Ansible Connectivity Check

Overview

This project validates Ansible connectivity between the control node and multiple managed hosts using SSH key-based authentication.

Summary

Verified inventory configuration and host grouping.

Confirmed SSH access to development and performance servers.

Ran Ansible ad-hoc ping commands against individual hosts and host groups.

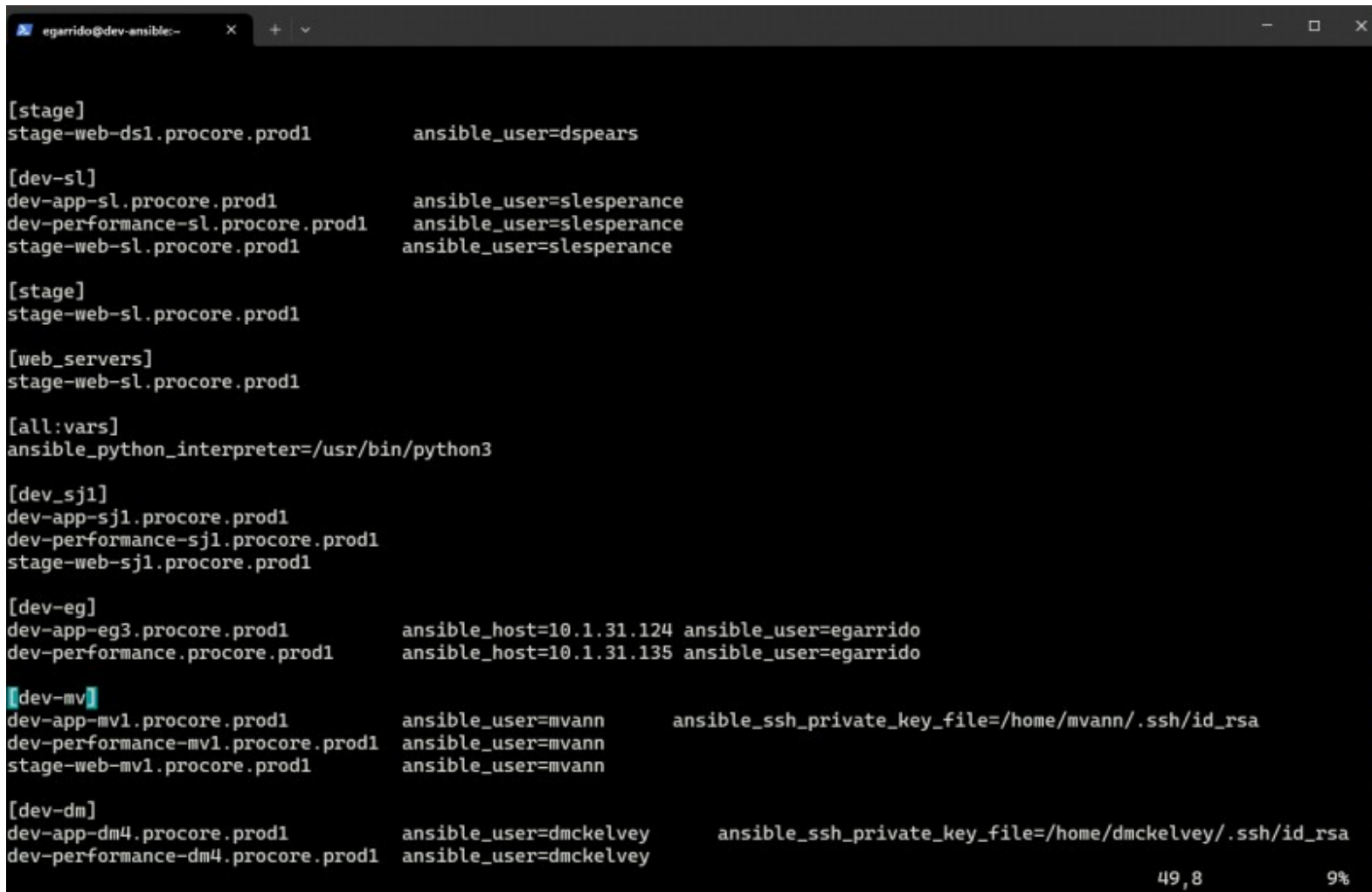All targets returned successful responses.

Verification

```
ansible -m ping dev-eg3
```

Outcome

Ansible communication is confirmed and the environment is ready for automation.

An Ansible inventory file showing multiple host groups for dev, stage, and performance environments, with host-specific ansible_user, SSH key paths, and a global Python interpreter defined to support secure, organized automation across systems.

```
egarrido@dev-ansible:~          ×     +  ∨                                                         —    □    ×

[stage]
stage-web-ds1.procore.prod1              ansible_user=dspears

[dev-sl]
dev-app-sl.procore.prod1                 ansible_user=slesperance
dev-performance-sl.procore.prod1         ansible_user=slesperance
stage-web-sl.procore.prod1               ansible_user=slesperance

[stage]
stage-web-sl.procore.prod1

[web_servers]
stage-web-sl.procore.prod1

[all:vars]
ansible_python_interpreter=/usr/bin/python3

[dev_sj1]
dev-app-sj1.procore.prod1
dev-performance-sj1.procore.prod1
stage-web-sj1.procore.prod1

[dev-eg]
dev-app-eg3.procore.prod1                ansible_host=10.1.31.124 ansible_user=egarrido
dev-performance.procore.prod1            ansible_host=10.1.31.135 ansible_user=egarrido

[dev-mv]
dev-app-mv1.procore.prod1                ansible_user=mvann        ansible_ssh_private_key_file=/home/mvann/.ssh/id_rsa
dev-performance-mv1.procore.prod1    ansible_user=mvann
stage-web-mv1.procore.prod1              ansible_user=mvann

[dev-dm]
dev-app-dm4.procore.prod1                ansible_user=dmckelvey      ansible_ssh_private_key_file=/home/dmckelvey/.ssh/id_rsa
dev-performance-dm4.procore.prod1    ansible_user=dmckelvey
                                                                                            49,8                      9%
```
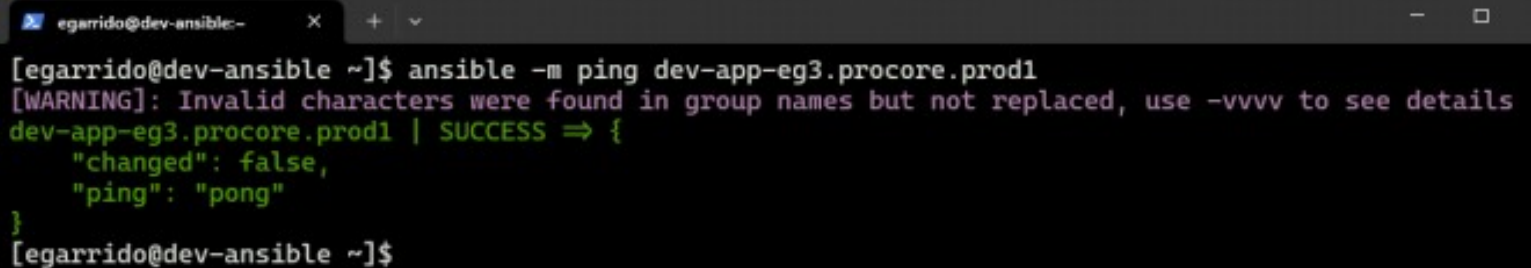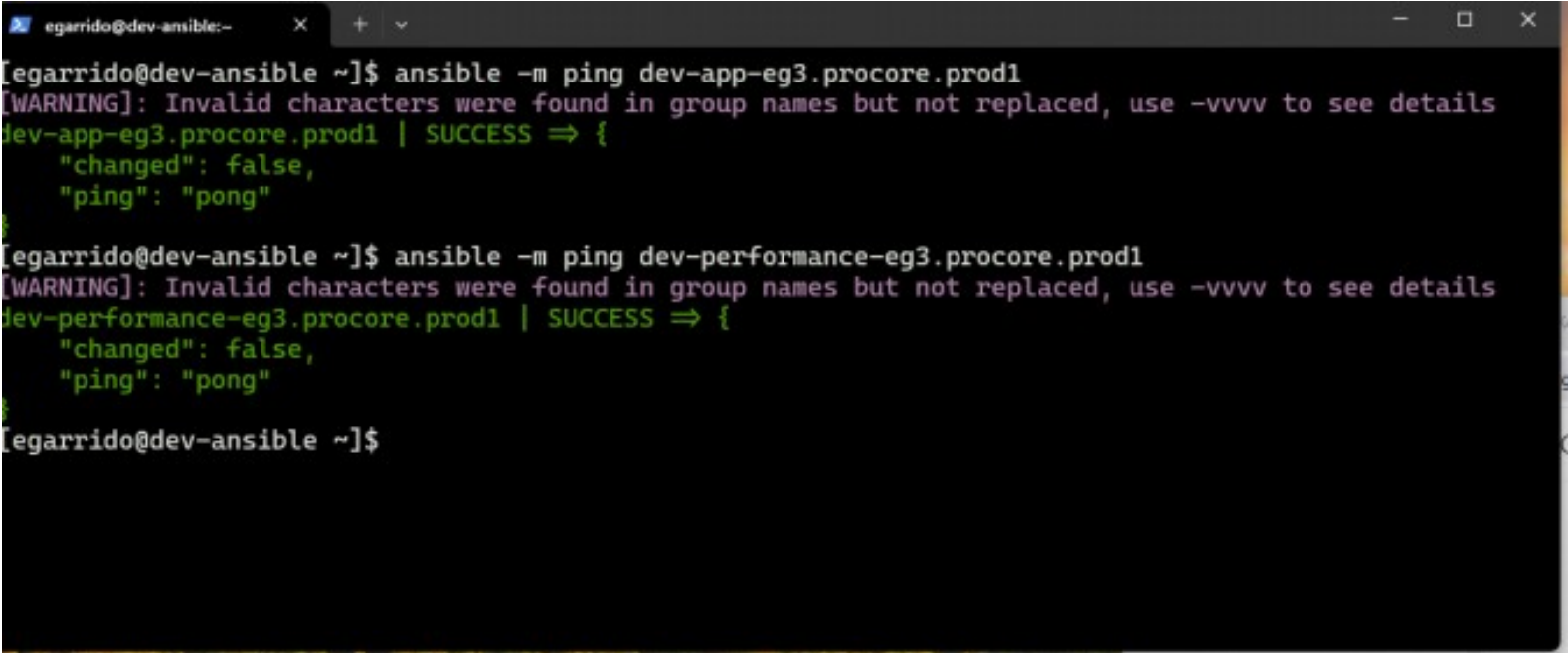
An Ansible ad-hoc ping command is run against dev-app-eg3.procore.prod1, returning a successful response and confirming SSH connectivity and Ansible communication with the target host.
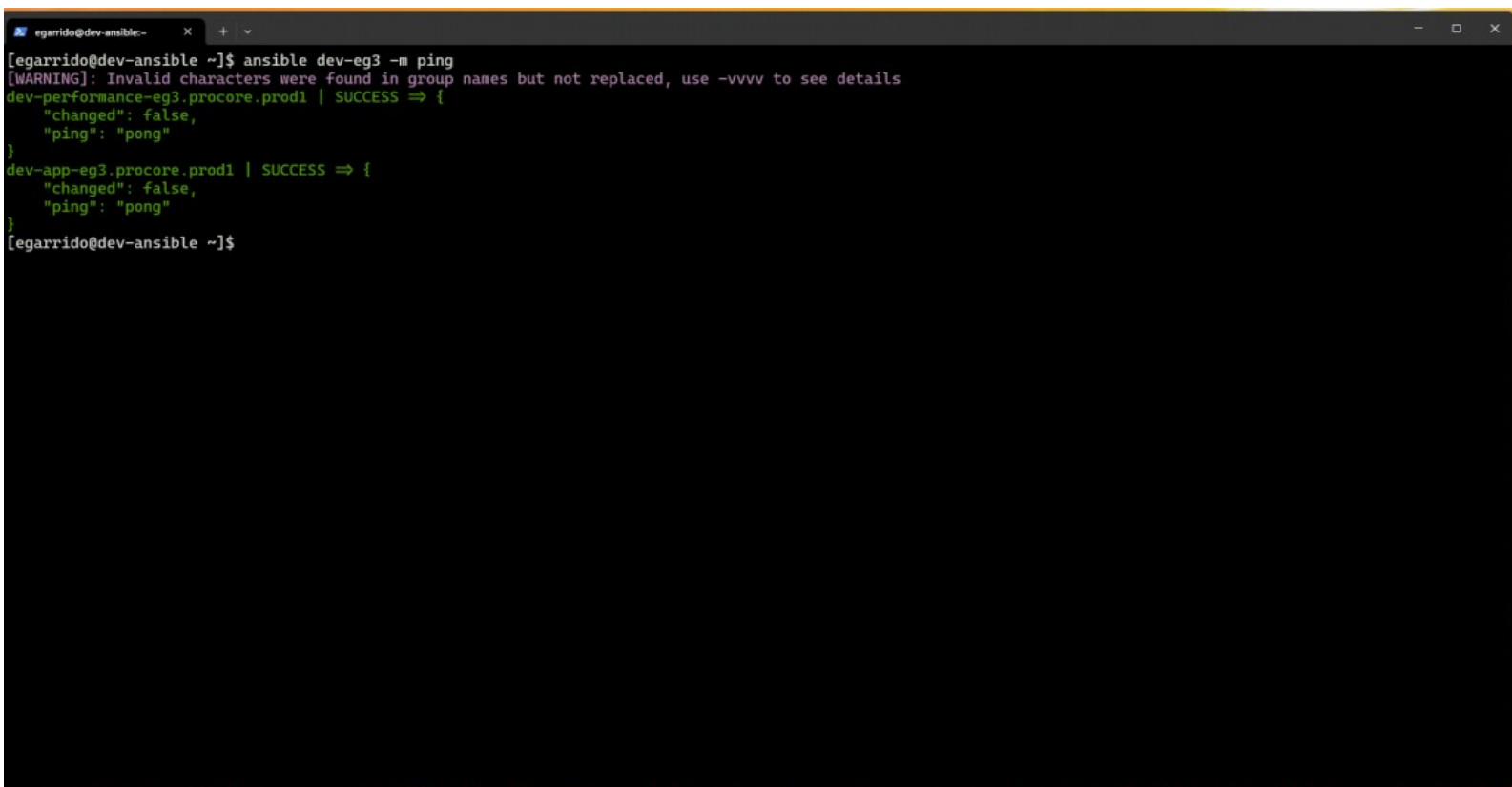
```
[egarrido@dev-ansible ~]$ ansible -m ping dev-app-eg3.procore.prod1
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
dev-app-eg3.procore.prod1 | SUCCESS => {
    "changed": false,
    "ping": "pong"
}
[egarrido@dev-ansible ~]$
```

Ansible ad-hoc ping commands are executed against both dev-app-eg3.procore.prod1 and dev-performance-eg3.procore.prod1, returning successful responses and confirming SSH connectivity and Ansible communication with both development and performance hosts.


```
[egarrido@dev-ansible ~]$ ansible -m ping dev-app-eg3.procore.prod1
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
dev-app-eg3.procore.prod1 | SUCCESS ⇒ {
    "changed": false,
    "ping": "pong"
}

[egarrido@dev-ansible ~]$ ansible -m ping dev-performance-eg3.procore.prod1
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
dev-performance-eg3.procore.prod1 | SUCCESS ⇒ {
    "changed": false,
    "ping": "pong"
}

[egarrido@dev-ansible ~]$
```

An Ansible ad-hoc ping is executed against the dev-eg3 host group, returning successful responses from both development and performance servers, confirming inventory grouping and SSH connectivity are functioning correctly.

```
egarrido@dev-ansible:~          ×     +   ∨                                                                    —   □   ×

[egarrido@dev-ansible ~]$ ansible dev-eg3 -m ping
[WARNING]: Invalid characters were found in group names but not replaced, use -vvvv to see details
dev-performance-eg3.procore.prod1 | SUCCESS ⇒ {
    "changed": false,
    "ping": "pong"
}
dev-app-eg3.procore.prod1 | SUCCESS ⇒ {
    "changed": false,
    "ping": "pong"
}
[egarrido@dev-ansible ~]$
```

Summary

Ansible connectivity is successfully verified by running ad-hoc ping commands against individual hosts and a host group. All targets return successful responses, confirming correct inventory configuration, SSH key-based authentication, and readiness for automation.