



HCL Digital Experience

# HDX-DEV-100

## Web Content Development

HCLSoftware U

Creating a new generation of experts

Edition February 2025

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## Introduction

This hands-on lab introduces you to the development parts of HCL Digital Experience (DX) Web Content Manager (WCM).

In this DX developer lab, you play the role of Gene, a developer for the fictitious Woodburn Studio company.



**Gene Hayes, Developer, based in Chicago (USA)**

As a DX Web Developer, you will experience how quick and easy it is to develop Web Content. You will create a Promotion Presentation Template to create and render DX Promotions. You will test this inside and outside of a DX page. You will also associate the Promotion Content Template with the Promotion Presentation Template in a Site Area and as a default association. You will also turn the content to a Page Component, so that Business Users can easily add them to pages.

Optionally, you may discover how to use the WCM Authoring to build new Content Templates and Content, to develop your Presentation Templates with your favorite code editor, how to easily create more WCM Page Components and Templates and how to build a list of Promotion content.



## Prerequisites

1. Completion of [HDX-INTRO](#) and [HDX-BU-100](#) courses, including the labs
2. Access to download the Lab Resources. In the same place where you have found this lab, you will find corresponding resources which you may download and unzip in your Desktop. This helps you to run the lab more easily, and you may later replace it by your own ones.
3. A local code editor. This lab provides instructions with Visual Studio Code (VSC): <https://code.visualstudio.com>
4. DXClient deployed and configured. See [HDX-DEV-100 Introduction](#) lesson to learn how to set this up.

You will be using the following user IDs and passwords:

Purpose	User	Password
SoFy Login	Your official email id	Your password
DX Login	ghayes (or wpsadmin)	HCL-Dem0 (or wpsadmin)

## Lab Overview

In this lab there are several parts to get you started developing with the DX Web Content Manager. These are shortly introduced now.

### Part 1: Check DX Promotion Content and Content Template in Authoring

In the HDX-BU-100 course, you have run a lab with the Content Composer, where you have created a Promotion Content Template and corresponding DX Promotion Content. You will discover how this looks like in Web Content Authoring. In **Optional Part 7: Create new DX Promotion Content Template and Content in Authoring**, you will find an alternative way to build this Content Template and Content directly in Web Content Authoring. This is what it may look like:

Libraries > Web Content > Content > Articles > DX Promotion

**DX Promotion** ☆

Status: Published | Last modified Yesterday 12:41:33 PM GMT by Sara Botello | Created by Sara Botello

Edit Add To Project... Preview Link More + Close

**Content** Properties

**Name:**  
DX Promotion

**Display title:**  
DX Promotion

**Description:**  
HCL Digital Experience Promotion

▼ **Product ID**

**Product ID**  
Use the first two characters for the product code and the last three for the number  
DX003

▼ **Promotion Link**

**Link:**

**URL:**  
https://www.hcltechsw.com/dx

**Display link as:**  
Text

**Link text:**  
HCL Digital Experience Home Page

▶ **Link Attributes**

▼ **Promotion Banner**

**Image:**

### Part 2: Create and Preview Presentation Template for DX Promotion Content

Then you will create a new corresponding Promotion Presentation Template using the tag helpers with render and edit tags and test it with the existing content.

**Presentation Template Options**

Export

```
<h1>[Property context="current" type="content" field="title"]</h1>

<!-- Short Text -->
<p>[Element context="current" type="content" key="Product ID"]</p>
[EditableElement key="Product ID" format="div" mode="dialog"]
  [Element key="Product ID"]
[/EditableElement]

<!-- Link -->
<p>[Element context="current" type="content" key="Promotion Link"]</p>

<!-- Image -->
<p>[Element context="current" type="content" rendition="auto" key="Promotion Banner"]</p>

<!-- File -->
<p>[Element context="current" type="content" key="Brochure"]</p>

<!-- Rich Text -->
<p>[Element context="current" type="content" key="Body"]</p>
```

Part 3: Map Promotion Presentation Template with Content Template

You will configure to associate your new DX Promotion Presentation Template with your corresponding Promotion Content Template. This will help to set the default presentation for all content based on the Content Template. You will do this in the Site Area using the Site Template Mappings

Site Area Properties

Path:

/Web Content/

Rendering Behavior:

Redirect to default content

Default Content:

Select Default Content

None

Site Area Template:

Default Site Area Template

Child Template Mappings:

Add

Edit

Remove

Authoring Template	Presentation Template
<input type="radio"/> Web Content / Promotion	Web Content / Promotion
<input type="radio"/> Web Content / Article	Web Content / Article Presentation

and in the Promotion Content Template.

Item Properties

Rendering type:

Content

Default Presentation Template:

Select Presentation Template

Web Content / Promotion

Summary Presentation Template:

Select Presentation Template

None

JSON Record Presentation Template:

Select Presentation Template

None

XML Document Presentation Template:

Select Presentation Template

None

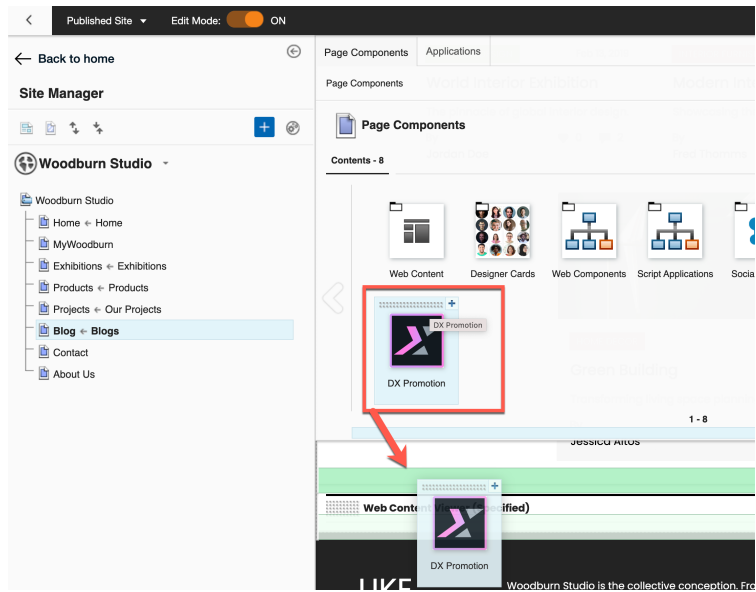
HTML Document Presentation Template:

Select Presentation Template

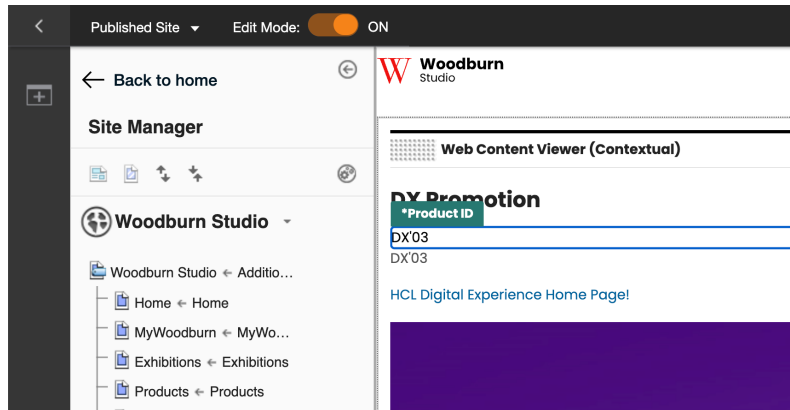
None

Part 4: Turn Content into a Site Manager Page Component and add to Page

To allow business user to add this new content to a page, you will turn it into a Site Manager Page Component with an easily identifiable image, add it to a page.



And edit it.



### Part 5: Create and Display a Promotion List using Menu Component

Use a Menu Component to build a list of promotion content and then show it on the same page. Create a second promotion for Volt MX and then configure a Menu Component to show all content based on the Promotion Content Template in a specific way, e.g. like

Promotion: DX Promotion

Product ID: DX003

Link: [HCL Digital Experience Home Page](#)

-----  
Promotion: Volt MX Promotion

Product ID: MX002

Link: [HCL Volt MX Home Page](#)

### Part 6: Update locally and push changes to server

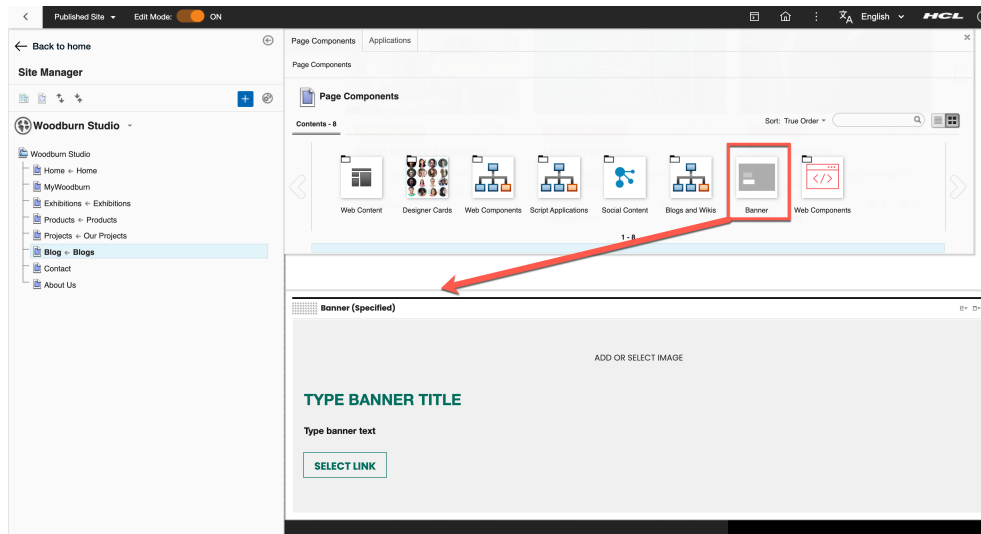
Use DXClient or WebDAV to access the design of Web Content Manager locally and then push your changes back to the server.

### Optional Part 7: Create new DX Promotion Content Template and Content in Authoring

In this optional part, you will learn that you can create the Content Template and Content in Web Content Authoring as well.

## Optional Part 8: Create more Page Component and Templates

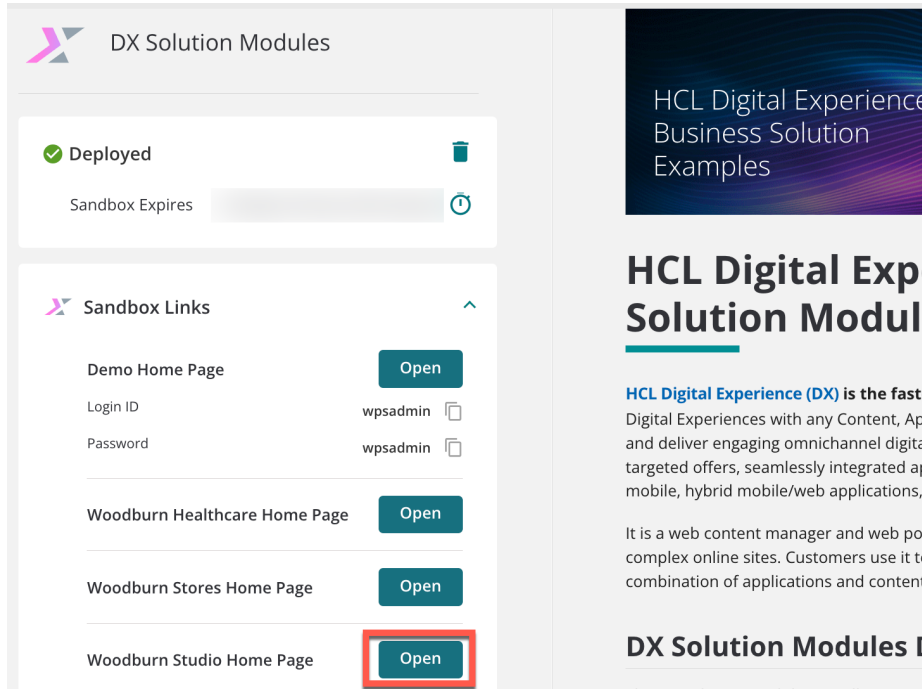
Web Content comes with a few ready to use Page Components and Templates. In this optional part, you may create one of these easily. There is a Banner Page component that you may add to a page and then edit.



## Part 1: Check the Content and Content Template in Authoring

In the HDX-BU-100 course, you have run a lab with the Content Composer, where you have created a Promotion Content Template and corresponding DX Promotion Content. You will discover how this looks like in Web Content Authoring. In **Optional Part 7: Create new DX Promotion Content Template and Content in Authoring**, you will find an alternative way to build this same Content Template and Content directly in Web Content Authoring.

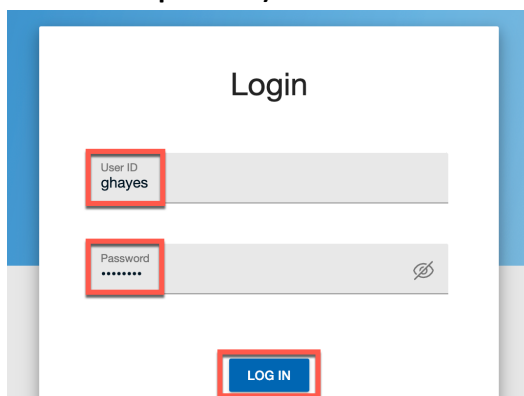
1. Go to the Web Content Authoring. On the server where the DX Solution Modules has been installed, next to **Woodburn Studio Home Page**, click **Open**.



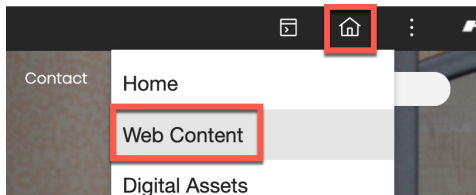
2. Log into your server as Gene Hayes. Click **Log in**.



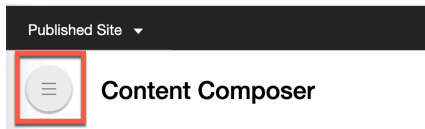
3. Then use the credentials of Gene (User ID: **ghayes**, Password: **HCL-Dem0** – if you do not have these, you may use the default administrator account with User ID: **wpsadmin**, Password: **wpsadmin**).



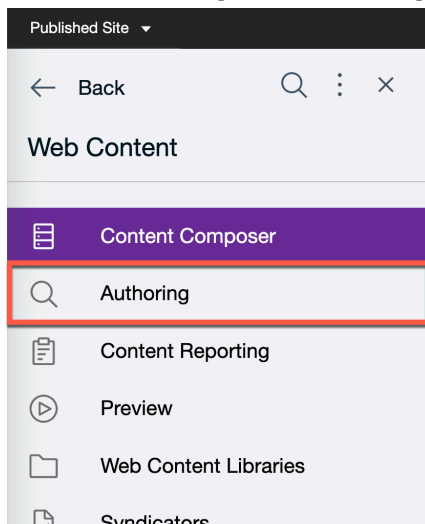
4. Then go to Web Content in the Practitioner Studio. Open the applications menu and click **Web Content**.



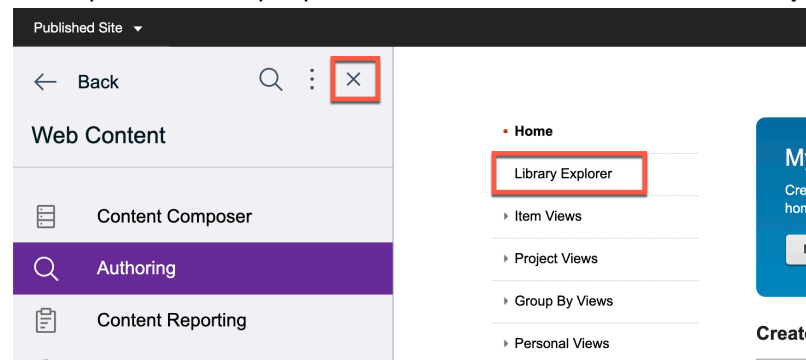
5. This opens the **Content Composer**. Open the menu, click the icon.



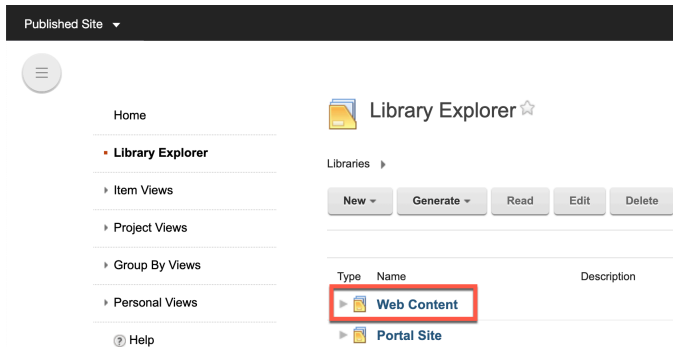
6. There are other options available here. In Content Reporting, you may create reports and update contents. In Web Content Libraries you can create new and manage the access of Web Content libraries. And there is a dedicated Preview page. You will now use the Web Content Authoring. Click **Authoring**.



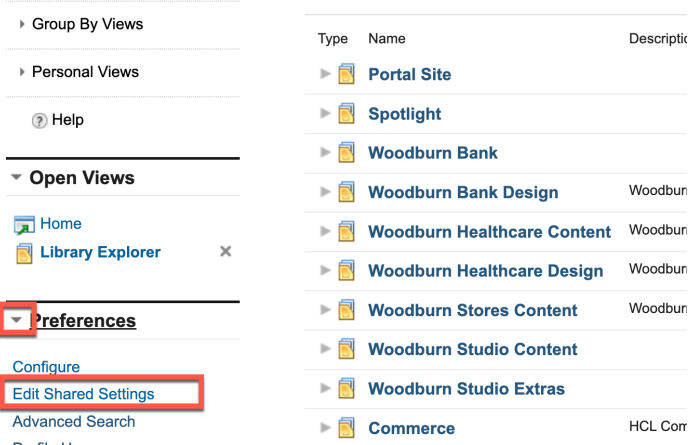
7. Then open the Library Explorer. Close the side bar and click **Library Explorer**.



8. This shows a different view with some of the same web content libraries as you saw in the Content Composer. Close the sidebar to get more space to work and then open the Web Content web content library where you have created the Content Template and Content previously. Click **Web Content**.

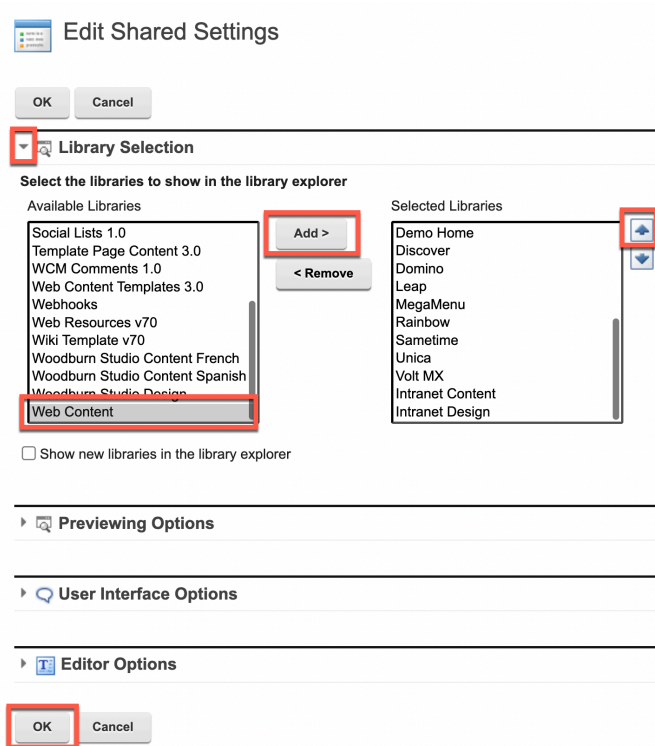


9. If this library is not showing, you may need to add it. In that case, open the **Preferences** and click **Edit Shared Settings**.

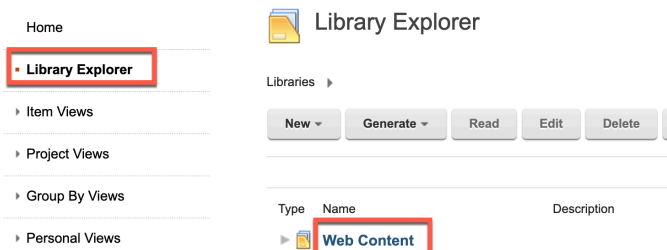




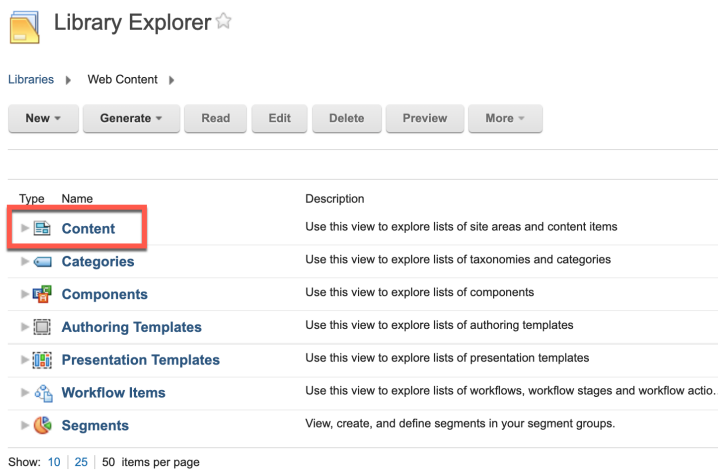
10. Then open the **Library Selection**, from Available Libraries select the **Web Content** library, and click **Add >** to move it to the Selected Libraries. You may use the up icon to move this to the top and then click **OK** to save your settings.



11. Select the **Library Explorer** and then **Web Content** library again.



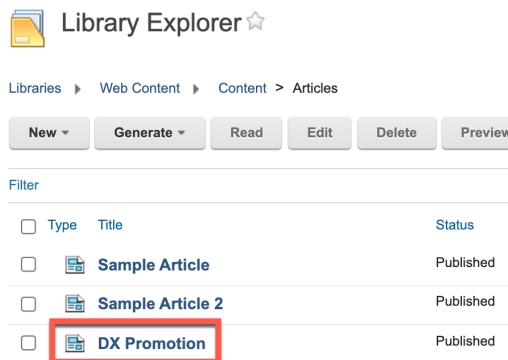
12. Have a look first at the Promotion Content. Later you will review the Promotion Template as well. This is under the Authoring Templates. Click **Content**.



13. You see the only site area in this library. Open it. Click **Articles**.



14. And here you the content you have created. Open it. Click **DX Promotion**.



15. You can verify your content **DX Promotion** as below. Now see how it looks like if you edit it. Click **Edit**.

Libraries > Web Content > Content > Articles > DX Promotion

**DX Promotion** ☆  
Status - Published | Last modified Yesterday 12:41:33 PM GMT by [Sara Botello](#) | Created by [Sara Botello](#)

**Edit** Add To Project... Preview Link More ▾ Close

**Content** Properties

**Name:**  
DX Promotion

**Display title:**  
DX Promotion

**Description:**  
HCL Digital Experience Promotion

---

▼ **Product ID**

**Product ID**  
Use the first two characters for the product code and the last three for the number  
DX003

---

▼ **Promotion Link**

**Link:**

**URL:**  
<https://www.hcltechsw.com/dx>

**Display link as:**  
Text


**Link text:**  
HCL Digital Experience Home Page

▶ **Link Attributes**

---

▼ **Promotion Banner**

**Image:**



16. Do not make any changes yet. Then check the Content Template used in Authoring. Click **Properties**.

Libraries > Web Content > Content > Articles > DX Promotion

**DX Promotion** ☆  
Status - Published | Last modified Today 3:06:52 PM GMT by [Gene Hayes](#) | Created by [Gene Hayes](#)

Save and Close ▾ Read Preview Apply Authoring Template More ▾ Close

**Content** **Properties**

**\*Name:** ? Properties  
DX Promotion

**Display title:** ? Localizations  
DX Promotion

**Description:** Localizations

---

▼ **Product ID**


**\*Product ID**  
Use the first two characters for the product code and the last three for the number'  
DX003

---

▼ **Promotion Link**

17. Then expand the **Content Properties** section and click the Content Template **Web Content / Promotion** to view it.

[Libraries](#) > [Web Content](#) > [Content](#) > [Articles](#) > DX Promotion

 **DX Promotion** ☆  
Status - Published | Last modified Today 3:06:52 PM GMT by [Gene Hayes](#) | Created by [Gene Hayes](#)

[Save and Close](#) [Read](#) [Preview](#) [Apply Authoring Template](#) [More](#) [Close](#)

[Content](#) **[Properties](#)**


**Type:**  
Content

**Location:**  
Web Content / Articles / DX Promotion

**Authors:** [Add Authors](#) ▼  
[Gene Hayes](#) ✕

**Owners:** [Add Owners](#) ▼  
[Gene Hayes](#) ✕

---

 **Content Properties**


**Content Template:**  
[Web Content / Promotion](#)

**Mapped Presentation Templates:**

Path	Presentation Template
/Web	
Content/Articles	

18. Have a look around and notice the extra Content Template settings and those under Properties and details on the used elements under the tabs Default Content and Default Content Properties.

[Libraries](#) > [Web Content](#) > [Authoring Templates](#) > Promotion

 **Promotion** ☆  
Status - Published | Created by [Gene Hayes](#)

[Edit](#) [Add To Project...](#) [Apply Authoring Template](#) [Preview](#) [More](#) [Close](#)


**Content Template** [Properties](#) [Default Content](#) [Default Content Properties](#)

**Name:**  
Promotion

**Display title:**  
Promotion

**Description:**  
None

---

 **Item Properties**

**Rendering type:**  
[Content](#) ▼

---

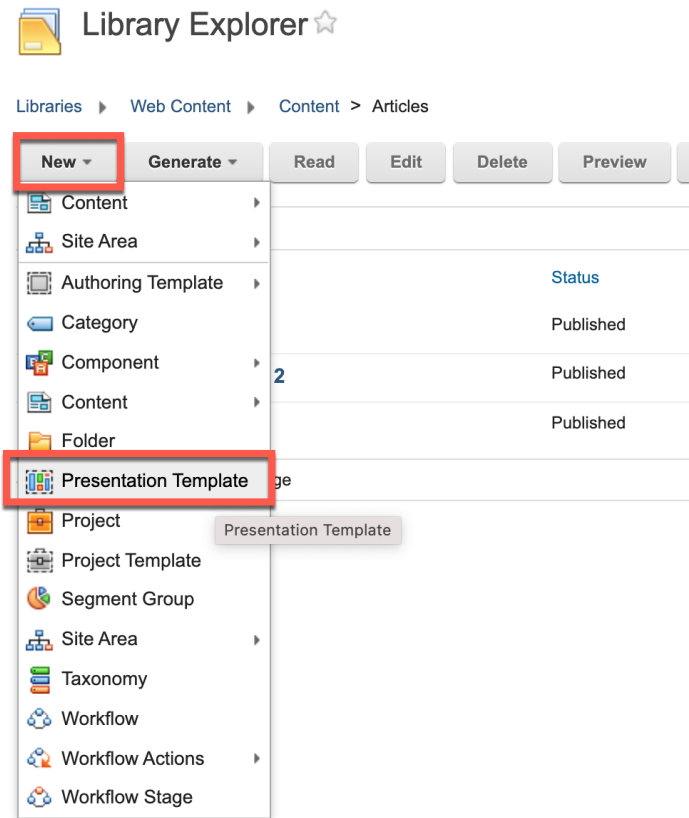
**Default Presentation Template:**  
None

You have successfully started using the Web Content Authoring and navigated through the library, site area and reviewed the content and its content template in this different user interface.

## Part 2: Create and Preview a Presentation Template for DX Promotion Content

In this part, you will create a new corresponding Promotion Presentation Template using the tag helpers with render and edit tags and test it with the existing content.

1. Create first the new Presentation Template in the current library. In the Library Explorer, click **New** and then select **Presentation Template** from the dropdown.



- Enter the name of the template **Promotion**. Optionally you can enter the description. Ensure it has the location selected as **Web Content** library. Then, you want to insert WCM tags that point to the title property and elements of your Promotion Content Template as a starting point. Click **Insert Element Tags**.

Untitled  
Created by [Gene Hayes](#)

Save and Close Add To Project... Add Workflow Close

Presentation Template Properties

\*Name: ?  
Promotion

Display title: Localizations

Description: Localizations

\*Location: Select Location  
Web Content

Presentation Template Options

Import Export Insert Tag Insert Element Tags Insert Link Insert Image

- A pop-up opens to select the Authoring Template from where to insert the elements. Select **Promotion** and click **OK**.

Insert Element Tags

Select an authoring template, then click **OK**. Element tags will be created for each element in the selected authoring template.

Libraries Web Content

Search

Display:

Filter

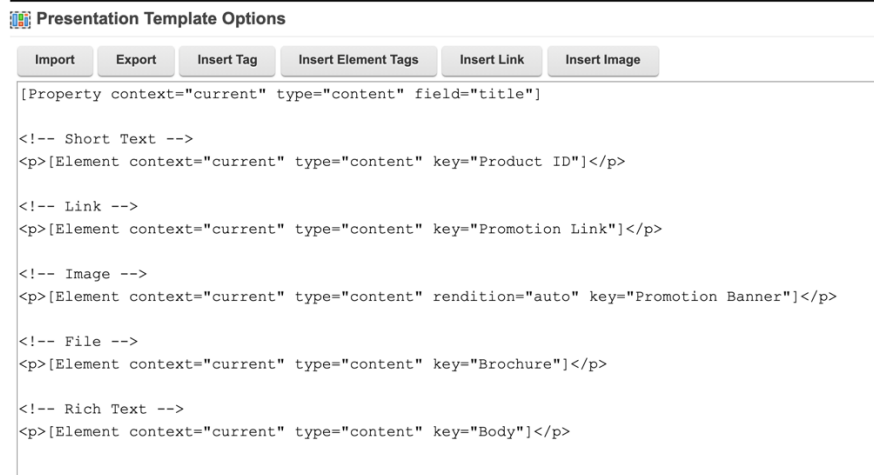
Type	Title	Status	Last Saved	Author
<input type="radio"/>	Article	Published	4/16/21, 1:46:11 AM GMT	
<input checked="" type="radio"/>	Promotion	Published	Yesterday 8:40:16 AM GMT	<a href="#">Sara Botello</a>

Show: 10 | 25 | 50 items per page

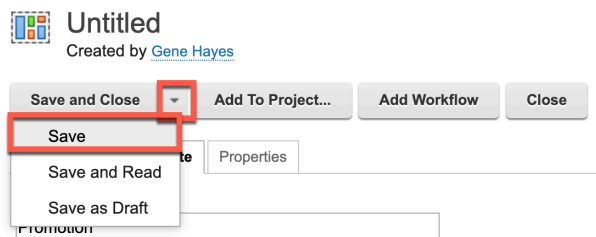
First | Previous | Next | Last

OK Cancel

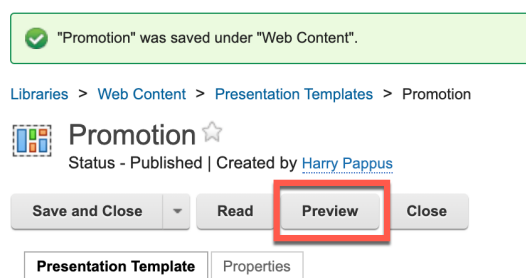
4. You can see now that the title profile and all the elements of the Content Template **Promotion**, have been inserted. There are 2 types of tags, HTML tags like <p> and WCM tags like [Property], for the meta-data, here the title field, and [Element], to view each element. There are different options allowing you to decide how to display it.



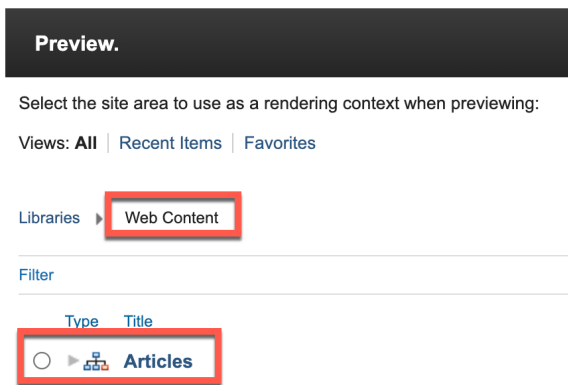
5. Now save the new template and test it. Click next to Save & Close to see more options and then click **Save**.



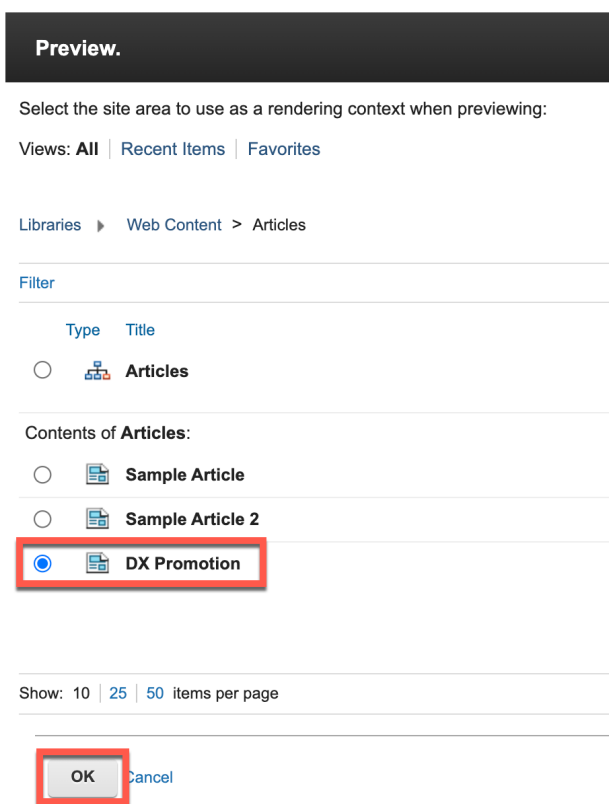
6. Notice it has been saved correctly (and you can close that message) and that you can now preview it. Click **Preview**.



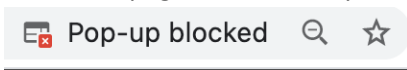
7. Then select your DX Promotion content under Articles. Click **Articles**.



8. And then **DX Promotion** and click **OK**.

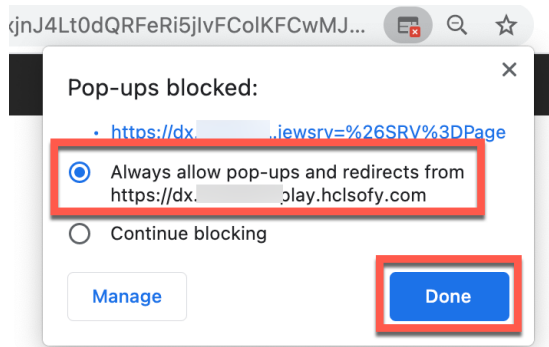


9. If no new page shows, it may be that it is blocked by a pop-up blocker.





10. Allow this now. Select **Always allows pop-ups and redirects from https://...** And click **Done**.

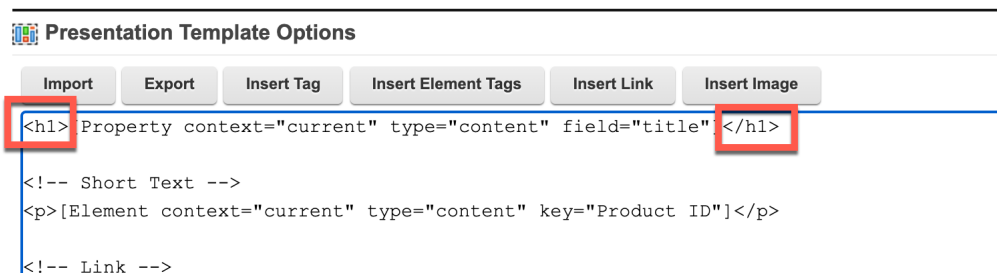


11. Then try Preview again. It now should open a new page that looks like this. Notice the URL that includes the library, site area, content, as well as the presentation template details.

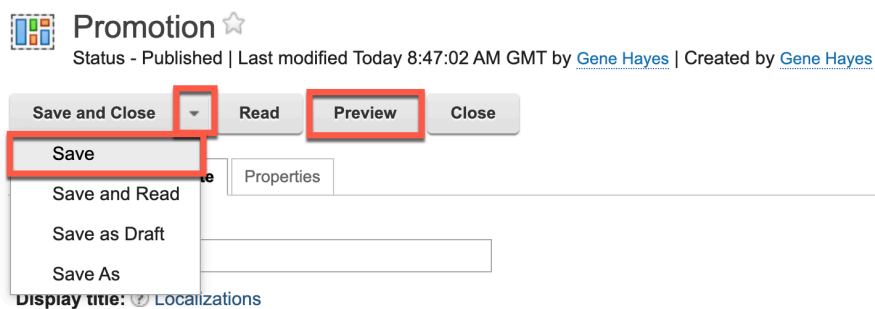


12. Now change the design and make the title a header tag 1. Enter the code and change it to

`<h1>[Property context="current" type="content" field="title"]</h1>`



13. Then test it again. Save first and then review again.



14. And now the title “DX Promotion” shows in header 1:

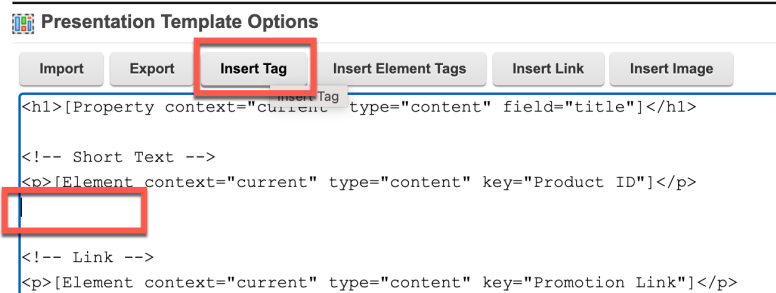
**DX Promotion**

DX003

[HCL Digital Experience Home Page](#)



15. Now you want to make the product ID editable in a DX page. For that you will use an EditableElement tag. Go back the presentation template, put your cursor under the Element tag of the Product ID and then click Insert Tag.



16. This pops up the Insert a Tag window. By default, it is set to use the Property tags with the content title selected. Click on Select a property field to see all available properties.

**Insert a Tag**

Select the type of tag to create, and then define parameters for the insert the tag at the current cursor location.

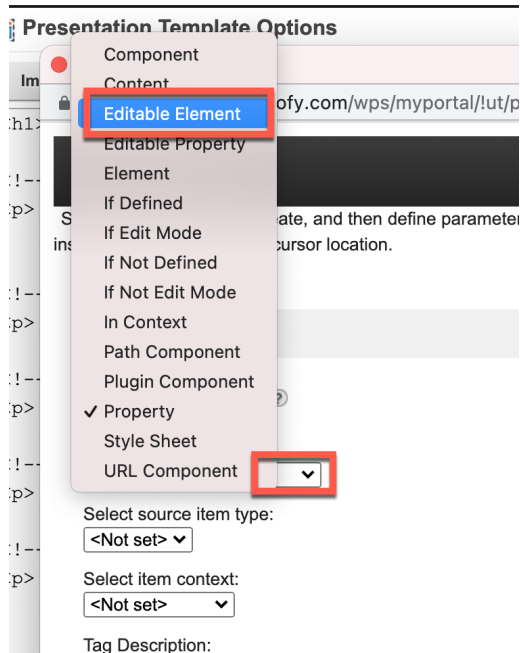
Tag:  
[Property field="title"]

Select a tag type:  
Property ▼

Select a property field:  
Title ▼

Select source item type:  
<Not set> ▼

17. As you can see there are many to choose from, in addition to name, title and description. Close it and then change the tag type from Property to EditableElement.



18. Notice different options and select the Promotion Content Template. Click **Select authoring template...**

**Insert a Tag**

Select the type of tag to create, and then define parameters for the selected tag. You can then either copy and paste the tag into your design or insert the tag at the current cursor location.

Tag:

```
[EditableElement key=""]
  [Element key=""]
[/EditableElement]
```

Select a tag type:

Select source item type:

Select item context:

Select the authoring template for elements to reference:  
 None Select authoring template...

Format:

Mode:

19. Then select **Promotion** and click **OK**.

### Select an authoring template

Select the authoring template to be used as the definition of the elements to select

Views: **All** | [Recent Items](#) | [Favorites](#)

Libraries ▶ Web Content

Filter

Type	Title	Status
<input type="radio"/>	<b>Article</b>	Published
<input checked="" type="radio"/>	<b>Promotion</b>	Published

Show: 10 | **25** | 50 items per page

**OK** None Cancel

20. Notice how this builds the tag for you. Change the Mode from Dialog to **Inplace** and click **OK**.

### Insert a Tag

Select the type of tag to create, and then define parameters for the selected tag. You can then either copy and paste the tag into your design, or click **OK** to insert the tag at the current cursor location.

Tag:

```
[EditableElement key="Product ID" format="div" mode="inplace"]
  [Element key="Product ID"]
[/EditableElement]
```

Select a tag type: **Editable Element** ?

Select source item type: **<Not set>**

Select item context: **<Not set>**

Select the authoring template for elements to reference:  
Web Content/Promotion **Select authoring template...**

Select the element to edit:  
**Product ID**

Format: **Div**

Mode: **Inplace**

Tag Description:  
The EditableElement tag is used to make elements from content items and site areas editable when rendered using a web content viewer portlet when the page is in edit mode.

☒ Include tag start and end.

**OK** Cancel

21. Check that you now have two tags to show the Product ID. Now save an preview it again.

**Promotion** ☆  
Status - Published | Last modified Today 8:47:02 AM GMT by [Gene Hayes](#) | Created by [Gene Hayes](#)

Save and Close Read Preview Close

Save  
Save and Read  
Save as Draft  
Save As

Properties

Display time: Localizations

Promotion

Description: Localizations

---

**Presentation Template Options**

Import Export Insert Tag Insert Element Tags Insert Link Insert Image

```
<h1>[Property context="current" type="content" field="title"]</h1>
[EditableElement key="Product ID" format="div" mode="inplace"]
  [Element key="Product ID"]
[/EditableElement]
<!-- Short Text -->
<p>[Element context="current" type="content" key="Product ID"]</p>
```

22. In your new preview, you will see the Product ID twice in read mode. The edit mode only works inside DX pages.

## DX Promotion

DX003

DX003

[HCL Digital Experience Home Page](#)

23. If you wish to further update the Presentation Template using the Presentation Designer, go to the **Presentation Templates** view, select the **Promotion** Presentation Template, click **More, Edit in Presentation Designer**.

Library Explorer ☆

Libraries > Web Content > Presentation Templates

New Generate Read Edit Delete Preview More

Filter

Type	Title	Status
<input type="checkbox"/>	Article Presentation	Published
<input checked="" type="checkbox"/>	Promotion	Published

Show: 10 | 25 | 50 items per page

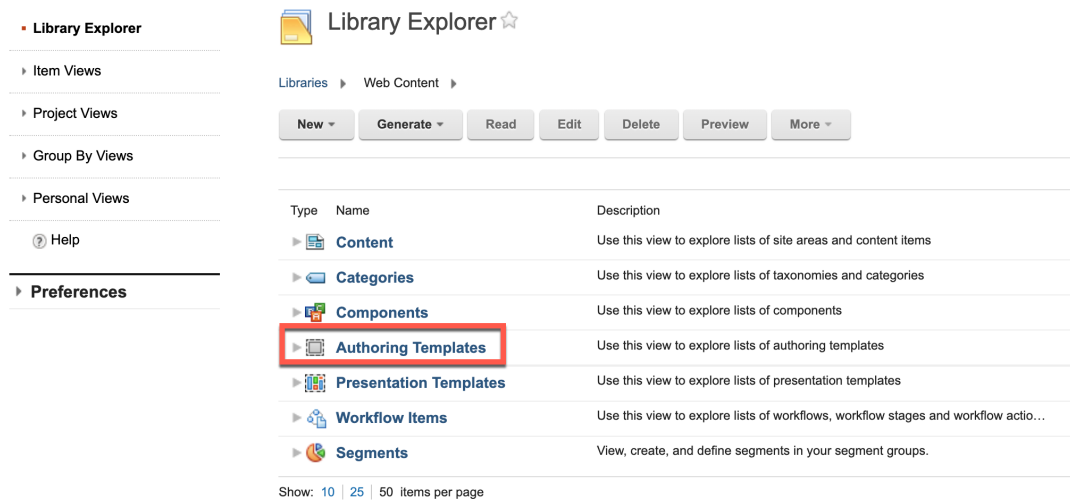
Edit in Presentation Designer  
Copy  
Move  
Set Access  
View References  
Unlock  
Purge

Congratulations! You have successfully created the new Promotion Presentation template using the elements from an existing Promotion Content Template and started preparing it to allow it to be edited directly in a page.

## Part 3: Map Promotion Presentation Template with Content Template

You will now configure to map your new Promotion Presentation Template with your corresponding Promotion Content Template. This will help to set the default presentation for all content based on that Content Template. You will do this in the Content Template and then apply this update to your existing content. Optionally you map it in the Site Area as well. This may be handy in the case you wanted to use a different one for that Site Area only.

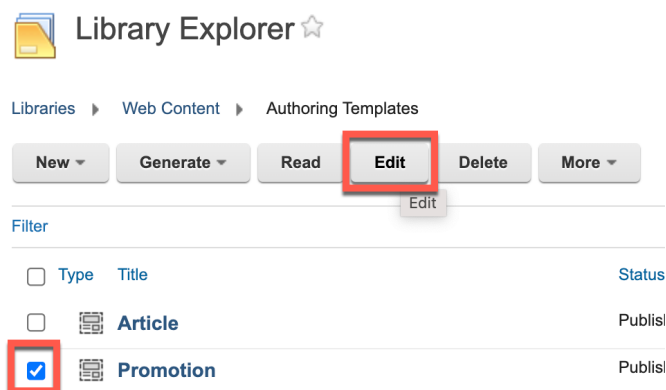
1. First open you Promotion Content Template to set this default mapping. It is under the Authoring Templates. Click **Authoring Templates**.



The screenshot shows the 'Library Explorer' interface. On the left is a sidebar with a menu containing 'Item Views', 'Project Views', 'Group By Views', 'Personal Views', 'Help', and 'Preferences'. The main area is titled 'Library Explorer' and shows a breadcrumb path: 'Libraries > Web Content >'. Below the breadcrumb are buttons: 'New', 'Generate', 'Read', 'Edit', 'Delete', 'Preview', and 'More'. A table lists various template types with their names and descriptions. The 'Authoring Templates' row is highlighted with a red box. At the bottom, it says 'Show: 10 | 25 | 50 items per page'.

Type	Name	Description
Content	Content	Use this view to explore lists of site areas and content items
Categories	Categories	Use this view to explore lists of taxonomies and categories
Components	Components	Use this view to explore lists of components
Authoring Templates	Authoring Templates	Use this view to explore lists of authoring templates
Presentation Templates	Presentation Templates	Use this view to explore lists of presentation templates
Workflow Items	Workflow Items	Use this view to explore lists of workflows, workflow stages and workflow actio...
Segments	Segments	View, create, and define segments in your segment groups.

2. You see the Promotion Content Template. Edit it. Select **Promotion** and then click **Edit**.




The screenshot shows the 'Library Explorer' interface with the breadcrumb path 'Libraries > Web Content > Authoring Templates'. Below the breadcrumb are buttons: 'New', 'Generate', 'Read', 'Edit', 'Delete', and 'More'. The 'Edit' button is highlighted with a red box. Below the buttons is a 'Filter' section with a table listing templates. The 'Promotion' template is selected, indicated by a checked checkbox in a red box.

Type	Title	Status
Article	Article	Publisi
Promotion	Promotion	Publisi

3. There are several presentation templates that may be associated, e.g. for summary, JSON, XML and HTML Document. For each you can set a different dedicated presentation template. Set the Default Presentation Template to your Promotion one. Click and then select **Web Content / Promotion**.


[Libraries](#) > [Web Content](#) > [Authoring Templates](#) > Promotion



**Promotion** ☆

Status - Published | Last modified Yesterday 8:40:16 AM GMT by [Sara Botello](#) | Created by [Sara Botello](#)

Save and Close Read Preview Manage Elements Close

Content Template Properties Default Content Default Content Properties


**\*Name:**  Promotion

**Display title:**  [Localizations](#)  
Promotion


**Description:** [Localizations](#)  
Promote a product

Item Properties


Rendering type:  
Content

**Default Presentation Template:**  [Select Presentation Template](#) ▼


None

**Summary Presentation Template:**  [Select Presentation Template](#) ▼


None

**JSON Record Presentation Template:**  [Select Presentation Template](#) ▼

None

**XML Document Presentation Template:**  [Select Presentation Template](#) ▼

None

**HTML Document Presentation Template:**  [Select Presentation Template](#) ▼

None


☐ Create content under a new site area

**Location options:**

Favorite Items
 

None

Recent Items
 

 Web Content / Promotion

4. Notice the new mapping, the (?) gives you details on that topic and other options below. Keep them unchanged for now. Then click **Default Content**.

[Libraries](#) > [Web Content](#) > [Authoring Templates](#) > Promotion

**Promotion** ☆  
Status - Published | Last modified Yesterday 8:40:16 AM GMT by [Sara Botello](#) | Created by [Sara Botello](#)

Save and Close Read Preview Manage Elements Close

Content Template Properties **Default Content** Default Content Properties

\*Name: ?  
Promotion

Display title: ? Localizations  
Promotion

Description: Localizations  
Promote a product

---

Item Properties

Rendering type:  
Content

Default Presentation Template: ?  
[Web Content / Promotion](#) ✕

Summary Presentation Template: None

JSON Record Presentation Template: ? [Select Presentation Template](#) ▼

If no valid template mapping exists for a content item, the default presentation template is used to render the content item. Typically this presentation template will render the content item as an HTML page fragment.

5. Here you see all the elements you have configured. Now click **Save and Read** to save your changes.

[Libraries](#) > [Web Content](#) > [Authoring Templates](#) > Promotion

**Promotion** ☆  
Status - Published | Last modified 11/17/21, 12:48:45 PM GMT by [Gene Hayes](#) | Created by [Gene Hayes](#)

Save and Close Read Preview Manage Elements Close

Save Save and Read Save as Draft Save and Read Save As

Display title: [Localizations](#)

Description: [Localizations](#)

---

Product ID

Product ID [Localizations](#)  
XX000

---

Promotion Link

Link: [Localizations](#)  
☒ External URL ☐ Web Content

Type a URL: ?

Display link as: [Localizations](#)  
☒ Text ☐ Image component

Link text: [Localizations](#)

☒ Use URL as link text

Link Attributes

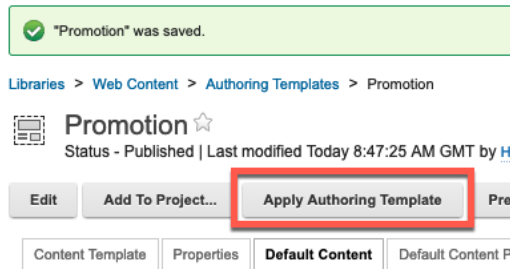
---

Promotion Banner

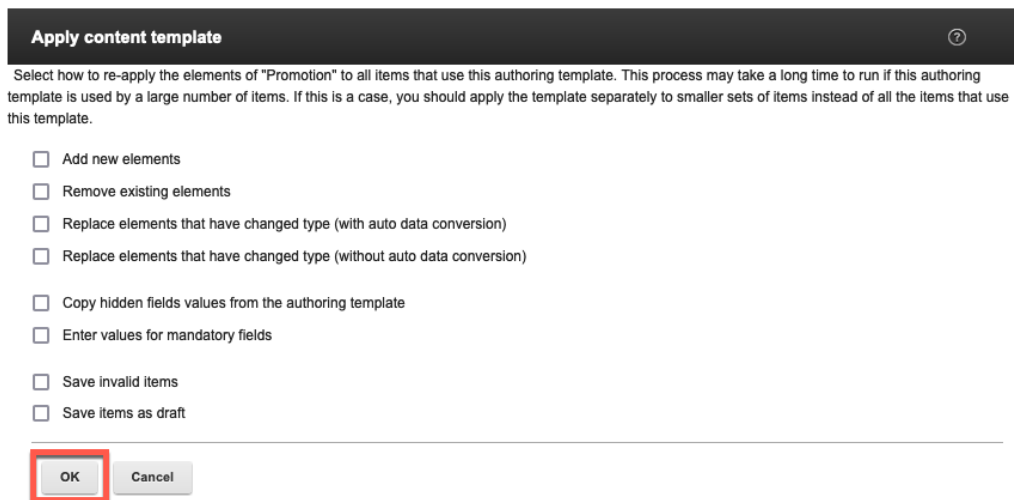
Digital asset source:  
Upload using file browser



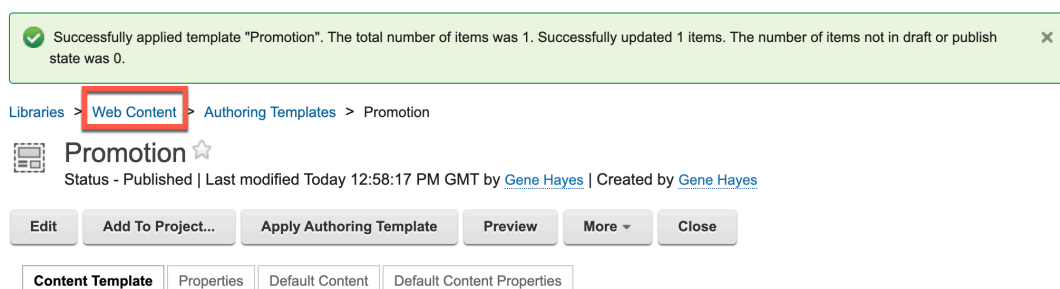
6. Now you need to apply your Content Template change to the existing content. Click **Apply Authoring Template** (notice that this only appears if you are in read mode of the Content Template. You also need to have administrator rights to do this. Gene may not have this).



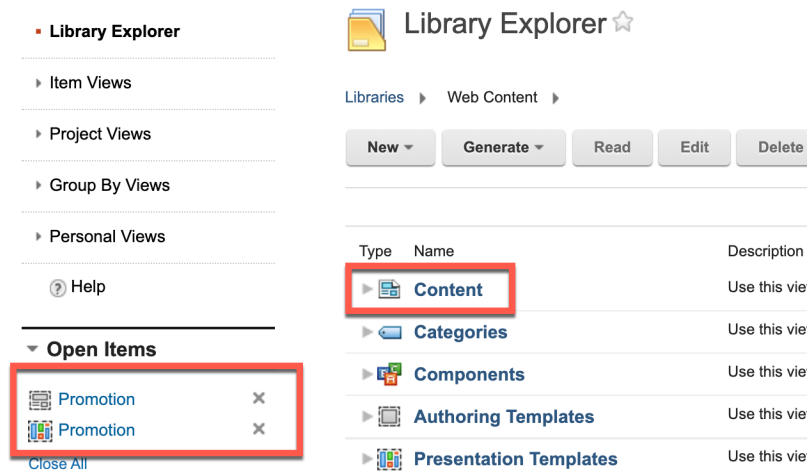
7. If you had added, changed, or removed elements, you may indicate this. In this case, there is nothing to check. Click **OK** to apply.



8. Optionally, you may set a different mapping for a specific site area. You can read through this or apply it on your instance. As you would use the same mapping, it would not give an effect. Go to the Articles site area in the Web Content library. Click **Web Content**.



9. Notice that you can easily re-edit the open items from the left. Then click **Content**.



**Library Explorer**

- Item Views
- Project Views
- Group By Views
- Personal Views
- Help

**Open Items**

- Promotion
- Promotion

Close All

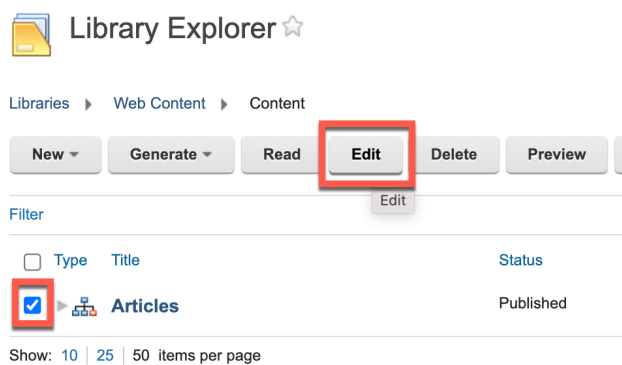
**Library Explorer**

Libraries > Web Content >

New Generate Read Edit Delete

Type	Name	Description
Content	Content	Use this vie
Categories	Categories	Use this vie
Components	Components	Use this vie
Authoring Templates	Authoring Templates	Use this vie
Presentation Templates	Presentation Templates	Use this vie

10. Then select the **Articles** site area and click **Edit**.



**Library Explorer**

Libraries > Web Content > Content

New Generate Read Edit Delete Preview

Filter

Type	Title	Status
Articles	Articles	Published

Show: 10 | 25 | 50 items per page

11. Here you see the details of the site area, including the existing child template mapping for the Article Authoring Template with its corresponding Article Presentation Template. You will add your Promotion to this. Click **Add**.

Libraries > Web Content > Content > Articles

**Articles** ☆  
Status - Published | Created by wpsadmin

Save and Close Read Preview Apply Authoring Template More Close

**Site Area** Properties

\*Name: Articles

Display title: Localizations (English: Articles)  
Articles

Description: Localizations

---

**Site Area Properties**

Path: /Web Content/

Rendering Behavior: Redirect to default content

Default Content: Select Default Content  
None

Site Area Template: Default Site Area Template

Child Template Mappings:

Add Edit Remove

Authoring Template Presentation Template

Web Content / Article Web Content / Article Presentation

Save and Close Read Preview Apply Authoring Template More Close

\* Required Fields

12. Then select **Promotion** and click **Next**.

**Define Template Mappings**

To define a template mapping, first select an authoring template. Then, click **Next**.

Views: All Recent Items Favorites

Libraries > Web Content

Filter

Type	Title	Status
<input type="radio"/>	Article	Published
<input checked="" type="radio"/>	Promotion	Published

Show: 10 25 50 items per page

Back Next Finish Cancel

13. Notice that your Promotion template is locked, as you are editing it. Select **Promotion** and click **Finish**.

**Define Template Mappings**

Select a presentation template. You can click **Back** to go to the previous save the mapping.

Views: **All** | Recent Items | Favorites

Libraries ▶ Web Content

Filter

Type	Title
<input type="radio"/>	Article Presentation
<input checked="" type="radio"/>	Promotion

Show: 10 | 25 | 50 items per page

Back Next **Finish** Cancel

14. Check that the mapping is added and then click **Save and Close**. Each Promotion content, created with the Promotion Content Template, in this site area will now automatically be shown with the Promotion presentation template.

**Site Area Template:**  
Default Site Area Template

**Child Template Mappings:** ?

Add Edit Remove

Authoring Template	Presentation Template
<input checked="" type="radio"/> Web Content / Promotion	Web Content / Promotion
<input type="radio"/> Web Content / Article	Web Content / Article Presentation

**Save and Close** Read Preview Apply Authoring Template

\* Required Fields

15. That is all. You may close the messages.

The selected rendering behavior needs a default content, but no content is specified. The first child content will be rendered instead.

"Articles" was saved.

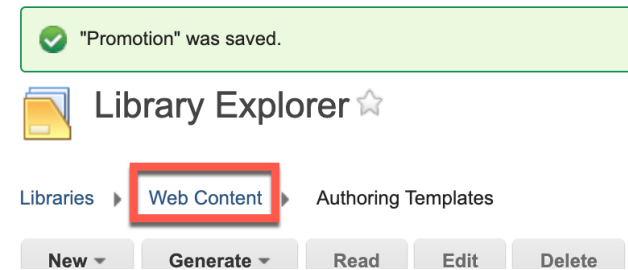
Library Explorer ☆ Search

You have successfully mapped your Promotion Content Template with your Promotion Presentation Template specifically and learned how to apply it specifically for a Site Area as well.

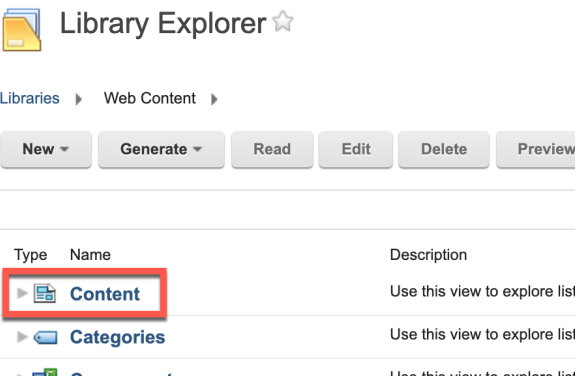
## Part 4: Turn Content into a Site Manager Page Component and add to Page

To allow business user to add this new content to a page, you will turn it into a Site Manager Page Component with an easily identifiable image. For this you will add a special keyword and a nice preview image to the content. Then you will test it and add to a page.

1. To make this work, you need to edit your existing content in Web Content Authoring. Click **Web Content**.



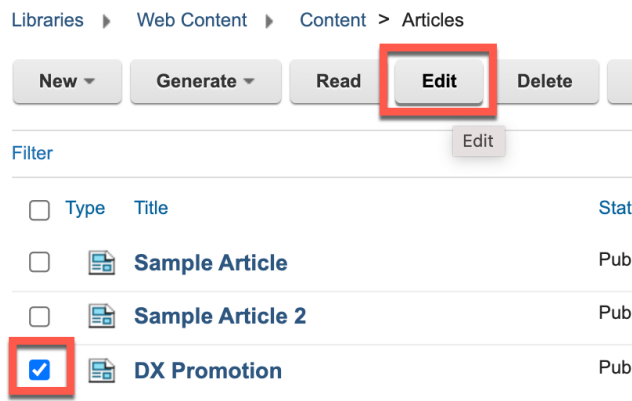
2. Then **Content**.



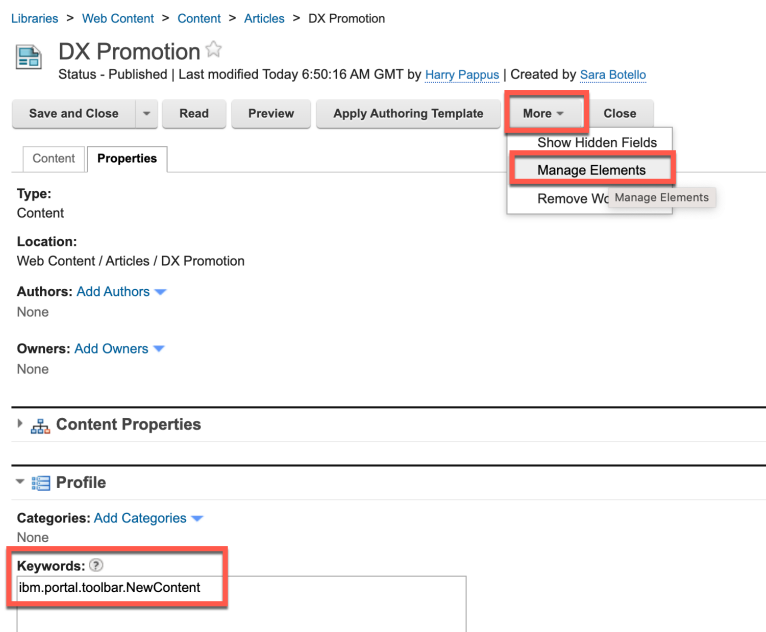
3. Then **Articles**.



4. Then select **DX Promotion** and click **Edit**.



5. To make this DX Promotion content appear in the toolbar, you need to add a special keyword and a 'preview' image that allows you to identify it easily. You do this with a special image element, named 'preview-image'. This element is not yet part of the Content Template. First add the keyword to this content. Under the **Profile** section, in the **Keywords** field, insert **ibm.portal.toolbar.NewContent**. Note that if you use this keyword in a site area, the site area will appear as a folder or category in your toolbar with all the content below it as page components. Then add the preview-image element. Click **More** and **Manage Elements**.



6. Select **Image** as the Element type, name it **preview-image** and then click **Add**.

**Element Manager**

To add a new element, select an element type and then enter a Name and a Display Title.  
If a Display Title is not specified, then the Name field will be used instead.

**Element type:**  
Image

**\*Name:**  
preview-image































**Display title:**

Display Title Localization: ?  
None

**Add**


Element type	Name	Display title
Image	preview-image	

7. Your new element should show on the bottom. Click **OK** to close the Element Manager.

Element type	Name	Display title	
Short Text	Product ID	Product ID	    
Link	Promotion Link	Promotion Link	    
Image	Promotion Banner	Promotion Banner	    
File	Brochure	Brochure	    
Rich Text	Body	Body	    
Image	preview-image	preview-image	    

**OK** **Cancel**

8. Then go back to the Content tab to add an image. Click **Content**.

 **DX Promotion** ☆  
Status - Published | Last modified Tod

**Save and Close** **Read** **Preview**

**Content** **Properties**

9. Scroll down to find the new preview-image. Then click **Upload**.

▼ **preview-image**

**Image:**

**Upload**


► **Image Attributes**

► **Renditions**

10. From your downloaded resources, select the HCL DX logo file: **dx-logo.png**. Then save it. Click **Save and Close**.

▼ preview-image

Image:



dx-logo.png

Upload Remove

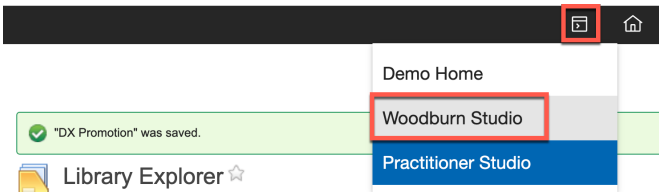
► Image Attributes

► Renditions

Save and Close Read Preview Apply Authori

\* Required Fields

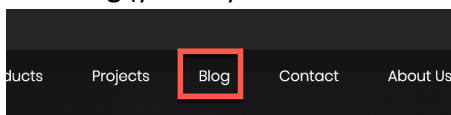
11. Notice that the preview image is applied to your content. Then go to the Woodburn Studio site and add it to the Blog page (or Promotions, if you have created this before). Open the site menu and click **Woodburn Studio**.



The screenshot shows the Woodburn Studio site menu. The menu is open, showing options: Demo Home, Woodburn Studio (highlighted with a red box), and Practitioner Studio. A green notification bar at the top says "DX Promotion" was saved. Below the menu, there is a "Library Explorer" section with a table of articles.

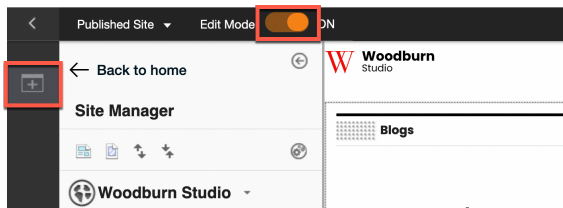
Type	Title	Status	Last Saved	Author
<input type="checkbox"/>	Sample Article	Published	4/16/21, 12:47:57 AM GMT	
<input type="checkbox"/>	Sample Article 2	Published	4/16/21, 12:47:57 AM GMT	
<input type="checkbox"/>	DX Promotion	Published	Today 8:47:15 AM GMT	


12. Click **Blog** (you may need to select it from the navigation menu on the right).

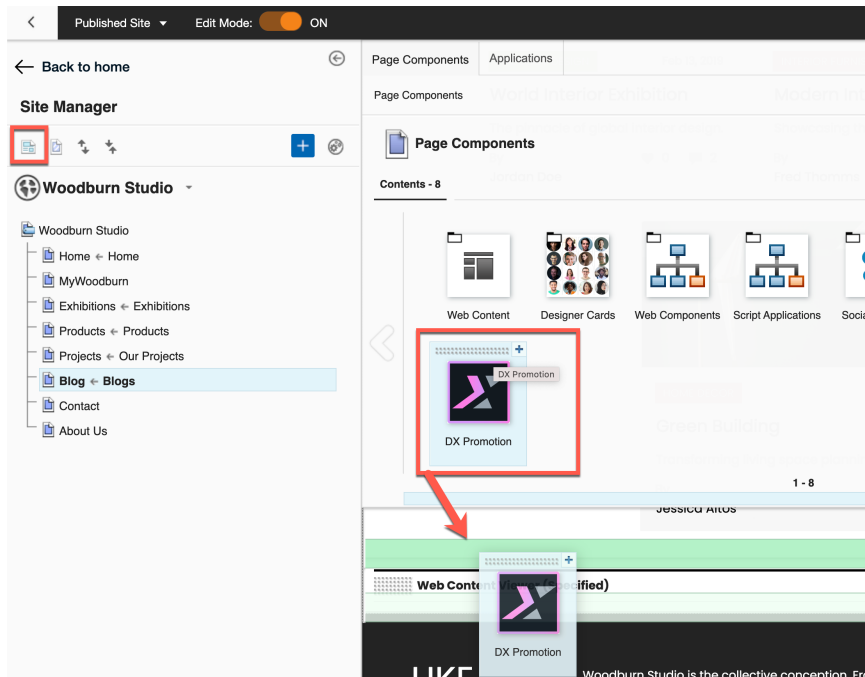




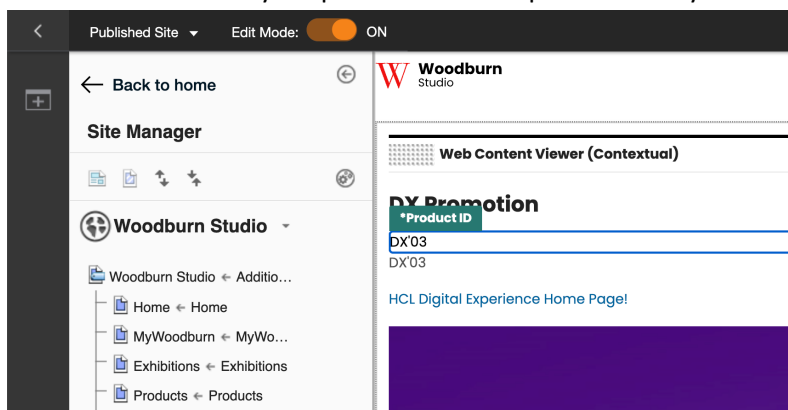
13. Turn the Edit Mode on and click **Add page components and applications**.



14. Your new DX Promotion shows under Page Components. Now drag & drop it just above the footer and then select Show content items in the tree view. Click .



15. You see your DX Promotion content under the Blog page in the tree view. In the page, you see the content with your presentation template. Notice you can edit the Product ID.

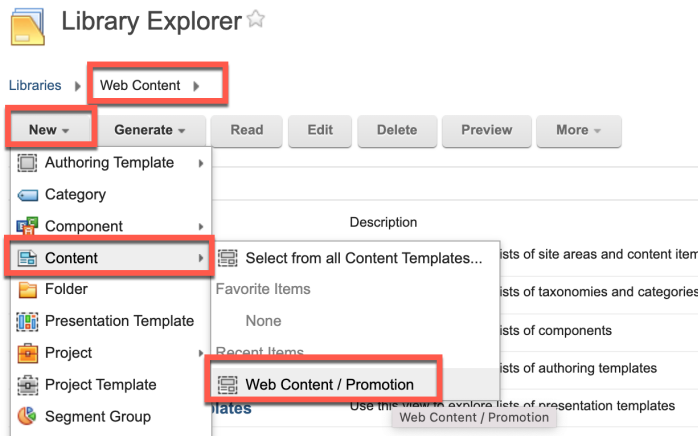


You have successfully turned your DX Promotion content to a new Page Component, managed to add this to your page and be able to update it using inplace editing.

## Part 5: Create and Display a Promotion List using Menu Component

Use a Menu Component to build a list of content and then show it on the same page. For this you will first create a second promotion, e.g. for HCL Volt MX and create a list of Promotions.

1. First create a second promotion. In Web Content Authoring, in the Library Explorer, click **New – Content – Web Content / Promotion**.



2. Name it **Volt MX Promotion**, select **Web Content/Articles** as location, use Product ID **MX002** and Promotion Link <https://www.hcl-software.com/volt-mx> and link text **HCL Volt MX Home Page** (uncheck Use URL as link text).

Untitled  
Created by Gene Hayes

Save and Close Add To Project... Show Hidden Fields Manage Elements Remove Workflow Close

Content Properties

\*Name: Volt MX Promotion

Display title: Localizations

Description: Localizations

\*Location: Select Location  
Web Content / Articles (Last child)

Product ID

\*Product ID  
Use the first two characters for the product code and the last three for the number  
MX002

Promotion Link

Link:  
☒ External URL  
☐ Web Content

Type a URL:  
https://www.hcl-software.com/volt-mx

Display link as:  
☒ Text  
☐ Image component

Link text:  
HCL Volt MX Home Page


☐ Use URL as link text

Link Attributes

- Then add the Volt MX Promotions assets to a new Volt MX Promotions collection and select the Promotion Banner and Brochure from the DAM. Use the Volt MX Promotions document to copy and paste the Body content.

▼ Promotion Banner

Image:



HCL Volt MX Banner.jpg

Select Remove

▶ Image Attributes

▶ Renditions

▼ Brochure

File:


HCL Volt MX Brochure.pdf

Select Remove

▼ Body

Body

Normal Font Size



Everything You Need to Know about HCL Volt MX

Your go-to guide for our industry-leading low code application development platform.

4. Click **Save and Close** to save it in the same place as your other DX Promotion under Web Content - Articles.

customer journeys, employ

Save and Close

Read

Pi

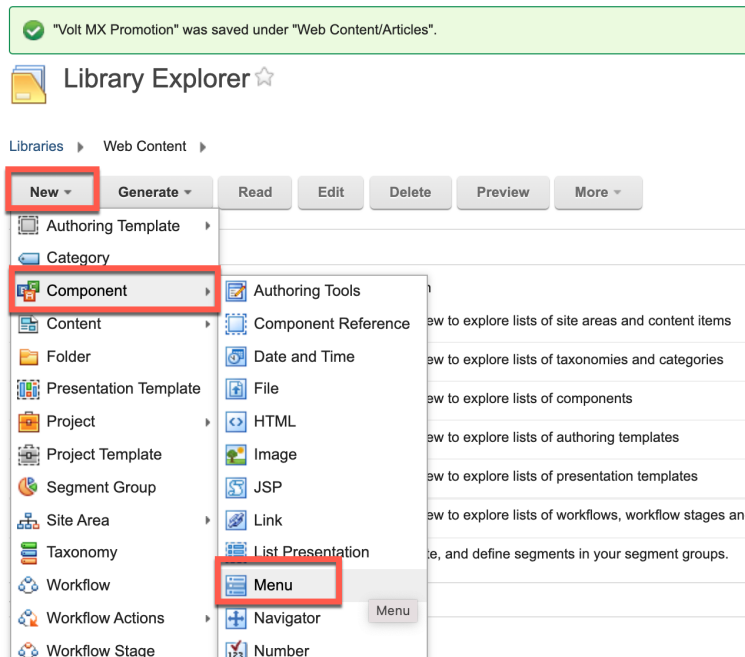
\* Required Fields

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5. Now you have two promotions, create a Promotion list. This is managed with a Menu Component. Create **New – Component – Menu Component**.



6. Name it, e.g. **Promotions**. Then set the Menu Criteria. You want it to select all content that is created on your Promotions Content Template. Select **Authoring Templates** and then click **Add Authoring Templates** to select your **Web Content / Promotion** Content Template.

The screenshot shows the 'Untitled' menu configuration form. The 'Menu' tab is selected. The 'Name' field is highlighted with a red box and contains the text 'Promotions'. The 'Display title' and 'Description' fields are empty. The 'Location' dropdown is set to 'Web Content'. The 'Menu Criteria' section is expanded, showing the 'Exclude current content from results' checkbox (unchecked). The 'Select the criteria to use when searching for content' section has the 'Authoring Templates' checkbox checked. The 'Authoring Templates' section is expanded, showing the 'Search for content items that use these authoring templates' section. The 'Add Authoring Templates' button is highlighted with a red box. Below it, the 'Web Content / Promotion' template is selected and highlighted with a red box.

7. Then you have some menu design and list paging properties. Keep then.

▼ Menu design properties

Display order:

☒ Ascending
 ☐ Descending

Sort results first by: 
 Then by: 
 Then by:

Formatting:

☒ Use default design fields
 ☐ Use a list presentation

---

▼ List Paging Options

Define the paging options for page navigation components used as part of this list presentation

Results per page: ?

Start page: ?

Maximum number of result pages:

Pages to read ahead: ?

8. Then you need to configure the options to manage the design for your list. You can set the header, result design for each content, footer, separator, and a design if no contents are found. Enter the Result Design and use the Insert Tag to enter the following

*Promotion: [Property field="title"]<br>*

*Product ID: [Element key="Product ID"]<br>*

*Link: [Element key="Promotion Link"]<br>*

▼ List Presentation Markup

Use HTML to define how list results are presented to your site visitors, including a header, fi

Header:

Import

Export

Insert Tag

Insert Link

Insert Image

---

Result design:

Import

Export

Insert Tag

Insert Link

Insert Image

Promotion: [Property field="title"]<br>

Product ID: [Element key="Product ID"]<br>

Link: [Element key="Promotion Link"]<br>

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9. Add a separator to easily distinguish the different promotions. E.g. in **Separator** enter **<br>-----<br>**. And enter **No promotions found** in the **No result design**.

Separator:

Import Export Insert Tag Insert Link Insert Image

**<br>-----<br>**

No result design:

Import Export Insert Tag Insert Link Insert Image

**No promotions found**

10. Then save it. Click **Save**.

Untitled

Created by [Gene Hayes](#)

Save and Close Add To Project... Add Workflow Close

**Save**

Save and F Save

Save as Draft

Promotions

11. And then preview it. Click **Preview**.

✓ "Promotions" was saved under "Web Content".

Libraries > Web Content > Components > Promotions

Promotions ☆

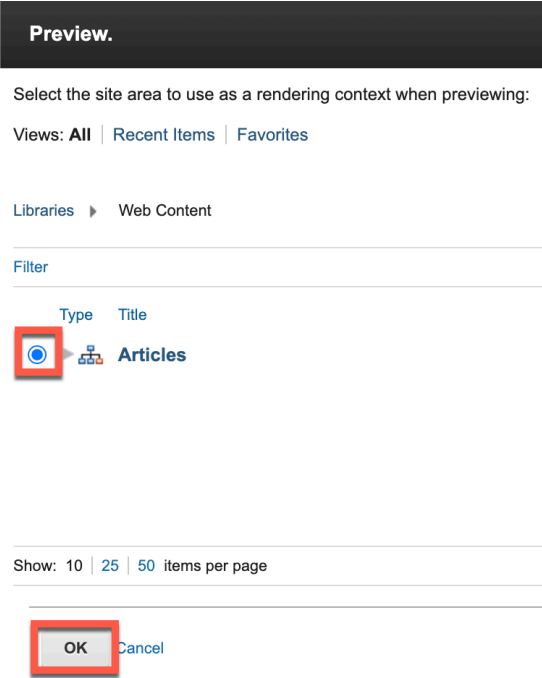
Status - Published | Created by [Gene Hayes](#)

Save and Close Read **Preview** Close

Menu Properties

Preview

12. Select the **Web Content - Articles** site area and click **OK**.



13. Ensure you authorize pop-up windows and then you should your list.

Promotion: DX Promotion  
Product ID: DX'03  
Link: [HCL Digital Experience Home Page!](#)

-----  
Promotion: DX Promotion  
Product ID: DX'03  
Link: [HCL Digital Experience Home Page!](#)

-----  
Promotion: Volt MX Promotion  
Product ID: MX002  
Link: [HCL Volt MX Home Page](#)

14. It shows the DX Promotion twice as you added another version to your blog content. You can make it show only the ones in the Web Content library, by updating the menu component. Select Location and choose Web Content/Articles site area.

▼ Menu Criteria

☐ Exclude current content from results

Select the criteria to use when searching for content: ?

☒ Authoring Templates

☐ Categories

☒ Location

☐ Keywords

▼ Authoring Templates

Search for content items that use these authoring templates: [Add Authoring Templates](#) ▼

Web Content / Promotion

► Further options

▼ Location

☐ Libraries ☒ Site Areas

For all selected and included site areas:

☐ Include ancestors

☐ Include descendants

Search for content items that are linked to these site areas: [Add Site Areas](#) ▼

Web Content / Articles

► Further options

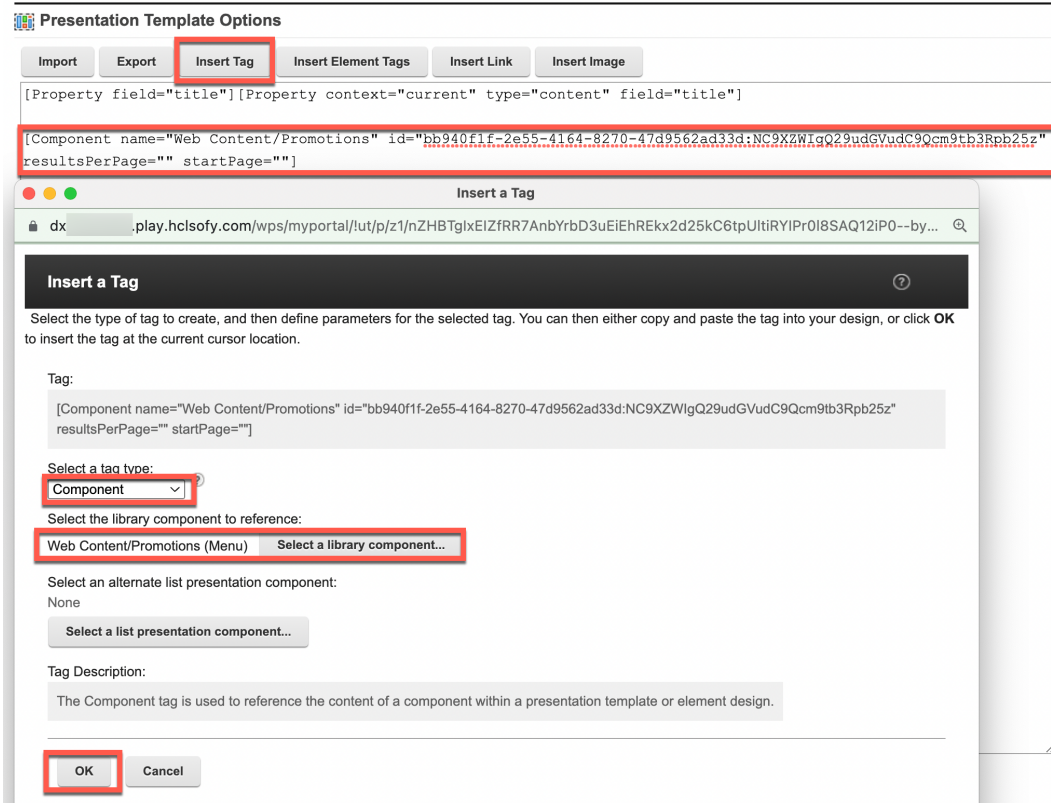
15. Then save and preview again and you see each content once. Feel free to review your design and add more tags.

Promotion: DX Promotion  
Product ID: DX003  
Link: [HCL Digital Experience Home Page](#)

Promotion: Volt MX Promotion  
Product ID: MX002  
Link: [HCL Volt MX Home Page](#)



16. To integrate this new menu component into your design, you may add it using a component tag. This may be, for example, in your presentation template. For this menu component, the tag would be [Component name="Web Content/Promotions"], it may also add if id (or UUID) to it. You may use **Insert Tag** to easily create this tag where you select **Component** as tag type, then **Web Content/Promotions** as library component and **OK** to insert.



You have successfully created your list of promotions using a WCM Menu Component.

## Part 6: Update Locally and Push Changes to Server

Use DXClient to pull and push the design of Web Content Manager locally and then push your changes back to the server. You may optionally use WebDAV to access the design directly.

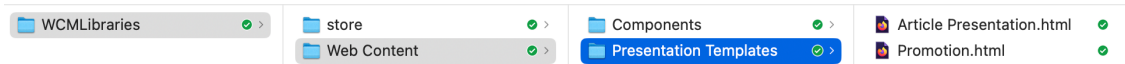
In the Theme Development for Beginners lab, you have learned to use DXClient to pull DX design and WebDAV to directly access DX resources. Here you will learn the steps to work with your WCM design locally and synchronize with the server using DXClient and optionally WebDAV.

1. First use DXClient LiveSync to pull the Web Content web content library. Create a folder with the name of your library and then run the `dxclient livesync pull-wcm-design-library` with parameters `wcmLibraryName` set to the Web Content library, the `wcmLibraryPath` to the folder you just created and disable the prompt to avoid having to type OVERWRITE-LOCAL, e.g.

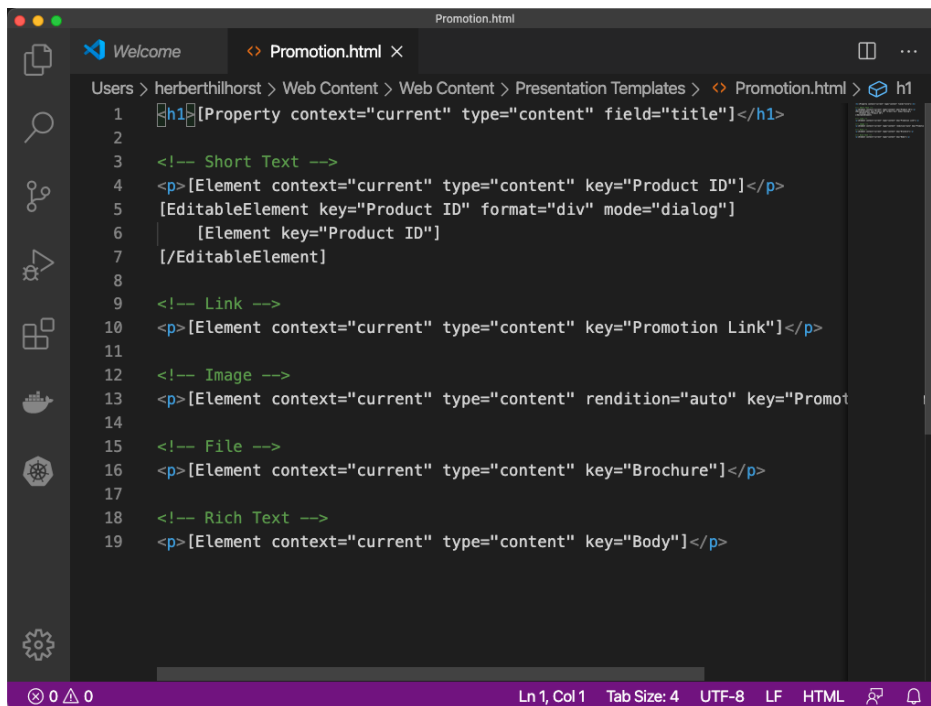
```
dxclient livesync pull-wcm-design-library -dxUsername wpsadmin -dxPassword wpsadmin -hostname dx.sbx0000.play.hclsofy.com -wcmLibraryName "Web Content" -wcmLibraryPath "Web Content" -disablePrompt true
```

```
herberthilhorst@wcmLibraries % dxclient livesync pull-wcm-design-library -dxUsername wpsadmin -dxPassword wpsadmin -hostname dx.sbx0000.play.hclsofy.com -wcmLibraryName "Web Content" -wcmLibraryPath ./Web\ Content -disablePrompt true
2025-02-21 17:51:07 : LiveSync Pull WCM Design Library execution started.
2025-02-21 17:51:08 : Started pulling the Web Content library to this path: ./Web Content
(node:87729) Warning: Setting the NODE_TLS_REJECT_UNAUTHORIZED environment variable to '0' makes TLS connections and HTTPS requests insecure by disabling certificate verification.
(Use `node --trace-warnings ...` to show where the warning was created)
2025-02-21 17:51:15 : Successfully downloaded Presentation Template: Presentation Templates/Article Presentation.html
2025-02-21 17:51:15 : Successfully downloaded Presentation Template: Presentation Templates/Promotion.html
2025-02-21 17:51:15 : Completed pull of the Web Content library into this path: ./Web Content
herberthilhorst@wcmLibraries %
```

2. Then check locally what was created. Open the Web Content folder and you'll see the Components and Presentation Templates. Open Presentation Templates and you see the Promotion Presentation template as an HTML file. Open it with your favorite editor.



- Similar as with the Theme development, you may now make changes and push the changes to the server.



- Then to synchronize your changes with the DX server, use DXClient LiveSync push. Just change pull-wcm-design-library to push-wcm-design-library, e.g.

```
dxclient livesync push-wcm-design-library -dxUsername wpsadmin -dxPassword wpsadmin -hostname dx.sbx0000.play.hclsofy.com -wcmLibraryName "Web Content" -wcmLibraryPath "Web Content" -disablePrompt true
```

```

herberthilhorst@ ~ % WCMLibraries % dxclient livesync push-wcm-design-library -dxUsername wpsadmin -dxPassword wpsadmin -hostname dx.sbx0000.play.hclsofy.com -wcmLibraryName "Web Content" -wcmLibraryPath ./Web Content -disablePrompt true
2025-02-21 17:58:52 : LiveSync Push WCM Design Library execution started.
2025-02-21 17:58:53 : Library ID: 71333541-37a0-4ec8-ad94-6ca290f714fb
2025-02-21 17:58:53 : Syncing updated and new files into WCM Library Server.
2025-02-21 17:58:53 : [SUCCESS] Completed initial sync of updated and new files into WCM Library Server.
2025-02-21 17:58:53 : Continue to watch for changes to sync from this path: "./Web Content"... (Press "Ctrl + C" to stop syncing)

```

5. And each local change is synchronized with the DX server. Optionally, you may use the WebDAV option to access the DX resources directly on the server or make copies of the modified file back to the server one). Use your favorite WebDAV client with URL <https://dx.XXXXXX.play.hclsofy.com/wps/mycontenthandler/dav/content/libraries/> (with your specific entry on SoFy). This gives you access to the structure of your design. You can directly work on the Presentation Template HTML files under presentationTemplates, for example Promotion or take a copy and work on the copy first. Once you have completed your changes, you would copy it back to the WebDAV folder.

Name
<ul style="list-style-type: none"> <li>▼ wcm.library.web content               <ul style="list-style-type: none"> <li>&gt; authoringTemplates</li> <li>&gt; components</li> <li>▼ presentationTemplates                   <ul style="list-style-type: none"> <li>▼ Article Presentation_files                       <ul style="list-style-type: none"> <li>&gt; meta-data</li> <li>&gt; Promotion_files</li> </ul> </li> <li>access-control.xml</li> <li>Article Presentation</li> <li>Promotion</li> </ul> </li> <li>&gt; sites</li> <li>&gt; taxonomies</li> <li>access-control.xml</li> <li>meta-data.xml</li> </ul> </li> <li>&gt; wcm.library.web content templates 3.0</li> </ul>

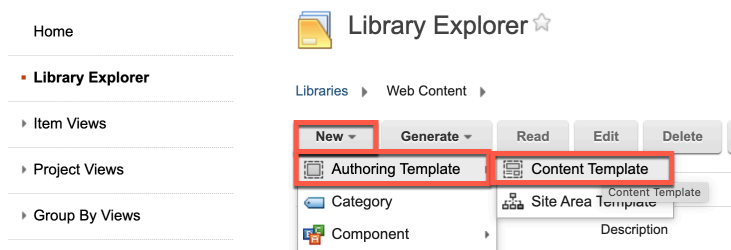
You have successfully discovered the option to pull and develop the Web Content Design locally with your favorite code editor and learned how to push your changes to the server using the DXClient. And how to use WebDAV to directly work on the design on the server.

## Optional Part 7: Create new DX Promotion Content Template and Content in Authoring

In this optional part, you will learn that you can create the Promotion Content Template and Content in Web Content Authoring as well. If you have already created the Promotion Content Template with the Content Composer, you need to use a different template and content name here, e.g. Promotion1 and DX Promotion1.

To promote HCL Digital Experience, your Promotion Content Template will have this list of elements: Product ID (Short Text), Promotion Link (Link), Promotion Banner (Image), Brochure (File, in PDF format and limited to 10Mb) and Body (Rich Text).

1. In the Web Content Authoring, select **New, Authoring Template, Content Template**. Notice there are also Site Area Template to manage your sites.



2. Name it **Promotion**, ensure it is located under **Web Content** (if not, use Select Location to set it) and the add the elements. Click **Manage Elements**.

3. In the Element Manager, you can set the Element type and name for each element you want to add. Start with the **Short Text Product ID**. Then click **Add**.

**Element Manager**

To add a new element, select an element type and then enter a Name and a Display Title.  
If a Display Title is not specified, then the Name field will be used instead.

Element type:  
Short Text

\*Name:  
Product ID

Display title:

Display Title Localization: ?  
None

Add

OK Cancel

4. In the same way a **Link** (for Promotion Link), the **Image** (for Promotion Banner), **File** (for the Brochure) and **Rich Text** (Body description) elements. Check you can change the order using the icons to the right. Then click **OK**.

Element type	Name	Display title
Short Text	Product ID	Product ID
Link	Promotion Link	Promotion Link
Image	Promotion Banner	Promotion Banner
File	Brochure	Brochure
Rich Text	Body	Body

OK Cancel


5. Now set the default content and validation rules. Click **Default Content**.

**Untitled**  
Created by [Gene Hayes](#)


Save and Close Add To Project... Preview Add Workflow Manage Elements Close

Content Template Properties **Default Content** Default Content Properties

\*Name: ?  
Promotion

6. Set a default value, XX000, and open the field properties .

▼ **Product ID**

Product ID 

XX000

7. Make it required, by checking **Identify this as a required field**, set the minimum and maximum characters to 5 and add help text to explain its format to the author. E.g. with 'Use the first two characters for the product code and the last three for the number'.

▼ Product ID

Product ID

**Short Text field properties**

☒ Identify this as a required field ☐ Hide field

Size (in characters) Field width: 100

Characters Minimum: 5 Maximum: 5

Words Minimum: Maximum:

Editors: Add Editors ▼  
None

Viewers: Add Viewers ▼  
None

Field help text: (?)  
Use the first two characters for the product code and the last three for the number

Text Provider: (?)  
None

Custom JSP:

Hide Refresh View Reset

XX000

8. Then change the Digital asset source for the Promotion Banner to use the Digital Asset Management (HCL DAM) instead. Open the image properties and change the **Digital asset source** from Upload using file browser to **HCL DAM**.

▼ Promotion Banner

Image:

**Image field properties**

☐ Identify this as a required field ☐ Hide field

Renditions: ON

Desktop Tablet Smartphone

Renditions: Desktop

☐ Preferred size  
Width: 0 px Height: 0 px

☐ Recommended maximum file size  
0 KB

☐ Maximum file size 0 KB

☐ Restrict MIME types:

☐ Show digital asset source


Digital asset source:  
HCL DAM

Editors: Add Editors ▼  
None

Viewers: Add Viewers ▼  
None

9. Then update the Brochure file element. Open the field properties and select **Restrict MIME types** and select **PDF**. Then set the maximum size in bytes (here 10Mb or 10,000,000), change the **Digital asset source** from Upload using file browser to **HCL DAM** and optionally a Help text again.

▼ Brochure

File 

**File field properties**

☐ Identify this as a required field ☐ Hide field

Minimum bytes:  Maximum bytes:

☒ Restrict MIME types:

☐ MP4 ☐ MOV ☐ OGG ☐ MP3 ☐ WEBM ☒ PDF Other:

☐ Show digital asset source

Digital asset source:

Editors: [Add Editors](#) ▼

None


Viewers: [Add Viewers](#) ▼

None

Field help text: [?](#)

Text Provider: [?](#)

10. And finally, select the Web Content – Express Workflow. Open the **Default Content Properties** tab.

 **Untitled**  
Created by [Gene Hayes](#)

Content Template Properties **Default Content**



11. Then expand the Workflow section and then click **Select Workflow**.

Content Template Properties Default Content Properties

Type: Content

Location: Web Content

UUID: None

Authors: Add Authors

None

Owners: Add Owners

None

---

Content Properties

---

Profile

---

**Workflow**

Define the default workflow settings for items created using this authoring template.

☒ Enable workflow for items created with this authoring template

☐ Hide section

Document Status:

Default Workflow: **Select Workflow**

None

Current Workflow Stage:

None

12. Then select the **Express Workflow** in the **Web Content** library and click **OK**.

Select a workflow

Select a workflow, then click OK.

Views: All | Recent Items | Favorites

Libraries: **Web Content**

Filter

Type	Title	Status
<input checked="" type="radio"/>	<b>Express Workflow</b>	Published
<input type="radio"/>	Three Stage Workflow	Published

Show: 10 | 25 | 50 items per page

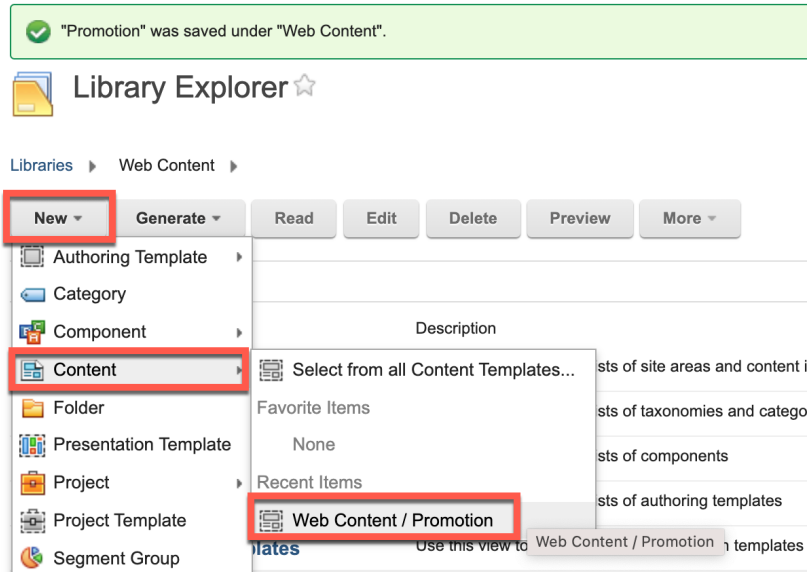
**OK** Cancel

13. Check the other sections and then click **Save & Close**.

**Save and Close** Read Preview

\* Required Fields

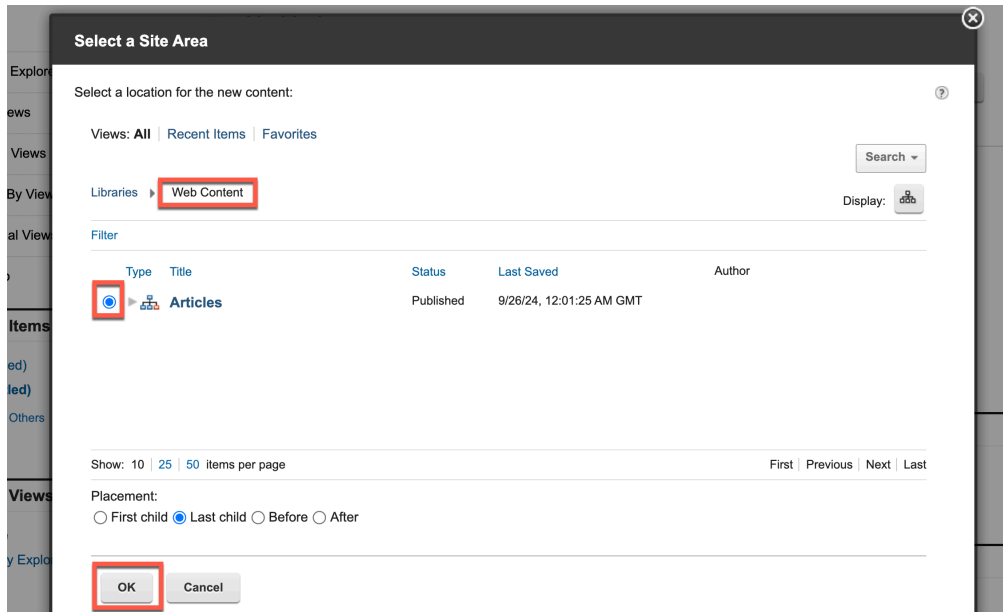
14. Notice that your Promotion Content Template is saved under Web Content. Then create the DX Promotion content using this new template. Click **New, Content** and your recently created Content Template **Web Content / Promotion**.



15. Name it **DX Promotion** and ensure it is located under Web Content / Articles. Click **Select Location**.

The screenshot shows the 'Untitled' content creation form. At the top, it says 'Untitled' and 'Created by Gene Hayes'. Below this are buttons: 'Save and Close', 'Add To Project...', 'Show Hidden Fields', 'Manage Elements', 'Remove Workflow', and 'Close'. The 'Content' tab is selected. The form has two sections: 'Name' and 'Location'. The 'Name' section has a label '\*Name:' and a text input field containing 'DX Promotion'. The 'Location' section has a label '\*Location:' and a dropdown menu set to 'Select Location'. Below the dropdown is a 'Select Location' button.

16. Select the **Articles** site area under the **Web Content** web content library and click **OK**.



17. Then set the product ID to **DX003**, the Promotion link to the home page of HCL Digital Experience: <https://www.hcl-software.com/dx> and keep the Display link as to Text (you can also select an image) and set the **Text to display** to **HCL Digital Experience Home Page!** (you need to unselect the option **Use URL as link text**).

\*Location: [Select Location](#) ▼  
Web Content / Articles (Last child)

---

▼ **Product ID**

\*Product ID  
*Use the first two characters for the product code and the last three for the number'*

**DX003**

---

▼ **Promotion Link**

Link:  
☒ External URL  
☐ Web Content

Type a URI: [?](#)

**https://www.hcl-software.com/dx**

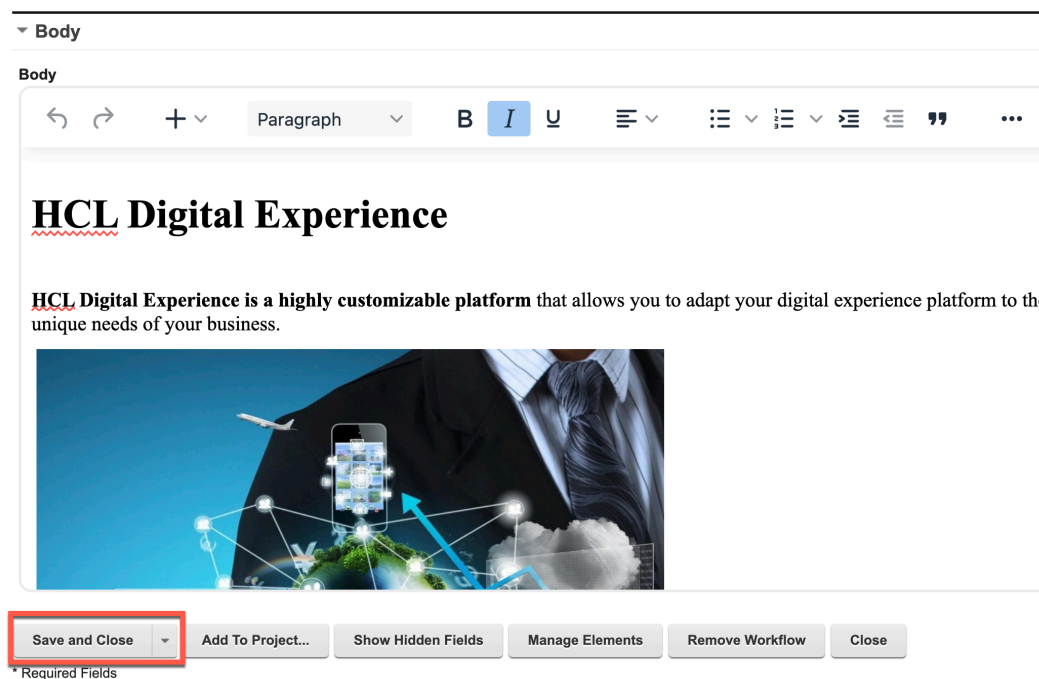
Display link as:  
☒ Text  
☐ Image component

Link text:  
**HCL Digital Experience Home Page!**

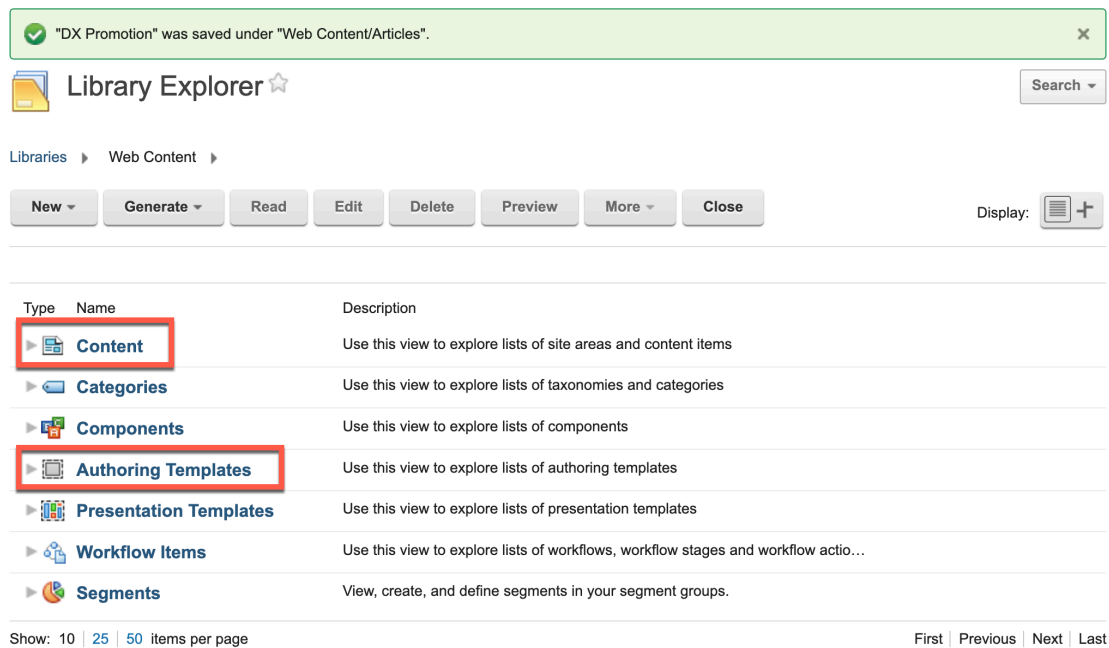
☐ Use URL as link text

▶ **Link Attributes**

18. Continue with the other elements and then click **Save and Close**.



19. You can find your new Content Template under Authoring Templates and Content under Content.



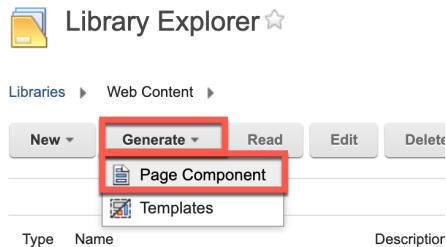
You have successfully created the Promotion Content Template and DX Promotion Content using the Web Content Authoring interface.



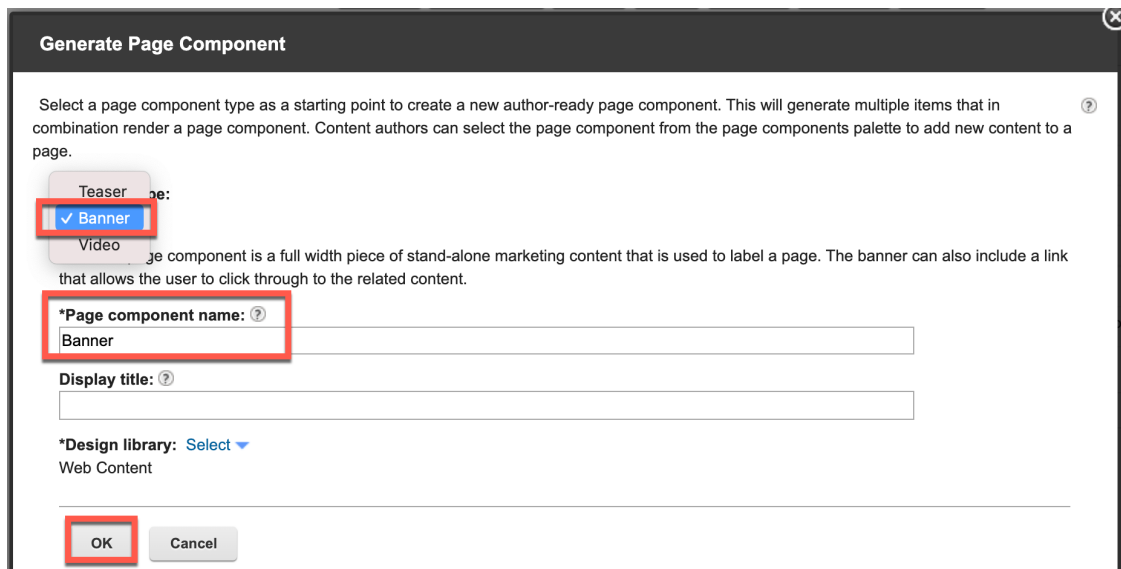
## Optional Part 8: Generate more Page Component and Templates

Web Content comes with a few ready to use Page Components and Templates. In this optional part, you may generate one of these.

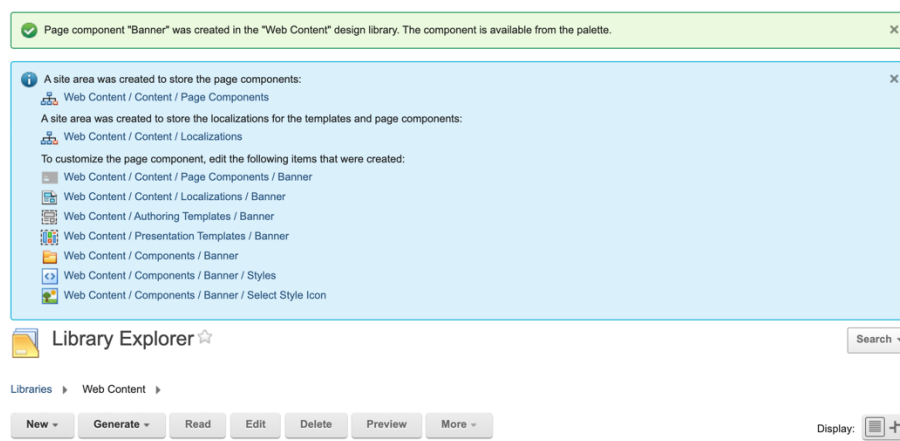
1. In Web Content Authoring, click **Generate**, notice the Page Component and Templates options and click **Page Components**.



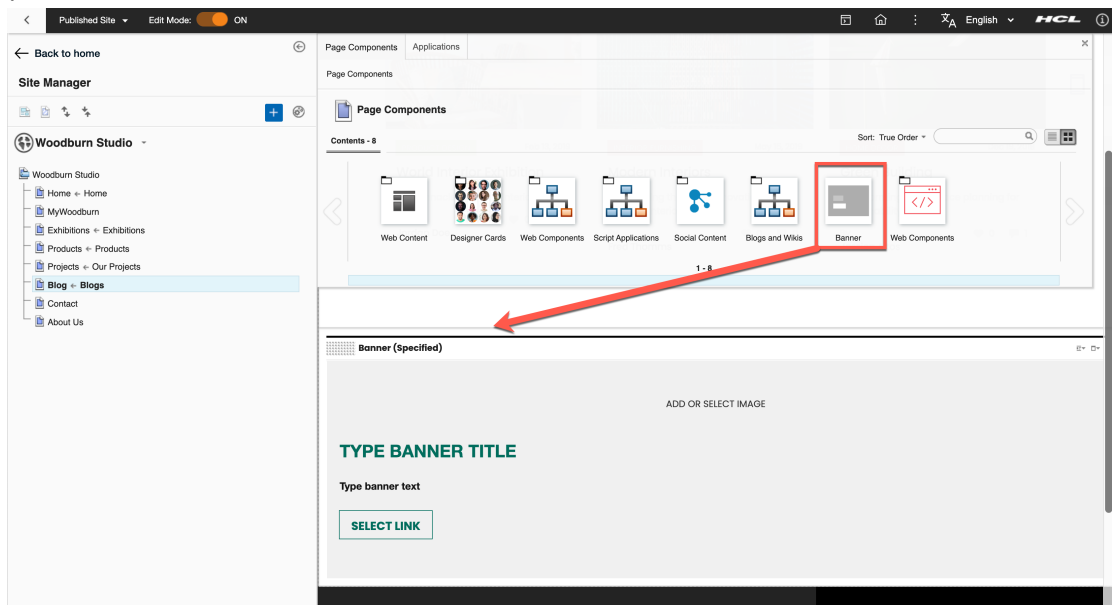
2. You have the options Teaser, Banner and Video. Choose Banner, check the name and click **OK**.



3. All the design items needed to manage the banner are created for you now. You may have a close look at each one. Then check how this works.



4. Go to your Woodburn Studio – Blog page and add the new Banner page component to it and you should see the editable banner.



5. Feel free to edit all the banner element and check out the other WCM Page Components and Templates.

You have successfully used the out of the box WCM Page Components.

## Conclusion

Using this lab tutorial, you have learned how to use the Web Content Authoring interface to further develop your web content. You have first looked at how the Promotion Content, you created earlier, looks like in this different interface. Then you created new Promotion presentation template using tag helpers for this Promotion and learned how to preview it with a specific content.

Then you configured to associate your new DX Promotion Presentation Template with your corresponding Promotion Content Template. This will help to set the default presentation for all content based on the Content Template. You did in the Site Area using the Site Template Mappings and in the Promotion Content Template.

To allow business user to add this new content to a page, you have turned it into a Site Manager Page Component with an easily identifiable image and tested this on a page.

You learned how to use a Menu Component to build a list of content and then show it on the same page.

You used DXClient or WebDAV to access the design of Web Content Manager locally and then push your changes back to the server.

And optionally, you learned how to use the Web Content Authoring to create a Content Template and use the a few ready to use Page Components and Templates.

You now should be ready to start managing web content for your sites.



## Resources

Refer to the following resources to learn more:

HCL Digital Experience Home - <https://hclsw.co/dx>

HCL Digital Experience on HCL Solutions Factory (SoFy) - <https://hclsofy.com/>

HCL Software - <https://hclsw.co/software>

HCL Product Support - <https://hclsw.co/product-support>

HCL DX Product Documentation - <https://hclsw.co/dx-product-documentation>

HCL DX Support Q&A Forum - <https://hclsw.co/dx-support-forum>

HCL DX Video Playlist on YouTube - <https://hclsw.co/dx-video-playlist>

HCL DX Product Ideas - <https://hclsw.co/dx-ideas>

HCL DX Product Demos - <https://hclsw.co/dx-product-demo>

HCL DX Did You Know? Videos - <https://hclsw.co/dx-dyk-videos>

HCL DX GitHub - <https://hclsw.co/dx-github>

HCL DX Web Developer Toolkit - <https://github.com/HCL-TECH-SOFTWARE/WebDevToolkitForDx>

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