SERVICENOW CLOUD PROVISIONING AND GOVERNANCE ADVANCED

Course Code: 821268

Learn how to customize and extend the ServiceNow Cloud Provisioning and Governance Platform with Cloud Provisioning and Governance Advanced.

Cloud Provisioning and Governance Advanced is an on demand course for students who have taken the Cloud Provisioning and Governance Fundamentals course and need to know how to customize and extend the ServiceNow Cloud Provisioning and Governance (CPG) Platform to meet the operational needs of the enterprise.

This course provides recorded lectures. Due to the complexity of this course, no labs are offered for this on demand version of the course. To gain a deeper, more complete understanding of CPG, students of this course should thoroughly read the accompanying participant guide and follow all lab exercises.

What You'll Learn

Students gain knowledge of the following Cloud Provisioning and Governance Advanced topics:

- Advanced UI design
- Create multi-tab requests
- Build dynamic request forms
- Custom Resource Pools and Filters
- Essential Runtime Expressions
- Advanced Policies
- Extend CPG with templates and Cloud API
- Add functionality for Cloud Services not included in the baseline platform
- Create Resources Blocks
- Create Day-2 operations
- Invoke cloud operations with Workflows and Integration Hub Subflows
- Test and Troubleshoot extensions
- Integration and Software Deployment, with Continuous Deployment Tools (Ansible)
- Taking both Cloud Provisioning and Governance Fundamentals and Advanced courses will equip students with the necessary knowledge when attempting the CIS-Cloud Provisioning and Governance certification.

Note: Knowledge checks are included to allow students to check their understanding of the information from the module. Performance in knowledge check is not an indicator of preparedness for taking the certification exam.

Who Needs to Attend

This course is designed for ServiceNow System Administrators, Dev Ops Engineers, Cloud Engineers, Cloud Architects and consultants who implement and configure ServiceNow CPG.

Prerequisites

It is recommended that students taking the course have knowledge and experience of ServiceNow Cloud Management v2, the ServiceNow CMDB, Azure and AWS REST API's, CloudFormation Templates, Azure ARM templates, JavaScript, and JSON. It is also recommended that students taking the course should have a strong understanding of architecting solutions within the AWS and/or Azure Clouds.

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On-Demand Outline

Module 1: Catalog Item Customization

- Catalog Item Customization Overview
- Form UI Overview
- Static Form Customization
- Field Validation
- Dynamic Form Customization
- Cloud Catalog Item Customization Knowledge Check

Module 2: Custom Resource Pools and Filters

- Introduction to Resource Pools and Filters
- Resource Pool Overview
- Query Filters
- Scripted Filters
- Custom Resource Pools and Filters Knowledge Check

Module 3: Advanced Policies

- Introduction to Advanced Policies
- Policies Overview
- Property Overrides
- Approval Management
- Policy Script
- Advanced Policies Knowledge Check

Module 4: Expressions

- Expressions
- Expressions Knowledge Check

Module 5: Extend Cloud Provisioning and Governance

- Extend Cloud Provisioning and Governance
- Using the CMDB
- Populating a New CI Class
- Extend CPG Knowledge Check

Module 6: Day-2 Operations - CAPI

- Day-2 Operations - CAPI Overview
- REST API
- Introduction to CAPI
- CAPI Provider
- CAPI Interface
- CAPI API
- Resource Block
- Response Processor
- Testing and Troubleshooting
- Day-2 Operations - CAPI Knowledge Check

Module 7: Day-2 Operations - Workflow and Integration Hub

- Day-2 Operations with Workflow and Integration Hub Overview
- Day-2 Operations with Workflow
- Day-2 Operations with Integration Hub
- Day-2 Operations - Workflow and Integration Hub Knowledge Check

Module 8: Software Deployment

- Software Deployment Overview
- Cloud Script and Cloud Script Template
- Configuration Management Overview
- Configure Ansible Tower as a Configuration Management Provider
- Create an Application Profile and Mapping
- Create Post Provision Operations for Software Deployment
- Modify a Resource Block to Accept Input Data
- Modify Catalog Item to Pass Data to the Resource Block Operation
- Software Deployment Knowledge Check
- Certified Implementation Specialist – Cloud Provisioning and Governance Voucher Info

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.