Lab: Configuring Cisco Devices With Ansible

1. Create Ansible Inventory Files named inventory for following hosts

Alias name	**IP address**	**Username**	**Password**	**Network OS**
r1	sandbox-iosxe-recomm-1.cisco.com	developer	lastorangerestoreball8876	Cisco IOS
r2	'sandbox-iosxr-1.cisco.com'	admin	C1sco12345	Cisco IOS XR

2. Use ad-hoc Ansible command to verify connectivity to R1 and R2 by using Ping module
3. Add two group iosxr and iosxe in inventory file, r1 belongs to iosxe group and R2 belong to iosxe group
4. Add group sandbox that consists of routers in iosxe group and iosxr group
5. Use ad-hoc Ansible command to verify connectivity to iosxe group and iosxr group
6. Create a playbook, named loopback.yaml.
7. Create a task in playbook loopback to verify connectivity to routers in iosxe and iosxr group by using ping module
8. Run the playbook
9. Create a task in playbook loopback to verify perform ‘show ip interface brief’ and ‘show ipv4 interface brief’
10. Display the output of above commands by debug module.
11. Run the playbook
12. Create a task to configure new interface Loopback 102 and Loopback 103 on all routers in iosxe and iosxr group
13. Run the playbook
14. Create a playbook, named ‘static’, consists of following tasks:
    a. Verify static route configuration on routers in iosxe and iosxr groups
    b. Configure two more static routes (10.10.101.0/24 and 10.10.102.0/24, next-hop 1.1.1.1) on routers in iosxe and iosxr groups
    c. Verify the result

    Run the playbook.