



Cisco CloudCenter™ QuickStart Implementation Service

Why Skyline Advanced Technology Services?

Skyline Advanced Technology Services (ATS) offers Professional Services for a variety of Cisco® centric solutions. From inception to realization, our senior staff of engineers are available for any size project or duration for the following services:

- Consulting Services
- Installation Services
- Network Design
- Staff Augmentation

For an in-depth discussion regarding your technical and staffing needs, our team is with you every step of the way.

Are you deploying a Cisco CloudCenter™ solution?

Contact your Skyline-ATS Account Manager today for more information on how we can help.

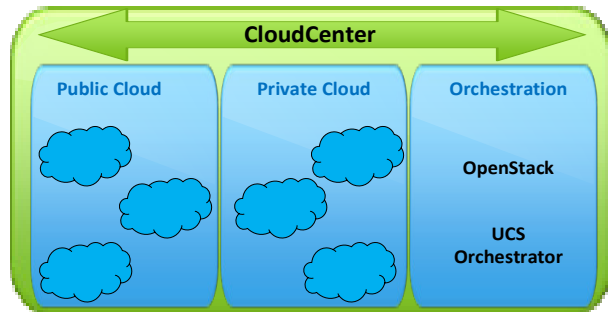
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Overview

Cisco CloudCenter™ enables IT Departments to rapidly and securely deploy and manage applications in a variety of environments including private and public clouds as well as multiple Data Centers.

CloudCenter Uses

- Automate application deployment on Cisco ACI™, Cisco HyperFlex™, and other cloud-based services.
- Centralize governance and security.
- Multi-tenant management of applications with flexible sharing options.
- Onboard applications.
- Optimize work streams.
- Provide users with self-service, on-demand deployment options.





Description

The CloudCenter QuickStart Implementation consists of multiple days spent on-site for a mentored installation. It is designed to assist Cisco® partners/customers with rapid deployment of CloudCenter for public or private cloud services. The engagement combines training in conjunction with initial design, review and preparation of the partner's/customer's existing infrastructure, installation, and deployment of an operational CloudCenter solution for a single tenant.

The intended audience is IT personnel who need deployment services and a well-defined knowledge transfer.

Overall Objectives

- Collaborate with key personnel to determine functionality goals.
- High-level discovery of existing private and public cloud requirements, servers, and applications.
- Interactive training, design, and implementation sessions.
- Implementation of CloudCenter consists of:
 - ◇ Launching
 - CloudCenter Manager™ (CCM) Appliance
 - CloudCenter Orchestrator™ (CCO) Appliance
 - Log Collector Appliance
 - RabbitMQ™ Appliance
 - ◇ Configuring
 - Applications
 - A cloud
 - CloudCenter
 - Tenants
 - Users
- Migration strategy and planning

Training Objectives

- Administering CloudCenter.
- Application modeling and deployment.
- Application management.
- Configuration of CloudCenter and its components.
- Discussing the architecture of CloudCenter.
- Managing using Amazon Web Services™ (AWS).
- Reporting and governance.

Implementation

The CloudCenter QuickStart involves establishing the requirements, deploying the CloudCenter, migrating applications, and integrating with private and public cloud environments.

Customer Responsibilities and Prerequisites

- Attend a High-Level Design (HLD) Workshop via Cisco Webex® pre-installation.
- Customer must provide adequate personnel resources to perform the implementation with Skyline-ATS providing interactive training and guidance.
- Customer will assist with all testing scenarios.
- Must already have existing private/public cloud infrastructure and the capacity for growth and expansion.
- Review Bill of Materials (BOM) and ensure that licensing and software is correct.
- Specifications of required resources shall be provided.

Disclaimer

- Custom application modeling and deployment are not part of this deployment.
- Deployment of partner/customer applications can be done via Professional Sservices.
- High availability environments.
- Integration with other public cloud platforms such as Google Cloud Platform™ services, or Microsoft Azure™.
- Multi-tenant configuration (a single tenant is included).



Core Component Implementation

Once a core component implementation option is selected, the partner/customer may add on additional public or private cloud options as desired. Available options for the core component implementation are:

- Amazon Web Services™ (AWS)
- VMware vCenter®

CloudCenter QuickStart Implementation Schedule

Core Component Implementation Day 1 - Morning

1. Identify partners/customers current and future cloud requirements.
2. White Board Session 1 - Benefits of CloudCenter and discussing CloudCenter use cases based on the partner/customer requirements.
3. White Board Session 2 – Discussing CloudCenter components, architecture, and high availability.

Core Component Implementation Day 1 - Afternoon

1. Hands on Session - Deploying CloudCenter and its components.
2. Deploy CloudCenter Manager.
3. Deploy CloudCenter log collector virtual appliance.
4. Deploy CloudCenter repository virtual appliance.
5. Deploy database server.
6. Deploy any cloud specific appliances/servers.
7. Modify virtual machine (VM) properties.

Core Component Implementation Day 2 - Morning

1. Whiteboard Session 3 – Discussing CloudCenter Components and their functions.
2. Hands on Session - Configuration.
3. Configure CloudCenter Manager.
4. Configure CloudCenter Log Collector Virtual Appliance.
5. Configure RabbitMQ.
6. Configure CloudCenter Orchestrator.
7. Configure or prepare any cloud specific services.
8. Verify the installation.
9. Configuring CloudCenter regions.

Core Component Implementation Day 2 - Afternoon

1. Whiteboard Session 4 – Administering CloudCenter: Discussing work flow, users, group and roles, usage & fees and creating deployment environment.
2. Hands on Session - Administration.
3. Configure Tenant Information.
4. Configure bundles, usage plans, and contracts.
5. Create deployment environments.
6. Configure activation profiles.
7. Configure CloudCenter users, groups, and roles.
8. Assign Contracts and usage plans to users.
9. Customize a deployment environment.

Core Component Implementation Day 3 - Morning

1. Whiteboard Session 5 – Modeling Applications.
2. Hands on Session - Application Modelling.
3. Modeling and deploying applications.
4. Add the repository to CloudCenter.
5. Model a simple sample one-tier application.
6. Model a multi-tier sample application.
7. Deploy a pre-defined sample WordPress® application.



Core Component Installation Day 3 - Afternoon

1. Whiteboard Session 6 – Discussion on governance and reporting.
2. Hand on Session - CloudCenter reporting and governance.
3. View CloudCenter reports.
4. View deployment details.
5. Monitor deployment virtual machines.
6. Create and use system tags.
7. Create and use CloudCenter policies.
8. Implement CloudCenter governance and policies.

Cloud Deployment Options

Choose any additional cloud integrations to add to the core component installation.

Amazon Web Services (AWS) Integration Option (Add 1 Day)

1. Whiteboard Session – Discussion on requirement for Integrating with AWS.
2. Hands on Session – Managing AWS clouds using CloudCenter.
3. Create AWS security groups for CloudCenter nodes.
4. Create AWS key pair for CloudCenter nodes.
5. Deploy AMQP Instance on AWS.
6. Deploy CCO Instance on AWS.
7. Configure CCM – CloudCenter Orchestrator Instance for CloudCenter Manager.
8. Configure CloudCenter Regions – Define clouds, cloud accounts, and redions.
9. Associate AWS to deployment environments.
10. Apply system tags to deployment environments.
11. Deploy a pre-defined sample WordPress application.

vCenter Integration Option (Add 1 Day)

1. Whiteboard Session - Discussion on requirements for integrating with vCenter.
2. Hands on Session – Managing VMWare vCenter Clouds using CloudCenter.
3. Deploy RabbitMQ virtual appliance.
4. Deploy CloudCenter Orchestrator (CCO) virtual appliance.
5. Configure CCM - CCO Instance for CloudCenter manager.
6. Configure CloudCenter Regions: Define clouds, cloud accounts, and regions.
7. Associate vCenter domain to deployment environments.
8. Apply system tags to deployment environments.
9. Deploy a pre-defined sample WordPress application.