

# SERVICENOW CLOUD PROVISIONING AND GOVERNANCE FUNDAMENTALS

Course Code: 821267

Learn how to remove the complexity of multi cloud use.

Cloud Provisioning and Governance Fundamentals (CPGF) is designed to help students understand how to use and configure the Cloud Provisioning and Governance (CPG) application for a multi-cloud environment. Upon completion of the course, students will have gained experience in how to set up their Cloud User Portal, how to deploy VMs using cloud native templates and Terraform, and how to control cloud sprawl by using Cloud Management approval policies and capacity limits.

In this interactive course attendees will master the setup, configuration, and usage of the Cloud Provisioning and Governance application, with a focus on:

- Cloud User Portal overview
- Cloud Admin Portal overview
- Setting up and configuring AWS, Azure and VMware with CPG
- Overview of Resource Profiles
- Identity and Permissions
- Troubleshooting CPG
- Templates Overview and their use in CPG
- Understanding Policy

## What You'll Learn

Students will,

- Learn how to use the Cloud User Portal
- Set up and configure AWS, Azure and VMware with CPG using the Cloud Admin Portal
- Overview of Resource Profiles
- Identity and Permissions
- Troubleshoot CPG
- Templates Overview and their use in CPG
- Understand Policy

## Who Needs to Attend

Anyone responsible for Cloud Provisioning and Governance in ServiceNow.



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ON-DEMAND

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## On-Demand Outline

### Module 1: Introduction and the Cloud User Portal

- Overview of Cloud Models
- Cloud User Portal Overview
- Understand CPG Roles
- Simulator - Before you Begin
- Simulator - Explore Roles
- Definitions and Concepts
- Knowledge Check

### Module 2: Administration and the Cloud Admin Portal

- Cloud Admin Portal Overview
- MID Server Architecture
- Simulator: Validate MID Server
- Knowledge Check

### Module 3: AWS

- Overview of the AWS Cloud and Credentials
- Service and Cloud Accounts
- Simulator: Explore AWS Credentials
- Simulator: AWS Service Account Setup
- Simulator: AWS Cloud Account Setup
- Import Cloud Formation Templates
- Configure AWS Cloud Events
- Simulator: Create a Cloud Catalog Item
- Demo: Launch AWS CFT Ubuntu w Apache Stack
- Knowledge Check

### Module 4: Resource Profiles

- Overview of Resource Profiles
- Simulator: Create a Schedule Profile
- Knowledge Check

### **Module 5: Identity and Permissions**

- Understand the Identity Elements Used by CPG
- Knowledge Check

### **Module 6: Troubleshooting**

- Troubleshooting
- Knowledge Check

### **Module 7: Templates and Cloud Catalog Items**

- Overview of Templates - AWS CFT and Azure ARM
- Ingest and Publish Templates
- Update and Version Templates
- CFT and ARM Metadata
- Manage Catalog Item Attributes
- Improve the Presentation of Cloud Catalog Items
- Simulator: Version a CFT
- Simulator: Customize a CFT with Metadata
- Knowledge Check

### **Module 8: Terraform**

- Overview of Terraform and Configuration Files
- Configure CPG for Terraform Open Source
- Simulator: Configure and Discover Cloud Provider
- Simulator: Create Catalog Item and Activate Template
- Configure CPG for Terraform Enterprise and Terraform Cloud
- Change Governance using IaC
- Knowledge Check

### **Module 9: Policy**

- Understand Policy
- Simulator: Policy Naming Enforcement
- Knowledge Check

### **Module 10: Azure**

- Overview of the Azure Cloud
- Credentials and Connecting to Azure
- Demo - Configure Azure Credentials
- Configure Service and Cloud Accounts
- Demo - Configure Azure Cloud Service Account
- Demo - Configure an Azure Discovery Schedule
- Configure Cloud Events
- Demo - Configure Azure Cloud Events
- Provision a Stack for Azure and Explore ARM Templates
- Demo - Create a stack using and ARM template

- Provision with Terraform
- Demo - Deploy an Azure VM with Terraform
- Knowledge Check

#### **Module 11: VMware**

- VMware Overview
- VMware Setup
- Demo - Connect VMware to ServiceNow
- Configure Cloud Events
- Demo - Configure the vCenter event collector
- Provision with Terraform
- Demo - Deploy a VMware VM with Terraform
- Knowledge Check

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