SUITESCRIPT 2.0: EXTEND NETSUITE WITH JAVASCRIPT

Course Description

SuiteScript is a JavaScript-based API that gives developers the ability to extend NetSuite beyond the capabilities provided through SuiteBuilder point-and-click customization. With the power of SuiteScript, developers can create flexible business logic within NetSuite to tailor functionality and application behavior to specific business needs—from sophisticated business processes to entirely new applications.

During this five-day course, you will learn how to create and deploy different script types to satisfy a variety of business requirements. Through best practice discussions and real-life use cases, you will gain hands-on experience building an array of scripts. You will also learn how to use NetSuite's Script Debugger to quickly diagnose and correct problems within your scripts. By the end of this training, you will be able to take full advantage of the SuiteScript 2.0 syntax to create custom functionality, increase user productivity and improve the performance of your NetSuite application.

Key Tasks

How do I:

- IDevelop scripts using the SuiteScript 2.0 API?

- Automate my processes such as defaulting values, validating fields and executing scripts on a schedule?

- Speed up my client scripts by executing asynchronous calls to the server?

- Effectively process large amounts of data using distributed processing and without worrying about script governance?

- Extend the power of workflows (SuiteFlow) through workflow action scripts?

- Design a custom NetSuite page for a specific purpose on my project?

- Determine the most appropriate integration option for my needs?

- Create scripts using the "Built for NetSuite" development best practices?

Who Should Attend
Developers who need to customize and automate the NetSuite application.

Please Note: *Those creating new SuiteScripts should take the **"SuiteScript 2.0: Extend NetSuite with JavaScript"** course. SuiteScript 2.0 is the recommended API version for new SuiteScript development.* **"SuiteScript 1.0: Extend NetSuite with JavaScript"** *is the appropriate course if you are needing to learn how to maintain existing 1.0 SuiteScripts. If you are unsure of the SuiteScripts your organization has built, log into your NetSuite account as an Administrator and navigate to Customization > Scripting > Scripts. Expand the FILTERS section to filter your scripts by API VERSION.*

Prerequisites
Experience with JavaScript is highly recommended, but not required. However, course participants should have:

- Software development experience in any programming language.
- Knowledge of object oriented programming concepts.
- Familiarity with NetSuite navigation and features. To learn how to navigate NetSuite and perform common tasks, take the Getting Started training available on SuiteAnswers.

Course Objectives
- Program using SuiteScript 2.0.
- Automate actions on forms and records.
- Process big data.
- Enhance a workflow through scriptings.

Related Courses
Take these courses for more training:
- SuiteFlow: Workflows for Developers
- SuiteTalk: Integrate Your Applications

- Create custom NetSuite pages.
- Identify integration options.
- Acquire best practices in SuiteScript development.

Day 1 Agenda

Introduction to SuiteScript: Introduction to SuiteCloud Platform tools; define SuiteScript; examine the NetSuite data architecture; identify SuiteScript script types; locate additional help.

Developing SuiteScripts: Set up the SuiteCloud IDE; describe the SuiteScript 2.0 architecture; create your first SuiteScript.

Using SuiteScript Objects: Create custom fields; examine the context object; extract field values using the Record object; debug SuiteScripts.

Day 2 Agenda

Understanding Entry Points: Define SuiteScript entry points; create client-side scripts; debug client-side SuiteScripts.

SuiteScript Modules: Define SuiteScript API modules; add and use module dependencies on SuiteScripts; use the Record (N/record) module to load and create records; examine the relationship between

record creation in script and the NetSuite UI; speed up server calls from the client using promises.

Scripting Sublists: Script standard sublists from the client and server; create a sublist from a custom record; script custom child record sublists.

Day 3 Agenda

Searching in NetSuite: Examine the NetSuite search architecture; create a search in the NetSuite UI; execute a saved search from script; compose a search from script.

Bulk Processing (Part 1): Determine how scripts are scheduled; create and deploy scheduled scripts; execute scheduled scripts immediately.

Bulk Processing (Part 2): Create map/reduce scripts; describe how distributed processing works; recognize when to use scheduled scripts and map/reduce.

Day 4 Agenda

Script Parameters: Define script parameters; identify the different types of parameters; recognize when to use which parameter type.

Workflow Action Scripts: Describe SuiteFlow; configure a simple workflow; create a workflow action script; extend a workflow through custom actions.

Day 5 Agenda

Custom NetSuite Pages: Describe Suitelets; create custom NetSuite UI pages; process URL parameters; redirect to different NetSuite pages.

Web Services: Explain the differences between SuiteTalk, RESTlets and Suitelets; request a RESTlet from a client-side script.

Important Considerations: Describe the recommended development process; handle SuiteScript error objects; develop with governance in mind, optimize code with Application Performance Management (APM); package customizations using SuiteBundler.

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.