

**Module Title : Pivotal Cloud Foundry Operator**

**Duration : 4 days**

## OVERVIEW

This course provides administrators and operators with the theoretical understanding and hands-on experience needed to manage a Pivotal Cloud Foundry Installation. The course begins with an introduction to how Pivotal Cloud Foundry is transforming the way software is built and deployed. Students will then focus on “Day 1 Operations” – including installing Ops Manager and the Pivotal Application Service, configuring users, roles, and quotas, and setting up the platform for logging and monitoring. From there, the course explores “Day 2 Operations”-backing up and restoring an installation, automation, and upgrading Ops Manager and tiles. Upon completion of this course, participants will have the skills necessary to go from setup through maintenance of their organization’s cloud platform.

## PIVOTAL TRAINING APPROACH

At the end of the training, students will be able to:

- Understand the Pivotal Application Service architecture and how it impacts developers
- Install, backup, restore, and upgrade a Pivotal Cloud Foundry installation
- Create users and assign roles
- Manage org and space quotas
- Monitor Pivotal Cloud Foundry
- Use automation techniques to explore, troubleshoot and deploy releases

## PREREQUISITES

Access to a Linux environment or install Windows subsystem for Linux. Experience using the Linux command line interface. Permission to install software. Access to Google Cloud via browser and command line. Completion of a Cloud Foundry developer course is preferred, but not required.

## TARGET AUDIENCE

Administrators responsible for the installation, configuration and management of a Pivotal Cloud Foundry installation.

## COURSE MODULES

### INTRODUCTION

- Approach and Methodology

- Requirements

#### PLATFORM AS A PRODUCT

- Deploy an App
- Orgs, Spaces, Roles, and Quotas
- Deploying a distributed system

#### INSTALLING PIVOTAL CLOUD FOUNDRY

- Deploy Ops Manager
- Configure the BOSH Director
- Installing Pivotal Application Service with Ops Manager
- Installing Healthwatch and MySQL
- Monitoring

#### OPERATIONS

- Deployment Topologies
- Backing up Pivotal Cloud Foundry
- Restoring Pivotal Cloud Foundry
- Upgrading Ops Manager
- Upgrading Pivotal Application Service