

DO467

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Version 2.0 | 2022-09-16

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Controller Setup and Dynolabs

Directory Containing Controller Setup Playbooks:

• /home/student/.venv/labs/lib/python3.6/site-packages/do467/ansible/controller

Instructor Reminder and Tip



Location of many of the Ansible Components that configure Controller: /home/student/.venv/labs/lib/python3.6/site-packages/do467/ansible/controller/configure



Customizing AAP Execution Environments

• https://github.com/tmichett/AAP2_EE_Demo



AAP2 EEs that are Custom

- https://quay.io/repository/tmichett/aap2-ee-demo
- https://quay.io/repository/tmichett/aap2-ee-demo-ansible29

Sharing EEs



If sharing an EE image on Quay, you can't use any of the Red Hat base images as that requires licensing. You must use a builder image from Quay.

EE_BASE_IMAGE: quay.io/ansible/awx-ee:latest

Building Custom EEs

1. Install required packages (even for non-RHEL system)

pip3 install ansible-builder ansible-runner



Some things require at least Python 3.8 so that must also be installed on the system

- 2. Create configuration files.
- 3. Run ansible-builder

ansible-builder build --container-runtime podman -t ee-demo:1.0 --prune-images

Reference Project



The **EE_Current** demo has multiple collections built-in including ability to use Gitlab modules. Because the Gitlab modules require special python libraries, those are also included in the custom EE. Specifically the **python-gitlab** package is needed.

https://github.com/tmichett/AAP2_EE_Demo

Python Versions



If not creating EEs and running from the system, Python environments must be specified and installed and pip must be used to install pythong packages. In some instances, you might also need to specify the Python interpreter with the **ansible-playbook** command.



Listing 1. Python Alternatives

```
update-alternatives --config python3
```

```
update-alternatives --config python
```

Listing 2. Install Pre-Req Python Modules for Gitlab Ansible Modules

```
#Install Pre-Req Python Modules for Gitlab Ansible Modules sudo python3.6 -m pip install python-gitlab sudo python3.6 -m pip install requests
```

Listing 3. Run Ansible Playbook with Correct Python Interpreter

```
#Run Ansible Playbook with Correct Python Interpreter ansible-playbook Create_Gitlab_Project.yml -e 'ansible_python_interpreter=/usr/bin/python3.6'
```

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Customizing AAP Automation Controller

/var/lib/awx/public/static/media

default.string.json (Change Welcome Branding) == Environment Information

/home/student/.venv/labs/lib/python3.6/site-packages/do467/ansible

grep -R admin group_vars/
grep -R root group_vars/

Gitlab Admin Credentials

root R3Dh@tR00t