

Custom Workshop:

Manulife – Mastering Infrastructure as Code with Ansible

Day 1: Ansible Best Practices and Infrastructure as Code

Ansible Automation Platform Architecture and Infrastructure as Code

Managing Files in Git with Visual Studio Code

Guided Exercise: Managing Files in Git with Visual Studio Code

Ansible Linting in Visual Studio Code

Workshop: Ansible Linting in Visual Studio Code

Preparing Automation Controller to Manage Hosts

Guided Exercise: Preparing Automation Controller to Manage Hosts

Writing Playbooks

Guided Exercise: Writing Playbooks

Running Playbooks with Automation Controller

Guided Exercise: Running Playbooks with Automation Controller

Ansible Fundamentals Review

Workshop: Ansible Fundamentals Review

Implementing Recommended Ansible Practices

Guided Exercise: Implementing Recommended Ansible Practices

Day 2: Roles, Collections, and ITSM Automation

Creating Roles

Guided Exercise: Creating Roles

Deploying Roles from External Content Sources

Guided Exercise: Deploying Roles from External Content Sources

Getting Roles and Modules from Ansible Content Collections

Guided Exercise: Getting Roles and Modules from Ansible Content Collections

Creating Ansible Content Collections

Guided Exercise: Creating Ansible Content Collections

Getting Started with ServiceNow Automation

Workshop: Automate Incident Creation

Workshop: Create a Problem to Associate with an Incident

Workshop: Root cause, fix and close - Link change request records

Workshop: Query and Update ServiceNow CMDB

Workshop: Query and Update Records

Workshop: Use ServiceNow as an Inventory Source

Day 3: Event-Driven Ansible, Self Healing Infrastructure, and Security Automation

Introduction to Event-Driven Ansible

Creating and Testing Ansible Rulebooks

Guided Exercise: Acting on Webhook Events

Guided Exercise: Acting on System Journal Events

Configuring Event-Driven Ansible Controller to Run Ansible Rulebooks

Guided Exercise: Configuring EDA Controller to Run Ansible Rulebooks

Event-Driven Ansible and NetOps

Guided Exercise: Event-Driven Ansible and NetOps

Configuring Ansible for Security Automation

Guided Exercise: Configuring Ansible for Security Automation

Installing OpenSCAP

Guided Exercise: Installing OpenSCAP

Day 4: Security Automation, CI/CD Pipelines, and Cloud Automation

Scanning and Analyzing Compliance

Guided Exercise: Scanning and Analyzing Compliance

Customizing OpenSCAP Policy

Guided Exercise: Customizing OpenSCAP Policy

Remediating OpenSCAP Issues with Ansible

Guided Exercise: Remediating OpenSCAP Issues with Ansible

Compliance Remediation with Ansible Lockdown

Workshop: Compliance Remediation with Ansible Lockdown

Integrating Ansible with GitHub for CI/CD Pipelines

Workshop: Integrating Ansible with GitHub for CI/CD Pipelines

Using Ansible Collections for Cloud Automation (AWS, Azure)

Workshop: Managing IAM with Ansible (AWS)