

SuiteCommerce Advanced for Developers (Pre-Denali)

Course Description

Learn how to create unique and highly customized ecommerce web stores with NetSuite's SuiteCommerce platform. This course applies to the SuiteCommerce Advanced Pre-Denali releases.

Please Note: Those implementing a SuiteCommerce Advanced Denali or Mont-Blanc web store should take the "**SuiteCommerce Advanced for Developers (Denali-Mont Blanc)**" course.

During this in-depth five-day course, you walk through the implementation of a SuiteCommerce web store, focusing on extending Reference Checkout, Reference My Account and Reference ShopFlow, including custom SuiteScript Server Page (SSP) application development. SSP applications are built and extended in the back-end via SuiteScript Services, SuiteScript API, Commerce API, and SSP libraries. SSP applications are built and extended in the front-end using various open source JavaScript libraries that make up the reference implementation architecture.

Through a series of practical skill-building scenarios and hands-on exercises, you practice creating website extensions and customizations while following a variety of best practices, including approaches for extending the reference implementations.

Who Should Attend

- Software developers needing to create unique and highly customized websites using SuiteCommerce Advanced Pre-Denali.

Prerequisites

- Course participants must have a significant programming background.
- JavaScript is used in the customization of web stores, both on the client (browser) and server. It is recommended that you have some exposure to JavaScript, including syntax relevant to objects and anonymous functions.
- Exposure to the browser DOM and browser event model is helpful, including use of CSS selectors.
- Experience with JavaScript libraries such as Backbone, Underscore, and jQuery is a plus.

Hardware/Software Requirements

- Windows, Mac, or Linux device
- Chrome or Firefox browser recommended
- SuiteCloud IDE
- Installation of an additional Html/JavaScript editor beyond the SuiteCloud IDE. Some options are Sublime Text 2, Komodo Edit, and Notepad++

Key Tasks

How do I:

- Extend Reference Checkout, Reference My Account and Reference ShopFlow?
- Build SuiteScript Server Page (SSP) applications?
- Interact with the Commerce API and Item Search API?
- Build new modular components that run seamlessly inside of an existing reference implementation?
- Set up faceted navigation?
- Make use of the Content Delivery and Product Merchandising services?
- Implement changes to web store code in a manner that supports maintainability, performance and developer productivity?

Day 1 Agenda

Summarize Web Store Technologies: Define the NetSuite record structure; define the SuiteCloud platform technologies.

Build SSP Applications using SuiteScript API: Build a SuiteScript Server Page (SSP); incorporate the SuiteScript API into an SSP; debug and troubleshoot an SSP; define SSP application precedence.

Build SSP Applications using Commerce API: Incorporate the Commerce API into an SSP; use SSP libraries in your SSP application, configure your SSP for custom field support.

Day 2 Agenda

Incorporate SuiteScript Services into SSP: Gain an understanding of when to use a SuiteScript Service (SS); build and test SuiteScript Services; add support to SuiteScript Services for http GET, POST, PUT, and DELETE methods; organize service code inside SSP libraries; identify when you might need to incorporate Suitelets into your SSP application.

Introduce SuiteCommerce Products: Compare SuiteCommerce products; define architecture of SuiteCommerce Reference Implementations; set up a SuiteCommerce Advanced or SuiteCommerce SiteBuilder web store.

Investigate Reference Implementations: Gain an understanding of server-side and client-side reference implementation architecture; modify Reference Checkout; inspect the SuiteCommerce global JavaScript variable, identifying relevant areas of data; change a front-end JavaScript file; change a front-end template file; effectively debug JavaScript and template files.

Day 3 Agenda

Build Back-end of New Module: Create a new back-end model for a reference implementation; create a new SuiteScript Service for a reference implementation; update a reference implementation to incorporate new record types; enable the back-end portion of a new module to operate inside of My Account.

Build Front-end of New Module: Update My Account application start up JavaScript to reflect new data from back-end; declare new module to a reference implementation; add module components to support Backbone Collection, Model, Router, and View; add templates and macros to support Backbone Views; configure back-end service layer to support form submittal.

Day 4 Agenda

Inspect Item Records: Define the NetSuite record structure as related to item records; view item records.

Interact with the Item Search API: Call the Item Search API using a set of URL parameters; identify how Item Search API URL parameters affect the http response; define field sets; define search fields, facet fields, and sort fields; differentiate between the Commerce API and Item Search API.

Investigate Reference ShopFlow: Identify similarities and differences with the SC global across ShopFlow, My Account, and Checkout; identify similarities and differences in application start-up across ShopFlow, My Account, and Checkout; change Configuration.js to affect the shopping interface; identify the relationship between the shopping user interface and the Item Search API; identify the architecture surrounding product reviews.

Set up Items: Set up matrix items; set up item options; configure how item options display on the product

details page; understand how the configuration of item pricing affects Item Search API results.

Day 5 Agenda

Set up Product Images: Configure multiple images for an item record; filter image display based on item options; resize images using back-end capabilities.

Configure Facets: Configure display characteristics of facets; build a custom facet; customize the display of facets through macro customization; remove facets from the faceted navigation display.

Incorporate Content Delivery Service: Create enhanced pages, create landing pages, configure target locations and URLs for where and when content is displayed; separate content based on application, language, device type, or other characteristics; identify caching in the Content Delivery Service.

Additional Content

Content in this section may not be covered during a live class. However, the format of materials is the same as other topics in the agenda. Hands-on exercises are included with all content in the course, including topics in this section.

Modify Reference Checkout: Implement deeper customization to Reference Checkout by configuring the layout of checkout steps.

Alter Web Site Setup Record: Identify how settings on the Web Site Setup record can be evaluated in your code.

Extend Back-end Models: Modify a back-end model in such a way the impact of future upgrades are lessened.

Engage Backbone Events: Identify use of Backbone.Events in front-end code, including how to identify pre-existing event triggers; extend a back-end model via server-side event triggers.

Engage Backbone Validation: Incorporate client-side and server-side validation via Backbone.Validation.

Customize without Precedence: Customize reference implementations using an alternative technique to precedence.

Translate Languages: Translate labels inside of templates, macros, views, models, and other front-end JavaScript files; translate item data.

Design Your Web Store: Identify usage of Bootstrap in SuiteCommerce web stores; gain an understanding of LESS; identify the process of modifying site styles.

Analyze Caching: Identify caching in SuiteCommerce web stores; investigate use of content delivery networks in SuiteCommerce Advanced web stores; inspect use of Backbone caching in reference implementations; customize SuiteCommerce web stores with caching taken into consideration.

Incorporate Product Merchandising Service: Create standalone merchandising zones; create merchandising zones embedded in content delivery enhanced pages.

Inspect SEO Page Generation: Identify how Reference ShopFlow optimizes SEO page rankings.

Related Courses

- SuiteScript: Extend NetSuite with JavaScript
 - Some SuiteScript is covered in SuiteCommerce Advanced for Developers (Pre-Denali), but the SuiteScript course goes deeper into various SuiteScript topics with specific focus on automation inside of NetSuite.

SuiteAnswers

Get answers to your support and training related questions:

- Go to Training Videos to find Getting Started tutorials.
- Take New Feature Training to learn about the latest NetSuite release.

Live Training Webinars

Participate in free Webinars to get practical tips and tricks for using NetSuite better:

- Go to suitetraining.com > Training Webinars to view the schedule and register for an event.

NetSuite reserves the right to adjust the stated course content to reflect changes to the NetSuite application and to meet the expressed needs of course attendees.

Features and functions covered in this course might not reflect those in your purchased NetSuite account.