

Ansible Automation

Webinar 3

- in linkedin.com/company/red-hat
- youtube.com/user/RedHatVideos
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Q&A

How did you do last week?



Week 3

↑ WEEK 3: Hackathon Preparation



Red Hat Ansible Hackathon Preparation Webinar

1hour 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

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

Thou

"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 Independant 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



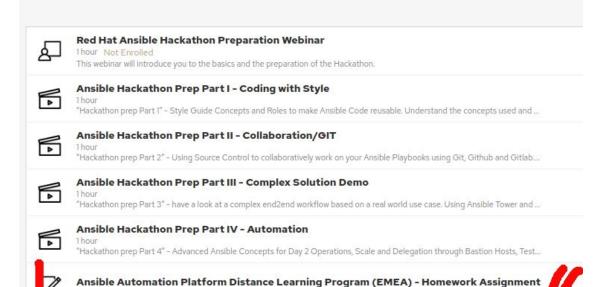
Scenario 3?

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



Upload Homework

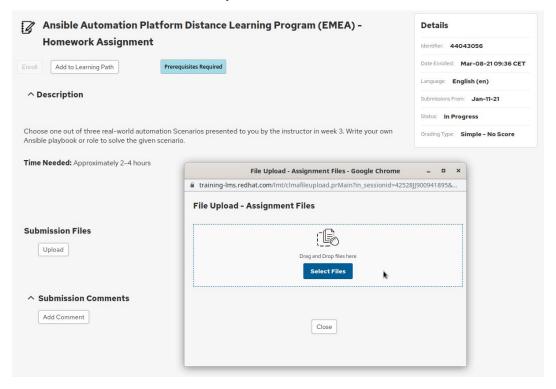
↑ WEEK 3: Hackathon Preparation

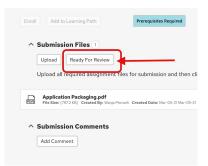




Ansible Distance Learning - Introduction GENERAL DISTRIBUTION

Upload Homework







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

