



Architecture and Hybrid Cloud Workshop for Accenture UK

London Dec 2022

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About me ..

Alfred Bach
Principal Solution Architect
EMEA Partner Team

Living in Austria near Vienna

More than 7 years with Red Hat
Coming from CA and SUSE/NOVELL

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Wifi:

PW:



OpenShift Partner Education Plan

Infrastructure / Architecture

INITIAL

[OpenShift Architecture Workshop](#)

or [OpenShift Infra Arch DLP](#)

or GLS/PTP DO 180 / DO280 / incl
assessment

ADVANCED

[Hybrid Cloud Architecture
Workshop](#) (2-day HC Workshop)

or [OCP PLUS Week](#)

or GLS/PTP DO380*

EXPERT (each one Day)

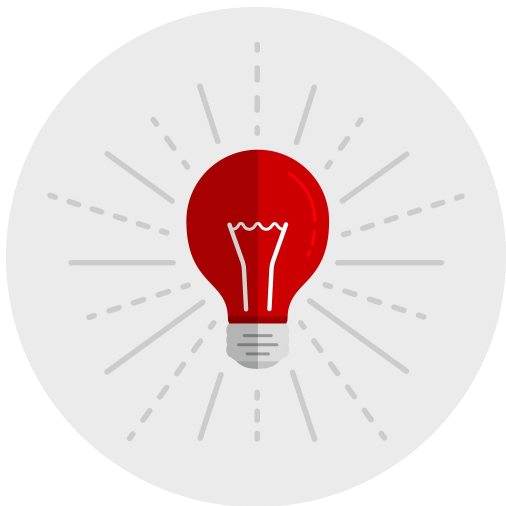
[ACM Workshop](#)

[Storage Foundation Workshop](#)

[Security Workshop \(focus on ACS\)](#)

[Hybrid Cloud NetWorking WS
\(Service Mesh, Cilium, Scupper\)](#)

Agenda Day 1



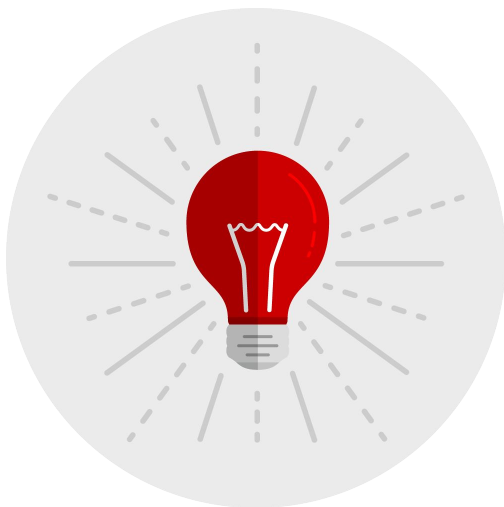
WiFi PW:

You can find the content here:

<https://github.com/alfbach/OCP-ACN-London>

Welcome	9:30
Architecture	9:45
Break	11:45
OpenShift I DO180 P1	12:00
Lunch Break	13:00
OpenShift I DO 180 P2	14:00
Installation	14:30
Break	15:30
OpenShift I DO180 P3	15:45
DO 180 Final assessment	17:30

Agenda Day 2



9:00	OpenShift Virtualisation
10:00	OpenShift Admin II DO 280 P1
11:00	Break
11:15	OpenShift Security
12:00	KNative/ Serverless / Quarkus
13:00	Lunch Break
14:00	OpenShift Admin II DO 280 P2
15:30	Break
15:45	OpenShift Admin II DO 280 P3
16:45	OpenShift Administration II (DO280) Assessment

Our Git Repository:

<https://github.com/alfbach/OCP-ACN-London>

The screenshot shows the GitHub repository page for `alfbach/OCP-ACN-London`. The repository is public and has 41 commits, 2 stars, 1 watching, and 3 forks. The file list includes folders for Day1, Day2, Day3, and Day4, each with an initial commit for ACN. Other files include Docs, other docs, .DS_Store, OpenShift and Hybrid Cloud ONSIT..., and README.md. The README.md file is selected, showing the title "OCP Architecture and Open Hybrid Cloud Workshop" and the subtitle "LONDON 2022".

File/Folder	Commit Message	Commit Date
Day1	initial for ACN	3 days ago
Day2	initial for ACN	3 days ago
Day3	initial for ACN	3 days ago
Day4	initial for ACN	3 days ago
Docs	new docu	last month
other docs	Docs added	2 months ago
.DS_Store	käo	3 days ago
OpenShift and Hybrid Cloud ONSIT...	käo	3 days ago
README.md	Update README.md	3 days ago

README.md


OCP Architecture and Open Hybrid Cloud Workshop

LONDON 2022

To start please provision your learning environment

<https://training-lms.redhat.com/sso/saml/auth/rhopen?RelayState=deeplinkoffering%3D45314150>

Course24 hours

 **Red Hat OpenShift I: Containers & Kubernetes (DO180) v4.10**

Introduction to building and managing containers for deployment on a Kubernetes and OpenShift 4 cluster.

0 / 2 Completed

Status

Incomplete

Score 0


Subscription

Nov-06-22 17:51 CET - Feb-03-23 17:51 CET

LaunchUnenrollTo DoMore

1

Complete this course by
This course can be completed by one of the following:

 DO180 v4.10 Assessment

Details

Course Structure

To-do

History

 **Red Hat OpenShift I: Containers & Kubernetes (DO180) v4.10 Survey**

Type: Post-Work Online

Date Available: ON_COMPLETION Status: Not Attempted

Red Hat OpenShift I: Containers & Kubernetes

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Course

Lab Environment

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Introduction

DO180: Red Hat OpenShift I: Containers & Kubernetes

DO180: Red Hat OpenShift I: Containers & Kubernetes is a hands-on course that teaches students how to create, deploy, and manage containers using Podman, Kubernetes, and the Red Hat OpenShift Container Platform.

One of the key tenants of the DevOps movement is continuous integration and continuous deployment. Containers have become a key technology for the configuration and deployment of applications and microservices. Red Hat OpenShift Container Platform is an implementation of Kubernetes, a container orchestration system.

- Course Objectives

- Demonstrate knowledge of the container ecosystem.
 - Manage Linux containers using Podman.
 - Deploy containers on a Kubernetes cluster using the OpenShift Container Platform.
 - Demonstrate basic container design and the ability to build container images.
 - Implement a container-based architecture using knowledge of containers, Kubernetes, and OpenShift.

- Audience

- System Administrators
 - Developers
 - IT Leaders and Infrastructure Architects

- Prerequisites

Students should meet one or more of the following prerequisites:

 - Be able to use a Linux terminal session and issue operating system commands. An RHCSA certification is recommended but not required.
 - Have experience with web application architectures and their corresponding technologies.

Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster

HandsOn LAB

TRANSLATIONS -

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Summary



In this chapter, you learned:

- A newly-installed OpenShift cluster provides two authentication methods that grant administrative access: the `kubeconfig` file and the `kubeadmin` virtual user.
- The `HTPasswd` identity provider authenticates users against credentials stored in a secret. The name of the secret, and other settings for the identity provider, are stored inside the `OAuth` custom resource.
- To manage user credentials using the `HTPasswd` identity provider, you must extract data from the secret, change that data using the `htpasswd` command, and then apply the data back to the secret.
- Creating OpenShift users requires valid credentials, managed by an identity provider, plus user and identity resources.
- Deleting OpenShift users requires deleting their credentials from the identity provider, and also deleting their user and identity resources.
- OpenShift uses role-based access control (RBAC) to control user actions. A role is a collection of rules that govern interaction with OpenShift resources. Default roles exist for cluster administrators, developers, and auditors.
- To control user interaction, assign a user to one or more roles. A role binding contains all of the associations of a role to users and groups.
- To grant a user cluster administrator privileges, assign the `cluster-admin` role to that user.

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Assessment / Certification

Course 24 hours

Red Hat OpenShift I: Containers & Kubernetes (DO180)

Introduction to building and managing containerized applications and deployment on a Kubernetes and OpenShift environment

0 / 2 Completed

Status **Incomplete**

Score **0**

Subscription

Nov-06-22 17:51 CET - Feb-03-23

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Completed course by

This course is completed by one of the following:

- DO180 v4.10 Assessment

Details Course Structure To-do History

Red Hat OpenShift I: Containers & Kubernetes (DO180) v4.10 Survey

Type: Post-Work Online

Date Available: ON_COMPLETION Status: Not Attempted

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EX180

Red Hat Certified Specialist in Containers and Kubernetes exam

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Location

Austria

Format [What's this?](#)

Individual Exam

Duration 2.00 hours

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Exam description

The Red Hat Certified Specialist in Containers and Kubernetes exam (EX180) tests your skills and knowledge of the fundamentals of containers and OpenShift, including the ability to find, customize, run, and manage containerized services in both stand-alone environments, and environments with both Kubernetes and OpenShift.

By passing this exam, you become a [Red Hat Certified Specialist in Containers and Kubernetes](#), which also counts towards earning a [Red Hat Certified Architect](#)

SHARE



EX280

Red Hat Certified Specialist in OpenShift Administration exam

Overview

Objectives

What you need to know

Skills path

Exam description

The Red Hat Certified Specialist in OpenShift Administration exam (EX280) tests the knowledge and skills required to create, configure, and apply OpenShift on a platform using [Red Hat® OpenShift® Container Platform](#).

By passing this exam, you become a [Red Hat Certified Specialist](#), which also counts toward becoming a [Red Hat Certified Architect \(RHCA®\)](#).

Objectives listed for this exam are based on the latest Red Hat product version available. Click "Get started" to view all versions of this exam available for purchase.

Location

Austria

Format

[What's this?](#)

Individual Exam

Duration

3.00 hours

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