

## ServiceNow Scripting in ServiceNow Fundamentals

Duration: 3 Days Course Code: SNSSF

### Overview:

Attend Scripting in ServiceNow Fundamentals to learn how to use the ServiceNow JavaScript API. Take advantage of the extensibility of ServiceNow by adding new functionality or modifying the baseline behavior of an instance. This class begins with client-side scripting and transitions to server-side scripting. Attendees write, test and debug scripts using real-world, relevant lab exercises. The class features lecture and discussion as well as extensive hands-on practice and reinforcement of the lectures, delivered in a wide variety of lab activities. During this interactive training course, attendees perform scripting functions in their own class instance. This provides an opportunity to practice and become comfortable with both client-side and server-side scripting.

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

### Target Audience:

ServiceNow System Administrators, with a minimum of three to six months experience configuring and developing the platform, who wish to extend the functionality of their instance.

### Objectives:

- Determine when and where it is appropriate to script
- Use ServiceNow's built-in text editor
- Script client-side with o Client Scripts
- - UI Policies
- - Catalog Client Scripts & Catalog UI Policies
- Script server-side with o Business Rules
- GlideSystem
- GlideRecord
- Script Includes
- UI Actions
- -Flow Designer
- Use ServiceNow's scripting best practices

### Prerequisites:

It is recommended that attendees have

- Intermediate-level ability to write, test and debug JavaScript
- Familiarity with database tables and columns
- SNF - ServiceNow Fundamentals

## Content:

### Day 1

#### Module 1: Scripting Overview

- Lab 1.1: Using the Syntax Editor
- Lab 1.2: Syntax Checking
- Lab 1.3: Explore Scripting Resources

#### Module 2: Client Scripts

- Lab 2.1: Two Simple Client Scripts
- Lab 2.2: g\_form and g\_user
- Lab 2.3: Debugging Client Scripts

#### Module 3: UI Policies

- Lab 3.1: Incident State Resolve/Closed

#### Module 4: Catalog Client Scripts ; Catalog UI Policies

- Lab 4.1: Control Variable Choices Catalog Client Script
- Lab 4.2: Control Out of State Shipping Catalog UI Policy

### Day 2

#### Module 5: Business Rules

- Lab 5.1: Debugging Business Rules
- Lab 5.2: Current and Previous
- Lab 5.3: Display Business Rules and Dot-walking

#### Module 6: GlideSystem

- Lab 6.1: Setting the CAB Date
- Lab 6.2: Re-open Problem Date Validation

#### Module 7: GlideRecord

- Lab 7.1: Two GlideRecord Queries
- Lab 7.2: RCA Attached: Problem and Child Incidents
- Lab 7.3: addEncodedQuery()
- Lab 7.4 Explore GlideQuery

#### Module 8: Script Includes

- Lab 8.1: Classless Script Include (logPropertyValues)
- Lab 8.1A: Classless Script Include (hasRoleExactly)

### Day 3

#### Module 8: Script Includes (continued)

- Lab 8.2: Create a New Class
- Lab 8.3: HelloWorld GlideAjax
- Lab 8.4: Number of Group Members
- Lab 8.5: JSON Object

#### Module 9: UI Actions

- Lab 9.1: Client-Side UI Actions
- Lab 9.2: Server-Side UI Actions
- Lab 9.3: Client and Server-Side UI Actions

#### Module 11: Scripting with Flow Designer

- Lab 10.1: Build a Flow
  - Lab 10.2: Trigger a Subflow
- Lab 10.2: Add a Script to a Flow

## Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

[training@globalknowledge.qa](mailto:training@globalknowledge.qa)

[www.globalknowledge.com/en-qa/](http://www.globalknowledge.com/en-qa/)

Global Knowledge, Qatar Financial Center, Burj Doha, Level 21, P.O.Box 27110, West Bay, Doha, Qatar