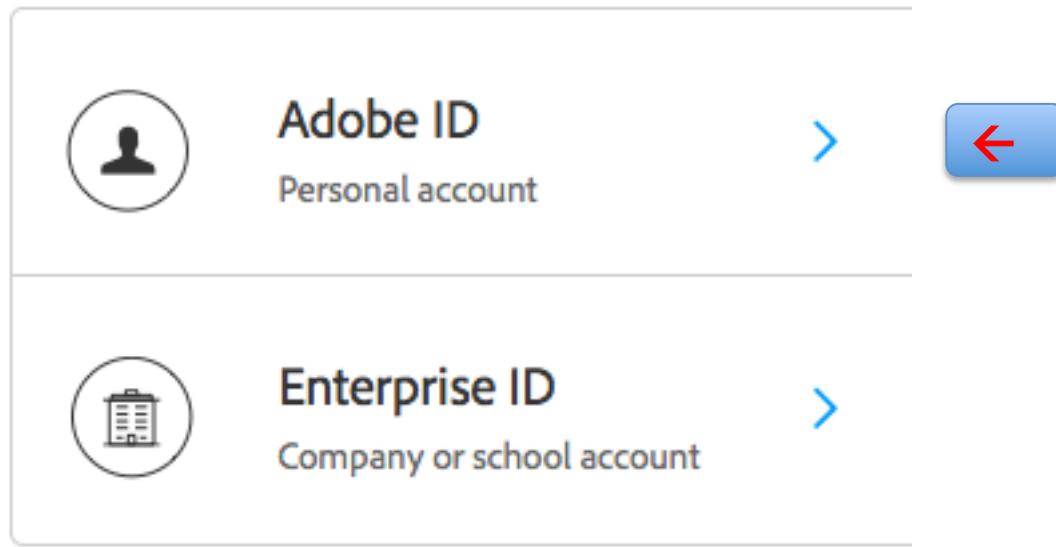
6.3 AEM Mobile On Demand Service – UI Brief Overview

1. Go to <https://aemmobile.adobe.com/signin/index.html>
2. Click on Sign in
3. Authenticate using username provided.



4. When prompted for Choose an Account, choose Adobe ID

Choose an account for vvenkata@adobe.com



5. Enter password supplied and press enter.
6. Go into **Content & Layouts**
7. This section has all the
 - a. Content - Articles, Banners
 - b. Collection - Grouping of Content into Collections and Collections into Collections).
 - c. Layout Templates – Creating how the UI should look in the end.
 - d. Fonts – Fonts for content management
 - e. Content Map – Map of content
8. Click on Content – You will notice there are no articles in here.
9. Click on Collection – You will notice the following setup in the Service WeTelco.

<input type="checkbox"/>	<input type="button" value="▼"/>		WeTelco	collection	3/2/16 11:57 AM
			Shop	collection	3/14/16 1:40 PM
			<i>My Account</i>	collection	3/2/16 11:57 AM
			<i>Find Us</i>	collection	3/2/16 11:57 AM
			<i>Help</i>	collection	3/2/16 11:57 AM

6.4 WeTelco - AEM Mobile On Demand Service – UI Brief Overview

1. Go to Appendix 6.5 to get an understanding of the WeTelco Mobile on Demand Service managed in AEM
<http://localhost:4502/libs/mobileapps/admin/content/dashboard.html/content/mobileapps/wetelco-aem-mobile-app>



Manage App



WeTelco AEM Mobile On Demand App

Last Modified 21 days ago by Administrator

1. AEM MoD Service App information.

Manage Connection



? Please select a Project Id

Cloud Config: Summit 2016 - Welco AEM MoD

Project: Not Set

2. AEM MoD Service configuration.

Manage Banners



TITLE

MODIFIED

UPLOADED

PUBLISHED

SOURCE

3. All Banners for AEM MoD Service.

No Banners found for this Project.



Manage Articles



TITLE

MODIFIED

UPLOADED

PUBLISHED

SOURCE

4. All Articles for AEM MoD Service.

No Articles found for this Project.



Manage Collections

**5. All Collections for AEM MoD Service.**

No Collections found for this Project.



6.5 Connecting AEM On Premise with AEM Mobile On Demand Service

6.5.1 Setup AEM Mobile on Demand Publishing Solution Client on OSGI

1. Go to <http://localhost:4502/system/console/configMgr>
2. Scroll down to “Experience Manager Mobile On-demand Services Client” and click the edit icon (pencil).
3. Enter Client ID and Client Secret obtained to connect to Adobe Mobile on Demand Service.

The screenshot shows the 'Experience Manager Mobile On-demand Services Client' configuration dialog. It contains two main sections: 'Configuration for the Experience Manager Mobile On-demand Services Client' and 'Configuration Information'.

Configuration for the Experience Manager Mobile On-demand Services Client:

- Client Id:** `*****` (Note: The actual value is masked)
- Client Secret:** `*****` (Note: The actual value is masked)
- Minimum thread pool size:** `10`
- Maximum thread pool size:** `20`
- Access token cache expiry:** `30`
- Environment:** `Experience Manager Mobile On-demand Services Cloud Environment, leave blank unless access was granted in other environments (environment)`

Configuration Information:

- Persistent Identity (PID):** `com.adobe.cq.mobile.dps.impl.service.AdobeDPSClient`
- Configuration Binding:** `Unbound or new configuration`

At the bottom right, there are buttons for **Cancel**, **Reset**, **Delete**, **Unbind**, **Save**, and a **Help** icon.



6.5.2 Setup AEM Mobile on Demand Publishing Solution Client:

1. Go to <http://localhost:4502/miscaadmin>
2. Go to <http://localhost:4502/miscaadmin#/etc/cloudservices>
3. Click on **Adobe Experience Manager Mobile On-demand service**
4. Click **New**

Title	Name	Published	Modified
Summit 2016 - Welco A...	Summit2016WeTel...	03-Ma	

5. This should open up create configuration window for Adobe Mobile On Demand Service. Enter **Title** and **Name** and click **Create** (Name should have no spaces)

Create Page

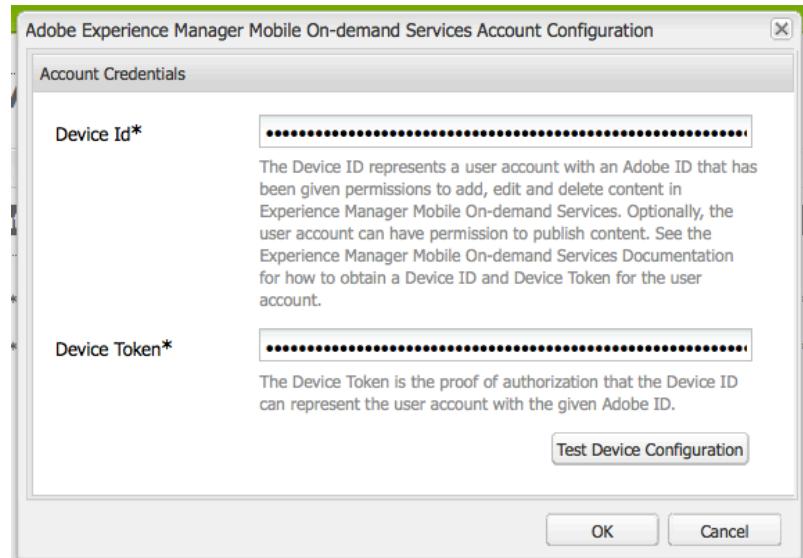
Title*

Name

Adobe Experience Manager Mobile On-demand Services
This Cloud Configuration represents an AdobeID with permissions to Adobe Experience Manager Mobile On-demand Services Projects. Create a Configuration by giving it a Title and Name to reference it later on. Then set credentials for the user that has permissions to add, edit and delete content in Adobe Experience Manager Mobile On-demand Services Projects.

Create **Cancel**

6. Now, in the **Adobe Experience Manager Mobile On-demand Service Account Configuration**, enter the Device Id and Device Token and Test Device Configuration to validate the ID and Token.





6.6 AEM Mobile – Using PhoneGap Framework and CIF

6.6.1 Task: Roll Product pages for using PhoneGap framework in AEM Mobile and Commerce

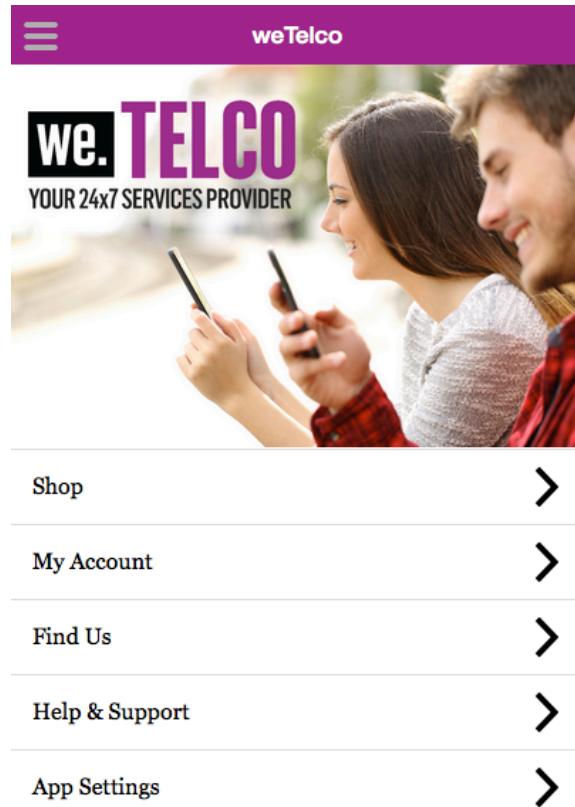
6.6.2 Observation: AEM Mobile – WeTelco App Structure (Built using PhoneGap)

1. Go to <http://localhost:4502/editor.html/content/phonegap/weTelco/en/home.html>

Shop	>
My Account	>
Find Us	>
Help & Support	>
App Settings	>

6.6.3 Observation: AEM Mobile – WeTelco App Structure (Built using PhoneGap)

1. Go to <http://localhost:4502/editor.html/content/phonegap/weTelco/en/home.html>



2. Click on Shop.

3. Shop is empty!!!!

6.6.4 Setup: Setup for AEM MoD Page rollout using AEM CIF

5. **Optional (If not already in Terminal):** Open terminal (if not already open)

6. **Optional (If not already in directory mentioned):** Navigate to

/Users/1322/Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel. Execute following command

```
cd Desktop/AEM-Commerce-Lab-WS/aem-commerce-omni-channel
```

7. Execute following command (to switch to lab4-optional branch in GitHub)

```
git checkout lab4-optional
```



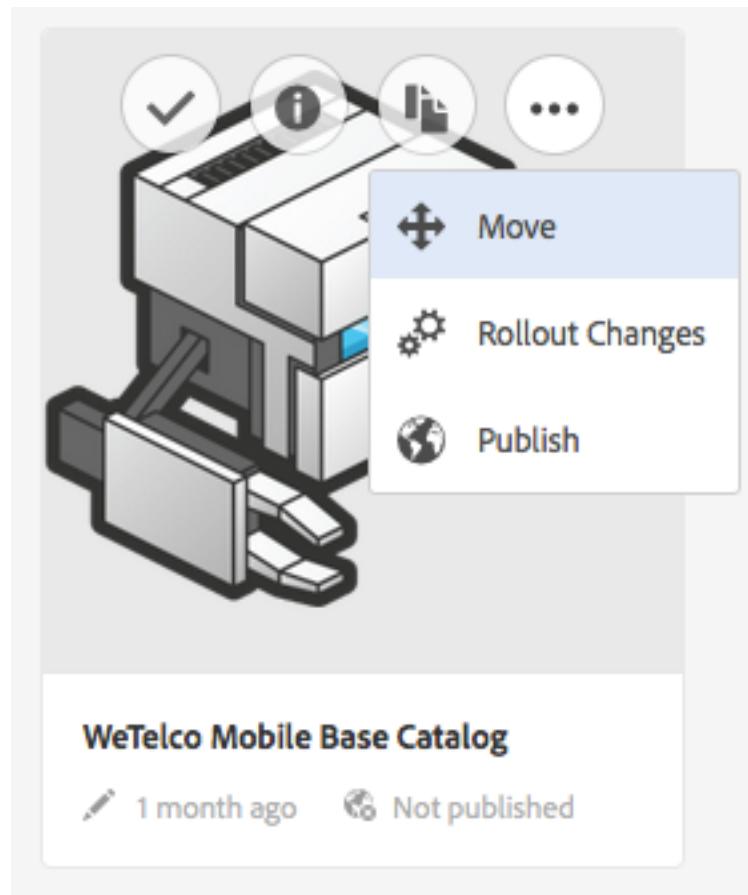
8. Execute following command (to install lab4-task2 material on AEM6.2)

```
sh init.sh
```

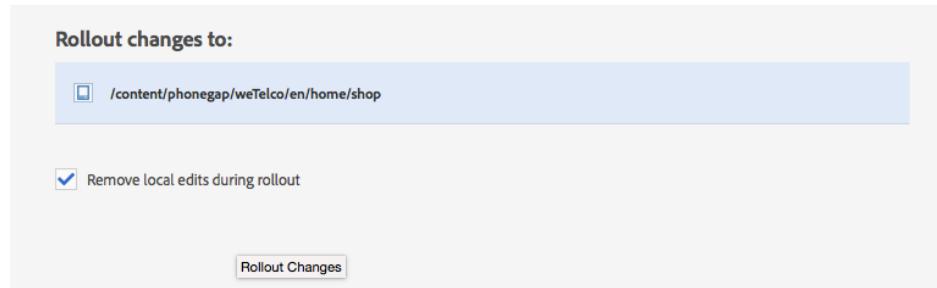
6.6.5 Tasks – Use AEM MoD Service API and AEM CIF API to generate and create AEM MoD Service Experience

13. Go to <http://localhost:4502/aem/catalogs.html/content/catalogs/wetelco/en>

14. Hover over **WeTelco Mobile AEM Base Catalog**, click on **More Actions** represented by circle with (...) and select **Rollout Changes**.

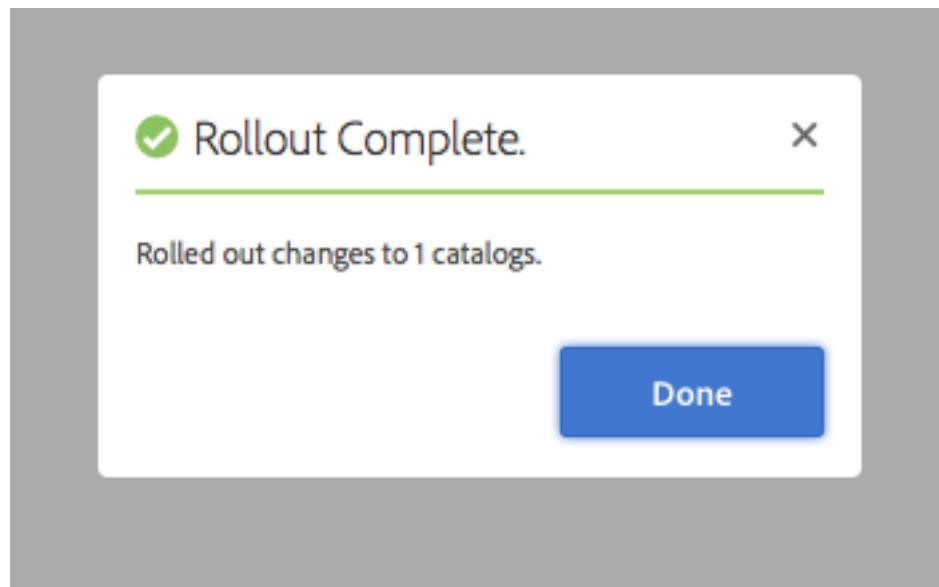


15. On next page for Rollout Changes, select **Remove Local edits during rollout**



16. Press Rollout Changes.

17. Now you will get a prompt saying rollout complete. This completes the rollout of the blueprint using product catalog to specific location in /content/wetelco/en/personal/shop location





18. Some Screenshot of what is expected is below

Page Screenshot	Page Name
	<p>Shop Home Page /content/phonegap/weTelco/en/home/shop.html</p>
	<p>Mobile Phones Page /content/phonegap/weTelco/en/home/shop/mobile-phones.html</p>
	<p>All Mobile on Plans Page /content/phonegap/weTelco/en/home/shop/mobile-phones/mobiles-on-a-plan.html</p>
	<p>Mobile Product Page /content/phonegap/weTelco/en/home/shop/mobile-phones/mobiles-on-a-plan.html</p>

19. Congratulations!!!! You have now used Commerce API along with AEM Mobile and PhoneGap framework to Rollout pages to create a mobile experience for users.