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## UCS Director Implementation Fundamentals

**Duration: 3 Days**    **Course Code: UCSDF**    **Version: 6.6**

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### Overview:

A hands-on course that helps you understand the concepts, architecture and deployment use cases for Cisco UCS Director. You will learn how to implement basic Cisco UCS Director solutions with specific focus on the core features that most Cisco UCS Director implementations require. Services Design, using the self-service portal for provisioning services, creating workflows that enable cloud automation and standardise IT services are a just a few of the features incorporated. You should at the end of this course be able to build effective business processes around infrastructure automation and orchestration.

**This course is worth 30 Credits in the Continuing Education Program**

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### Target Audience:

UCS System Engineers involved in the deployment and management of data center solutions utilising Cisco UCS Director

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### Objectives:

- **After completing this course you should be able to:**
  - Understand Cisco UCS Director architecture
  - Understand deployment models of Cisco UCS Director
  - Configure virtual data centers, policies, and catalogs
  - Understand the unified infrastructure management capabilities of Cisco UCS Director
  - Understand orchestration and build advanced workflows
  - Understand application containers
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### Prerequisites:

**Attendees should meet the following prerequisites:**

- General knowledge of cloud and datacenter virtualization
- Knowledge of Cisco UCS, NetApp Storage, Nexus, and VMware vCenter - **DCUCI**, **DCII** and **VSICM** recommended.
- Knowledge of datacenter processes and best practices
- VSICM - VMware vSphere: Install, Configure, Manage

### Testing and Certification

**Recommended as preparation for exams:**

- This course is currently not aligned to any exam
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## Content:

### Introducing Cisco UCS Director

- Understanding Data Center Challenges
- Understanding the Benefits of Cisco UCS Director

### Understanding Cisco UCS Director Components

- Explaining Cisco UCS Director Architecture
- Explaining Bare-Metal Agent

### Understanding Cisco UCS Director Deployment

- Explaining Cisco UCS Director Deployment
- Explaining Global System Settings
- Understanding Site and Pod Management

### Understanding Cisco UCS Director Infrastructure Management

- Understanding Cisco UCS Director Deployment

### Understanding the Design Phase

- Understanding Policies
- Understanding vDC and Groups Use Case

### Understanding Deployment through Self-Service Portal

- Understanding Self-Service Provisioning Portal
- Understanding Service Requests

### Introducing Orchestration

- Understanding Orchestration

### Reporting and Monitoring in Cisco UCS Director

- Understanding Chargeback in Cisco UCS Director
- Understanding Reports in Cisco UCS Director

### Introducing Application Containers

- Understanding Application Containers

### Labs

- Lab 1: Configure Cisco UCS Director
- Lab 2: Cisco UCS Director Discovery
- Lab 3: Cisco UCS Director GUI Familiarization
- Lab 4: Service Design
- Lab 5: Catalogs
- Lab 6: Self-Service Portal
- Lab 7: Orchestration Workflow Design
- Lab 8: Advanced Workflow Design
- Lab 9: Create Application Container

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## 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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