Week 7

SuiteQL and Scripted Functions

Week 6 Overview

You will learn:

- 1. SuiteQL
 - a. Usage and purpose
 - b. Executing SuiteQL in SuiteScript
 - c. Hands on exercise
- 2. Scripted Functions
 - a. Usage
 - b. Hands on exercise

Introduction to SuiteQL

What is SuiteQL?

- SuiteQL is NetSuite's implementation of SQL.
- Allows for complex data retrieval using SQL-like syntax

Using SuiteQL vs running searches in SuiteScript

SuiteQL

- SQL-Like Queries
- Performance
- Structured Data
- Cross-Record Joins
- Advanced Filtering

Saved Searches

- Ease of Use
- Simple Queries
- UI-based customization and flexibility for non-developers

Examples of Suitelete use cases

- Custom Data Entry Form
 - Enter data, press submit, create associated record(s) in NetSuite

- Generate / Print PDF Forms Using Custom Data
 - Add buttons to transactions that call a suitelet to render custom PDF forms with extra data not natively available

- Custom Approval Workflow Page
 - Create a custom page with business specific approval logic

Necessary Module

N/query

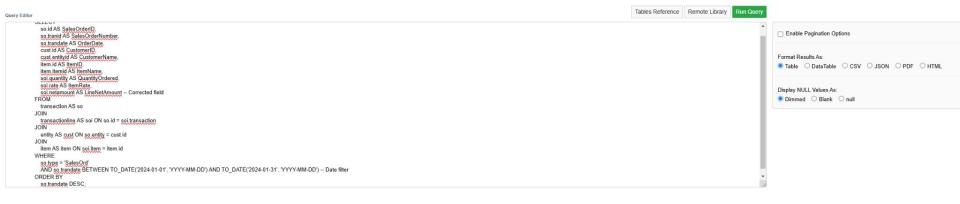
- Use multilevel joins to create queries using field data from multiple record types
- Sort query results based on multiple columns
- Load and delete queries using SuiteAnalytics Workbook interface

Viewing + Testing SuiteQL through NetSuite UI

- <u>Tim Dietrich SuiteQL Query Tool</u>
 - Download Link

The SuiteQL Query Tool

SuiteQL Query Tool



Results Retrieved 1 rows in 54ms.									
salesorderid	salesordernumber	orderdate	customerid	customername	itemid	itemname	quantityordered	itemrate	linenetamount
17076	SLS00000654	1/10/2024	1848	DevTest	501	ACC00002	-1	100	-100

Hands-on exercise

- Create a Suitelet that displays the results from a SuiteQL Query

Modules used:

- N/query
- N/log

Tips:

 Use the SuiteQL Query Tool to test and validate your SuiteQL queries before running the code!

Link To Sample

- Github Link

Additional Resources

- 1. SuiteQL Tips & Tricks
- 2. Official N/query documentation

Scripted Functions

This is just an introduction to libraries / re-using functions which we will look at during week 8.

What Are Scripted Functions?

- Code Reusability: Write functions once and use them across multiple scripts.
- Improved Maintainability: Update logic in one place rather than modifying multiple scripts.
- Better Organization: Keep business logic separate from script execution.
- Performance Optimization: Reduce redundant code execution.

Examples of using Scripted Functions

- You can add helper functions to the file cabinet in NetSuite and reference those functions in other scripts.

- This is useful when you have code you can see yourself reusing a lot in the future.

 Examples: Logging errors in a specific format, handling rounding, etc..

Using Scripted Functions

- Example of creating Scripted Functions to use as a library in NetSuite
 - Helper Functions Library
- Using the Scripted Function library in a script!
 - Using the Helper Functions Library