



HCL Digital Experience

HDX-DEV-100

Script Application for Beginners

HCLSoftware U

Creating a new generation of experts

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Introduction

This hands-on lab guides you through creating an application on HCL Digital Experience (DX), using its advanced Script Application capabilities. You will experience how quick and easy it is to create and update applications.

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 Web Developer you will create a new Script Application to promote HCL Digital Experience. You will first use the Script Editor to create a first version in a dedicated Promotion page that shows 'HCL Digital Experience' in a special style. Then you will export it locally, so you can use your favorite IDE to further enhance it. You will add a logo to your application and then import it back into the DX server.

You will then use the DXClient to deploy your local development efforts more easily. You will again make some improvements locally that allows the user to show and hide the logo. And finally use the DXClient to deploy your local Script Application to the DX server.

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 them 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:

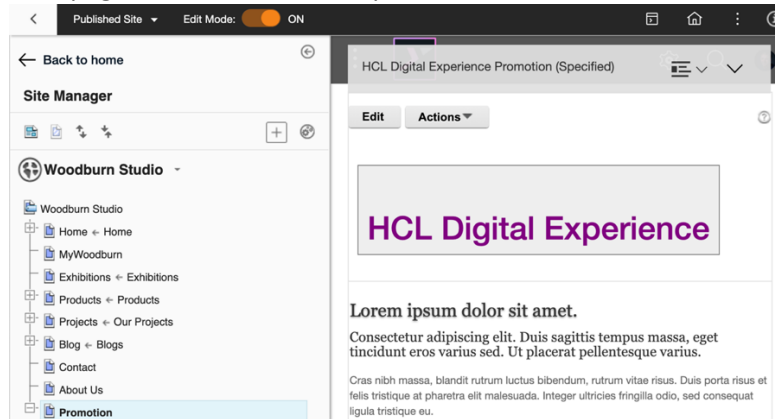
Purpose	User	Password
SoFy Login	Your official email id	Your password
Developer Gene Hayes	ghayes (or wpsadmin)	HCL-Dem0 (or wpsadmin)

Lab Overview

In this lab you will create a new 'HCL Digital Experience Promotion' Script Application in various ways.

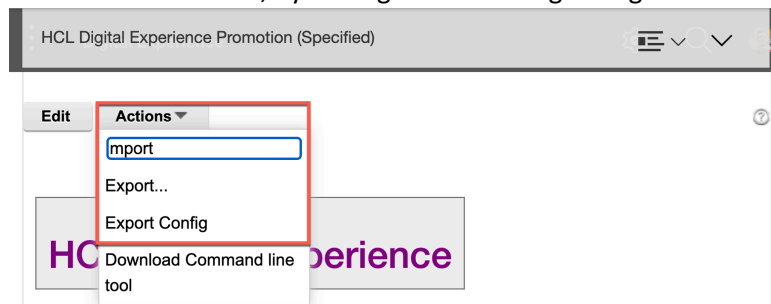
Part 1: Create a new Script Application on DX Server using Script Editor

You will create a new 'HCL Digital Experience Promotion' Script Application using the Script Editor in a DX page and discover it is a special Web Content.

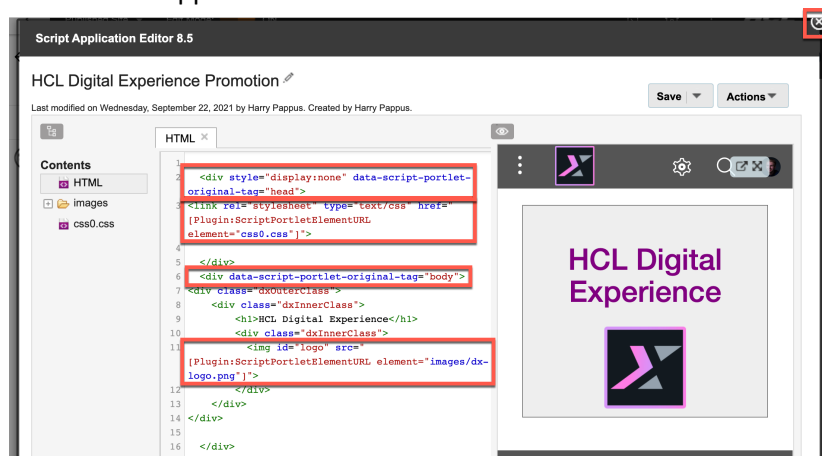


Part 2: Export the Script Application to Local, Update and Import into DX Server

You will export this application from the DX server to your local system and update it using your choice of code Editor, by adding an HCL DX logo image to it and then import into

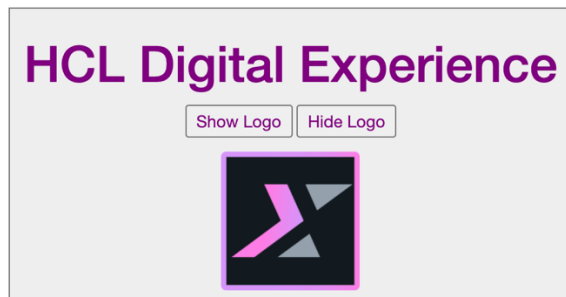


and test this application on the DX server.



Part 3: Update the Script Application locally, Run and Deploy Changes

And you will update the Script Application on your local system to provide buttons that show/hide the logo image.



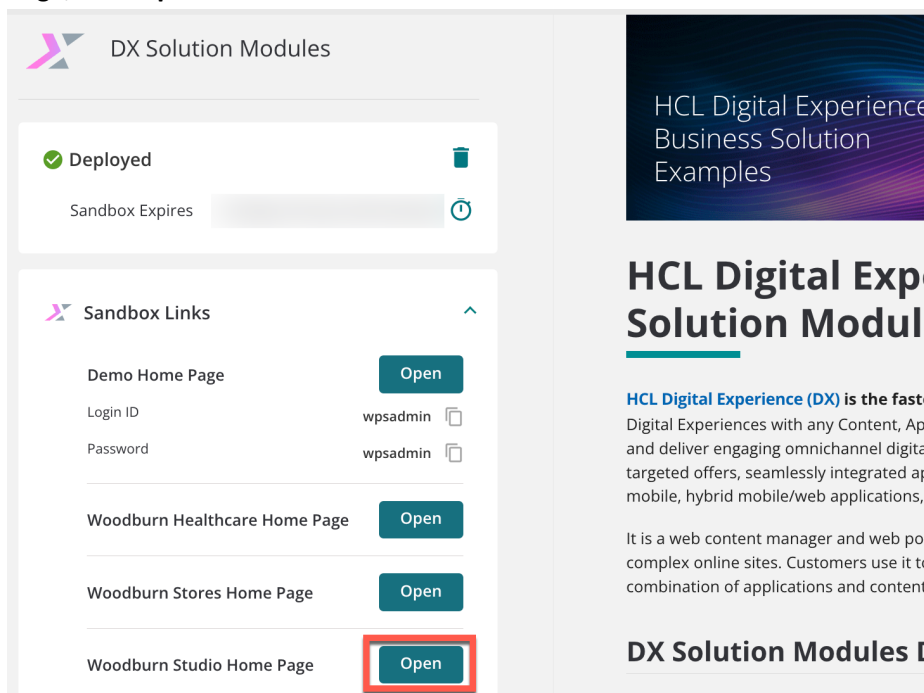
This time you will test and synchronize (push and pull) the application with the DX server using the DXClient.

```
herberthilhorst@herberthilhorst:~$ dxclient % dxclient deploy-scriptapplication push -contentRoot /Users/herberthilhorst/Script/Applications/HCL_Digital_Experience_Promotion -mainHtmlFile index.html -wcmContentId 38f4292c-1bb0-4251-86f3-03a4e2658abd
2025-03-04 18:21:26 : Begin content push to Portal.
2025-03-04 18:21:26 : WCM content ID: 38f4292c-1bb0-4251-86f3-03a4e2658abd.
2025-03-04 18:21:26 : WCM Content Path: .
2025-03-04 18:21:26 : WCM Content Title: .
2025-03-04 18:21:26 : Main HTML file: index.html.
2025-03-04 18:21:26 : PrebuiltZip path does not exist.
2025-03-04 18:21:26 : Archive file:
/var/folders/hd/f4svfbtj23xdh3hd7cnxm65m0000gn/T/tmp---78142-zSu7hAWOnN1R-.zip
(856 bytes in 0 files)
(node:78142) 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)
2025-03-04 18:21:28 : Content push was successful.
2025-03-04 18:21:28 : End content push to Portal.
2025-03-04 18:21:28 : Body content: {"results":{"status":"error","message":{"38f4292c-1bb0-4251-86f3-03a4e2658abd, com.aptrix.pluto.content.Content} is locked."}}}.
herberthilhorst@herberthilhorst:~$ dxclient %
```

Part 1: Create a new Script Application on DX Server using Script Editor

You will login as a developer, and you will be guided through the task of creating a **HCL Digital Experience Promotion** Script Application showing the “**HCL Digital Experience**” heading with a special style. You will create a new Script Application using the **Script Editor** and discover it is a special Web Content.

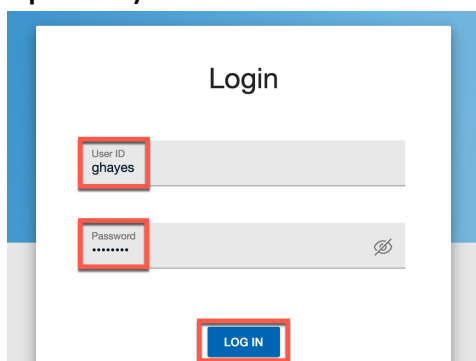
1. Start by adding the Script Application to a DX page under Woodburn Studio site. On the server where the DX Solution Modules has been installed, next to **Woodburn Studio Home** Page, click **Open**.



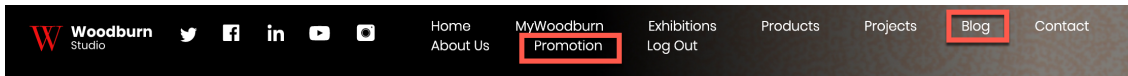
2. Log on to the DX server as Gene Hayes. Click **Log in**.



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**)



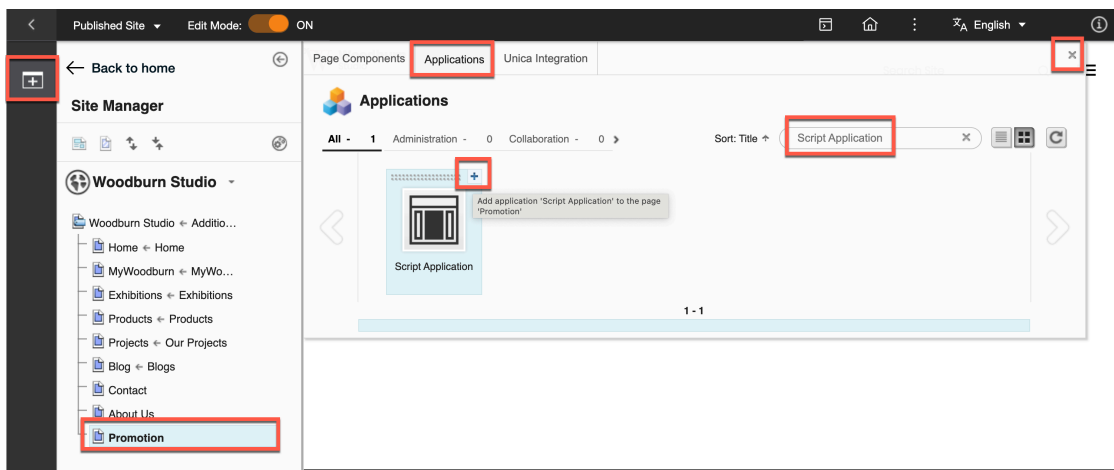
4. If you have created a Promotion page in the Theme Development lab, you may use that, otherwise use the existing Blog page. We'll show instructions with the Promotion page. Click **Promotion** (otherwise Blog).



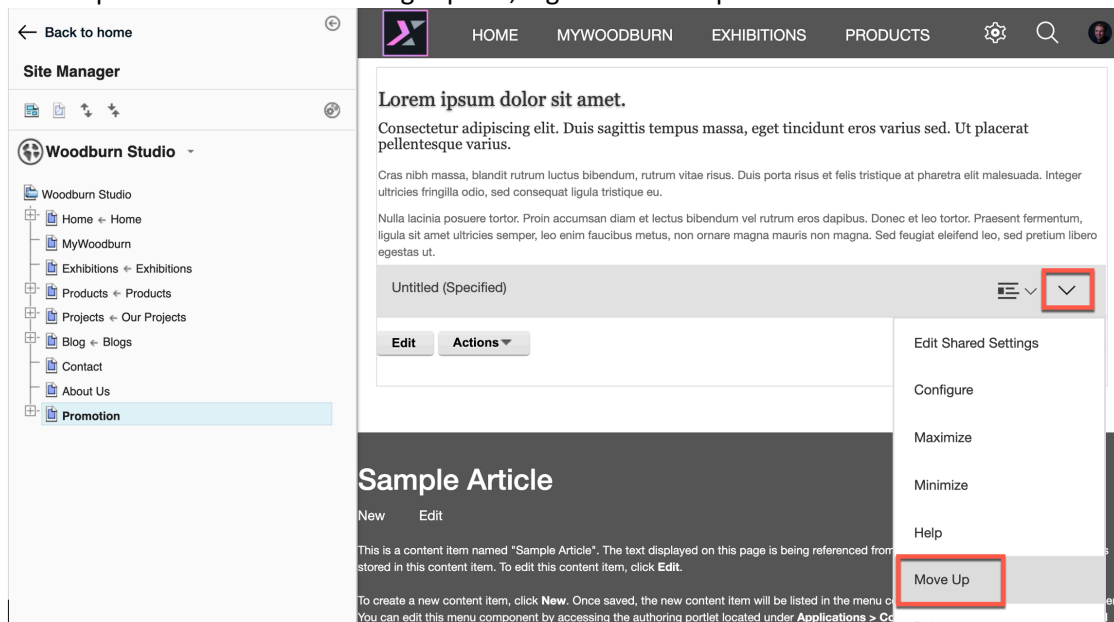
5. Turn the Edit Mode on and click **Add page components and applications**.



6. The Script Application is under Applications. Click **Applications**, search for **Script Applications** and add it to your page. Either use the + or drag & drop it to the top of your page and close the toolbar.



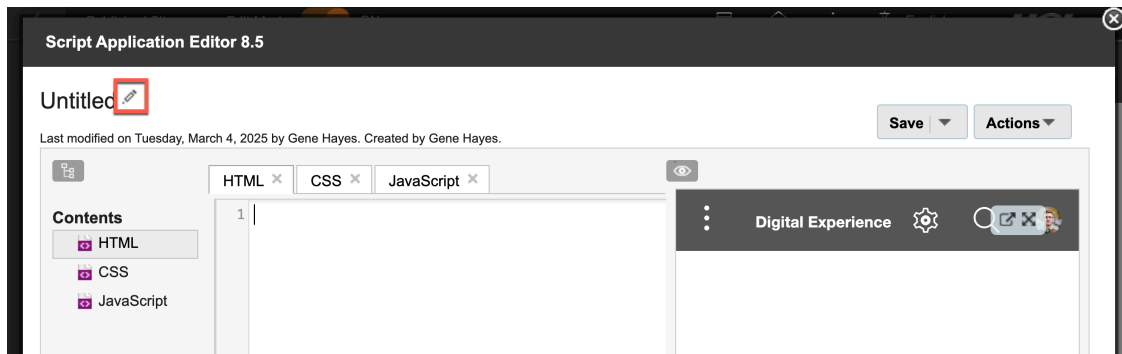
7. Ensure the Script Application is on the top of the page. If it is not yet on the top, use the menu options to move it to the right place, e.g. use Move Up.



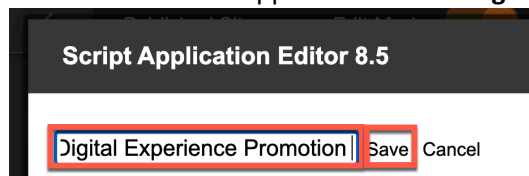
8. Then add the code. Hover over your Script Application and notice its name, now 'Untitled'. Now change it to 'HCL Digital Experience Promotion'. Click **Edit**.



9. The **Script Application Editor** window will open. Notice that you are on the **HTML** tab. There are additional ones for CSS and JavaScript. Also notice the preview pane on the right and location where this application is stored. Name the application first. Click on the **pencil** button next to **Untitled**.

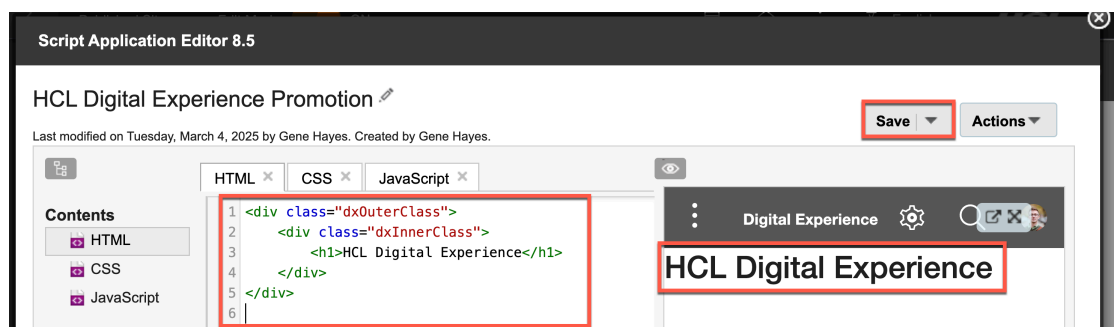


10. Set the name of the application to **HCL Digital Experience Promotion** and click **Save**.



11. Now add some code to show **HCL Digital Experience** with a special style. Under the **HTML** tab enter the following code to manage the main page. Then click **Save** to see it updated in the preview pane.

```
<div class="dxOuterClass">
  <div class="dxInnerClass">
    <h1>HCL Digital Experience</h1>
  </div>
</div>
```



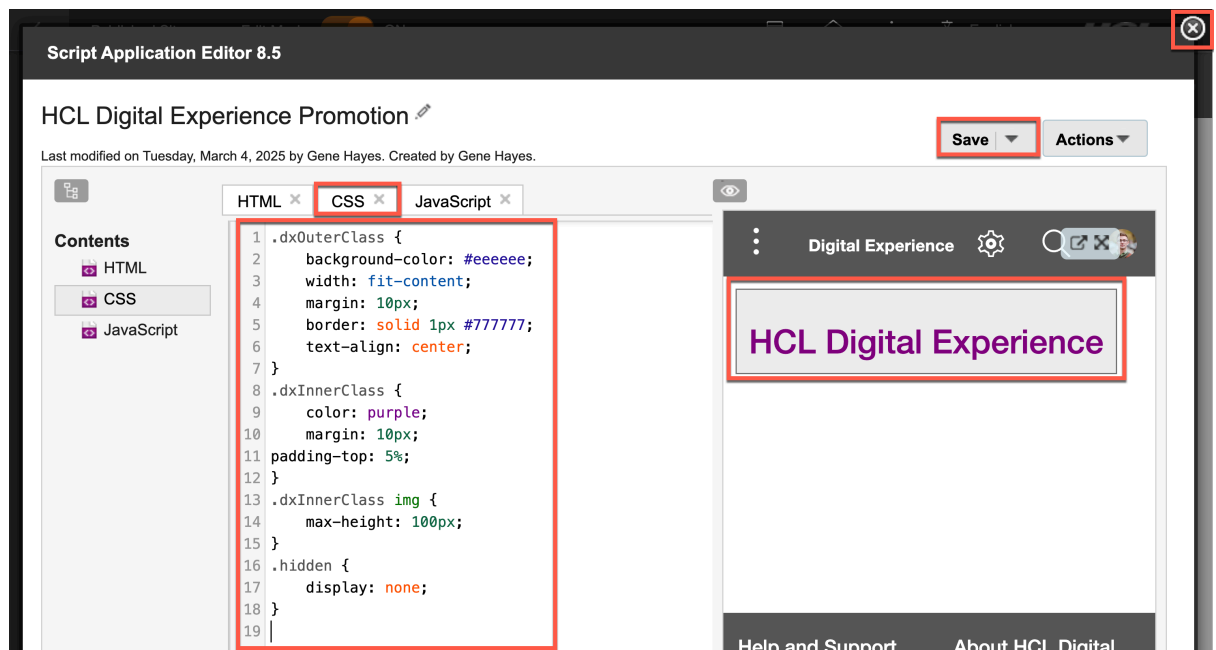
12. Then style it, using the classes you have defined above with dxInnerClass and dxOuterClass. Under the **CSS** tab, define the above classes by entering the following code. Again, click **Save** to see how it updates and then close the editor using the **X** in the right top corner.

```
.dxOuterClass {
  background-color: #eeeeee;
  width: fit-content;
  margin: 10px;
  border: solid 1px #777777;
  text-align: center;
}

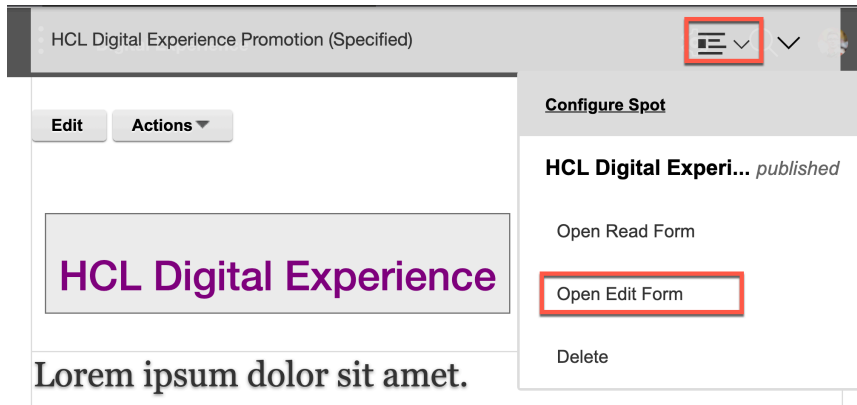
.dxInnerClass {
  color: purple;
  margin: 10px;
  padding-top: 5%;
}

.dxInnerClass img {
  max-height: 100px;
}

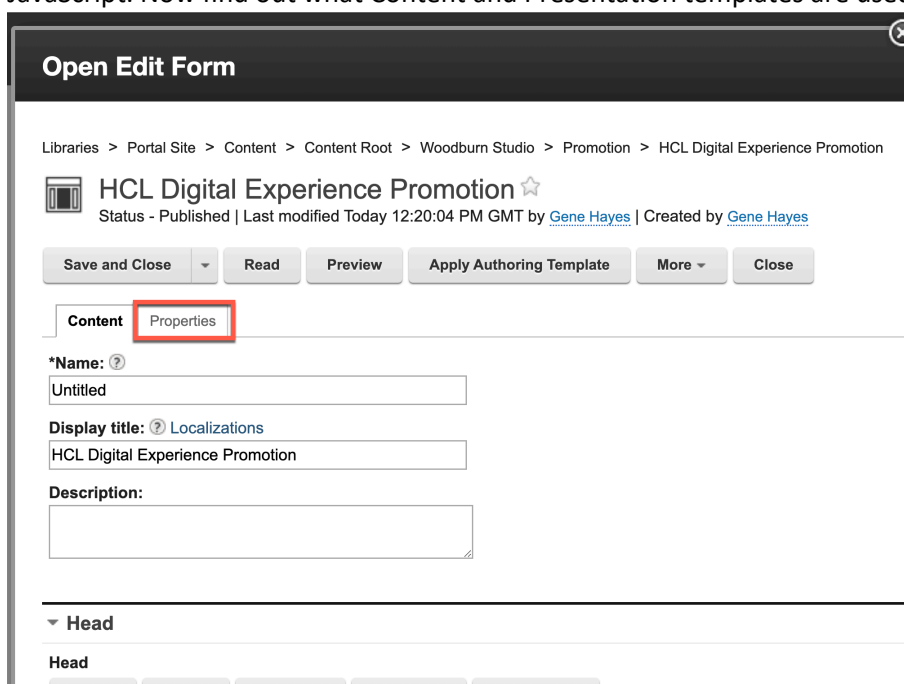
.hidden {
  display: none;
}
```



13. Your page will look like this. Now check that this is a Web Content. Open the **Content menu** and you see the options Configure Spot and Read, Edit and Delete the form. With Configure Spot you can manage to what segments it should show and potentially use other Content or Script Applications targeted to other segments in the same place. As it is a content, it benefits from all the other advantages of content, like being part of a workflow, project, versioning, access control, etc. Then have a look at how this looks like as a content item. Click **Open Edit Form**.



14. Notice where this Script Application is stored, under the Woodburn Studio page you have created. Then see the different elements that are available to store the Head, CSS, HTML and JavaScript. Now find out what Content and Presentation templates are used. Click **Properties**.



15. Here you see it uses the Script Application Content and Presentation Template, both managed in the Script Application Library. The Script Application Library also has a Site Area called Script Applications that is configured to show in the toolbar. You make look at other parts and then close the content.

Open Edit Form

Libraries > Portal Site > Content > Content Root > Woodburn Studio > Promotion > HCL Digital Experience Promotion

HCL Digital Experience Promotion ☆
Status - Published | Last modified Today 12:20:04 PM GMT by [Gene Hayes](#) | Created by [Gene Hayes](#)

Save and Close Read Preview Apply Authoring Template More Close

Content **Properties**

Type:
Content

Location:
Portal Site / Content Root / Woodburn Studio / Promotion / HCL Digital Experience Promotion

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

Owners: Add Owners
[Gene Hayes](#) ✕

Content Properties

Content Template:
[Script Application Library / Script Application](#)

Mapped Presentation Templates:

Path	Presentation Template
/Portal Site/Content Root/Woodburn Studio/Promotion	Script Application Library / Script Application

Profile

Workflow

Access

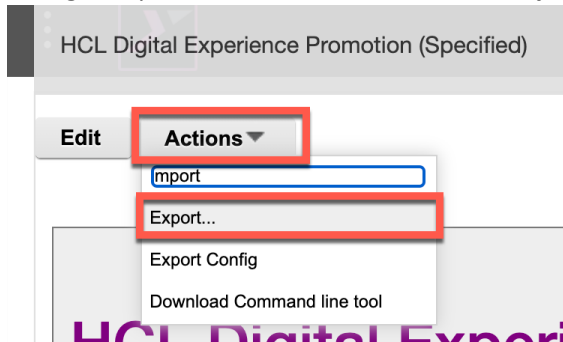
History

Congratulations!! You have created and deployed a new DX Script Application **HCL Digital Experience Promotion** on a DX page!

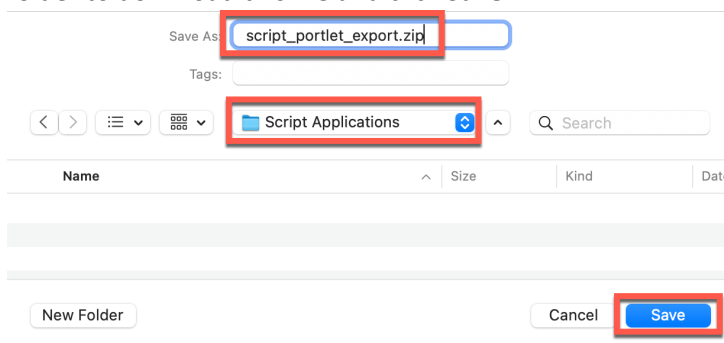
Part 2: Export the Script Application to Local, Update and Import into DX Server

You will export this application from the DX server to your local system and update it using your **choice of code Editor**, by adding an HCL DX logo image to it and then import and test this application into the DX server.

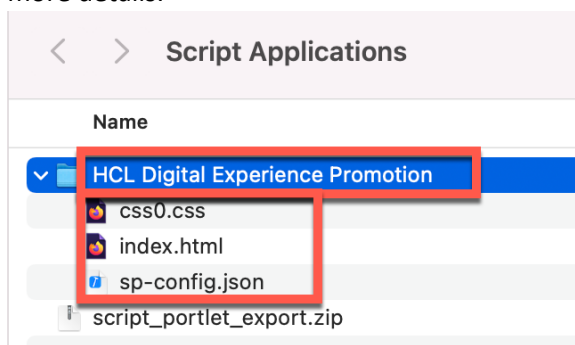
1. Start by exporting your Script Application to your local system where you can make further changes. Open the **Action** menu and click **Export**.



2. This allows you to download a zip file, called `script_portlet_export.zip`. Select (or create) a folder to download this file and click **Save**.



3. Then unzip the file, rename the extracted folder to **HCL Digital Experience Promotion** and view its contents. Notice that the HTML file name has been stored as **index.html** and the CSS file as **css0.css**. There is also a configuration file, **sp-config.json**, that contains information about the Script Application and where it is stored on the server. You will discover shortly in more details.



- Open this folder in your choice of **Editor** (we have used Visual Studio Code Editor) and have a look at these files. Start with the **index.html**. Notice that additional code that has automatically been added to include the stylesheet **css0.css**.

```

1 <html>
2   <head>
3     <link rel="stylesheet" type="text/css" href="css0.css">
4   </head>
5   <body>
6
7     <div class="dxOuterClass">
8       <div class="dxInnerClass">
9         <h1>HCL Digital Experience</h1>
10      </div>
11    </div>
12
13  </body>
14 </html>
15

```

- The **css0.css** file has no changes from the CSS you entered before.

```

# css0.css
# css0.css > .dxOuterClass
1 .dxOuterClass {
2   background-color: #eeeeee;
3   width: fit-content;
4   margin: 10px;
5   border: solid 1px #777777;
6   text-align: center;
7 }
8 .dxInnerClass {
9   color: purple;
10  margin: 10px;
11  padding-top: 5%;
12 }
13 .dxInnerClass img {
14   max-height: 100px;
15 }
16 .hidden {
17   display: none;
18 }
19

```

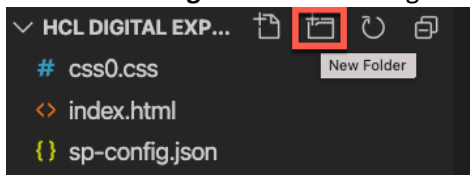
- Now have a look at the new **sp-config.json**. You see the parameters of your server, the user and the title and ID of the content on the server.

```

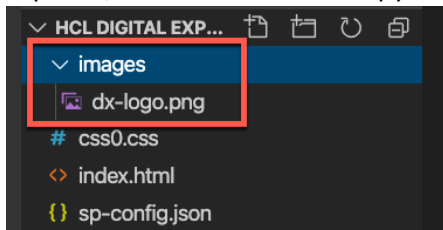
{} sp-config.json
{} sp-config.json > ...
1 {}
2 "contentHandlerPath": "\\wps\\mycontenthandler",
3 "mainHtmlFile": "index.html",
4 "portalUser": "hpappus",
5 "scriptPortletServer": "https://dx. .play.hclsofy.com",
6 "wcmContentID": "8ea6ea03-c2cb-4453-8498-669084ac02bd",
7 "wcmContentTitle": "HCL DX Promotion"
8 {}

```

7. Now add a logo image of HCL Digital Experience and show it in your application. Create a new folder **images** and add the logo image file. First create a new image folder.



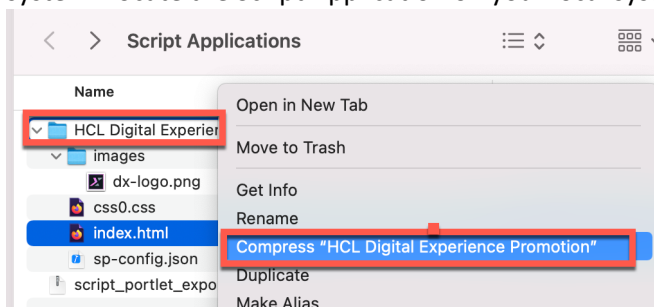
8. Then add **dx-logo.png**, located under **Script Application Lab Resources** folder, with Windows Explorer, Finder or other file copy tool.



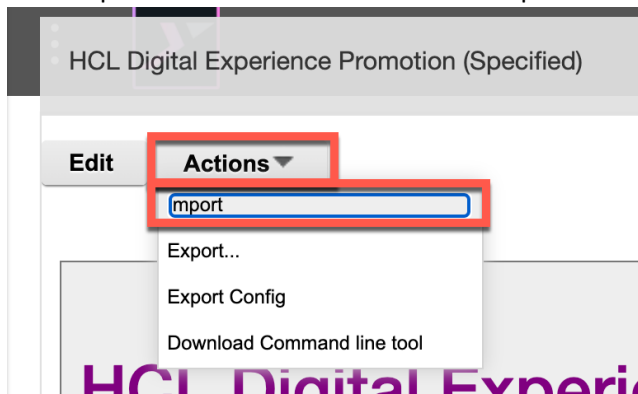
9. Then use the new logo in your Script Application. In the **index.html**, add the image reference inside the existing dxInnerClass div using again an dxInnerClass div. The updated code should look like this. Save your changes.

```
<html>
<head>
<link rel="stylesheet" type="text/css" href="css0.css">
</head>
<body>
<div class="dxOuterClass">
  <div class="dxInnerClass">
    <h1>HCL Digital Experience</h1>
    <div class="dxInnerClass">
      
    </div>
  </div>
</div>
</body>
</html>
```

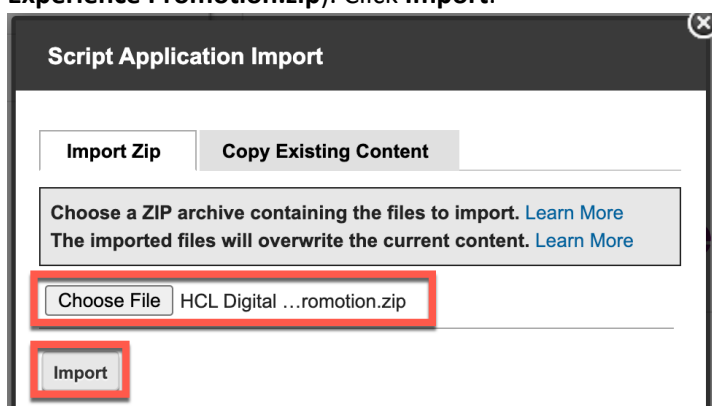
10. To test your changes on the DX server, deploy the application by importing it from your local system. Locate the Script Application on your local system and zip the folder.



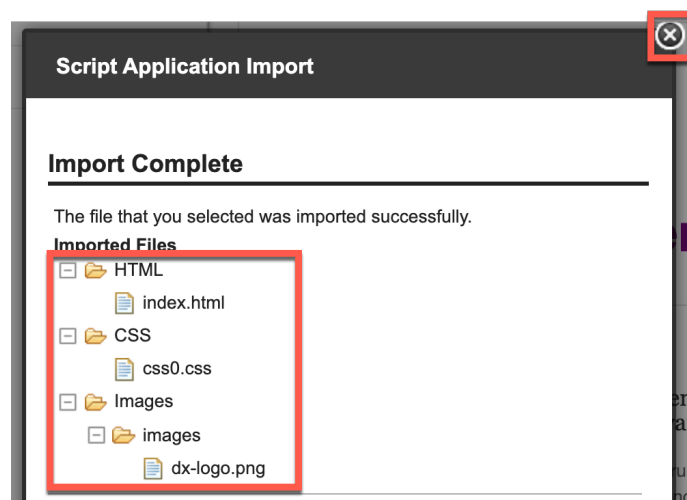
11. Now import it into the DX Server. Click to open the **Action** menu and then **Import**.



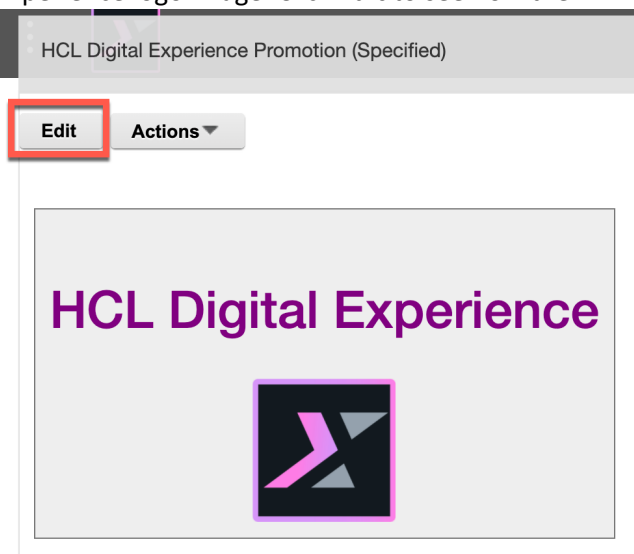
12. Click **Choose File** and browse and **Open** your zipped Script Application (**HCL Digital Experience Promotion.zip**). Click **Import**.



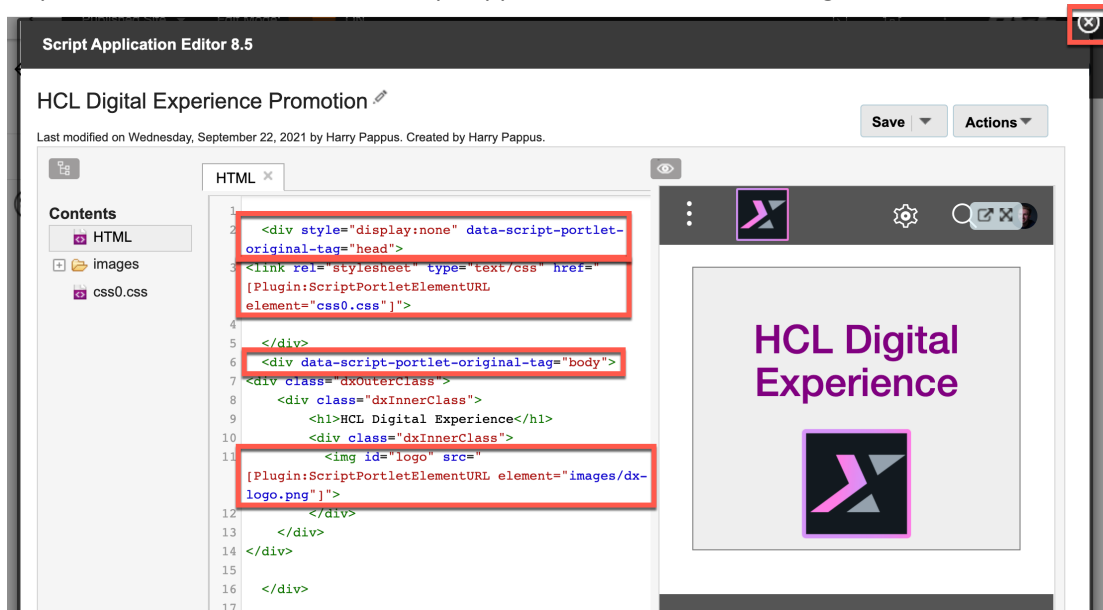
13. Expand the imported folder structure and verify that all your files have been imported, and then click close the window.



14. You should now be able to view the updated Script Application with the added HCL Digital Experience logo image. Click **Edit** to see how the HTML has been updated.



15. Notice that special tags have been created to manage tags, using the data-script-portlet-original-tag, and when referring to the other files, a [Plugin:ScriptPortletElementURL] is used to point to the other files of the Script Application. You can close it again.

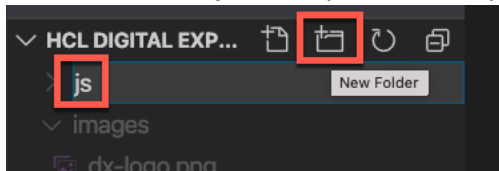


Congratulations! You have now learnt how to export your DX script application to your local system, update it and deploy your changes by importing the application into the DX server.

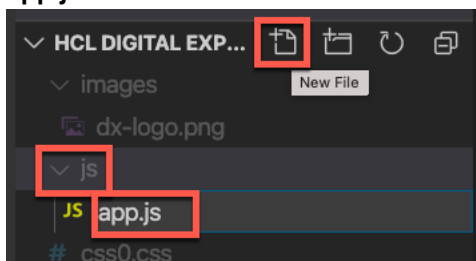
Part 3: Update the Script Application Locally, Run and Deploy Changes

You will update the Script Application on your local system to provide buttons that show/hide the logo image. This time you will test and synchronize (push and pull) the application with the DX server using the DXClient.

1. In your code editor, first create a new JavaScript folder to manage your JavaScript files. Create the folder **js** within your local script application. Click **New Folder icon** and name it **js**.



2. Then create a file **app.js** file. Open the **js** folder and then click **New File icon** and name it **app.js**.



3. Then add the JavaScript code to control to show and hide the logos.

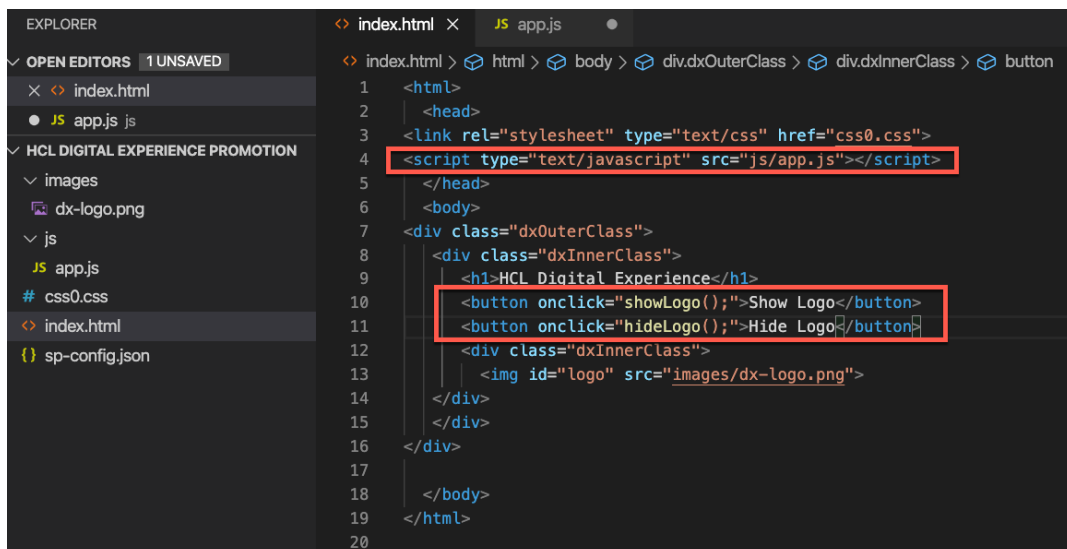
```
function showLogo() {
  var logo = document.getElementById("logo");
  logo.classList.remove('hidden');
}
```

```
function hideLogo() {
  var logo = document.getElementById("logo");
  logo.classList.add('hidden');
}
```

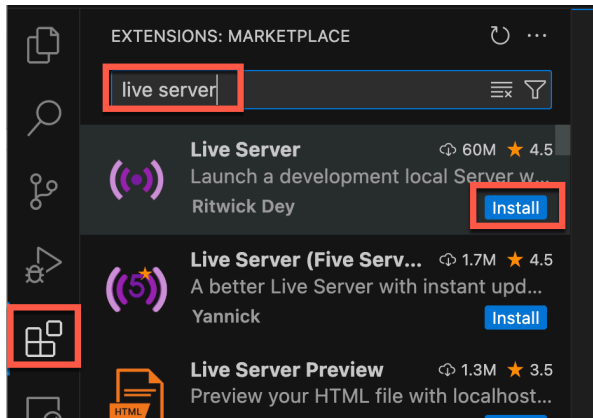


4. Now update the **index.html** file to reference the app.js file and add buttons that call these functions to show or hide the logo, shown in bold. **Save** it (CTRL + S).

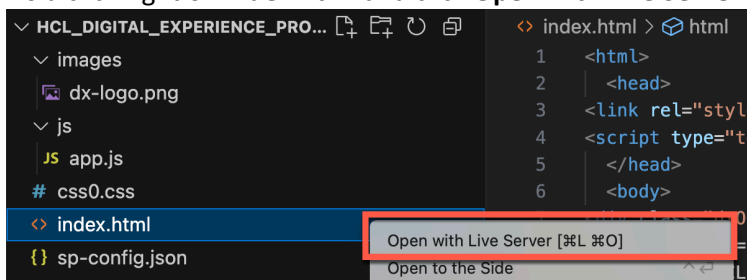
```
<html>
<head>
<link rel="stylesheet" type="text/css" href="css0.css">
<script type="text/javascript" src="js/app.js"></script>
</head>
<body>
<div class="dxOuterClass">
  <div class="dxInnerClass">
    <h1>HCL Digital Experience</h1>
    <button onclick="showLogo();">Show Logo</button>
    <button onclick="hideLogo();">Hide Logo</button>
    <div class="dxInnerClass">
      
    </div>
  </div>
</div>
</body>
</html>
```



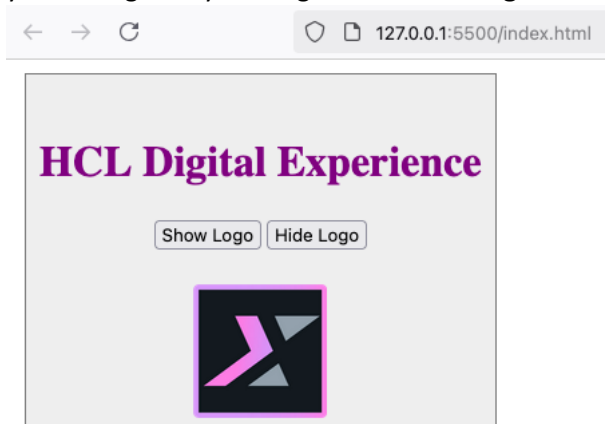
5. Now that your final application is ready, you can test it locally with a built-in web server on your code editor (Visual Studio Code has several you may use, like Live Server <https://marketplace.visualstudio.com/items?itemName=ritwickdey.LiveServer>) and verify your changes. If not done yet, install a web server first. From **Extensions** search for **live server** and click **Install** for the Live Server shown:



6. Then accept and you can then do a right click on any HTML file to run it with the live server. Do a click right on **index.html** and click **Open with Live Server**.



7. This starts your Script Application on a local test server that comes with the Web Developer Dashboard. A browser window should automatically open, and you should be able to view your changes. Try clicking on the **Show Logo** and **Hide Logo** buttons to verify your changes.



8. You may use other tools to optimize and check your code. Now you can deploy your changes on the DX server, this time using the DXClient. You can use the DXClient to pull and push Script Applications. Instead of downloading it from the Script Application Editor, you may pull it using the DXClient. Use **dxclient deploy-scriptapplication pull -h** to see the options available.

```
herberthilhorst@ ~ % dxclient % dxclient deploy-scriptapplication pull -h

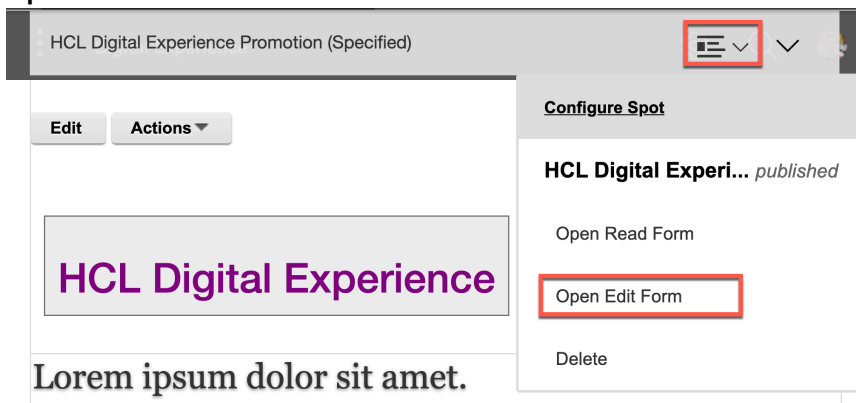
This command allows user to create or update (push) or fetch (pull) the content in a Script Application in DX Core

Usage: dxclient deploy-scriptapplication [options] [subCmd]
- Create or update the content of a Script Application instance for pull

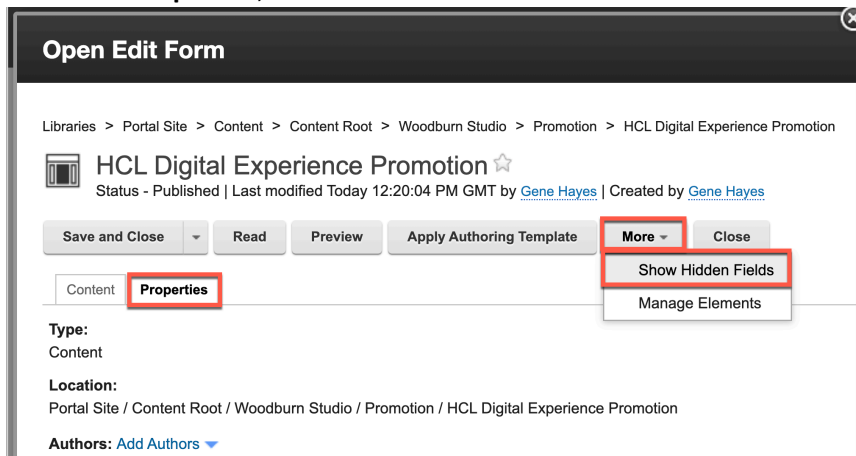
-dxProtocol, --dxProtocol <value>      Protocol of the DX Core server (default: "https")
-hostname, --hostname <value>          Hostname of the DX Core server (default: "dx.sbx8297.play.hclsofy.dev")
-dxPort, --dxPort <value>              Port number for DX Core server, for any Kubernetes Environment default port is 443 (default: "443")
-dxUsername, --dxUsername <value>      Username of the DX Core server (default: "wpsadmin")
-dxPassword, --dxPassword <value>      Password of the DX Core server (default: "*****")
-contentHandlerPath, --contentHandlerPath <value> Alternate path for the portal context root or the content handler servlet (default: "/wps/mycontenthandler")
-wcmContentId, --wcmContentId <value>   Web Content Manager content ID of an existing Script Application instance on a portal page (default: "")
-virtualPortalContext, --virtualPortalContext <value> Context of the virtual portal that contains the Script Application instance (default: "")
-projectContext, --projectContext <value> Context of the portal project that manages the publication of changes to the Script Application content (default: "")
-h, --help                               display help for command

herberthilhorst@ ~ % dxclient %
```

9. You may pull your existing Script Application, using its content UUID. You may find this under the properties of your Script Application content. To get this, open the context menu, click **Open Edit Form**.



10. Then click **Properties, More** and **Show Hidden Fields**.



11. Then it shows. You may select and copy this.

Open Edit Form

Libraries > Portal Site > Content > Content Root > Woodburn Studio > Promotion > HCL Digital Experience Promotion

HCL Digital Experience Promotion ☆

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Content **Properties**

Type:
Content

Location:
Portal Site / Content Root / Woodburn Studio / Promotion / HCL Digital Experience Promotion

UUID:
38f4292c-1bb0-4251-86f3-03a4e2658abd

Authors: [Add Authors](#)

12. To pull it, use the DXClient deploy-scriptapplication command and insert the UUID in **dxclient deploy-scriptapplication pull -wcmContentId <UUID of existing Script Application content>**

in this case run this command and you see the Script Application is stored under the store/outputFiles/sp-pull-output directory as a folder with the name of the content UUID:

dxclient deploy-scriptapplication pull -wcmContentId 38f4292c-1bb0-4251-86f3-03a4e2658abd

```
herberthilhorst@ dxclient % dxclient deploy-scriptapplication pull -wcmContentId 38f4292c-1bb0-4251-86f3-03a4e2658abd
2025-03-04 16:25:49 : Begin content pull from Portal.
(node:70961) 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)
2025-03-04 16:25:50 : Content pull was successful.
2025-03-04 16:25:50 : End content pull from Portal.
2025-03-04 16:25:50 : Command was successful. See the logger.log for details: (under logs folder).
2025-03-04 16:25:50 : ContentRoot path location: store/outputFiles/sp-pull-output/38f4292c-1bb0-4251-86f3-03a4e2658abd
herberthilhorst@ dxclient %
```

13. And in this folder, you have all the resources of your Script Application. You may then move this folder to a different place and rename it.



14. And the sp-config.json is set with the right parameters.

```
1  {
2    "contentHandlerPath": "\\wps\\mycontenthandler",
3    "mainHtmlFile": "index.html",
4    "portalUser": "wpsadmin",
5    "scriptPortletServer": "https://dx. ",
6    "wcmContentID": "38f4292c-1bb0-4251-86f3-03a4e2658abd",
7    "wcmContentTitle": "HCL Digital Experience Promotion"
8  }
```

15. To push all the changes you made back to the DX server, you can use the DXClient again. Use **dxclient deploy-scriptapplication push -h** to understand its options (or pull if you wish to pull it locally).

```
herberthilhorst@dxclient % dxclient deploy-scriptapplication push -h

This command allows user to create or update (push) or fetch (pull) the content in a Script Application in DX Core

Usage: dxclient deploy-scriptapplication [options] [subCmd]
- Create or update the content of a Script Application instance for push

-dxProtocol, --dxProtocol <value>          Protocol of the DX Core server (default: "https")
-hostname, --hostname <value>              Hostname of the DX Core server (default: "dx.sbx0297.play.hclsofy.dev")
-dxPort, --dxPort <value>                  Port number for DX Core server, for any Kubernetes Environment default port is 443 (default: "443")
-dxUsername, --dxUsername <value>          Username of the DX Core server (default: "wpsadmin")
-dxPassword, --dxPassword <value>          Password of the DX Core server (default: "*****")
-wcmSiteArea, --wcmSiteArea <value>        Web Content Manager site area in which Script Application instances are created (default: "")
-contentHandlerPath, --contentHandlerPath <value> Alternate path for the portal context root or the content handler servlet (default: "/wps/mycontenthandler")
-mainHtmlFile, --mainHtmlFile <value>      Path to the main .html file of the Script Application (default: "")
-wcmContentId, --wcmContentId <value>      Web Content Manager content ID of an existing Script Application instance on a portal page (default: "")
-contentRoot, --contentRoot <value>        Sets or updates the title of the Script Application instance (default: "")
-wcmContentTitle, --wcmContentTitle <value> Absolute or relative path to a directory on the workstation that contains the content to be pushed to the portal
-wcmContentPath, --wcmContentPath <value> Full Web Content Manager path, including library and site area (default: "")
-wcmContentName, --wcmContentName <value> Name of the Script Application instance to be created or updated (default: "")
-prebuiltZip, --prebuiltZip <value>        Path to an existing compressed file that provides the content to be pushed to the portal
-virtualPortalContext, --virtualPortalContext <value> Context of the virtual portal that contains the Script Application instance (default: "")
-projectContext, --projectContext <value> Context of the portal project that manages the publication of changes to the Script Application content (default: "")
-h, --help                                display help for command

herberthilhorst@dxclient %
```

16. Then to deploy your script, ensure your **config.json** settings are set. For the Script Application, you need to specify the one of the following parameters **wcmContentId**, **wcmContentPath** or **wcmContentName & wcmSiteArea**. If your application is already deployed, you should use its **wcmContentId**. The **wcmContentId** is also set in the **sp-config.json** file to the ID of your content that contains the Script Application, e.g. "cfbabdda-8fd8-4413-b79d-73a8cfc07424". In addition, you need to indicate the path or your Script Application with the **-contentRoot** and indicate the name of the main HTML file with **-mainHtmlFile** parameters. Use this to deploy your updated version

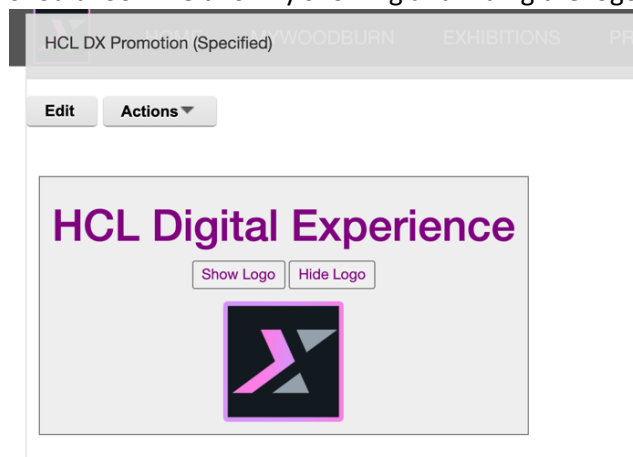
dxclient deploy-scriptapplication push -wcmContentId <UUID of existing Script Application content> -mainHtmlFile <main HTML file of your Script Application> -contentRoot <path to your Script Application>

```
herberthilhorst@dxclient % dxclient deploy-scriptapplication push -contentRoot /Users/herberthilhorst/Script/Applications/HCL_Digital_Experience_Promotion -mainHtmlFile index.html -wcmContentId 38f4292c-1bb0-4251-86f3-03a4e2658abd
2025-03-04 18:21:26 : Begin content push to Portal.
2025-03-04 18:21:26 : WCM content ID: 38f4292c-1bb0-4251-86f3-03a4e2658abd.
2025-03-04 18:21:26 : WCM Content Path: .
2025-03-04 18:21:26 : WCM Content Title: .
2025-03-04 18:21:26 : Main HTML file: index.html.
2025-03-04 18:21:26 : PrebuiltZip path does not exist.
2025-03-04 18:21:26 : Archive file:

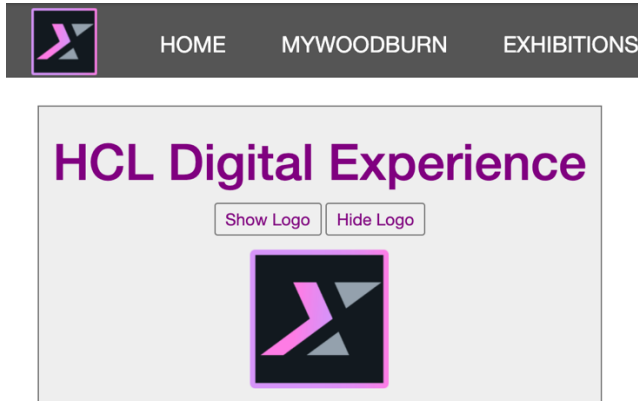
/var/folders/hd/f4svfbtj23xdh3hd7cnxm65m0000gn/T/tmp--78142-zSu7hAW0nN1R-.zip
(856 bytes in 0 files)

(node:78142) 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)
2025-03-04 18:21:28 : Content push was successful.
2025-03-04 18:21:28 : End content push to Portal.
2025-03-04 18:21:28 : Body content: {"results":{"status":"error","message":{"38f4292c-1bb0-4251-86f3-03a4e2658abd, com.aptrix.pluto.content.Content} is locked."}}.
herberthilhorst@dxclient %
```

17. Verify your changes by opening the page again on the DX server. Your Script Application should look like this. Try showing and hiding the logo.



18. Turn off the **Edit Mode** switch and try showing and hiding the logo.



Congratulations! You have successfully updated your application using your local editor and deployed your changes from your local server to the DX server using the DXClient.

Conclusion

Using this lab tutorial, you created a new HCL Digital Experience Promotion Script Application using the Script Editor. You then exported your new application from DX to your local system, updated the application with your favorite code editor, imported it back into and tested it on the DX server. You then made more changes on the application locally and deployed it on the DX server using the DXClient.

Resources

Refer to the following resources to learn more:

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

HCL SoFy - <https://hclsofy.com/>

HCL Digital Experience on HCL SoFy - <https://hclsofy.com/dx>

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>

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