

SFRA Training Plan

Pre-requisites for trainers

1. **Create a xchange account:** Create xchange account for all trainees. After xchange accounts are created each trainee has to activate their account.
2. **On-Demand Sandbox:** Arrange sandbox for all trainees and assign sandbox to each trainee.

Pre-requisites for trainees

1. **Create a Trailhead account:** All trainees to create account on <https://trailhead.salesforce.com/home>. Use either your PS email id or your personal email id to create the account.
2. Go through following trailhead links to gain some preliminary knowledge of platform.

Required software/tools:

- Install Java 8 from oracle
- Install nvm (node version manager) Refer link
 1. <https://github.com/coreybutler/nvm-windows>
- Install node version 11.15.0 (as this is stable version for windows). Use below command
 1. nvm install 11.15.0

if fails - with error something like "Could not retrieve <https://nodejs.org/dist/latest/SHASUMS256.txt>."
then execute below commands in given order

```
nvm arch 64
nvm install 11.15.0 64
nvm use 11.15.0
```

- Use this version of node by adding it in path and other commands
 1. Add in environment variables PATH ;C:\Users\youruser\AppData\Roaming\nvm\v11.15.0\npm C: \Users\youruser\AppData\Roaming\nvm\v11.15.0\node
 2. Also proper location for NVM_HOME & NVM_SYMLINK as C:\Users\youruser\AppData\Roaming\nvm\v11.15.0
- Setup eclipse with UX Studio or Visual Studio code.
- Install Git

Topic	Link	Duration
Essentials in JavaScript ES6*	https://sapient.udemy.com/course/essentials-in-javascript-es6/	2 hrs
Learn and Understand NodeJS*	https://sapient.udemy.com/course/understand-nodejs/	13 hrs
Ecommerce 1-0-1 (search for Ecommerce 101 if you are unable to access training directly)	https://sapient.learn.taleo.net/Page/8/?sessionId=3-CB0071AF-9BD9-4EDC-8E8F-1A485C320935	
Explain what Commerce Cloud is, Describe the core capabilities that are part of Commerce Cloud. Explain the difference between Salesforce B2B Commerce and Salesforce B2C Commerce. Describe how customers use Commerce Cloud.	https://trailhead.salesforce.com/content/learn/modules/cc_ccbasics	20 Mins
How you can sell, recommend, and manage merchandise with these powerful features	https://trailhead.salesforce.com/content/learn/modules/cc_cccapability	20 Mins
Explore how B2C Commerce transforms the online shopping experience.	https://trailhead.salesforce.com/content/learn/modules/cc-digital	20 Mins
Salesforce B2C Commerce for Merchandisers - Configure product listings, make them easy to find, and give shoppers discounts they love.	https://trailhead.salesforce.com/content/learn/modules/cc-digital-merchandising	60 mins
Build Your Ecommerce Site with Salesforce B2C Commerce	https://trailhead.salesforce.com/en/content/learn/trails/build-ecommerce-site-with-cc-digital	2h 35 mins
Develop for Salesforce B2C Commerce	https://trailhead.salesforce.com/en/content/learn/trails/develop-for-commerce-cloud	5hr 20 mins

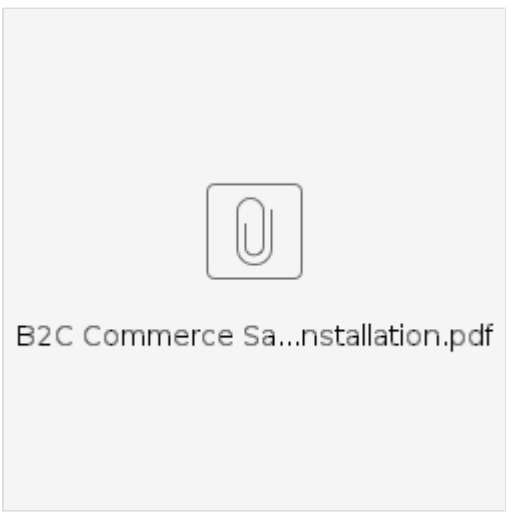
Modern JavaScript Development	https://trailhead.salesforce.com/content/learn/modules/modern-javascript-development	1hr 15 mins
Learn the architecture and tools you use to develop for Salesforce B2C Commerce.	https://trailhead.salesforce.com/en/content/learn/modules/architecture-of-commerce-cloud-digital	30 mins
know the tools and technologies you use to develop for B2C Commerce.	https://trailhead.salesforce.com/content/learn/modules/cc-digital-for-developers	50 mins
Code Setup and Business Manager Overview		

Training Plan

DAY 1	Salesforce Overview	Live session with Rakesh Thakur/Nishant Gupta	2 hr
	Introduction to Commerce Cloud	https://salesforce.vidyard.com/watch/2JNJ52QtFn8cKWmhoviSxL?	1 hr
	SFRA Overview	https://embed.vidyard.com/watch/NvrLh29gRqyGVDKiQnrsBC	15 mins
	SFRA Architecture Overview	https://salesforce.vidyard.com/watch/fVzzSXddHXwvcCfeRVvcoX?	15 mins
	Cartridge and Controller Extending a Controller	Recorded Session by Jorge Hernandez (Salesforce Architect) Fast Path to B2C Commerce Developer Certification_ Module 2	2 hr
	Q/A Session	Live Question Answer Session with a SFCC SME.	1 hr
DAY 2	Daily Standup	Live Daily Standup meeting	30 mins
	Models, Model Decorator, ISML, Client Side Javascript	Recorded Session by Jorge Hernandez Fast Path to SFRA B2C Commerce Developer Certification: Module 3	2 hr
	Lab Activity	Create a new cartridge, build a simple controller which prints "Hello World" on storefront	3 hr
	Q/A Session	Live Question Answer Session with a SFCC SME.	1 hr
	Open Book Test		1 hr
DAY 3			
	Daily Standup	Live Daily Standup meeting	30 mins
	Forms, Transactions and Middleware Events	Recorded Session by Jorge Hernandez Fast Path to SFRA B2C Commerce Developer Certification: Module 4	2 hr
	Business Manager	Business Manager Features Overview. Content Read	3 hr
	Q/A Session	Live Question Answer Session with a SFCC SME.	1 hr
DAY 4	Daily Standup	Live Daily Standup meeting	30 mins
	Introduction to OCAPI	https://share.vidyard.com/watch/SuHKKP72voLN2ezSDidqeB	1 hr
	Lab Activity	<ul style="list-style-type: none"> Create a controller to render a form which only has one field called email id. Get the input from the user on form field. Store it in a custom object. Display all the emails id's stored in custom object on final output screen on form submission. 	3 hr
	Q/A Session	Live Question Answer Session with a SFCC SME.	1 hr

DAY 5	Daily Standup	Live Daily Standup meeting	30 mins
	Page Designer, Job Framework	Recorded Session by Jorge Hernandez Fast Path to SFRA B2C Commerce Developer Certification: Module 5	2 hr
	OCAPI & Service Framework	Recorded Session by Jorge Hernandez Fast Path to SFRA B2C Commerce Developer Certification Module 6	2 hr
	Q/A Session	Live Question Answer Session with a SFCC SME.	1 hr
	Open Book Test	1 hr	
	Security and Performance	Live Session by Nishant	1 hr

LEGACY TOPICS (NO SME Support)

DAY 6	Daily Standup	Live Daily Standup meeting	30 mins
	Sandbox Setup & UX Studio		
	Cartridges	https://share.vidyard.com/watch/aGmtB5GLWmjPiHb1WXQ5nC	
	Controllers	https://share.vidyard.com/watch/PGNGhm3SGugiWnDfeKn28v	
	ISML	https://share.vidyard.com/watch/gJoEW32BEVQmaaQNSAn6GK https://share.vidyard.com/watch/jQdeuZxFk6cyqaUEYfoPis	
	Content Slot	https://share.vidyard.com/watch/2KcdLRhAX4zoz16KAFXaTK	
	Scripts	https://share.vidyard.com/watch/scZu57r1XNAGL2VD9QP72Q	
	Forms framework	https://share.vidyard.com/watch/LG85B13C9Lt2qnfPFga9sq	
	Custom Objects	https://share.vidyard.com/watch/SFvNk3Az7Qe4qCNEj2chBK	
	Data Binding/Transaction	https://share.vidyard.com/watch/6yvbcbf2oXtPoaWm1xPgqT	

ADVANCED TOPICS (NO SME SUPPORT)

DAY 7	Daily Standup	Live Daily Standup meeting	30 mins
	Cross Cloud Connectors Marketing Cloud	https://share.vidyard.com/watch/rtsMd1sDLRX8r9HJ8EEko	1 hr 15 mins
	Cross Cloud Connectors Service Cloud	https://embed.vidyard.com/share/H4adwRCyWSWEXwc9BpZrWG?	1 hr 30 mins
	On Demand Sandbox	https://share.vidyard.com/watch/1q6B5Ruj4uXnEaAPpj1FmS?	1 hr 30 mins

DAY 8	Daily Standup	Live Daily Standup meeting	30 mins
	Headless/API First	https://share.vidyard.com/watch/od777aNZVuq7iWgQHT4B2i?	6 hrs
	Heroku for B2C Commerce	https://share.vidyard.com/watch/CvTcD3nQuTKFmjA14uxUin	1 hr
DAY 9	Daily Standup	Live Daily Standup meeting	30 mins
	Page Designer Intro to Advanced	https://salesforce.vidyard.com/watch/e8tHJz2Aj8wpQDsFP5L7wX?	6 hrs
DAY 10 Optional.. (Depending upon availability of speaker)	Daily Standup	Live Daily Standup meeting	30 min
	RACE-Accelerator	Introduction to Aquatic, Goldfish, Shark, Flutter, Dart, Go-lang	

Case Studies (for week 3)

- Share high level approach how this requirement will be met.
- SFRA coding practices are followed.
- Configurations are maintained out of code.
- Prepare a deck to showcase your work.

Recommended way of working..

Day 1	Finalize Approach	4 hrs
Day 1,2	Development/Coding	16 hrs
Day 3	Review with mentor	4 hrs
Day 3, 4	Finalize solution	12 hrs
Day 5	Deck	2 hrs
Day 5	Final Presentation	2 hrs

Case Study (To be done in batch of max 3 people)

Case Study 1: Customer wants to have a contact us form (subject, email, message) in the storefront. It should be possible to have a selection of various subjects. The subjects should be configurable via the Business Manager. All details subject, email and message) should be captured in a custom object. Create a batch job which will read this data and sent an email to customer care containing subject and message. Depending on the subject the customer inquiry must be sent to different email addresses.

Case Study 2 : Customer asks to integrate some kind of “GEO location functionality based on the customer’s IP address’. Desired functionality is that the if ip address is from A country, then show the form in english language, if ip address is from country B, then show the form in any other language.

Case Study 3 : Customer wants to have multiple closed consumer groups with dedicated products and prices only visible to those customer groups in the storefront.

Case Study 4 : A client wants to offer engraving facility to customers. However engraving option is available for certain products only. As of now the website wants to offer engraving for free. But in future they want to charge a small fee for engraving.

1. Create an attribute at Product level to enable engraving for the specific product.
2. For engraving enabled products, show an “Add Engraving” button on PDP.
3. On click of the button, take user input for message. Add validation, allow plain text up to 50 characters.
4. Save the engraving message in the product line item and show it in the order in Business Manager against the product line items. Extend your solution so that you can charge the customer for engraving facility in future

Case Study 5 : A client wants to build a website for adult users only. The website has certain section of landing pages available to only those who are 18 years and above. Develop a site in which a particular landing page is visible to certain segment of customer only.

1. Add Date of Birth field on Registration form.
2. Add validation for user to be above 18 years to register. A user less than 18 years should not be able to register.
3. Save the Date of Birth in Profile custom attribute.
4. Display as non-editable field on My Account.
5. Show an error or redirect the user to another page if unregistered customer or a customer less than 18 year is trying to visit following category..
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Case Study 6 : A website wants to collect data related to beauty. They want to offer certain promotion based on this data.

1. Create four beauty profile attributes on Profile – skin tone, hair color, eye color, skin type.
2. User should be able to select from pre-defined list of these profile attributes. Save it during user registration. These are non-mandatory fields.
3. Create promotions targeting any two beauty concerns that the user has saved in their profile.
4. Promotion should be like “20% product discount on all products under category “Hair” if user has saved beauty profile against “hair color”.
5. Place an order using this promotion.

Case Study 7 : A client wants to show some marketing stuff on product detail page. There are 2 types of marketing stuff one is a simple banner on which user clicks and lands on respective content page. Second is related products. For example you are displaying shirts on product detail page and you will show pants in related product section.

1. Create a section on PDP page which will display a banner. On click of banner you will land onto a content page and display information related to banner.
2. Create another section on PDP page which will display ‘x’ number of product tiles in it. This ‘x’ amount should be configurable, and client can change the value on Business Manager.
3. If client make x value as 4 in Business Manager, 4 products will display in that section. On all product tiles add one add to cart button. On click of add to cart , product should be added in your cart.