




Ansible Automation

Webinar 3

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Q&A

How did you do last week?

Week 3

^ WEEK 3: Hackathon Preparation



Red Hat Ansible Hackathon Preparation Webinar

1 hour Not Enrolled

This webinar will introduce you to the basics and the preparation of the Hackathon.



Ansible Hackathon Prep Part I - Coding with Style

1 hour

"Hackathon prep Part 1" - Style Guide Concepts and Roles to make Ansible Code reusable. Understand the concepts used and ...



Ansible Hackathon Prep Part II - Collaboration/GIT

1 hour

"Hackathon prep Part 2" - Using Source Control to collaboratively work on your Ansible Playbooks using Git, Github and Gitlab...



Ansible Hackathon Prep Part III - Complex Solution Demo

1 hour

"Hackathon prep Part 3" - have a look at a complex end2end workflow based on a real world use case. Using Ansible Tower and ...



Ansible Hackathon Prep Part IV - Automation

1 hour

"Hackathon prep Part 4" - Advanced Ansible Concepts for Day 2 Operations, Scale and Delegation through Bastion Hosts, Test...



Ansible Automation Platform Distance Learning Program (EMEA) - Homework Assignment

Week 3

- Cloud Demo Code (Complex Solution Demo,):
<https://github.com/astolzen/elkdemo>
- Cloud Independen Rollout Example (may be helpful in Homework):
<https://github.com/astolzen/ansible-cloud-independent>

Homework

Homework Assignment

- Choose one of the 2 Scenarios
- Create Code or a Flowchart/Presentation of the Workflow, Playbooks and Roles to be used/created
- Architecture over Details

Scenario 1

- Implement central Monitoring / Metric / Log Collector in your Datacenter
(Tools like Splunk, ELK, Prometheus, Influx, RRDTool, collectd, Icinga etc..)
- Central Server Deployment / Configuration
- Client Distribution / Configuration

Scenario 2

- Write / Architect a vendor Independent Cloud and Application Rollout
- Create Compute Ressources (on GCP, EC2, Azure, IBM Cloud, Alibaba, Openstack, Vsphere, RHV)
- Abstract Compute Ressource inFormation from Vendor
- Roll out Application(s) on one or more Cloud Ressources independent from Vendor

Scenario 3?

- Are you already working on something completely different?
- Share your Architecture and get rated

Upload Homework

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Ansible Automation Platform Distance Learning Program (EMEA) - Homework Assignment

Upload Homework

 **Ansible Automation Platform Distance Learning Program (EMEA) - Homework Assignment**

Enroll

Add to Learning Path

Prerequisites Required

Description

Choose one out of three real-world automation Scenarios presented to you by the instructor in week 3. Write your own Ansible playbook or role to solve the given scenario.

Time Needed: Approximately 2-4 hours

Submission Files

Upload

Submission Comments

Add Comment

Details

Identifier: 44043056

Date Enrolled: Mar-08-21 09:36 CET

Language: English (en)

Submissions From: Jan-11-21


Status: In Progress

Grading Type: Simple - No Score

File Upload - Assignment Files - Google Chrome

training-lms.redhat.com/mt/clmafileupload.prMain?in_sessionid=42528j900941895&...

File Upload - Assignment Files



Drag and Drop files here

Select Files

Close

Enroll

Add to Learning Path


Prerequisites Required

Submission Files 1

Upload

Ready For Review

Upload all required assignment files for submission and then click Ready For Review

 **Application Packaging.pdf**
File Size: (791.2 Kb) Created By: Wajira Perera Created Date: Mar-05-21 Mar-05-21

Submission Comments

Add Comment

Deadline

Monday
March 15th 2021
12:00 noon (CET)

Collections Rule!

Collections

- AutomationHub (cloud.redhat.com)
- AutomationHub on Premise (t.b.d.)
- Upstream: Galaxy NG (<https://hackmd.io/@pulp/ansible-containers#/1>)
- Shrink “Bubblewrap” Environments
- Move Towards Execution Environments and “Runners”
<https://ansible-runner.readthedocs.io/en/stable/>
- Build you own Environments
(<https://www.ansible.com/blog/introduction-to-ansible-builder>)
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Let's get started