

OVERVIEW

The Ansible Network Automation Workshop is a one-day, hands-on workshop covering both Ansible and Ansible Tower. Attendees will learn how to use Ansible to automate network operations, and acquire the skills needed to implement Ansible and Ansible Tower at their organizations.

Note: In this workshop, attendees will be managing network devices, such as Cisco routers.

Skills Gained

Red Hat Ansible Engine

- Basic understanding of what Ansible is and how it works with networking devices
- Running ad-hoc Ansible commands from a command line
- Building and execution of playbooks to accomplish basic router connectivity
- Use Case: Backing up network configurations
- Use Case: Create a GRE tunnel
- Use Case: Additional router configurations
- Introduction to Roles: Making playbooks reusable and platform agnostic

Red Hat Ansible Tower

- Installing Ansible Tower
- Configuring Ansible Tower
- Use Case: Creating and running a job template

Who Can Benefit?

This workshop is geared toward network operators, network engineers, cloud administrators, DevOps engineers, security professionals and anyone interested in network automation.

Requirements for Attendees

- An internet connection is required. Attendees must come with a laptop with admin rights and the ability to SSH to a lab environment hosted in a public cloud.
- Attendees should have working knowledge of using SSH and command line shell

(BASH) as well as a conceptual understanding of linux system administration (how to use simple commands like cd, ls, mv, mkdir, etc).

- Attendees should have working knowledge of at least one Linux text editor (nano, pico, vi/vim, zile, emacs) with which to write Ansible playbooks.

Agenda

8:30 a.m.	Introduction and Settle In
8:30 a.m. – 12:00 p.m.	Morning Sessions What is Ansible and The Ansible Way, Demo: Installing AnsibleHow Ansible Works and its Key ComponentsExploring the lab environmentWriting your first playbookModule documentation, Registering output & tags
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 3:30 p.m.	Afternoon Sessions Using Ansible to update router configurationsBacking up the router configurationUsing Ansible to restore the backed up configurationAn introduction to templating with Jinja2Building dynamic documentation using the command parser

Ansible Engine:

Exercise 1.1 – Exploring the lab environment
Exercise 1.2 – Writing your first playbook
Exercise 1.3 – Module documentation, Registering output & tags
Exercise 2.1 – Using Ansible to update router configurations
Exercise 2.2 – Backing up the router configuration
Exercise 2.3 – Using Ansible to restore the backed up configuration
Exercise 3.1 – An introduction to templating with Jinja2
Exercise 3.2 – Building dynamic documentation using the command parser

EVENT DETAILS

Date: Tuesday, May 21, 2019

Time: 8:30 a.m. – 3:30 p.m. EDT

Location:

[Red Hat Office](#)

3340 Peachtree Rd, NE
Suite 1200
Atlanta, GA 30326

Register for the Workshop

Event ▼

Name *

First

Last

Work Email *

Work Phone *

Company name *

Company department *

Designation *

Country *

City *

State *

ZIP / Postal code *

Email

Submit