

## DevOps on IBM i: Learn Ansible

**Duration: 2 Days**    **Course Code: AS45G**    **Delivery Method: Virtual Learning**

### Overview:

This course will get you the skills you need to run and manage an IBM i related cloud and DevOps environment. You will be introduced to the world of DevOps, Ansible, IBM PowerVC, Terraform, IBM Cloud Automation Manager and CI/CD concepts as they relate to IBM i. Learning these concepts will be easy with hands-on access to our lab environment. Completion of this course will get you an IBM badge!

### 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:

Enrollment in this course is not restricted.

### Objectives:

- Summarize DevOps concepts as it applies to IBM i
- Summarize Ansible planning and implementation concepts
- Demonstrate an understanding of automation with Ansible Playbooks for IBM i
- Integrate IBM PowerVC with Ansible in an IBM i environment
- Summarize CI/CD concepts using Ansible on IBM i
- Learn about using IBM Power Virtual Server (IBM PowerVS) with IBM i
- Learn about Terraform with IBM i
- Learn about IBM Cloud Automation Manager for a few hybrid cloud scenarios

### Content:

#### Day 1:

- Course Administration and Introduction (00:30)
- Unit 1: DevOps and Cloud Overview (01:30)
- Unit 2: Ansible Overview and Administration (01:30)
- Unit 3: Ansible Configuration and Playbooks (00:30)
- Exercise 1: Verification of Prerequisites (01:00)
- Exercise 2: IBM i Ansible Managed Node Setup (01:00)
- Exercise 3: Ansible Controller on IBM i (01:00)

#### Day 2:

- Unit 4: Automate IBM PowerVC using Ansible on IBM i (01:00)
- Unit 5: IBM PowerVS Concepts on IBM i (01:00)
- Unit 6: IBM PowerVC integration with Terraform on IBM i (01:00)
- Unit 7: Manage IBM i in a Hybrid Cloud Environment with IBM Cloud Automation Manager (CAM) (00:45)
- Exercise 4: Run Ansible Playbooks from IBM i (01:00)
- Exercise 5: Automating IBM i with Ansible and IBM PowerVC (01:00)
- Exercise 6: IBM i Use Cases with Ansible (01:00)

## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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