

HCL Digital Experience Integration with HCL Leap for Developers

HCLSoftware U

Creating a new generation of experts

Edition: November 2023

Herbert Hilhorst – <u>herbert.hilhorst@hcl-software.com</u>

Tim Golledge – <u>tim.golledge@hcl-software.com</u>

Table of Contents

Author(s)	3
Introduction	4
Prerequisites	5
Lab Overview	6
Part 1: Discover Embedded Leap Application	8
Part 2: Discover Leap Digital Data Connector Application	20
Part 3: Discover Leap Script Application	24
Conclusion	26
Resources	27
Legal statements	28
Disclaimers	29

Author(s)

This document was created by the following Subject Matter Experts:



Herbert Hilhorst is an HCL Digital Experience (DX) Technical Advisor at HCL.

Herbert Hilhorst Company: HCL

Contact: herbert.hilhorst@hcl-software.com



Tim Golledge Company: HCL

Bio

Bio

Tim Golledge is an HCL Digital Experience (DX) Technical Advisor at HCL.

Contact: tim.golledge@hcl-software.com

Introduction

This hands-on lab guides you in understanding how HCL Leap may integrate with the HCL Digital Experience (DX) platform as a developer.



Gene Hayes, Developer, based in Chicago (USA)

Gene uses the HCL Leap integration sample to understand how he may customize it to match other business needs.

Prerequisites

- Completion of <u>HDX-INTRO</u>, <u>HDX-BUS-100</u> (including the Woodburn Stores lab) courses and the <u>HDX-INT-BU</u> DX Integration with HCL Leap for Business Users lesson, as this gives you a good idea on how Leap may be used in DX sites.
- 2. A DX server with DX Solution Modules <u>https://hclsofy.com/catalog/dx-solution-modules</u> deployed of HCL SoFy, as this gives you access to both DX & Leap.
- 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.

You will be using the following user IDs and passwords:

Purpose	User	Password
SoFy Login	Your official email id	Your password
SoFy Solution Console Login	sol-admin	pass
DX Login Administrator (Harry Pappus)	ghayes	HCL-Dem0

Lab Overview

In this lab, there are three different parts where you learn in each a different way to integrate HCL Leap in your site. These are shortly introduced now.

Part 1: Discover Leap Embedded Application

As Gene, you will first discover how the integration of Leap applications is managed with a Leap embedded application.

Why not lea	ave a review?
ENTER DESCRIP	TION OR LEAVE BLANK TO DISABLE
	Note: Embedded Leap Applications are not displayed in Edit Mode
Content Template:	Leap Application - CT
Title:	Write a review
Description:	Write a product review
Configuration 5	
Configuration	
Application:	Product Review (ba4900aa-4d4b-4892-8bb5-80b96aea7118)
Form:	Product Review (F_ProductReview)
Presentation Style	f
Design:	Leap Application - Accordion - HC
Custom CSS:	
Custom CSS:	
L	

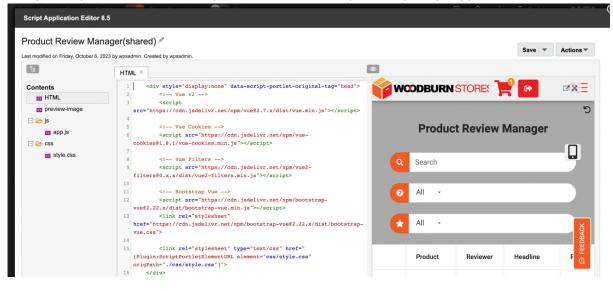
Part 2: Discover Leap Digital Data Connector Application

You learn how you may more easily integrate and customize a list of data from your Leap applications, using the Digital Data Connector (DDC).

Reviews (1	1)	
Feb 10, 2023 🌟	★★★★ Love it!	Sara Botello - Henley on Thames, GB
Great dress.		
Jan 26, 2023 🌟 Excellent dress	★★★★ Wonderful	Florence - Henley on Thames, GB
Jan 26, 2023 🌟 Lovely dress	★★★★ Awesome	Dougal - Henley on Thames, GB
Jan 26, 2023 🌟 Love it‼	★★★★ Fantastic	Brian - Henley on Thames, GB
Jan 19, 2023 ★ It fits nicely	★★★ I love this dress	Mandy Zhang - Saint Augustine, US
ontent Template: itle: escription:	Leap DDC - CT Reviews This component displays the reviews	s for the currently displayed product (id).
onfiguration 🕑	Product Review (ba4900aa-4d4b-489	92-8bb5-80b96aea7118)
orm:	Product Review (F_ProductReview)	
ettings ort By: lastUpdated ort Order: DESC ther Parameters:		
ist Presentation: P ata Source: Produc	roduct Reviews - LP ct-ID-specific Approved Leap submissior	ns - HC

Part 3: Discover Leap Script Application

And you may learn how to use Leap data and functionality in a Leap Script Application.



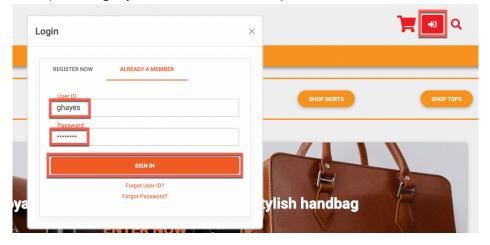
Part 1: Discover Embedded Leap Application

As a developer, Gene, you will first discover how the integration of Leap is managed with a Leap embedded application.

1. From your SoFy solution console, go to **DX Solution Modules**, open the Woodburn Store site. Under Sandbox Links, click **Open** for the **Woodburn Stores Home Page**.

DX Solution Modules	
Deployed Sandbox Expires	minutes Ō
🔀 Sandbox Links	^
Demo Home Page	Open
Login ID	wpsadmin
Password	wpsadmin 📋
Woodburn Healthcare Home Page	Open
Woodburn Stores Home Page	Open

2. Then log on to the DX server as Gene Hayes. Click LOG-IN and then use the credentials of Gene (User ID: ghayes, Password: HCL-Dem0) and click LOG-IN.



3. Then select a product that has reviews. This is the case for Hermitage Fit and Flare Dress, under women dresses. Under **Shop**, click Women **Dresses** and then the **Hermitage Fit and Flare Dress**.

> Published Site 🔻	Edit Mode: 🔵	OFF				
	WCODBL	JRN <mark>S</mark>	TORES			
Home	e Shop 🗸	Joy	Contact Us	My Account	My Work 🗸	
	Girls	Boys	Women	Men		
Hor	ne Pants	Pants	Dresses	Jackets		
Filt	er Shoes	Tops	Blouses	Shirts	ind Flare Dress	Jew
	Skirts	Shoes	Sweaters	Suits	irt	
	Bra Tops		Skirts	Pants		
			Pants	Accessories		L 1
			Shoes	Shoes		
			Handbags			
			Accessories		9.00	
			id: 1	0001	0.00	id: 330

4. Then scroll down and you'll see the Why not leave a review page component that integrates an HCL Leap application. Enable the **Edit Mode**.

<	Published Site 🔻	Edit Mode: OFF Show Metadata: ON	匠 企 : ^文 A Engli	ish 🔻 🛛
Ŧ		WCODBURN STORES	Gene Hayes 🍞	Q
		Home Shop 🗸 Joy Contact Us My A		
			Summer of the second seco	^
			1 001 Hermitage Fit and Flare # 1000 Dress	
			Y ADD TO BASKET * My Display Name	
			Gene Hayes	
	⊕	st 10001	★ ADD TO WISHLIST	
		Reviews (11)	* Headline	
		Feb 10, 2023 ★★★★★ Love it! Great dress.	Sara Botello - Henley on Thames, GB]
		Jan 26, 2023 ★★★★★ Wonderful Excellent dress	Florence - Henley on Thames, GB	
٥		Jan 26, 2023 ★★★★★ Awesome Lovely dress	Dougal - Henley on Thames, GB	
	\odot	Jan 26, 2023 ★★★★★ Fantastic	Brian - Henley on Thames, GB	

 You now see the details on its configuration. It is managed by a Write a review content item. Open this content to see all elements. Open the display content menu and click **Open Edit** Form.

<	Published Site 👻	Edit M	xde: CN Show Metadata: ON		⊡ ŵ :	☆ _A English ▼	HCL (j
Ŧ			WCODBURN STORES		Gene		
			ome Shop 🗸 Joy Contact Us My Account My Work 🗸	Web Content	Viewer (Targeted)	E~ ~	
			er tron tert Template: simpleHTML - CT : Product Details	ENTER D	not leave a rev DESCRIPTION OR LE	Configure Spot	Displayed
			sription: This component show the details of the selected product.	BLANK	O DISABLE	Write a review	published
			Reviews (11)		edded Leap Applic displayed in Edit M	Open Read For	n
				Content	Leap Applicat	Open Edit Form	
C C	•			Template: Title:	Write a review	Delete	
				Description:	Write a produc	ct review	
			Excellent dress	Configuration	ľ		ACK
			Jan 26, 2023 **** Awesome Dougal - Henley on Thames, GB Lovely dress	Application:	Product Revie 4d4b-4892-8b	b5-	© FEEDBACK
			Jan 26, 2023 *** Fantastic Brian - Henley on Tharmes, GB	Form:	80b96aea711 Product Review (F_Pro	·	
			Jan 19, 2023 ★★★★ I love this dress Mandy Zhang - Saint Augustine, US	Presentation \$	Style 🕑		
				Design:		on - Accordion -	
0	0			Custom CSS:	HC B		

6. Here you see the different elements that manage the selection of the Leap application form, with its Application and Form ID and more parameters. Now see what Content Template has been used for this. Click **Properties**.

	a review ☆ blished Last mo	dified 9/26/23,	3:07:19 PM GMT by wpsadmin	Created by w	psadmii
Save and Close	- Read	Preview	Apply Authoring Template	More -	Clo
Display title: ② Lo Write a review	ocalizations				
Description: Loca	lizations				
Write a product re-	view				

HCL DX INTEGRATION WITH HCL LEAP FOR DEVELOPERS LAB

 Then open the Content Properties and you see that this content is based on the Leap Application – CT Content Template in the Leap web content library. Open it now in Web Content Authoring. Open the applications menu and click Web Content. If you cannot directly open the applications menu, close the content first.

	D	: 文 _A English ▼
IRN STORES	Home	
Open Edit Form	Web Content	
Libraries > Woodburn Stores Content > Content > woodburnstores > shop > Write a	Digital Assets Site Templates	
Status - Published Last modified 9/26/23, 3:07:19 PM GMT by wpsadmin Cre	Themes	
Save and Close 👻 Read Preview Apply Authoring Template	Personalization	
Content Properties	Administration	
Type:	Help Center	
Content Location: Woodburn Stores Content / woodburnstores / shop / Write a review	Support	
Authors: Add Authors wpsadmin ×		
Owners: Add Owners 💌		
र Sontent Properties		
Content Template: Leap / Leap Application - CT		
Mapped Presentation Templates:		
Path Presentation Template /Woodburn Stores Leap / Embedded Leap Application - Content/woodburnstores/shop	PT	
1 - Deafile		

8. Open the Web Content section and click Authoring. Find the Leap library, click Leap – Authoring Templates – Leap Application - CT to open it and then the Default Content tab, so see the different elements it is using. It has the application and form ID and other parameters needed for the Leap embedded JavaScript API call. In addition, it also has custom CSS to be used, information to find this easily in search results, some additional content elements, like Display title, description and image and the preview-image for the Page Component.

Published Site 🔻		☑ ⋒ ː ¤ _A English → <i>HCL</i> (j́)
\leftarrow Back Q : \times		
Web Content	Library Explorer	Libraries > Leap > Authoring Templates > Leap Application - CT
	▹ Item Views	Ecap Application - CT ☆ Status - Published Last modified 9/25/23, 4:06:48 PM GMT by wpsadmin Cm
Content Composer	▹ Project Views	Edit Add To Project Apply Authoring Template Preview Mor
Q Authoring	Group By Views	Content Template Properties Default Content Default Content Properties
Content Reporting	▶ Personal Views	Name: Leap Application - CT

 And it uses a Design reference component element that selects how to display this content and is set by default to the HTML Component Leap / Presentation Components / Leap Application - Simple – HC. Click this to see more details on this Simple design.

▼ Design
Component:
Leap / Presentation Components / Leap Application - Simple - HC

 Here you see the simple design HTML markup that puts an inplace editable display title and description on the top, with options to edit them easily, and then component to display the Leap application. Open this. Click [Component name="leap/general/embed leap application - hc"].

Leap Application - Simple - HC Status - Published Last modified 9/1/23, 1:05:45 PM GMT by <u>wpsadmin</u> Created by <u>wpsadmin</u>
Edit Add To Project Preview Change to Draft More * Close
HTML Properties
Name: Leap Application - Simple - HC
Display title: Leap Application - Simple - HC
Description: None
O HTML Element
HTML Markup:
Export
<div class="p-4" id="[Plugin:ScriptPortletNamespace]"> [IfNotEditMode] [Plugin:NotEquals text1="[Element key="displayTitle"]" text2=""]</div>
<pre></pre> div class="py-2 fs-4">
<div class="display-4 fs-4 text-primary">[Element key="displayTitle"]</div>
[Plugin:NotEquals text1="[Element key="displayDescription"]" text2=""] <div class="display-4 fs-6 text-muted">[Element key="displayDescription"]</div> [/Plugin:NotEquals] [/Plugin:NotEquals] [/lfNotEditMode]
[IfEditMode]
<div class="py-2 fs-4"></div>
<div class="display-4 fs-4 text-primary"></div>
[EditableElement key="displayTitle" format="div"] [Element key="displayTitle" ifempty="ENTER TITLE OR LEAVE BLANK TO DISABLE"] [/EditableElement]
<div class="display-4 fs-6 text-muted"> [EditableElement key="displayDescription" format="div"] [Element key="displayDescription" ifempty="ENTER DESCRIPTION OR LEAVE BLANK TO DISABLE"] [/EditableElement] </div>
[/IfEditMode]
<pre><div class="o-0"> [Component name="leap/general/embed leap application - hc"]</div></pre>

11. This describes your default way to show the Leap application, used for most of the other designs, here configured to the basic one. This makes it easy to update it for all them. Open it. Click [Component name="leap/general/embed leap application basic - hc"].

Libraries > Leap > Components > General > Embed Leap Application - HC
Status - Published Last modified 9/26/23, 3:20:05 PM GMT by wpsadmin Created by wpsadmin
Edit Add To Project Preview Change to Draft More + Close HTML Properties
Name: Embed Leap Application - HC
Display title: Embed Leap Application - HC
Description: None
O HTML Element
HTML Markup: Export
[Component name="leap/general/embed leap application basic - hc"]

HCL DX INTEGRATION WITH HCL LEAP FOR DEVELOPERS LAB

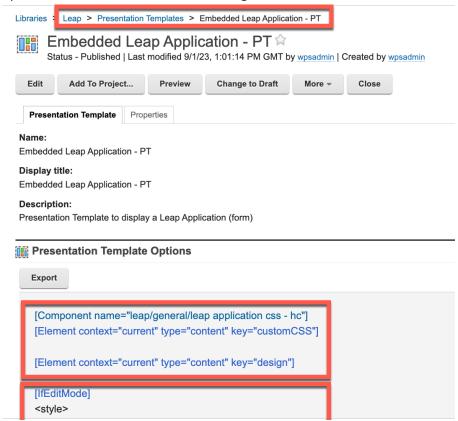
12. You notice the header management, to show a loading of the form when viewing and a message that embedded Leap application are not displayed in edit mode. And then the use of the HCL Leap embedded JavaScript with all the parameters managed by the content, like the Leap application and form ID. More details on the Leap Embedded API are here: https://help.hcltechsw.com/Leap/9.3/ref_embedding_api.html. Now have a look at how this triggered with the corresponding presentation template of your Leap Application – CT content template. Open that content template again. Under the **Open Items**, click Leap

✓ Open Items	Embed Leap Application BASIC - HC
E Leap Application	Description:
Leap Application	None
Embed Leap Applic ×	O HTML Element
Embed Leap Applic ×	
Close: All Others	HTML Markup:
New -	Export
 Open Views 	<div class="w-100" id="[Plugin:ScriptPortletNamespace]leapDiv"></div>
	[Plugin:NotEquals text1="[Element context="current" type="content" key="appld"]" text2=""]
Library Explorer	<pre><div class="card shadow-1-strong m-4"></div></pre>
	<div class="card-body text-center m-4"> [IfEditMode]</div>
Preferences	<pre>Note: Embedded Leap Applications are not displayed in Edit Mode</pre>
	[/ifEditMode]
	[IfNotEditMode]
	<pre><div class="spinner-border spotlight-text-primary" role="status" style="width: 5rem; height: 5rem"></div></pre>
	Loading
	[/lfNotEditMode]
	[/Plugin:NotEquals]
	[/Plugin:NotEquals]
	// console.log("### Embed Leap Applicaton appld: [Element context="current" type="content" key="appld"]")
	/console.log("### Embed Leap Applicaton appld: [Element context="current" type="content" key="appld"]') Leap.onReady = function() {</th
	// console.log("### Embed Leap Applicaton appld: [Element context="current" type="content" key="appld"]")
	<a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a <=""]")="" a="" current"="" href="miltiplication-appld: [Element context=" key="appld" type="content"> <a current"="" href="miltiplication-appld: [Element context=" t<="" th="" type="curent">
	/console.log("### Embed Leap Applicaton appld: [Element context="current" type="content" key="appld"]") Leap.onReady = function() {</td
	Content et al and a leap content et al and a l
	/div <
	<script data-leap-config="(overwriteExistingDojoConfig: true)" src="/apps/api/leap.js"></script> Leap.onReady = function() { let prefSecMod = 'anon'; </td

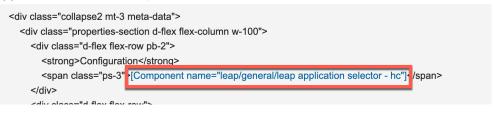
 Here you can easily find its corresponding presentation template. Open it. Click Content Template and then under Default Presentation Template Leap / Embedded Leap Application - PT.

Libraries > Leap > Authoring Templates > Leap Application - CT
Each Application - CT Status - Published Last modified 9/25/23, 4:06:48 PM GMT by wpsadmin Created by wpsadmin
Edit Add To Project Preview Change to Draft More ~ Close
Content Template Properties Default Content Default Content Properties
Name: Leap Application - CT
Display title: Leap Application - CT
Description: Use this template to allow business users to configure what Leap application to show embedded.
▼ Item Properties
Rendering type:
This is a content rendering template. To create a File Resource or Link rendering template, click manage eler
then select Resource or Link as the rendering type.
Default Presentation Template:
Leap / Embedded Leap Application - PT
Summary Presentation Template:

14. This first calls the Leap Application CSS HTML Component that manages the overall styling of the Leap applications. Then it calls the custom CSS from the content, defined in the Content Template. Is uses the selected design component from the content. And below you see the options to show the metadata and configure.



15. You see the configuration option. Open that. Click [Component name="leap/general/leap application selector - hc"].



- 16. This component allows your users to view all the published applications, select one and update its selection in the configuration content, using REST API calls.
- 17. Then go back to your presentation template and you see the place where you allow the users to select from the available styles. Have a closer look now. Click [Component name="leap/general/leap presentation style selector mc"].

v class="collapse2 mt-3 meta-data">
<div class="properties-section d-flex flex-column w-100"></div>
<div class="d-flex flex-row pb-2"></div>
Presentation Style
<pre>[Component name="leap/general/leap presentation style selector - mc"]<'span></pre>

18. As you can see, this is a menu component that uses the presentation styles content that is based on the Leap / Leap Presentation Style – CT content template and has all options stored in this Leap library under the site area Leap Presentation Styles. You may want to look at the List Presentation Markup to see how these contents are displayed, can be selected and then stored into the Leap application content. Then have a look at those contents. First go to that site area. Click Leap.

Libraries Leap Components > General > Leap Presentation Style Selector - MC
Leap Presentation Style Selector - MC Status - Published Last modified 7/4/23, 8:50:40 AM GMT by wpsadmin Created by wpsadmin
Edit Add To Project Preview Change to Draft More ~ Close
Menu Properties
Name: Leap Presentation Style Selector - MC
Display title: Leap Presentation Style Selector - MC
Description: None
▶ Menu Criteria
▼ Authoring Templates
Authoring Templates Search for content items that use these authoring templates: /Leap/Leap Presentation Style - CT
Search for content items that use these authoring templates:
Search for content items that use these authoring templates: /Leap/Leap Presentation Style - CT
Search for content items that use these authoring templates: /Leap/Leap Presentation Style - CT
Search for content items that use these authoring templates: /Leap/Leap Presentation Style - CT Further options Location Libraries Site Areas
Search for content items that use these authoring templates: /Leap/Leap Presentation Style - CT Further options Location
Search for content items that use these authoring templates:
Search for content items that use these authoring templates: /Leap/Leap Presentation Style - CT Further options Location Libraries Site Areas For all selected and included site areas: Include ancestors

19. Then click **Content – Leap Presentation Styles**. Here you all the options. Open one of them to see what is stored in it. Click for example **50-50 Image**.

Librari	es 🕨	Leap Content > Leap P	resentation	Styles		
Ne	w -	Generate - Read	Edit	Delete	Preview	More -
Filter						
	Туре	Title		Status	Last Saved	
	H	50-50 Content Band		Published	7/4/23, 9:52	:49 AM GMT
		50-50 Image		Published	Yesterday 1	2:53:11 PM GMT
	E	Accordion		Published	7/4/23, 9:51	:41 AM GMT
	E	Card		Published	7/4/23, 9:53	:44 AM GMT
	B	Modal Window		Published	7/4/23, 9:48	:14 AM GMT
	E	Simple		Published	7/4/23, 9:50	:28 AM GMT
		Data (Responses)		Published	7/4/23, 9:44	:03 AM GMT
		Slide Out		Published	7/25/23, 11:	44:19 AM GMT

20. Here you see its title and image to show in the menu as well as the specific presentation component to use. So, if you want to add other presentations, create the presentation component and a content here to describes and points to it.

50-50 Image Status - Published Last r				by <u>wpsadmin</u>	Created
Edit Add To Project	Preview	Link	More -	Close	
Content Properties					
Name: 50-50 Image					
Display title: 50-50 Image					
Description: None					
▼ Title					
Title 50-50 Image					
✓ Image					
50-50 Image.png					
▶ Image Attributes					
▶ Renditions					

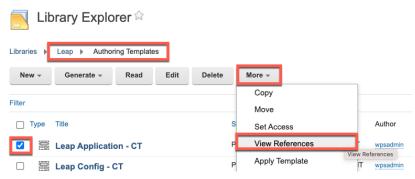
Design

Discourse and

Component:

Leap / Presentation Components / Leap Application - 50-50 Image - HC

 If you are looking for more examples of the Leap Application – CT Content Template, go to Authoring Templates, select your Leap Application – CT Content Template – open More and click View References.



You have successfully discovered how to embed an HCL Leap application using the Leap embedded JavaScript API and allow business users to select them easily with the right presentation.

Part 2: Discover Leap Digital Data Connector Application

Learn how you may more easily integrate and customize a list of data from your Leap applications, using the Digital Data Connector (DDC).

1. This was for example used in the Shop page with the Review page component. In the Business User lab in part 2 you had a quick view on this. Go to that Shop page. Click Shop and Dresses under Women, select the Hermitage Fit and Flare Dress, switch on Edit Mode on and check the configuration again. You see that the Reviews page component uses the Leap DDC – CT Content Template with the right configuration and settings. It shows the list in the last updated, in descending order, uses the Products Review list presentation and Product-ID-specific Approved Leap submissions – HC as data source. Then open the content menu and click Open Read Form to look at the details of this content.

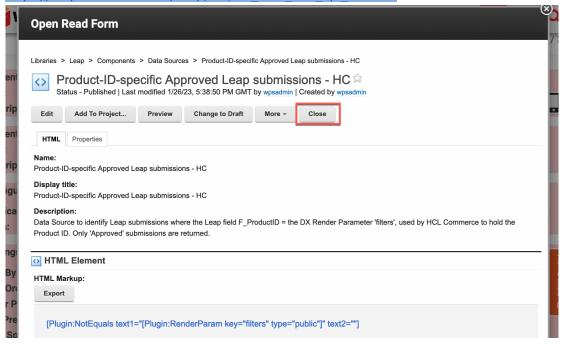
< 1	Published Site - Edit	Mode: ON Show M	Metadata: ON			
Ŧ			URN STORES			
		Home Shop 🗸	Joy Contact Us My Account My Work 🗸			
		Web Content Viewer (Tar	geted), component show the details of the selected product.		Ē~	✓ Temp
		Reviews (11)	1		Configure Spot	51
		Feb 10, 2023 ★ 🕇 Great dress.	★★★ Love it!	Sara Botell	Reviews Reviews published	Displayed fi
		Jan 26, 2023 ★★ Excellent dress	★★★ Wonderful	Florenc	Open Read Form	n Preso
		Jan 26, 2023 ★ 🗙 Lovely dress	★★ ★ Awesome	Dougal	- Henley on Thames, I	
		Jan 26, 2023 ★ 🕇 Love it!!	★★★ Fantastic	Brian	- Henley on Thames,	GB
€)	Jan 19, 2023 ★ 🗙 It fits nicely	★★ I love this dress	Mandy Zha	ang - Saint Augustine,	US
						/ 3
		Content Template: Title:	Leap DDC - CT Reviews			
		Description:	This component displays the reviews for the currently displayed produ	ıct (id).		
		Configuration				
		Application:	Product Review (ba4900aa-4d4b-4892-8bb5-80b96aea7118)			
		Form:	Product Review (F_ProductReview)			
		Settings				
		Sort By: lastUpdated				
		Sort Order: DESC Other Parameters:				
		List Presentation: Pro	duct Reviews - LP			
0	_	Data Source: Product-	ID-specific Approved Leap submissions - HC			

Here you can easily access the data source and list appearance components. First have a look at how the data source is created. Click Product-ID-specific Approved Leap submissions

 HC.

omponent:	
ap / Data Source	es / Product-ID-specific Approved Leap submissions - HC
List Appeara	nce
List Appeara	nce
List Appeara	nce
omponent:	nce views / Product Reviews - LP

 Have a look at the HTML Markup. It uses the Leap List Data access REST API, detailed in https://help.hcltechsw.com/Leap/9.3/ref data rest api list.html. Then close it. Click Close.



4. And then open the list appearance. Click **Products Review**.

 Data So 	urce
Component	:
Leap / Data	Sources / Product-ID-specific Approved Leap submissions - HC
 List App 	bearance
 List App Component 	
Component	
Component	<u>.</u>

HCL DX INTEGRATION WITH HCL LEAP FOR DEVELOPERS LAB

 This the DDC Personalization Component, configured with the pluggable resources. Have a look at the List Presentation Markup. You will it uses the Leap Data access REST APIs, described in <u>https://help.hcltechsw.com/Leap/9.3/ref_data_access_rest_api.html</u>. Then close it again. Click Close.

DI	Open Read Form	
, dc	Libraries > Leap > Components > Product Reviews > Product Reviews - LP Product Reviews - LP ☆ Status - Published Last modified 2/10/23, 12:03:48 PM GMT by wpsadmin Created by wpsadmin	te
	Edit Add To Project Preview Change to Draft More ~ Close Personalization Properties	
	Name: Product Reviews - LP	
	Display title: Product Reviews - LP Description:	
	None	-1
	🙀 Embedded Rule	
/or	Description None	_
	Rule Type Select Action	- 1
Sel	Select action rules return resources (items of content) from a resource collection based on a set of conditions. These conditions may include boolean logic, arithmetic operations, and values from the current application. You may also sort, randomize, and/or limit the number of results returned.	
•)	Select Pluggable Resources	_ 1

 If you go the Web Content – Authoring, in the Leap web content library under the Components, you will find other Data Sources and under Product Reviews another List Presentation. These are used for other Digital Data Connector configurations with HCL Leap.

Publish	ed Site 👻			D	۵	:
\leftarrow 1	Back Q : ×			Home		
Web	Content	Library Explorer	📘 Library Explorer 🕯	Web Content		
		Item Views	Libraries Leap Components	Digital Assets		
	Content Composer	Project Views	New - Generate - Read Edit	Site Templates		
Q	Authoring	Group By Views	Filter	Themes		
F	Content Reporting	Personal Views	Type Title	Personalization		
		Help	🗌 🕨 🖻 Data Sources	Administration		4 PM GM
\bigcirc	Preview	Preferences	🗌 🕨 📴 General	Help Center		5 PM GM
	Web Content Libraries		Presentation Components			M GMT
Ŋ	Syndicators		Show: 10 25 50 items per page	Support		M GMT

7. And to find more examples of use of this Leap DDC – CT Content Template, go to Leap – Authoring Templates, select the template, click More and View References.

📃 Lik	orary Explorer ☆			
Libraries 🕨	Leap Authoring Templates			
New -	Generate - Read Edit Delete		More -	
		_	Сору	
Filter		_	Move	
🗌 Туре	Title	S	Set Access	
	Leap Application - CT	Р	View References	ł
	Leap Config - CT	Р	Apply Template	т
	Leap DDC - CT	Ρ	Unlock	-
	I B	D	Purge	т

Congratulations. You have successfully discovered how the Digital Data Connector was used to manage lists of data from HCL Leap in DX.

Part 3: Discover Leap Script Application

Learn how to use Leap data and functionality in a Leap Script Application.

 First look at the Leap Script Application example that is provided in the Woodburn Stores site. Open My Work, and under MARKETING, open the Product Review Manager page. Try this out again, if you have not done this with the Business User lab and then switch the edit mode on. Then click Edit.

> Published Site	▼ Edit Mode: ON Sho	w Metadata: ON		<u>٦</u>	i 🏠	: 🛪 English 🕶 🖛
S	WCODBURNS	TORES				Gene Hayes 🗭
		Contact Us My Ac		<u>, </u>		
			SALES	MARKETING	FINANC	E
				Product Review Manager	menu	
Edit	Actions 🔻					0
						5
		Produc	t Review Ma	anager		
(Q Search			∥ -	All	
	Product	Reviewer	Headline	Review		

2. You can see this is a View.js portlet that manages its design in the HTML content, the logic in the app.js and the look and feel in the style.css (empty, as defined by the DX theme). Have a look around. Then close it.

oduct Review Ma	nager(shared) 🖉	Save ▼ Actions▼
modified on Friday, October 6,	2023 by wpsadmin. Created by wpsadmin.	
	HTML × app.js × style.css ×	(()
ontents	1 <div data-script-portlet-original-<="" style="display:none" td=""><td></td></div>	
👩 HTML	tag="head">	
_	2 <1 Vue v2>	WCODBURN STOF 📃 🚯 🛛 📿
preview-image	3 <script< td=""><td></td></script<>	
🛾 🗁 js	<pre>src="https://cdn.jsdelivr.net/npm/vue@2.7.x/dist/vue.min.js"></pre>	رم ا
o app.js		5
🗁 css	5 < Vue Cookies>	Product Review Manager
	6 <script src="https://cdn.jsdelivr.net/npm/vue-</p></td><td></td></tr><tr><td>style.css</td><td>cookies@1.8.1/vue-cookies.min.js"></script>	
	7	
	8 Vue Filters	Q Search
	<pre>9 <script src="https://cdn.jsdelivr.net/npm/vue2-</pre></td><td>ocuron -</td></tr><tr><td></td><td>filters@0.x.x/dist/vue2-filters.min.js"></script></pre>	
	10	
	11 Bootstrap Vue	I All -
	12 <script src="https://cdn.jsdelivr.net/npm/bootstrap-</td><td></td></tr><tr><td></td><td><pre>vue@2.22.x/dist/bootstrap-vue.min.js"></script> 13 <link <="" pre="" rel="stylesheet"/>	All -
	href="https://cdn.jsdelivr.net/npm/bootstrap-	All -
	vue@2.22.x/dist/bootstrap-vue.css">	
	14	
	<pre>15 <link css="" href="</pre></td><td>Q .</td></tr><tr><td></td><td>[Plugin:ScriptPortletElementURL element=" rel="stylesheet" style.css"<="" td="" type="text/css"/><td>Product Reviewer Headline Revi</td></pre>	Product Reviewer Headline Revi
	origPath="./css/style.css"]">	

 If you go to the Web Content - Authoring again, you will under the Leap web content library, Content – Leap Applications – Product Review Components this and another Script Application example. Feel free to learn from these and copy them and make any changes.

N Library Explorer ☆		
Libraries 🕨 Leap 🕨 Content > Leap Applicat	ions > Product Review Compor	nents
New - Generate - Read Ed	it Delete Preview	More
Filter		
Type Title	Status	Last §
Product Review Manager	Published	3/7/2:
Product Rating Summary	Published	2/10/2
	- ··· ·	

You have successfully discovered how to integrate HCL Leap data in DX using Script Applications.

Conclusion

Using this lab tutorial, you have learn how to integrate HCL Leap applications, using the Embedded JavaScript API with a configurable content. You also learn different ways to integrate HCL Leap data in DX, using the Digital Data Connector and a Script Application.

You should now be able to create your own integrations.

Resources

Refer to the following resources to learn more:

- HCL Digital Experience Home <u>https://hclsw.co/dx</u>
- HCL Digital Experience on HCL Solutions Factory (SoFy) https://hclsofy.com/
- HCL Software https://hclsw.co/software
- HCL Product Support <u>https://hclsw.co/product-support</u>
- HCL DX Product Documentation https://hclsw.co/dx-product-documentation
- HCL DX Support Q&A Forum <u>https://hclsw.co/dx-support-forum</u>
- HCL DX Video Playlist on YouTube https://hclsw.co/dx-video-playlist
- HCL DX Product Ideas <u>https://hclsw.co/dx-ideas</u>
- HCL DX Product Demos <u>https://hclsw.co/dx-product-demo</u>
- HCL DX Did You Know? Videos https://hclsw.co/dx-dyk-videos
- HCL DX GitHub <u>https://hclsw.co/dx-github</u>
- HCL DX Web Developer Toolkit https://github.com/HCL-TECH-SOFTWARE/WebDevToolkitForDx

Legal statements

This edition applies to version 9.5, release 215 of HCL Digital Experience and to all subsequent releases and modifications until otherwise indicated in new editions. It uses the DX Solution Modules with additional resources in HCL SoFy.

When you send information to HCL Technologies Ltd., you grant HCL Technologies Ltd. a nonexclusive right to use or distribute the information in any way it believes appropriate without incurring any obligation to you.

©2023 Copyright HCL Technologies Ltd and others. All rights reserved.

Note to U.S. Government Users — Documentation related to restricted rights — Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract with HCL Technologies Ltd.

Disclaimers

This report is subject to the HCL Terms of Use (<u>https://www.hcl.com/terms-of-use</u>) and the following disclaimers:

The information contained in this report is provided for informational purposes only. While efforts were made to verify the completeness and accuracy of the information contained in this publication, it is provided AS IS without warranty of any kind, express or implied, including but not limited to the implied warranties of merchantability, non-infringement, and fitness for a particular purpose. In addition, this information is based on HCL's current product plans and strategy, which are subject to change by HCL without notice. HCL shall not be responsible for any direct, indirect, incidental, consequential, special or other damages arising out of the use of, or otherwise related to, this report or any other materials. Nothing contained in this publication is intended to, nor shall have the effect of, creating any warranties or representations from HCL or its suppliers or licensors, or altering the terms and conditions of the applicable license agreement governing the use of HCL software.

References in this report to HCL products, programs, or services do not imply that they will be available in all countries in which HCL operates. Product release dates and/or capabilities referenced in this presentation may change at any time at HCL's sole discretion based on market opportunities or other factors, and are not intended to be a commitment to future product or feature availability in any way. The underlying database used to support these reports is refreshed on a weekly basis. Discrepancies found between reports generated using this web tool and other HCL documentation sources may or may not be attributed to different publish and refresh cycles for this tool and other sources. Nothing contained in this report is intended to, nor shall have the effect of, stating.

or implying that any activities undertaken by you will result in any specific sales, revenue growth, savings or other results. You assume sole responsibility for any results you obtain or decisions you make as a result of this report. Notwithstanding the HCL Terms of Use <u>(https://www.hcl.com/terms-of-use)</u>, users of this site are permitted to copy and save the reports generated from this tool for such users own internal business purpose. No other use shall be permitted.