

Use t2.large

Steps 2,3,4,5,6,7 not needed. Directly start from step 8.

1. Login to instance using SSH via key based authentication. Use "ubuntu" as userid

(refer https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/putty.html for details on how to connect using putty/ssh)

2. Once connected using ssh/putty, run below command to set the password for "ubuntu" user on the terminal

sudo passwd ubuntu

3. Once the password is set for ubuntu user, from your local windows machine, goto start menu.

4. On the start menu, search & select "remote desktop connection" .

5. In the "remote desktop connection" wizard, provide public IP of your instance & click connect.

6. In the displayed window, provide "ubuntu" as userid & password set in step 2 above.

7. Now you are connected to the desktop environment of the VM where you can access out of box environment for Ansible AWX Tower .

8. For Web Interface,Login to the VM using ssh/putty

9.Run below command to see the default username and auto-generated password

cat /home/ubuntu/ansible\_awx\_password.txt

If you see blank password in the file, wait for 2 minutes and run "cat" command again.

10. open the url http://<your-public-ip> in browser

11. Use default userid & auto-generated password from step 9 to login to web interface

12. You must change the default id and password as security measures by going to admin profile page and entering new userid and password

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Ansible AWX Deploying Nginx:

1. Deploy the AWX Tower as mentioned in the google drive document.

Ansible\_Tower\_Installation.docx

2. Login to the AWX Box using user ubuntu and generate SSH Keys using ssh-keygen

3. Deploy 2 new Ubuntu Servers in the same VPC and in the user\_data give the AWX Public key to

be added to the authorized keys.

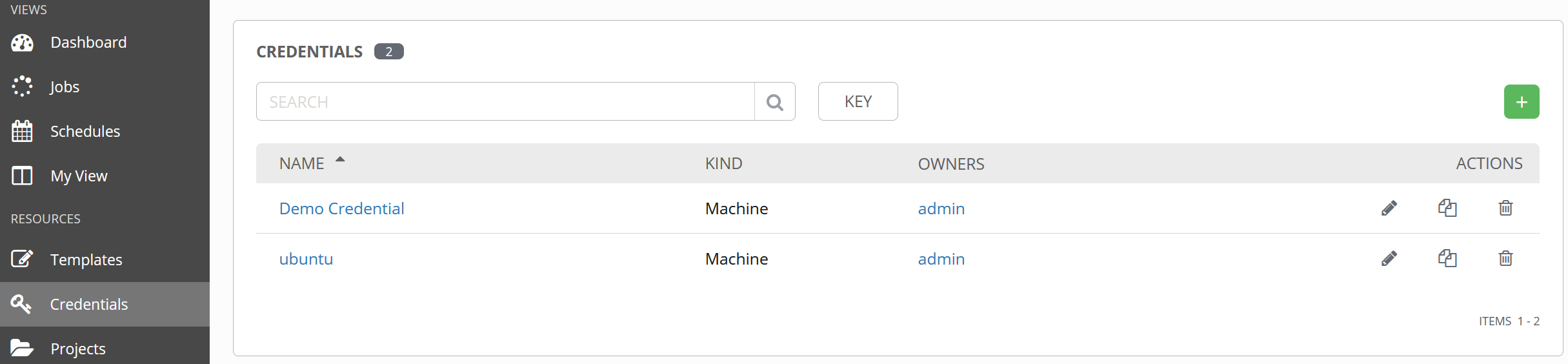
Eg:

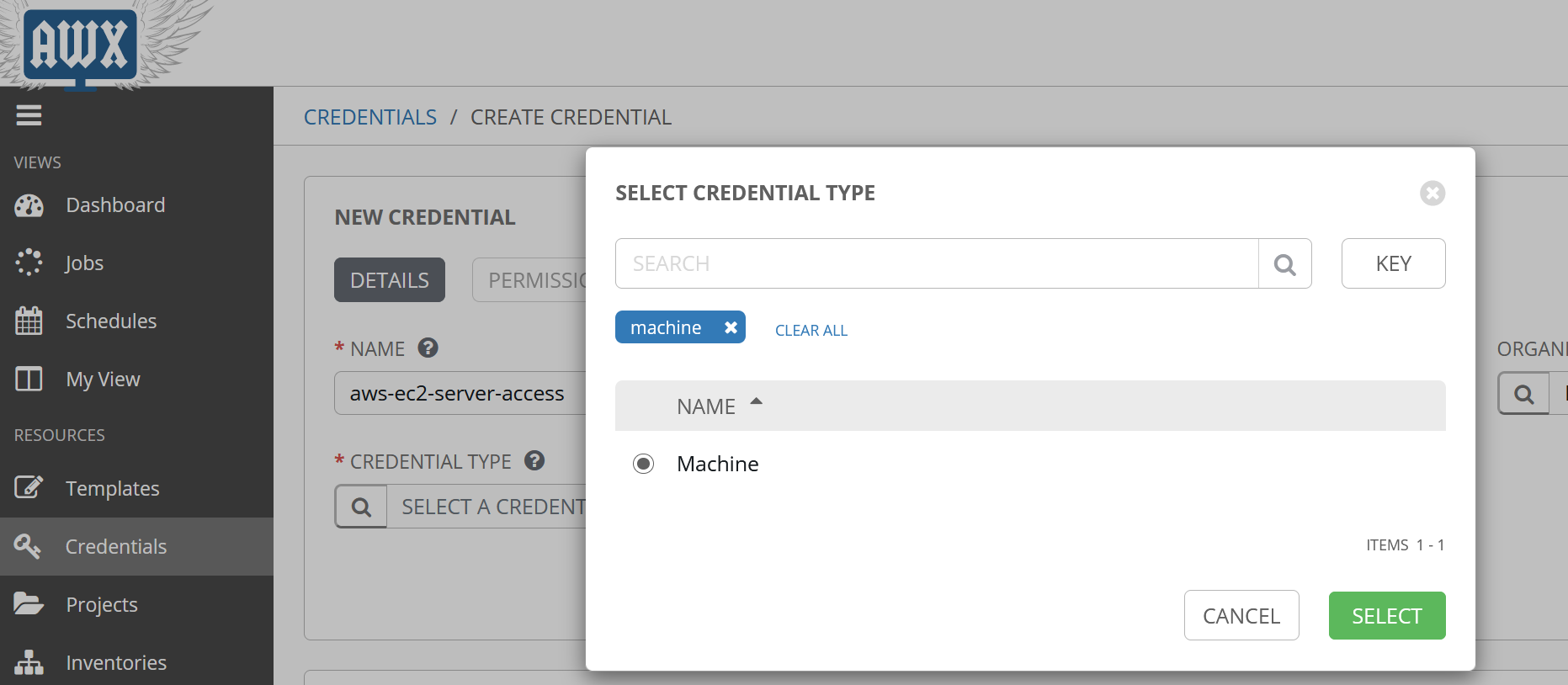
#!/bin/bash

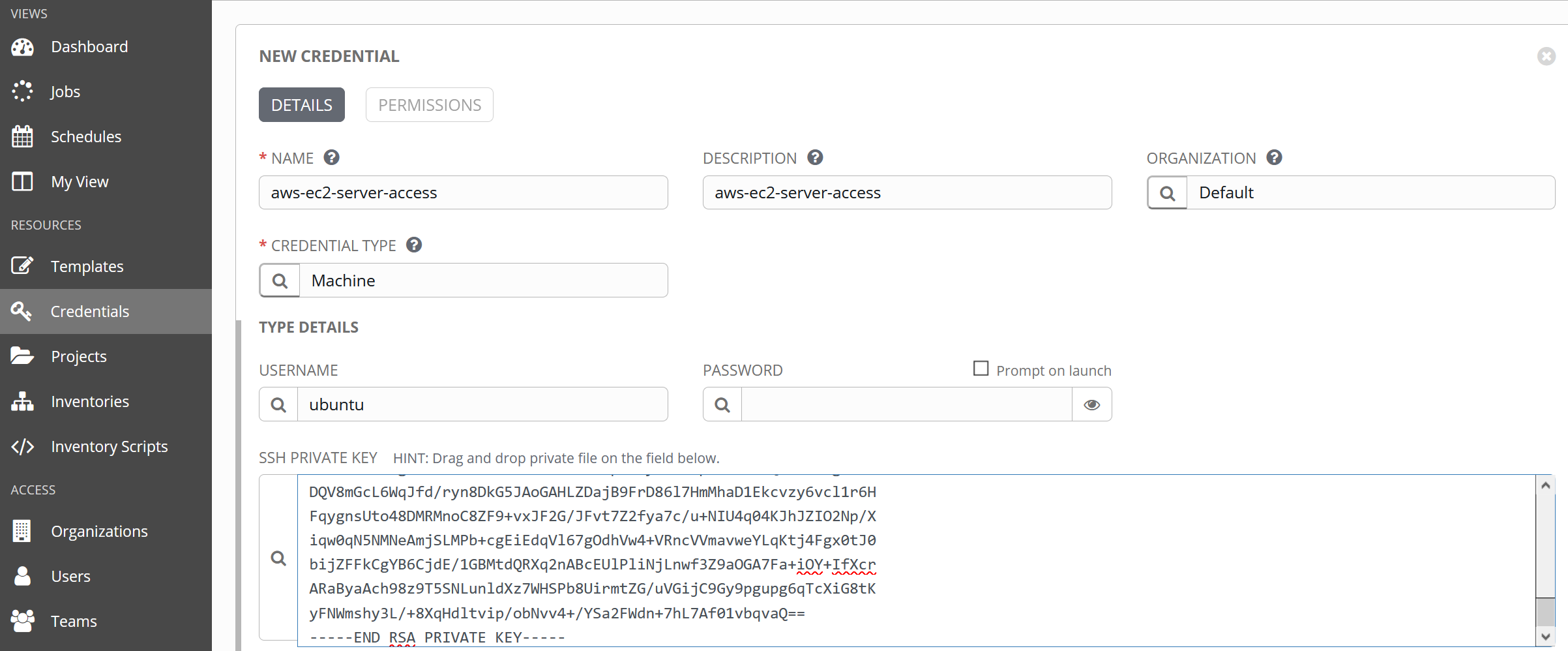
echo 'ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDK0pGR1W3yuXlF1kuGLPlwwzII+H2/UZlnJa9ABhmFnATxKuF2Urw0y0t+nliW/bY2xPMXge2M1LV5jCOuJYua9Wr15zK25jms8rv218MduS62wog7sSKF06/3zn0yl1JdAkkRzuGhFDrdHt4w3R1bcngglGGr3JVTXRopIAQdHwH4G+2A6gf1yPBHN25OSd7aZXKkXgXR+rtcRjdJFW0wbvJPgGD4s8mK0MA5TbNDX4zLxHiiexGbY4sBsZMgWV52fm2CRYefLdQrfVwUOqvlalEm4xF529oWoMbKh7WmtwPpGMApE73VF

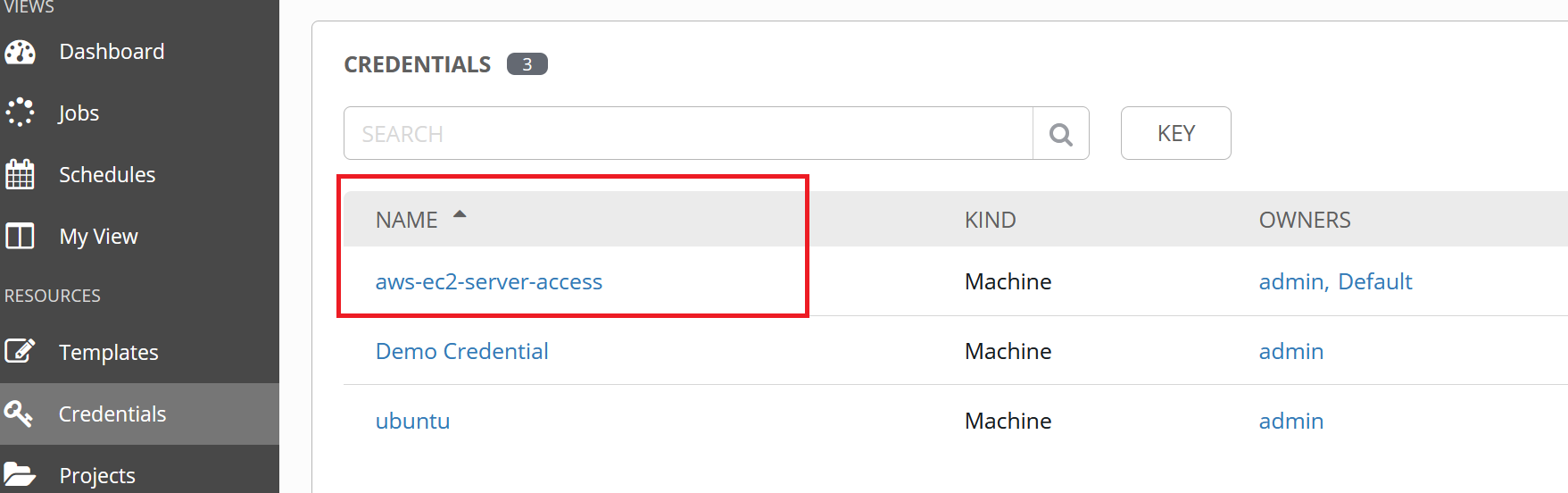
sua5W2EGKeKLzAltDmsC3w0h2EFEfF1 ubuntu@ip-10-40-1-221' >> /home/ubuntu/.ssh/authorized\_keys

4. Login AWX and first step to create a credential with the private key of the AWX Ubuntu User.

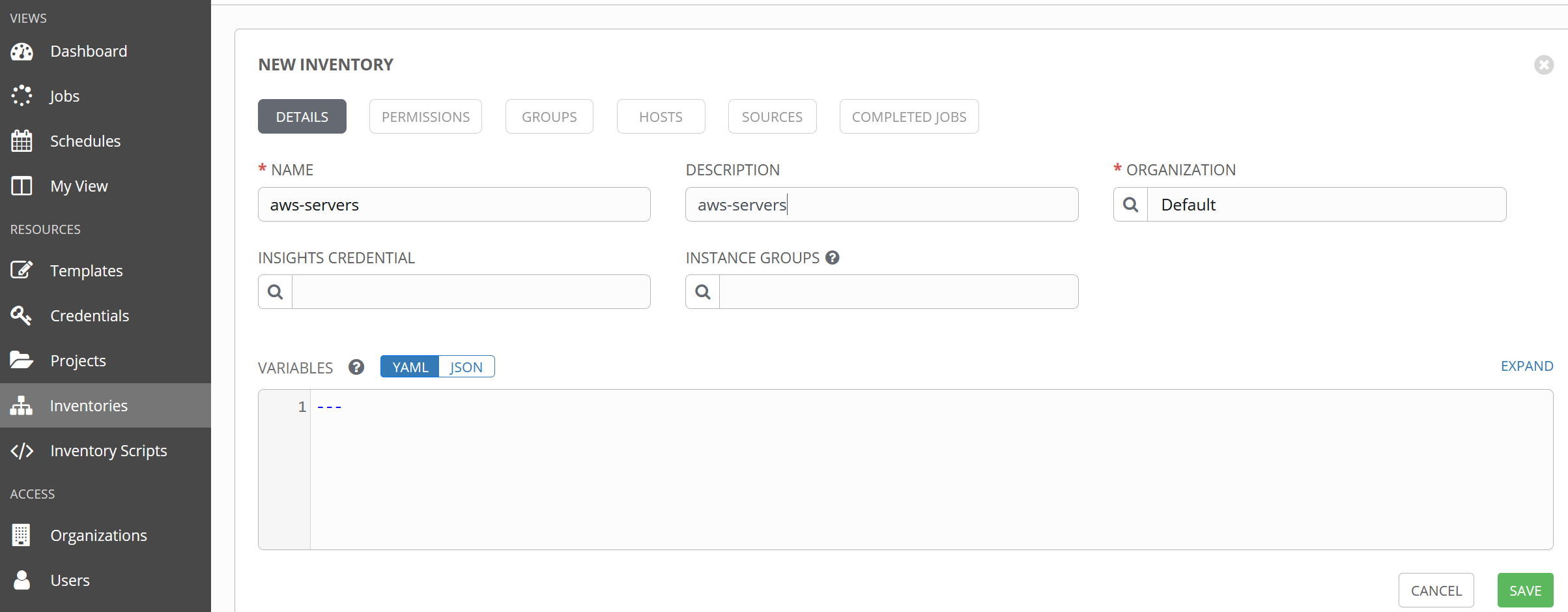


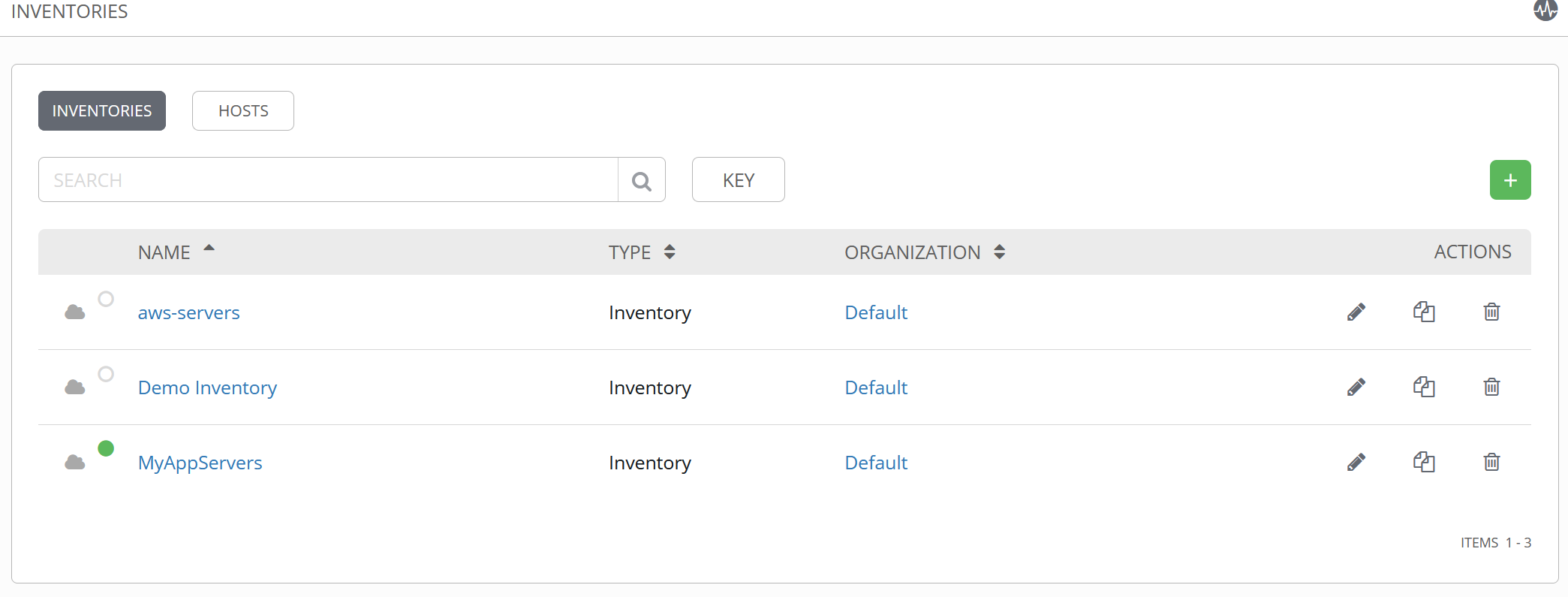


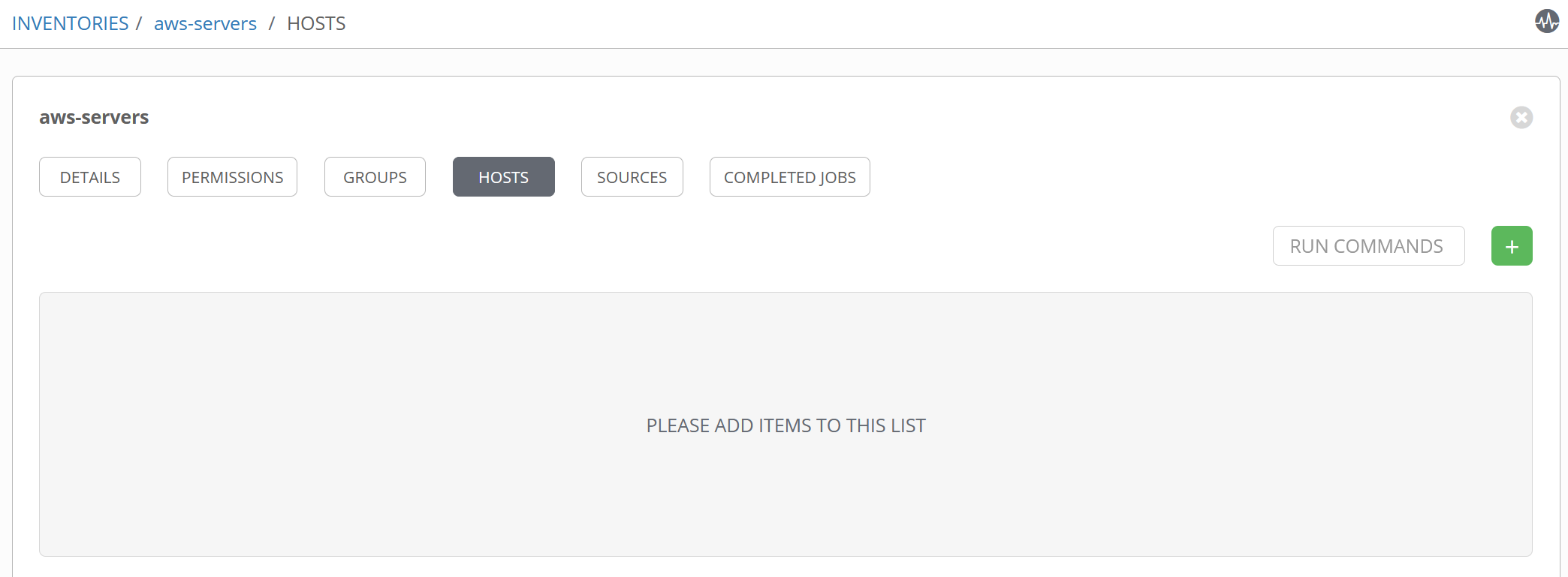


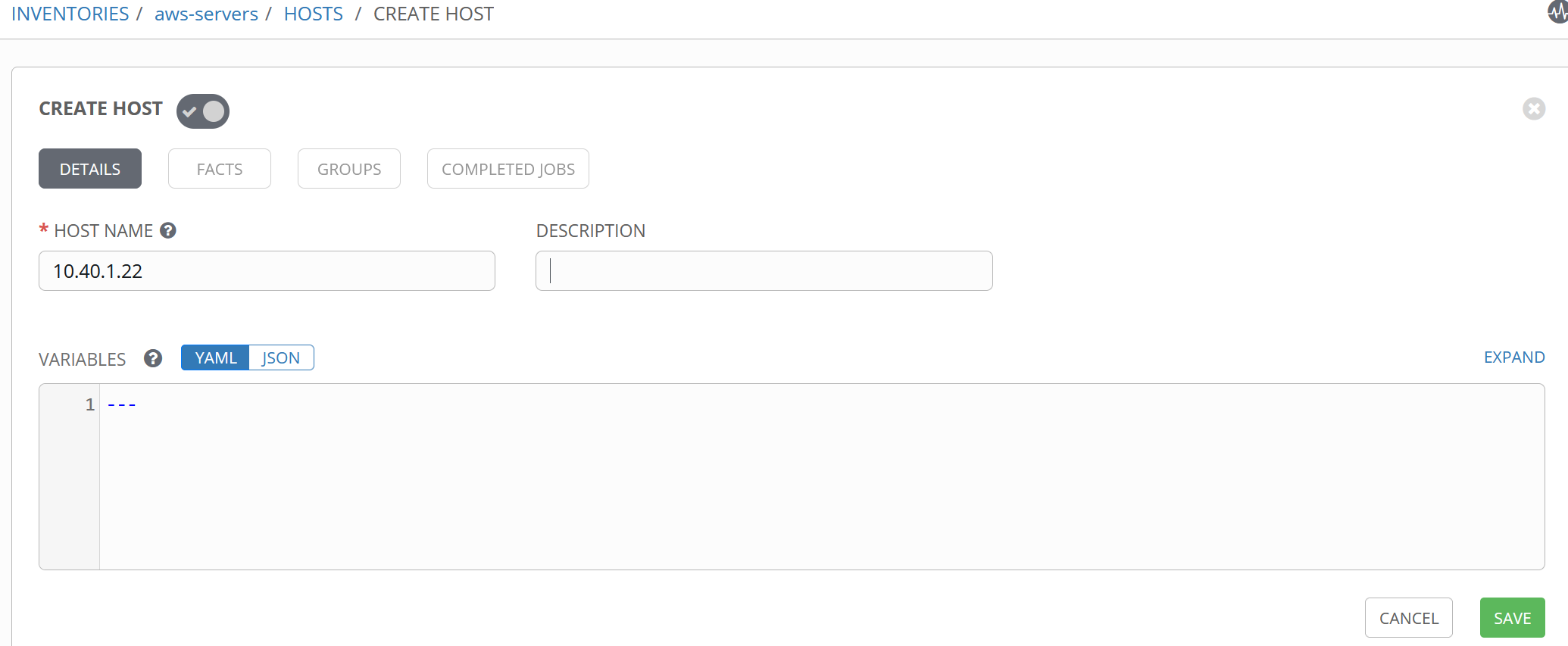


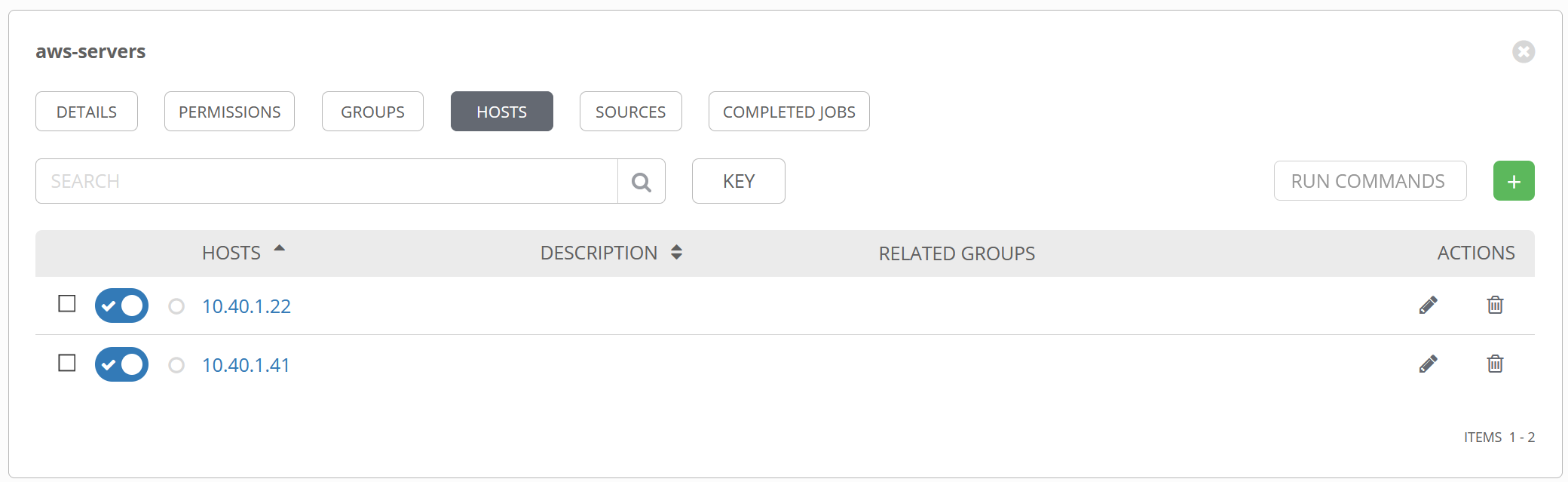
5. Create a new inventory with the EC2 Servers you have created. If they are in same VPC, you can use the Private IP, else use public ip.





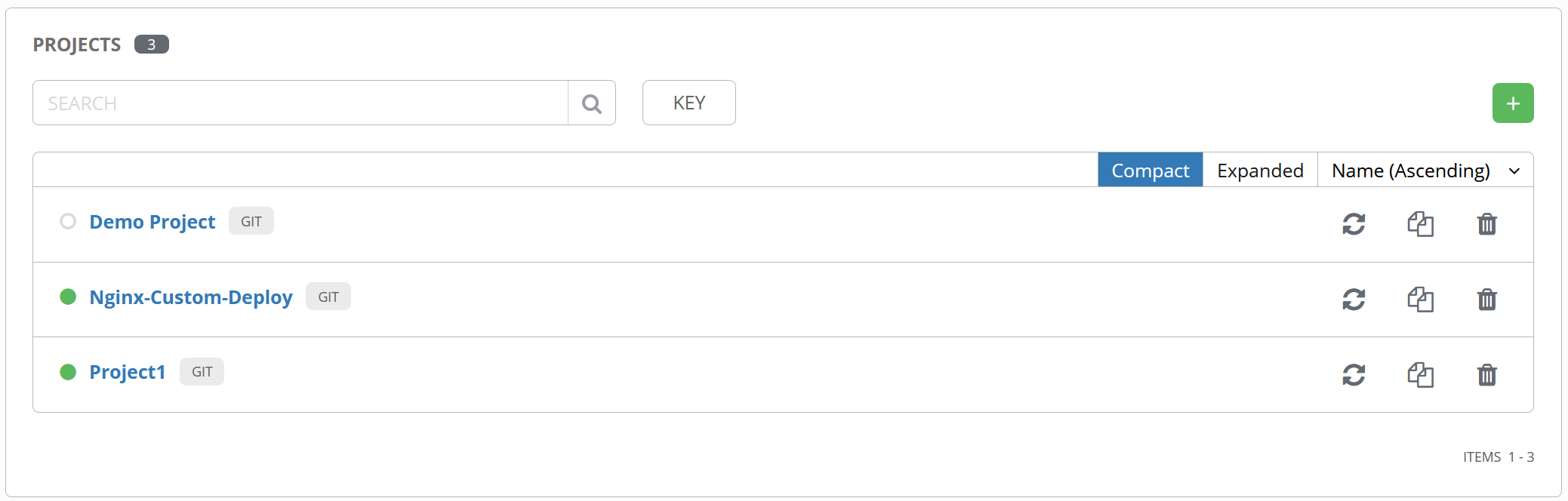


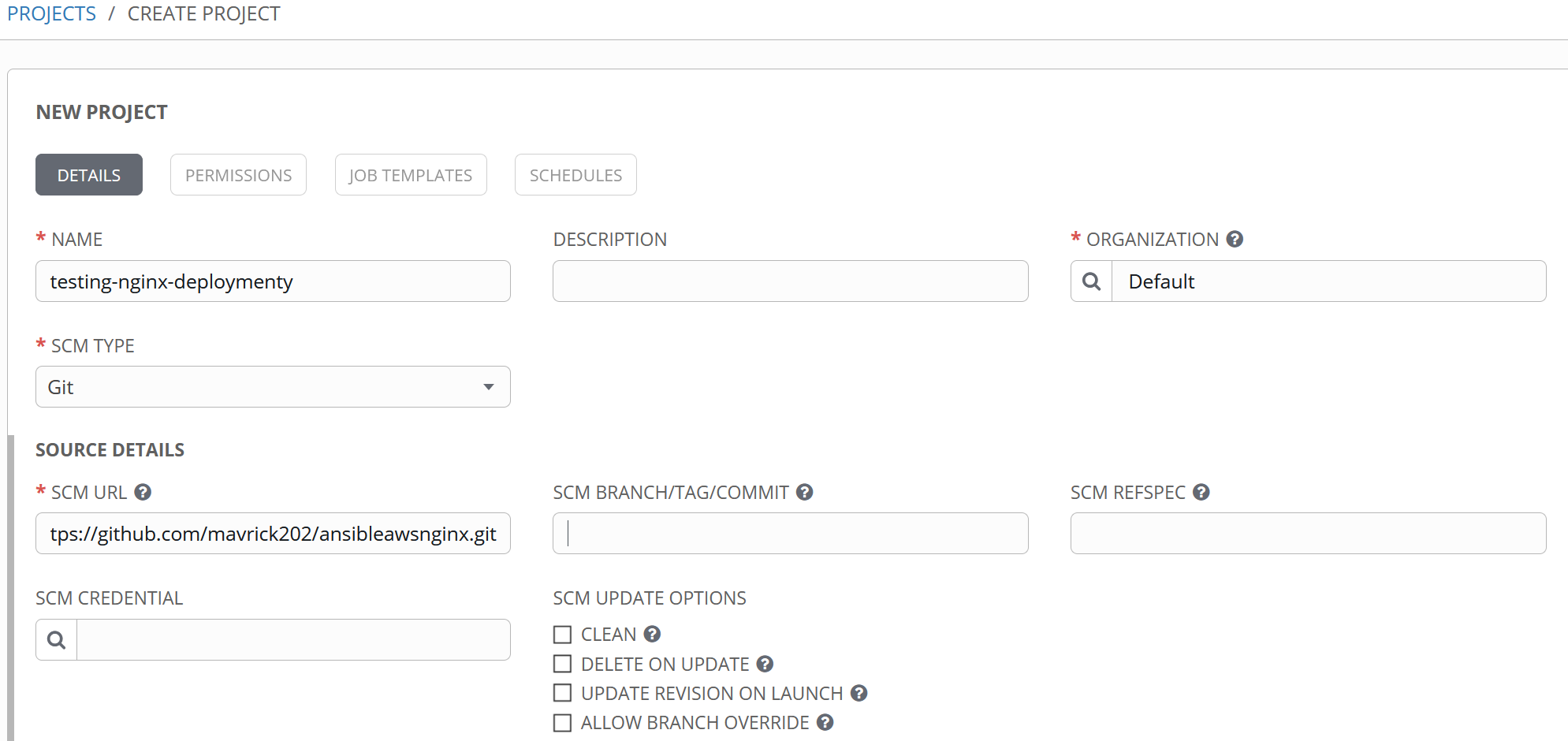


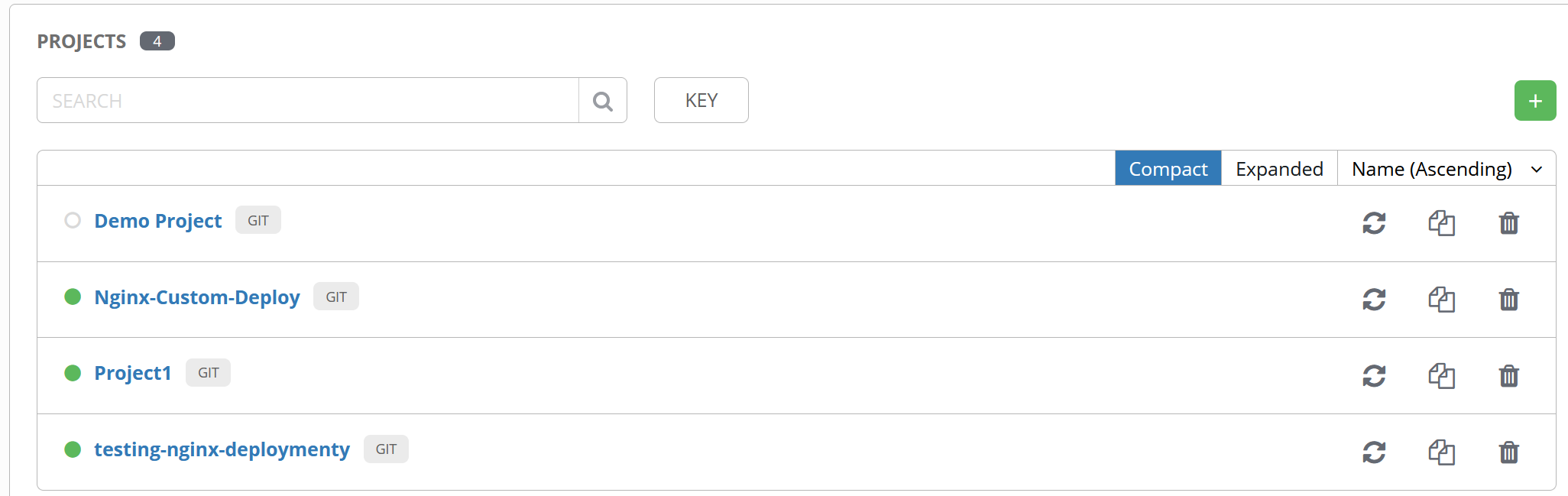


6. Create a new project where we can provide our github repo for the deployment. Following public repo can be used for testing:

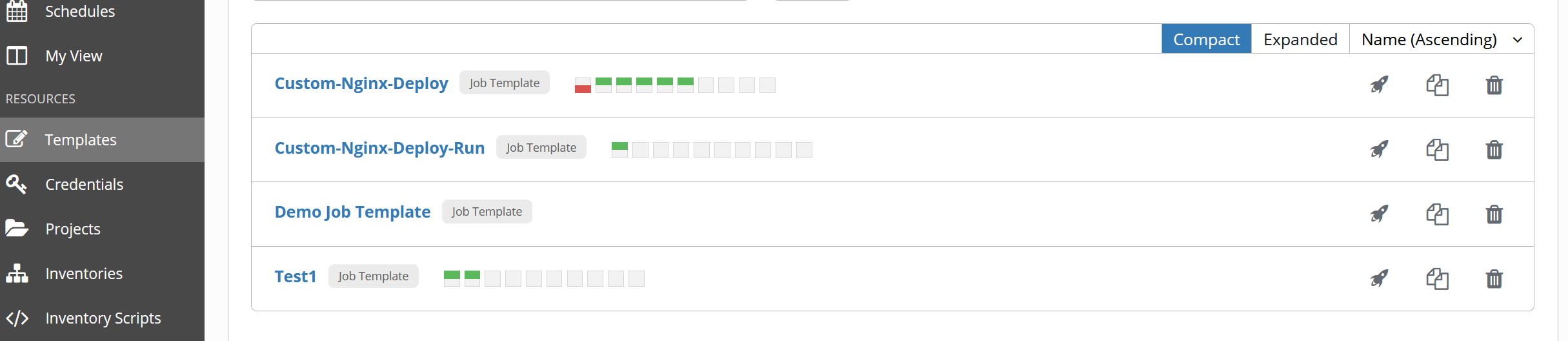
<https://github.com/mavrick202/ansibleawsnginx.git>

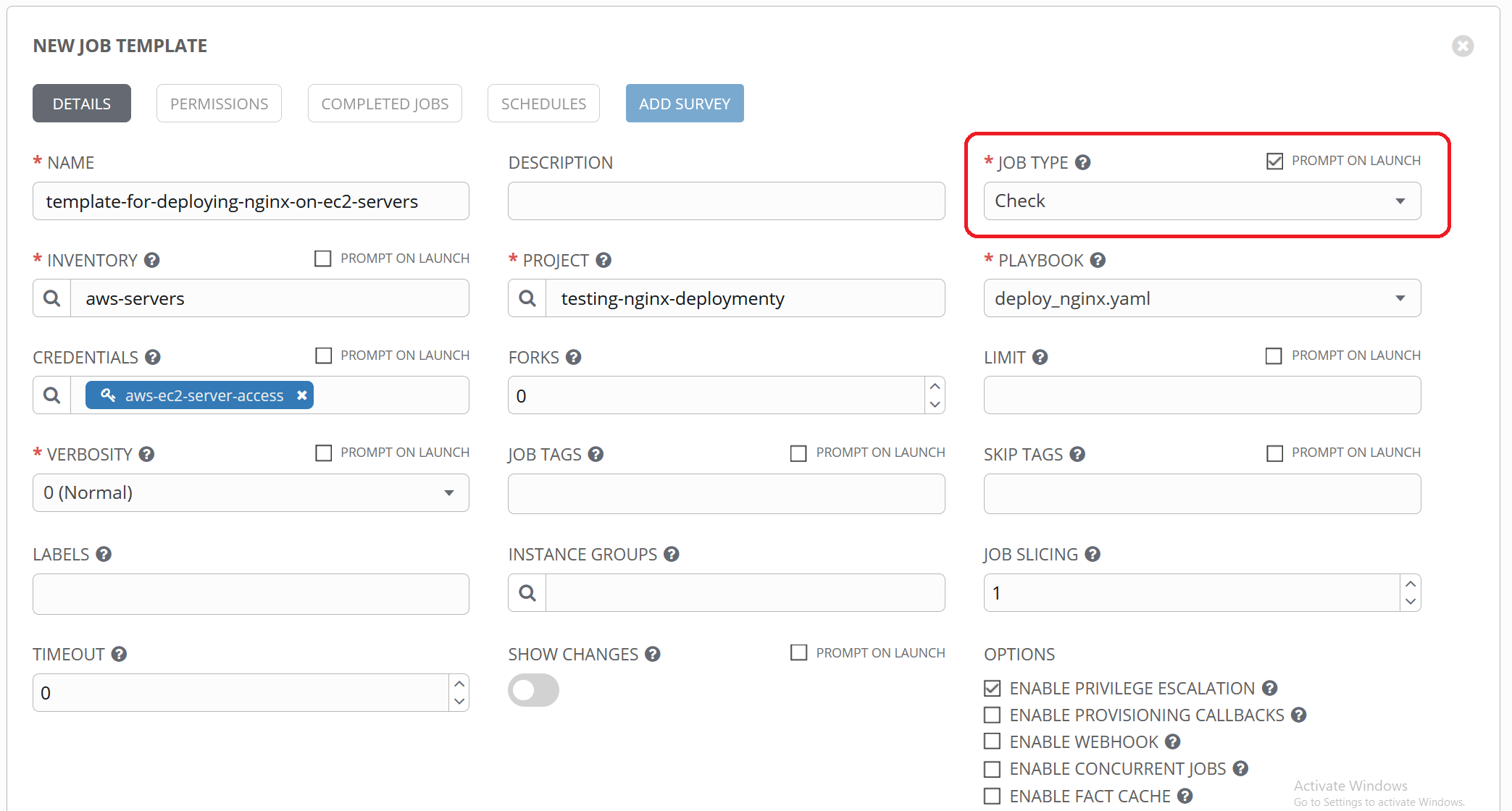




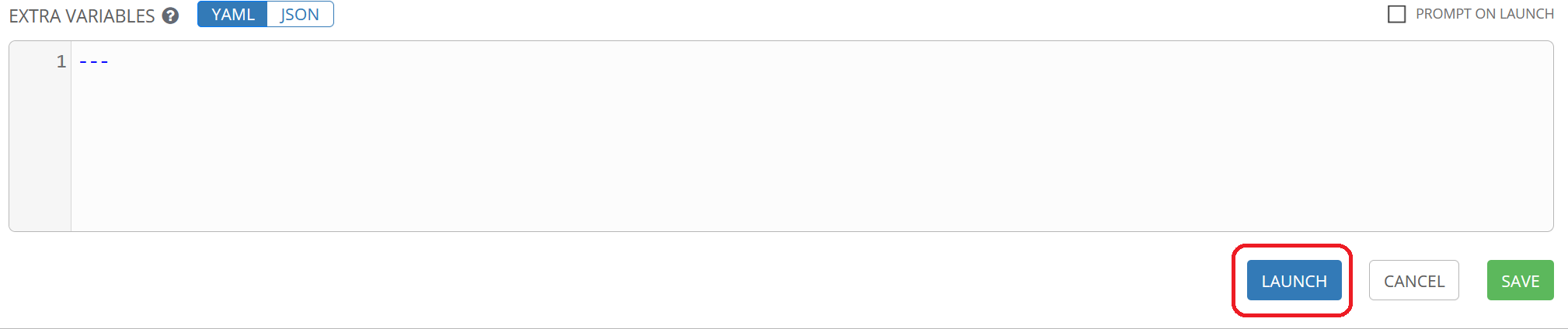


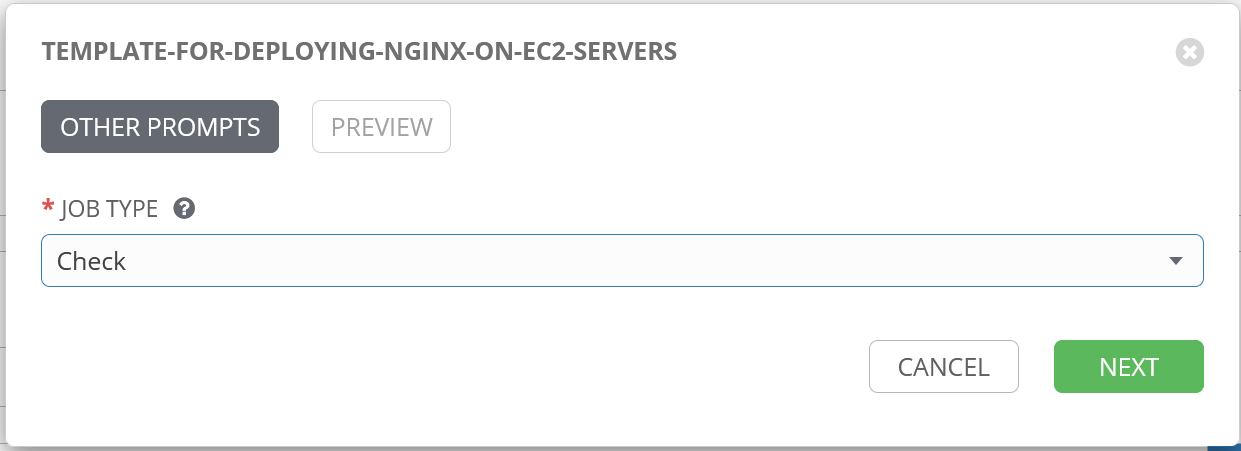
7. Create a template for the deployment of the project on the inventory you have selected.

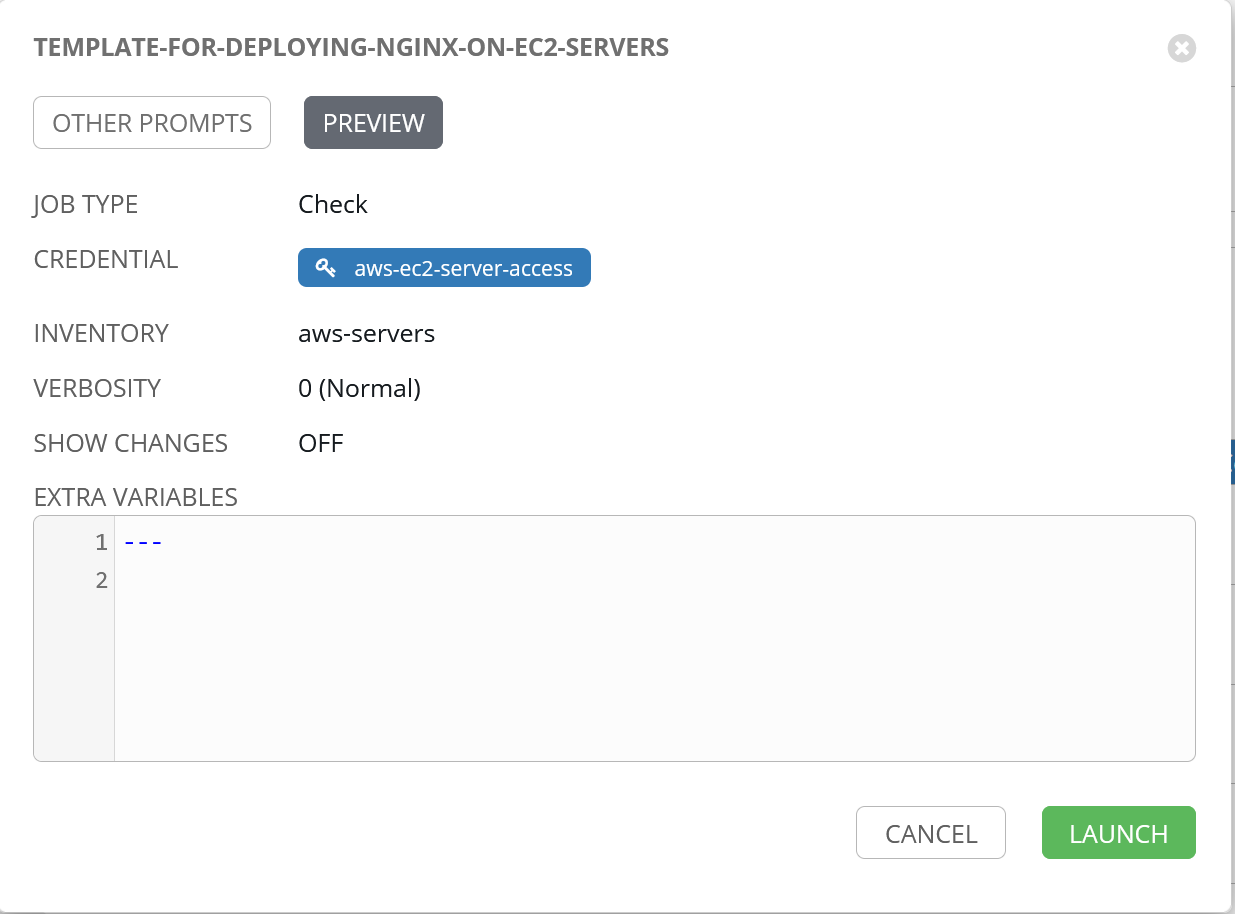




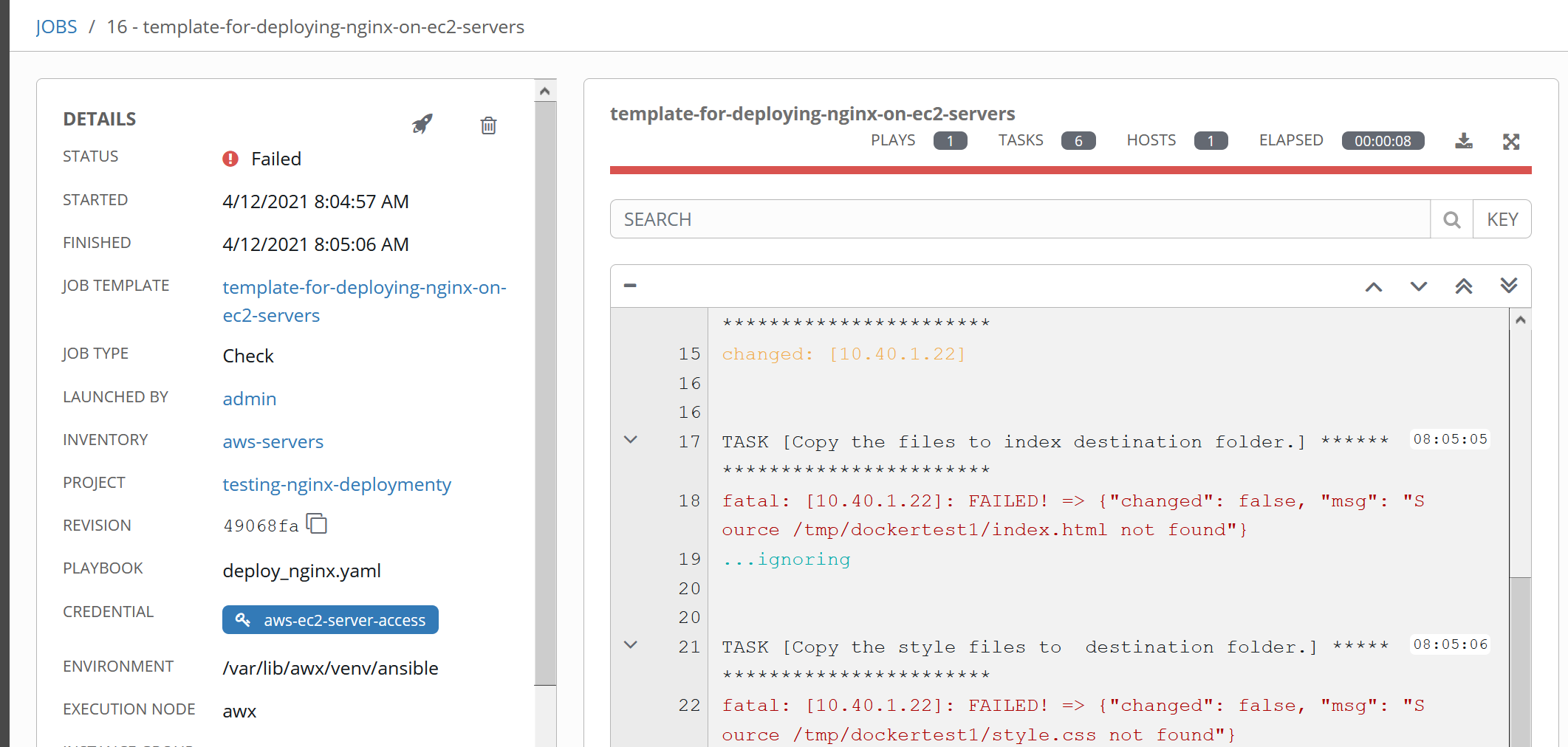
Save the above and Launch once saved.



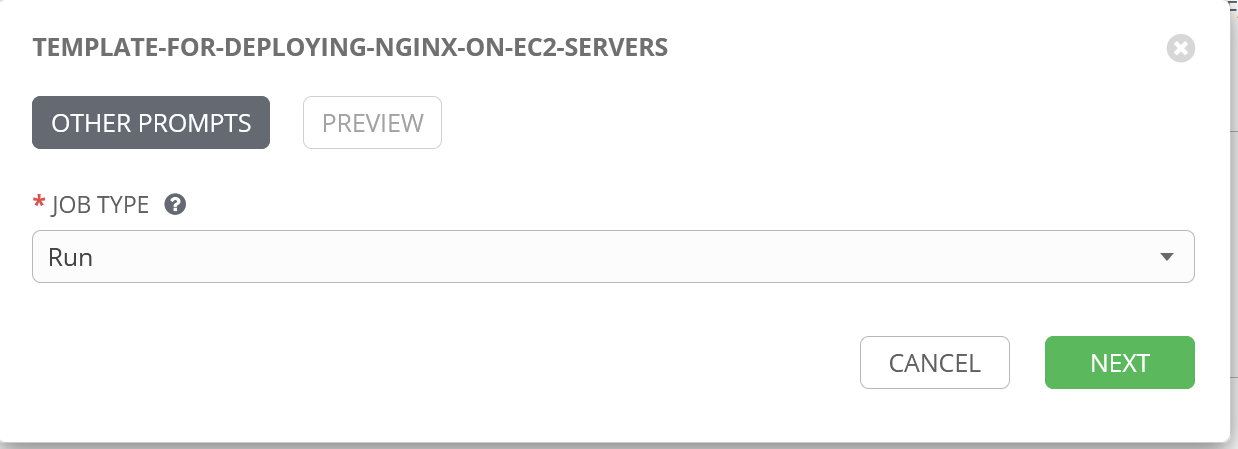


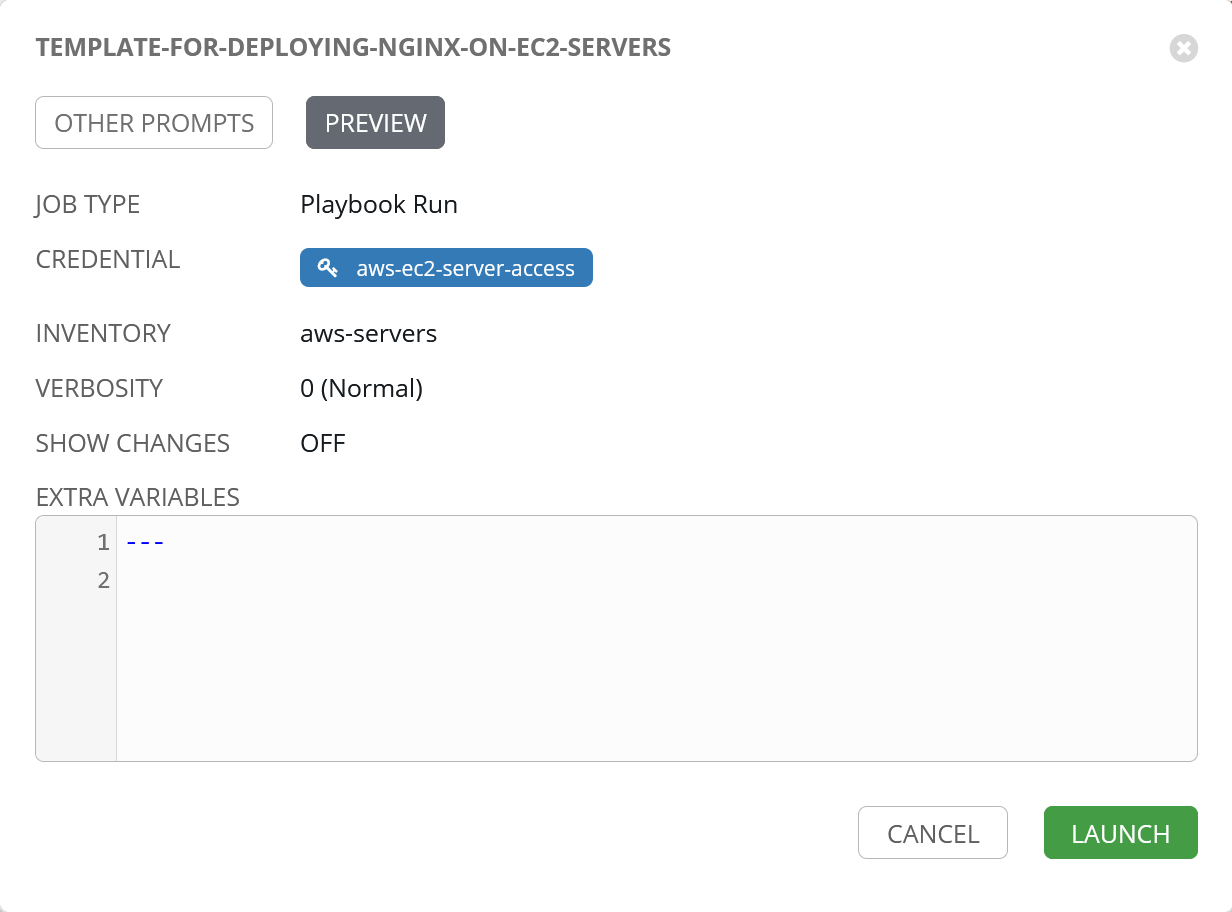


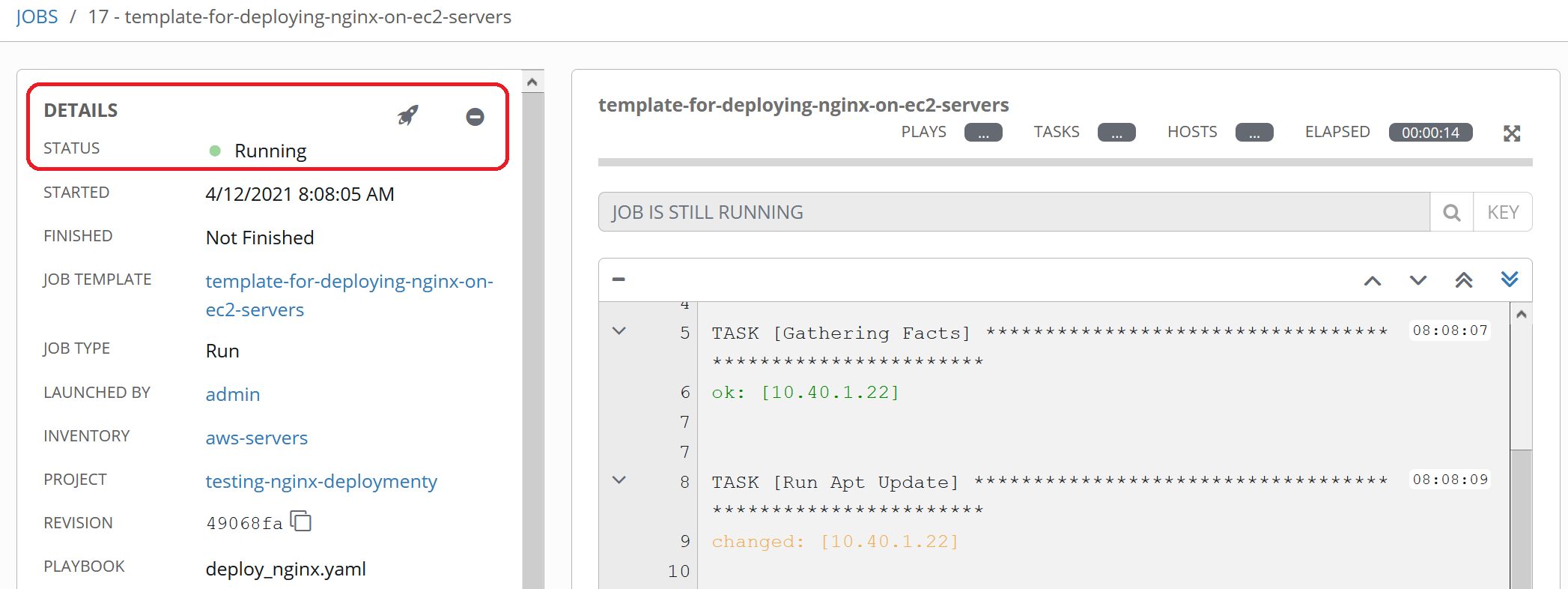
It will fail because the repo will not download during the CHECK phase.

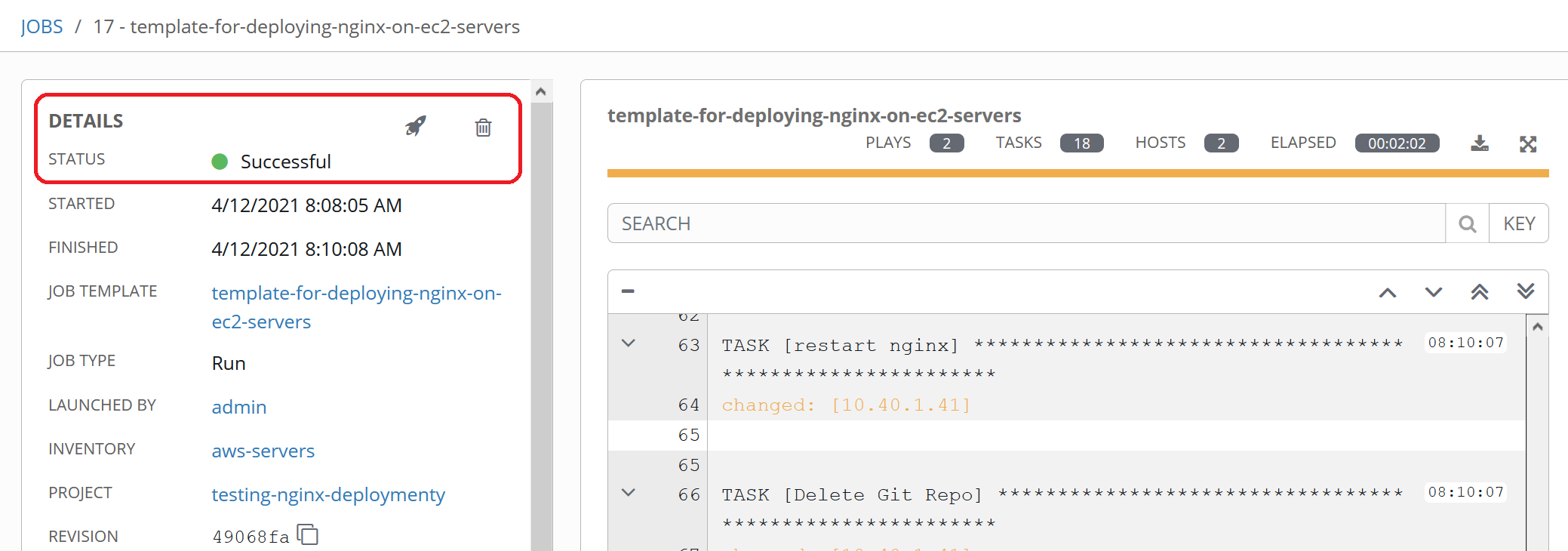


Launch Again and this time select RUN and verify.



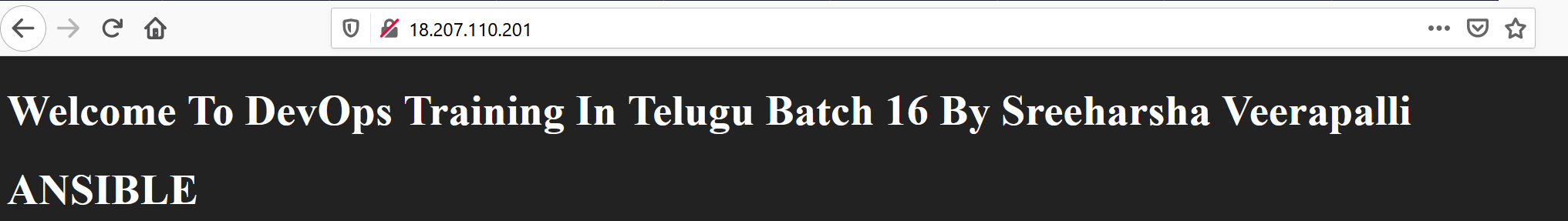




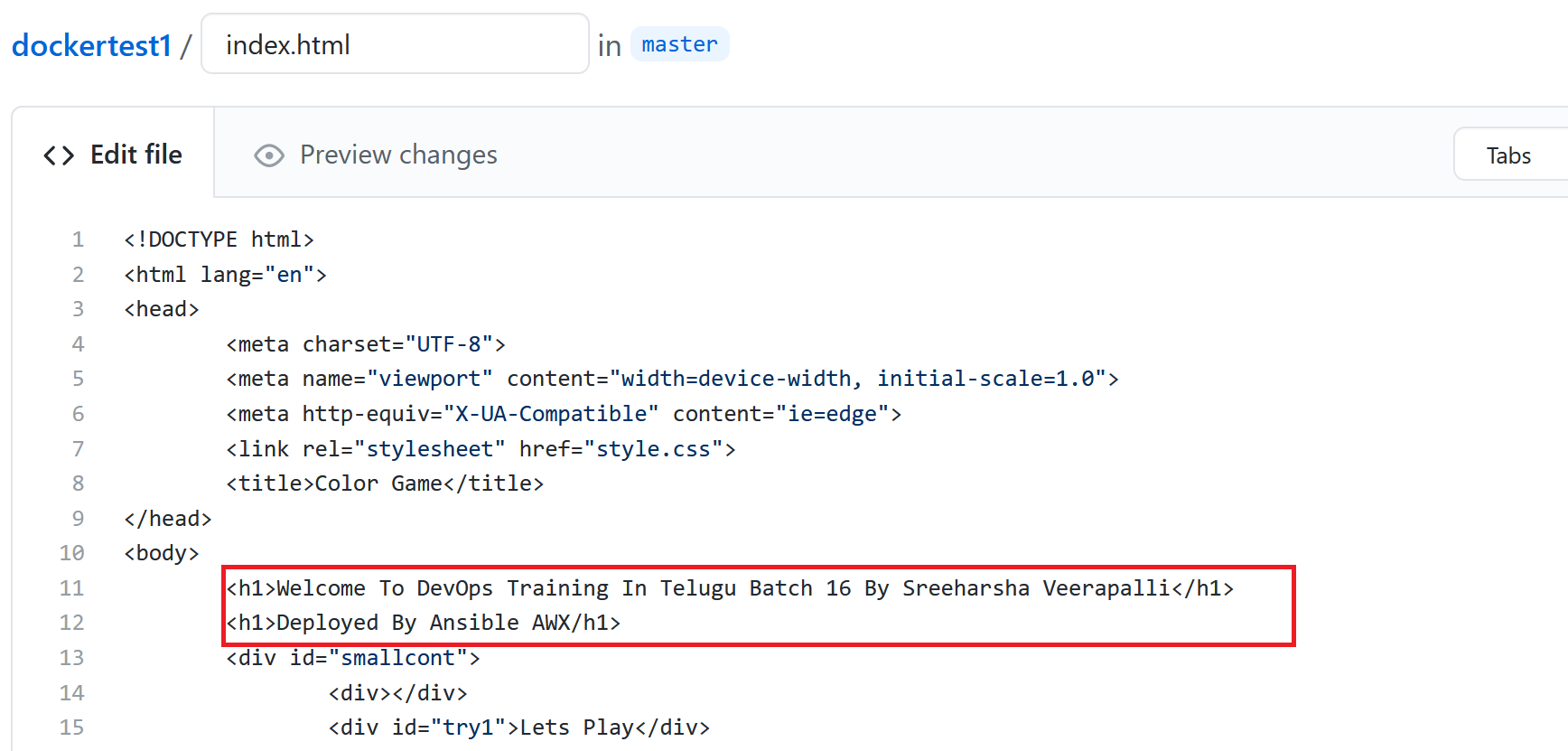


8. Verify the nginx is installed or not in the two EC2 Servers.

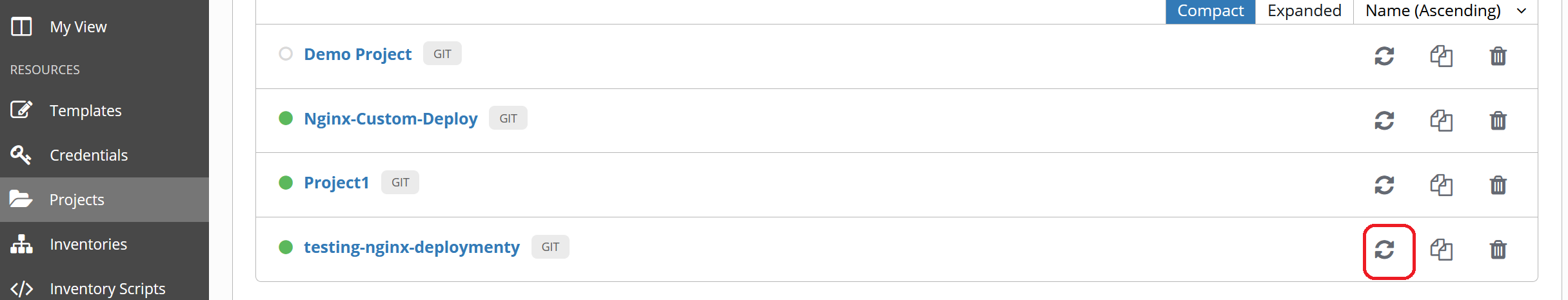




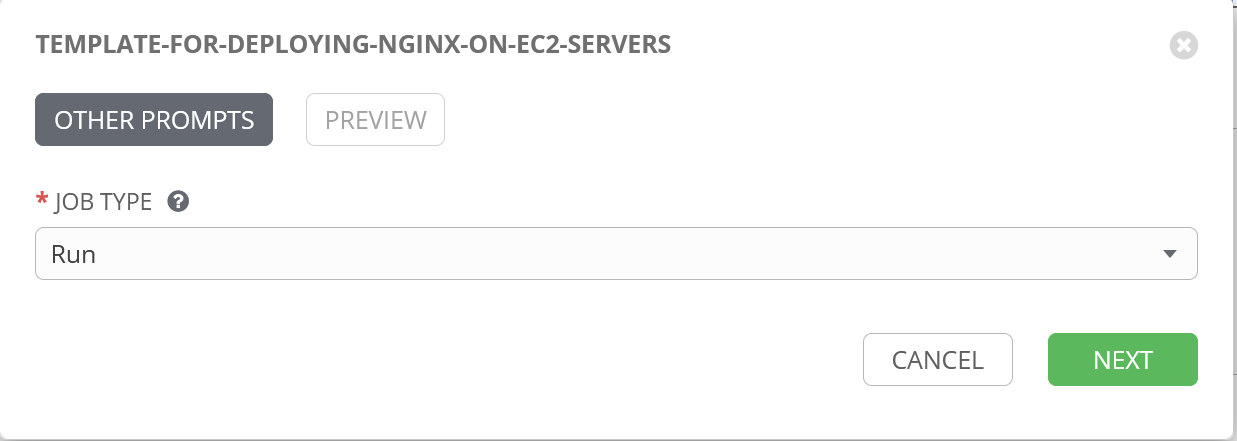
9. Update the main repo as following.

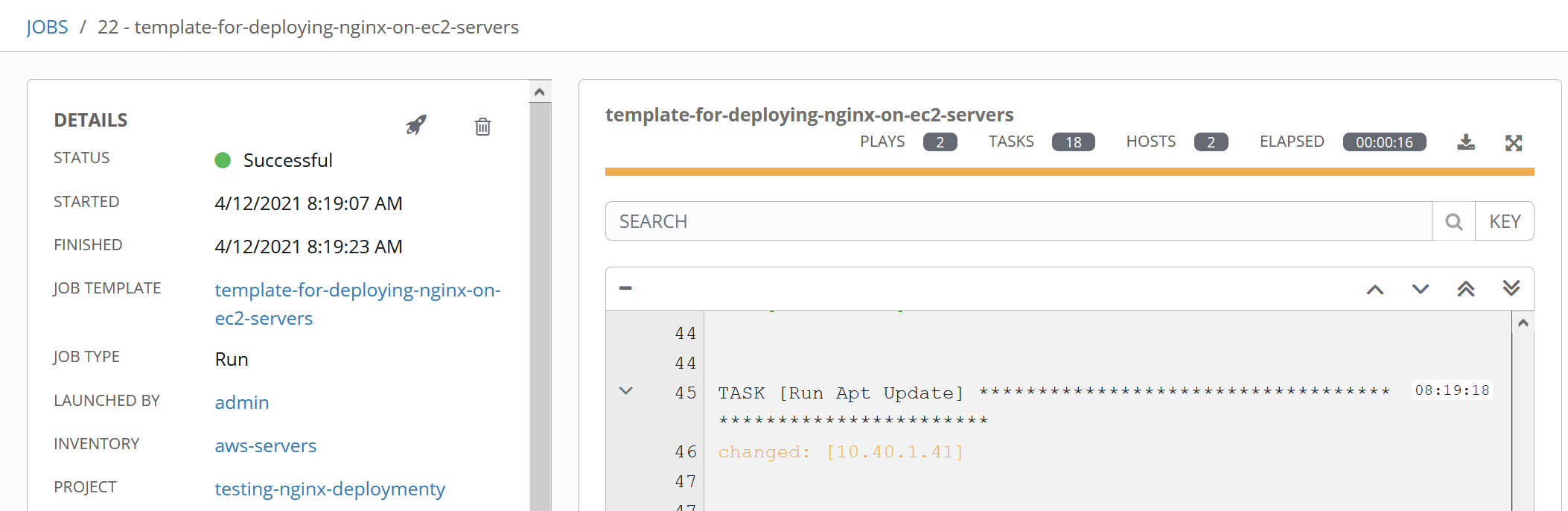


10. Re-Sync the project in AWX



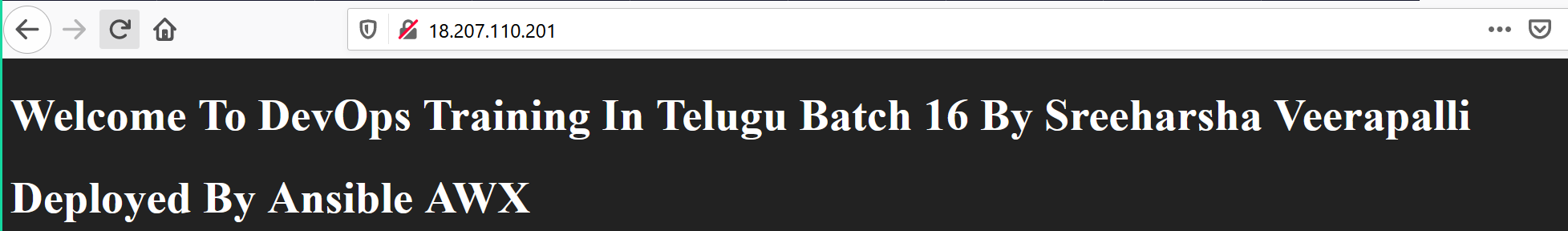
11. Launch the template again and Select “CHECK” and later “RUN”



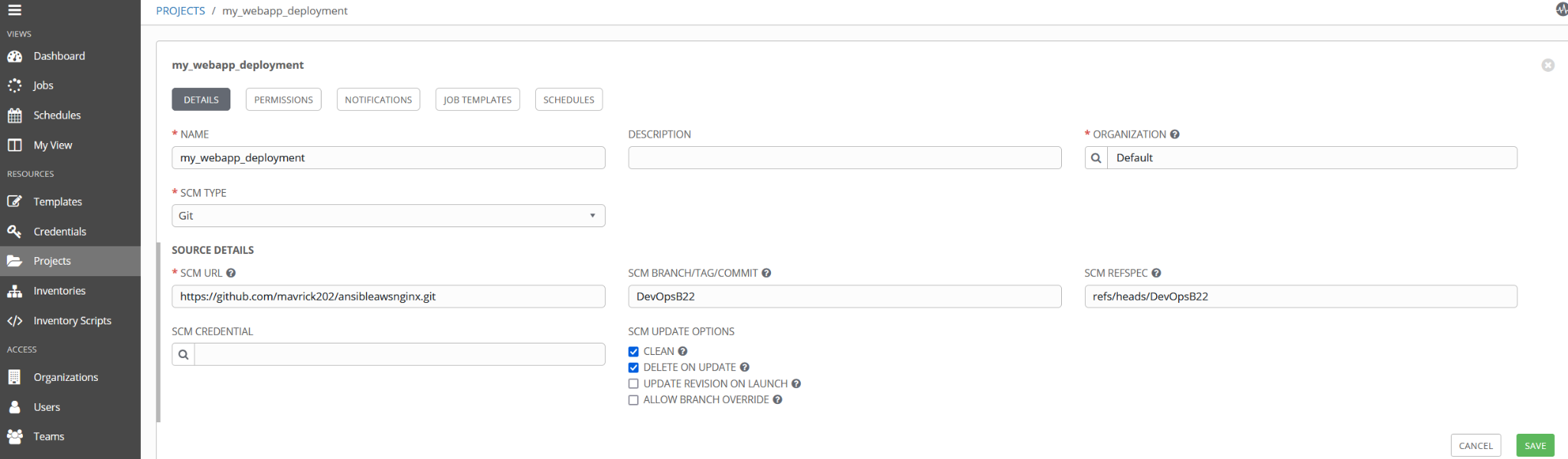


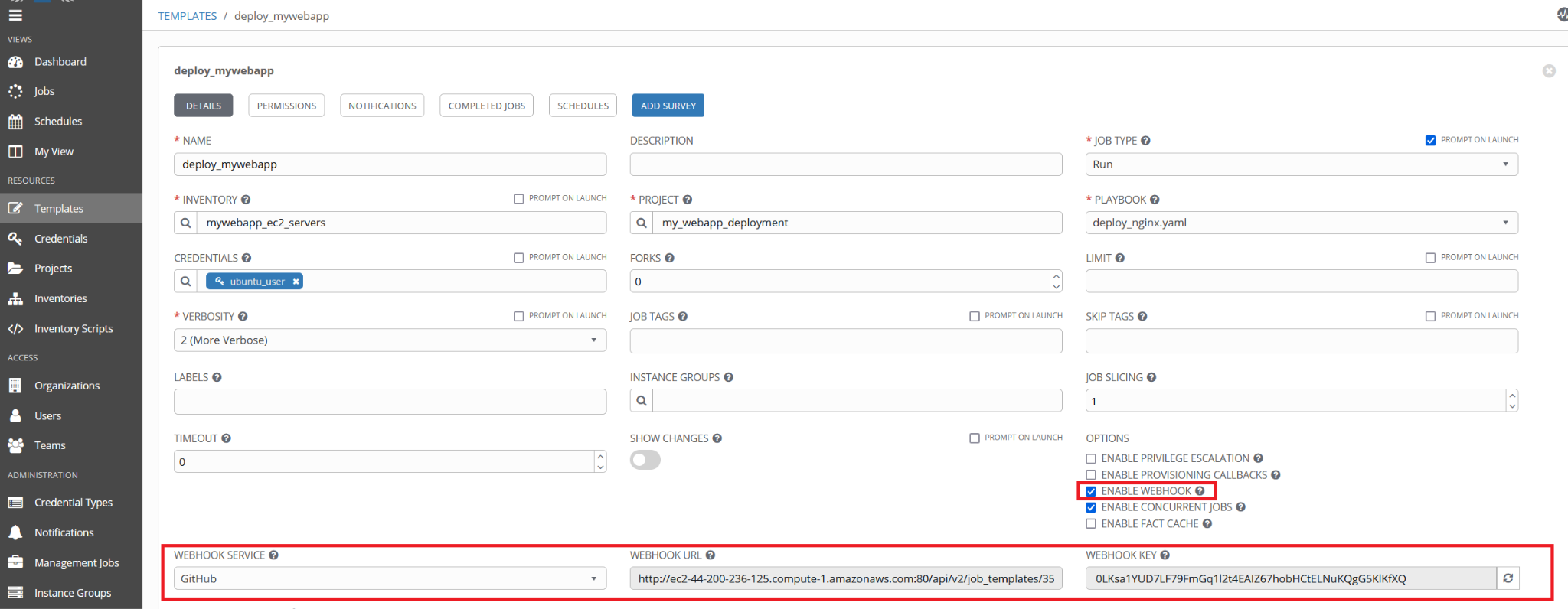
Changes visible as below:

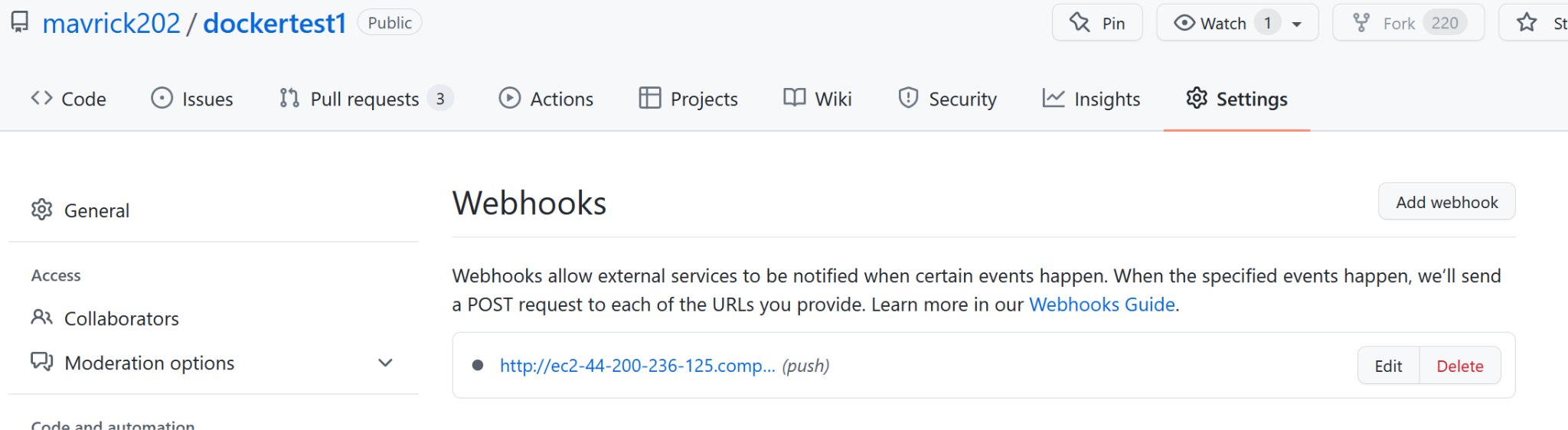


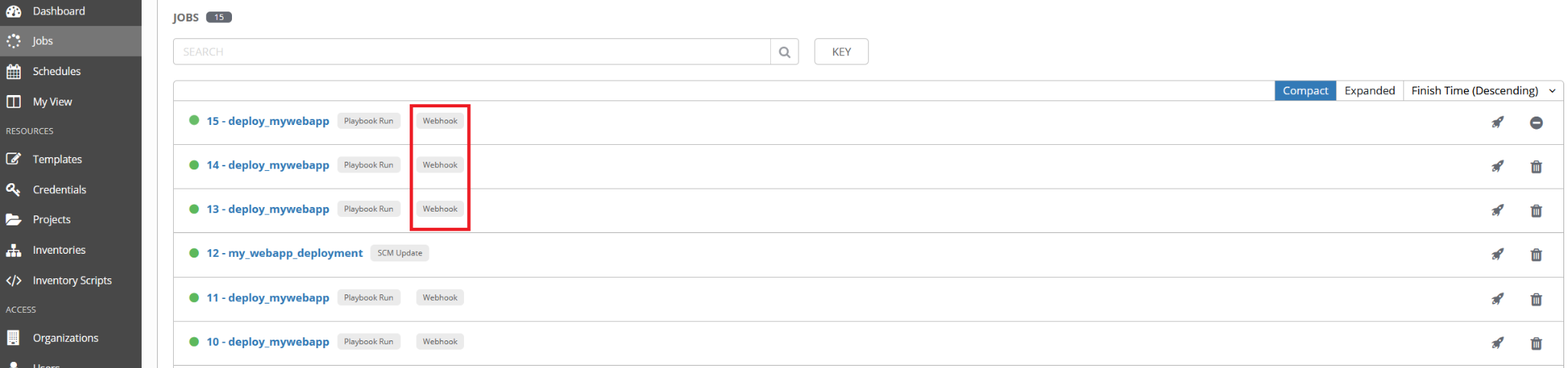


**Webhook Configuration:**









--------------------------------ANSIBLE-TOWER-VIDEOS----------------------------------------------

https://www.youtube.com/watch?v=wZ\_mh4-4HPY&list=PLnrmLjoInKWj4a7xu84\_Z0\_TiVlDCd0wq

https://www.youtube.com/watch?v=ToXoDdUOzj8&list=PLnrmLjoInKWj4a7xu84\_Z0\_TiVlDCd0wq&index=2

https://www.youtube.com/watch?v=jq\_yzGuKPfA&list=PLnrmLjoInKWj4a7xu84\_Z0\_TiVlDCd0wq&index=8

https://www.youtube.com/playlist?list=PLnrmLjoInKWj4a7xu84\_Z0\_TiVlDCd0wq