

# E-Learning - Implementing Cisco HyperFlex

## Cisco - On Demand E-Learning

The Implementing Cisco HyperFlex (DCIHX) v1.3 course shows you how to deploy and use the Cisco HyperFlex data platform to support multicloud workloads.

You will become familiar with HyperFlex components and learn how to install, design, manage, and troubleshoot Cisco HyperFlex to support highly scalable and resilient multicloud implementations. You will also gain hands-on experience focused on installation, management, maintenance, and native replication, and you will explore cluster technologies as well as Cisco Intersight.

### Access Duration: 180 days

Continuing Education Credits: 24



### Purpose of the training

- Data center engineers
- Engineers (design, implementation, pre-sales, post-sales)
- Product managers and sales



### Benefits of completing the training

This class will help you use Cisco HyperFlex to

- Enable multicloud IT with an adaptive platform that powers any application anywhere with the simplicity of hyperconverged infrastructure

- Gain hands-on experience using Cisco HyperFlex



## Exam description

Certification

Associated Certification: None

Associated Exam: None



## Expected Listener Preparation

To fully benefit from this course, you should have the following knowledge:

- Cisco CCNA-level knowledge about data center architecture and products technologies (network, compute, storage network)
- Familiarity with VMware vCenter and ESXi
- Familiarity with public cloud offerings, primarily AWS, but also Azure and GCP

Recommended Cisco learning offerings that may help you meet these prerequisites:

- Understanding Cisco Data Center Foundations (DCFNDU)
- Implementing and Operating Cisco Data Center Core Technologies (DCCOR)
- Cisco CCNP Data Center specialization modules: DCID, DCIT, DCACI, DCMDS, DCACIA, DCAUI



## Training Language

Language: English

Materials: English



## Training Includes

- Labs
- Self-Paced Training
- Video Training

## Duration

1 days / 1 hours

## Training agenda

- Describe hyperconvergence, Cisco HyperFlex, and the components of Cisco HyperFlex
- Explain the Cisco Unified Computing System (Cisco UCS) and what makes it valuable to business
- Describe how Cisco HyperFlex Data Platform (HXDP) works
- Describe the physical components of Cisco HyperFlex
- Describe Cisco Intersight and introduce functionalities relevant to HyperFlex
- Install standard ESXi-based vSphere Cisco HyperFlex
- Manage your Cisco HyperFlex VMware ESXi-based cluster
- Describe how to maintain Cisco HyperFlex
- Design a Cisco HyperFlex solution
- Protect the data on your Cisco HyperFlex cluster using replication and data at rest encryption
- Describe a stretched cluster and how is it different from a standard cluster
- Describe an Edge cluster and how is it different from a standard cluster
- Perform basic troubleshooting tasks and explain Cisco Intersight