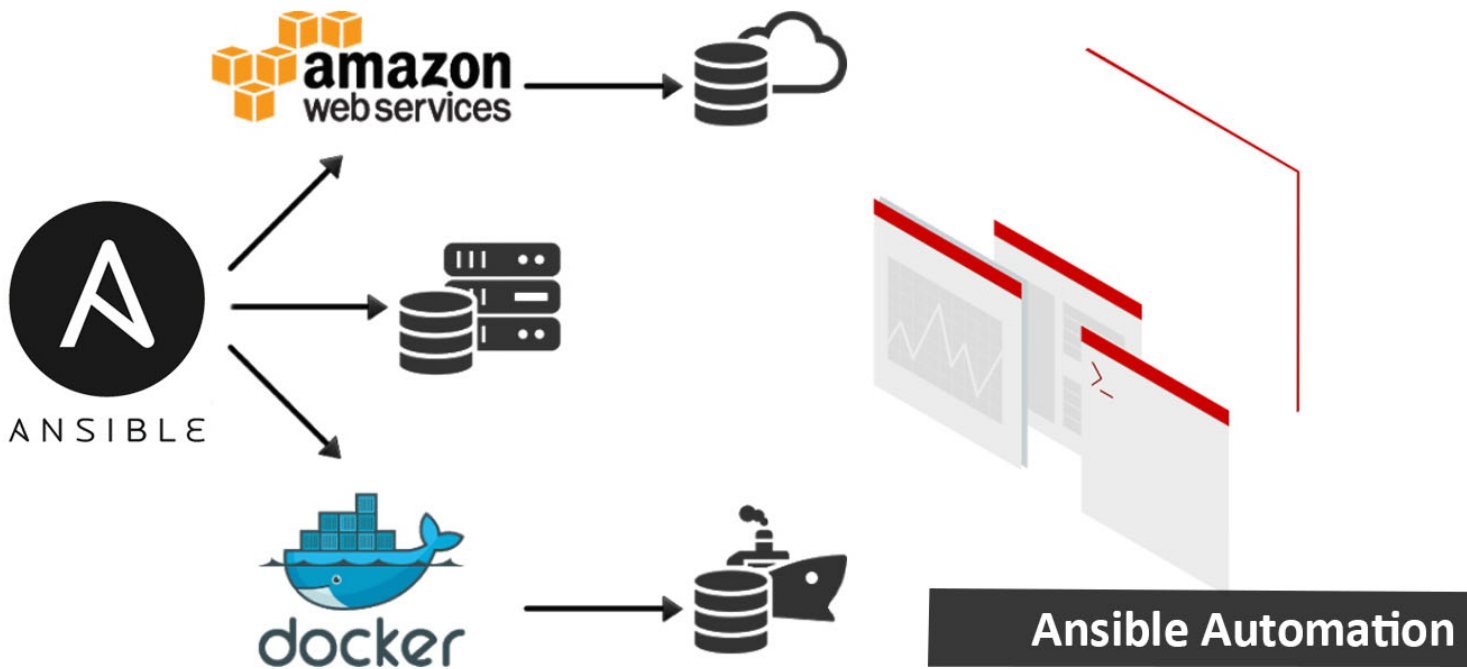


# Network Automation Python



# Network Automation with Python

**Description:** The days of configuring Cisco networks only with the command line interface (CLI) are drawing to a close. You need to add network programmability using Ansible to your skill set. Learn how you can use Ansible to troubleshoot networks! Use a single Ansible command to retrieve configuration from routers and switches in seconds. Then pipe the output to a regular expression to filter down to a single word you are looking for. You will never troubleshoot networks the same way again!

This course shows you practical examples of setting up suitable environment for Ansible and using Ansible to programmatically configure Cisco network devices rather than just talking about it.

Learn how to automate networks using:

- SSH
- Ansible Network modules
- Ansible Playbooks
- Ansible ad hoc commands

Who is the target audience?

- Network Engineers
- Network Architects
- Anyone interested in learning Ansible for networking



## Automation with Ansible for Network Admins

- Introduction to Automation.
- GNS3 Lab
- H/w Lab Setup
- Installing Ansible on Ubuntu
- Configuring Ansible
- Setting up the Network Appliance
- Running the Ad-Hoc Commands in Ansible
- Introduction to Playbooks
- Basic Intro to YAML
- Playbooks in Action
- Running User Mode Commands using Ansible-Playbook
- Running Privelege Mode Commands using Ansible-Playbook
- Running Configuration Mode Commands using Ansible-Playbook
- Creating VLANS using Ansible-Playbook
- Configuring STP using Ansible-Playbook
- Configuring Routing Protocols using Ansible-Playbook
- Configuring Access-Lists using Ansible-Playbook
- Creating Backups using using Ansible-Playbook

