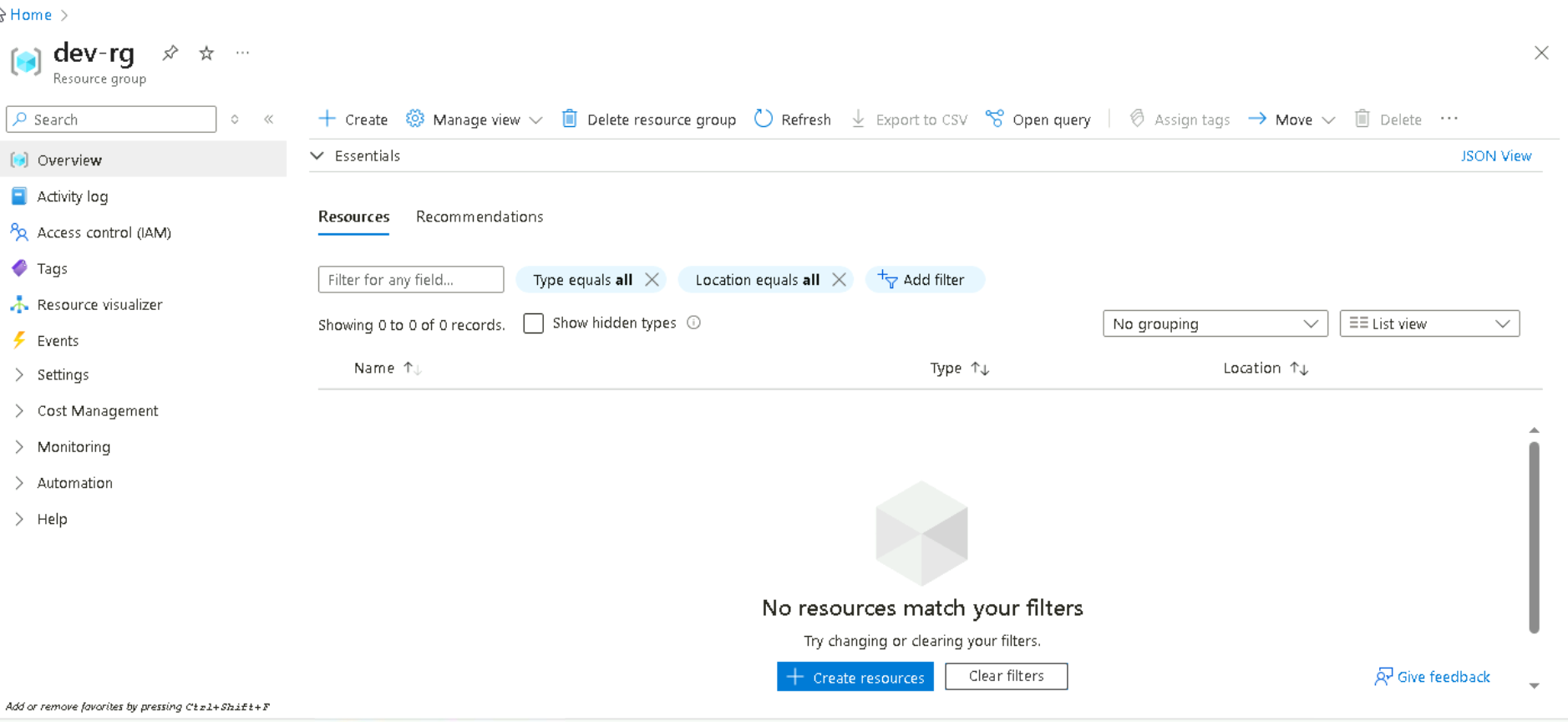
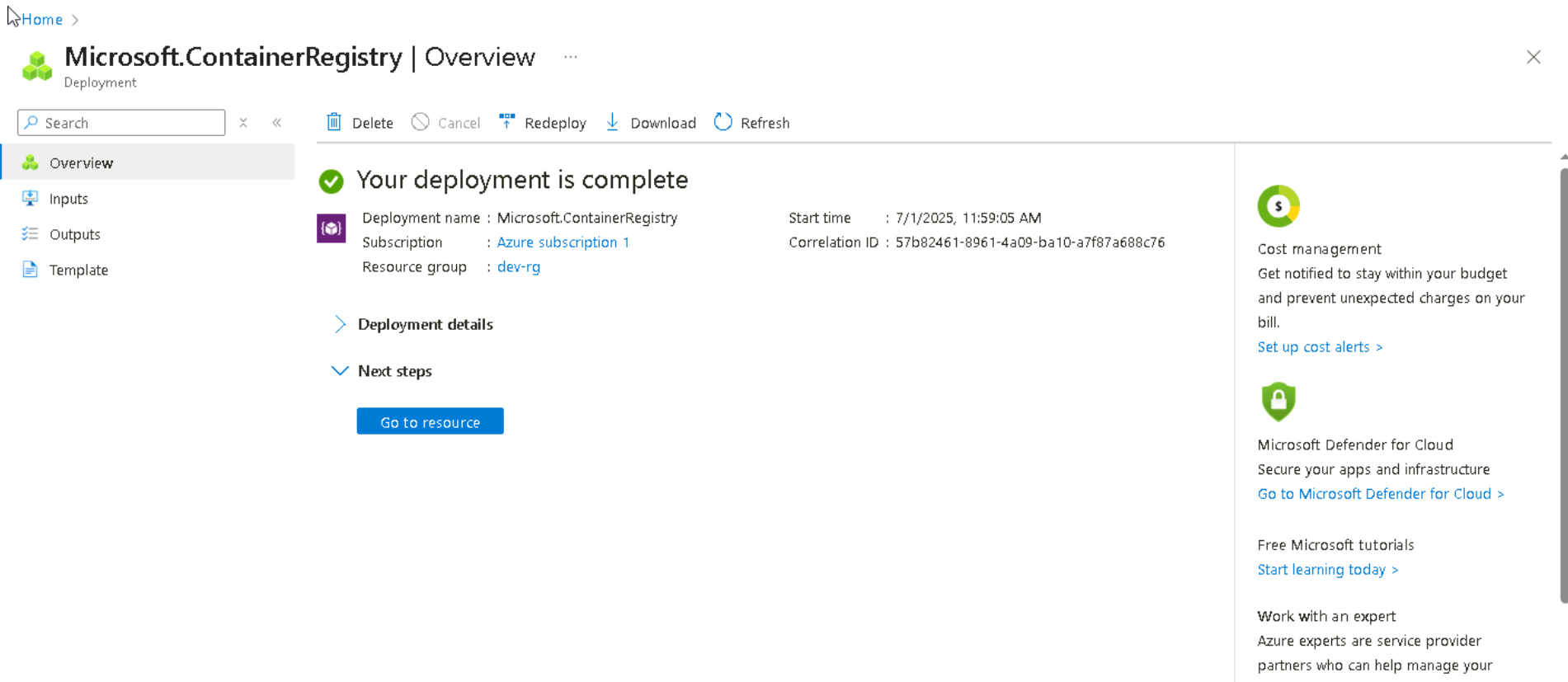
Name: Devanarayanan TM

**PROVISIONING RESOURCES**

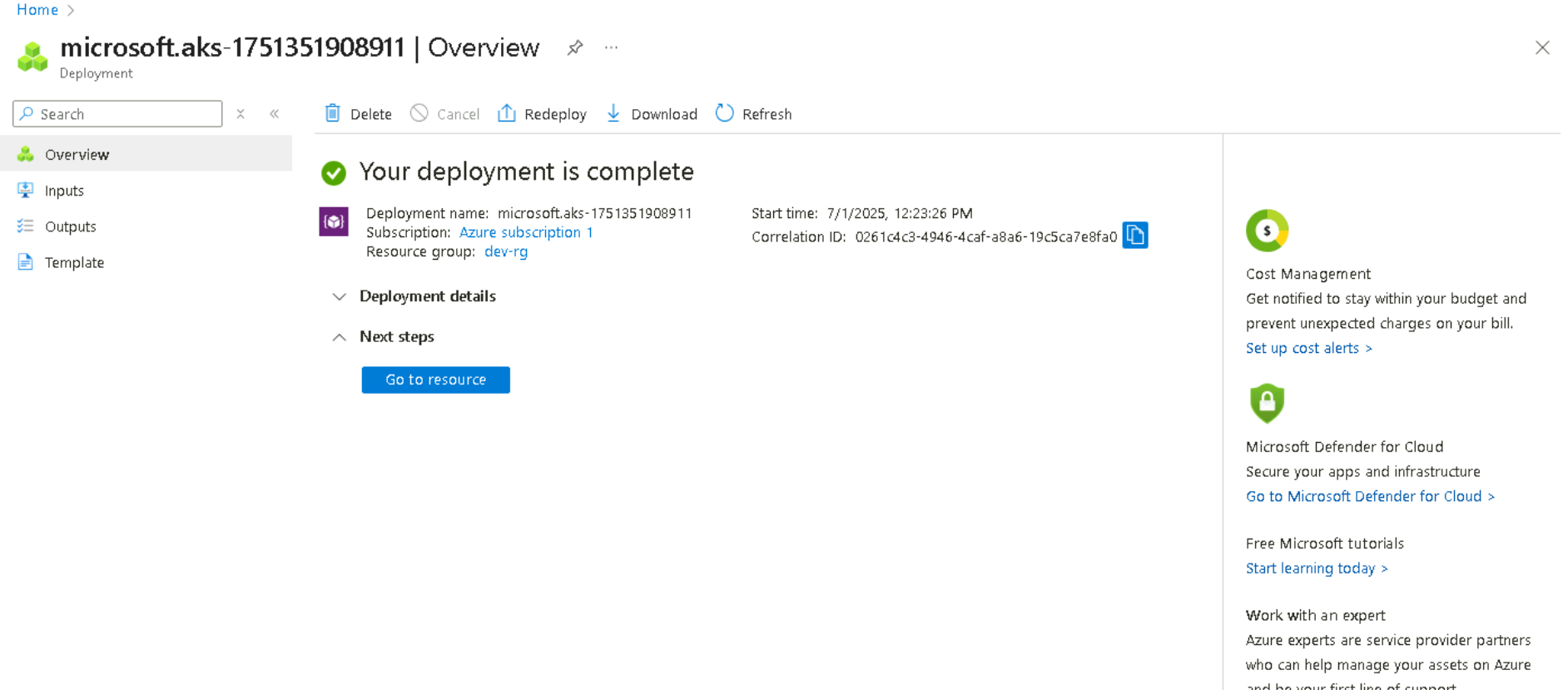
Created resource group



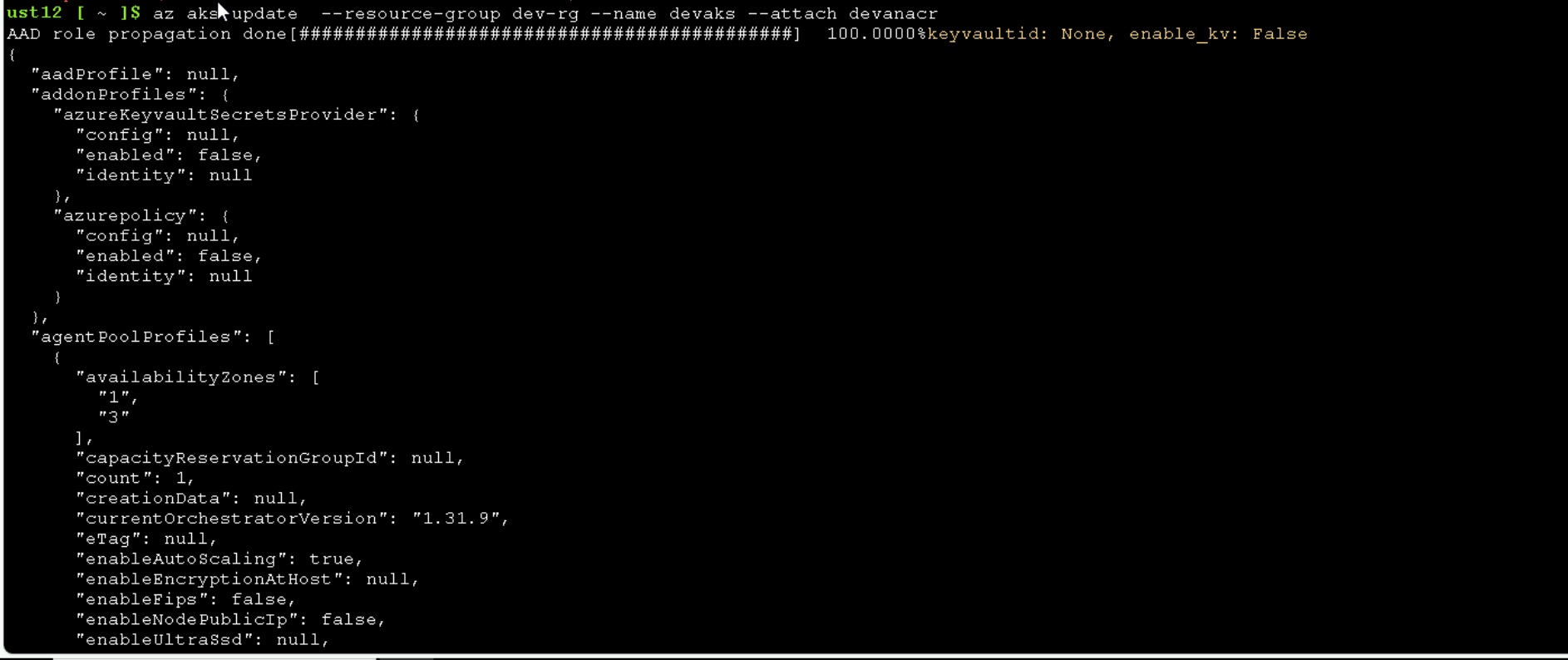
Created container registry (ACR)



Created an AKS cluster

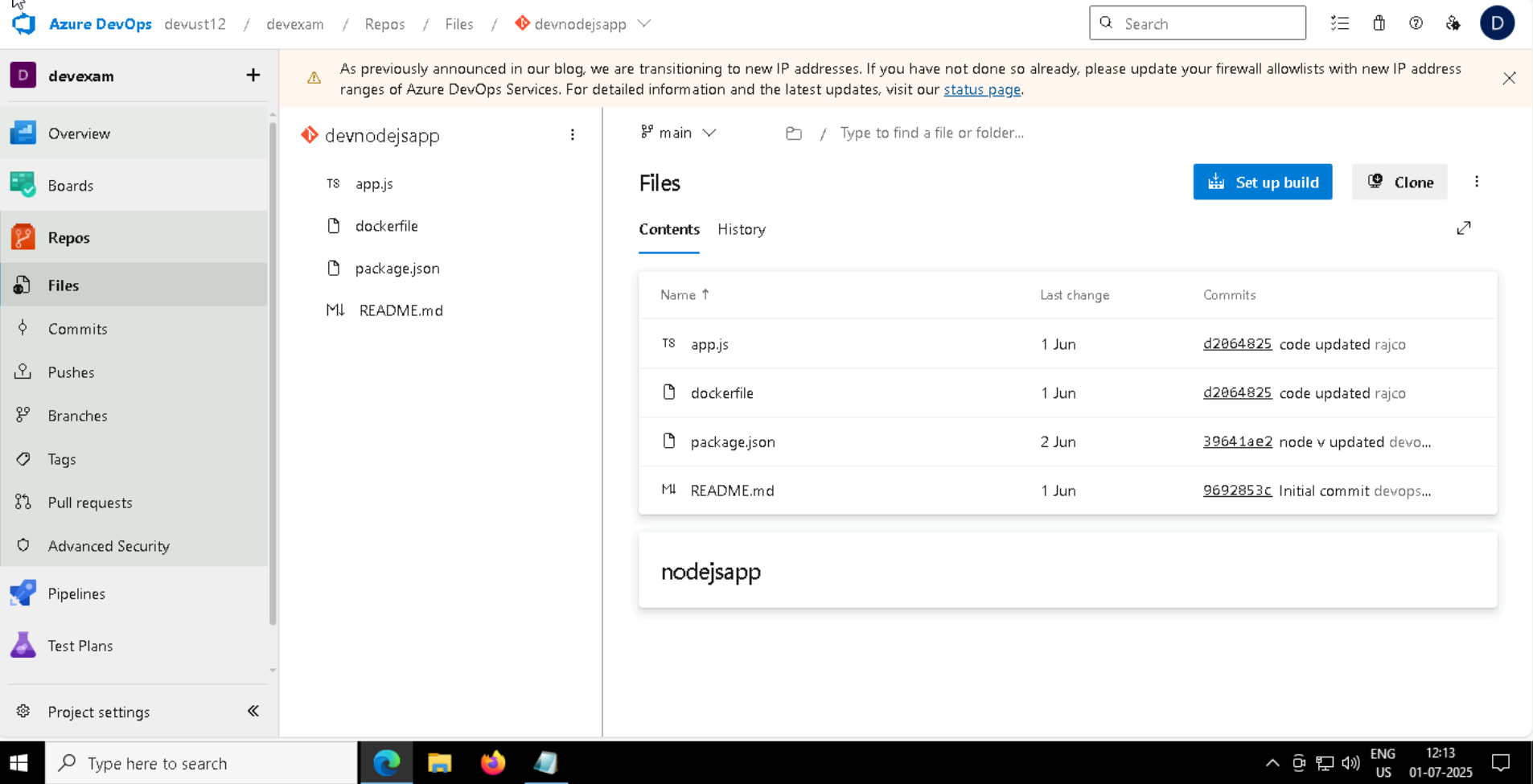


Integrated acr with aks

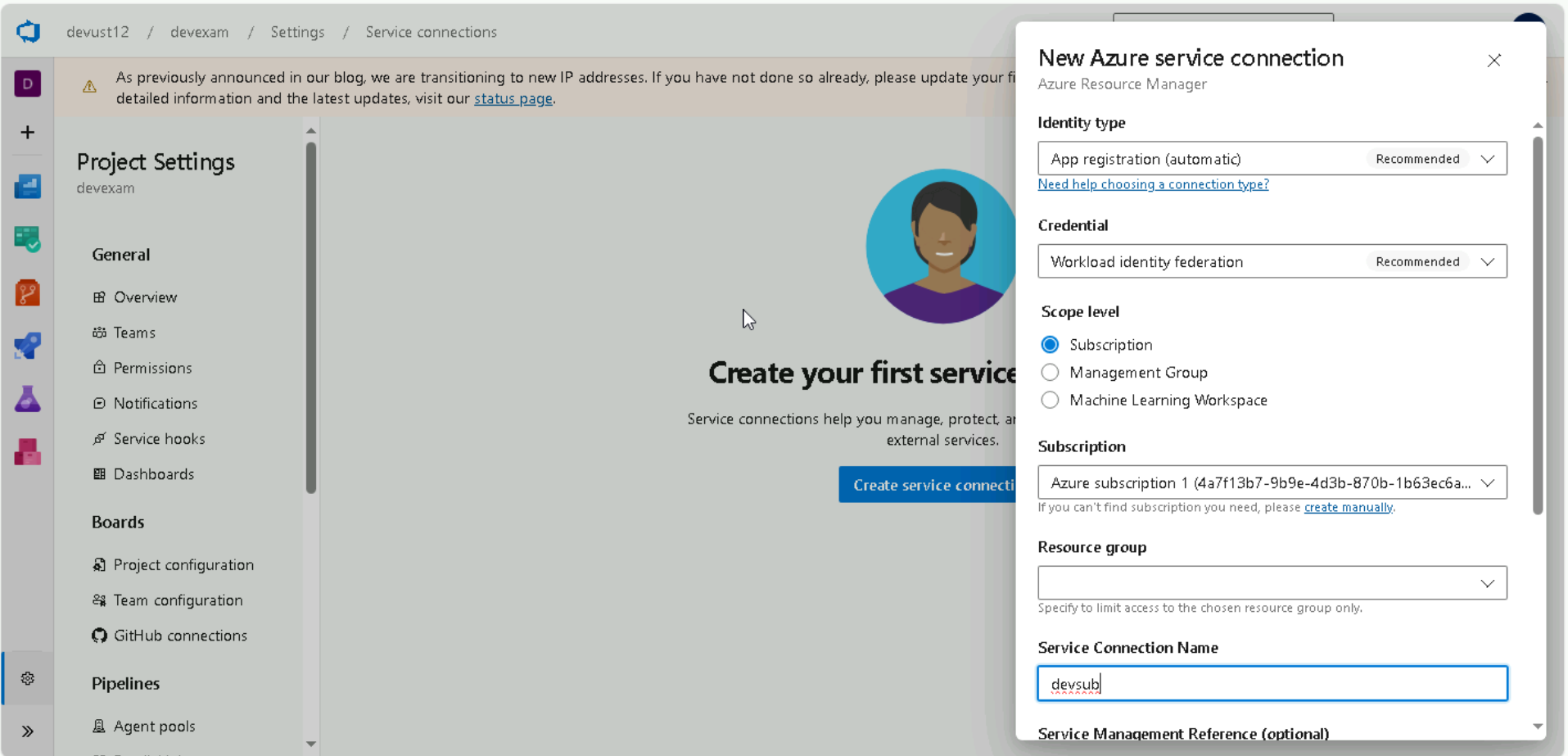


**SET UP AZUREDEVOPS**

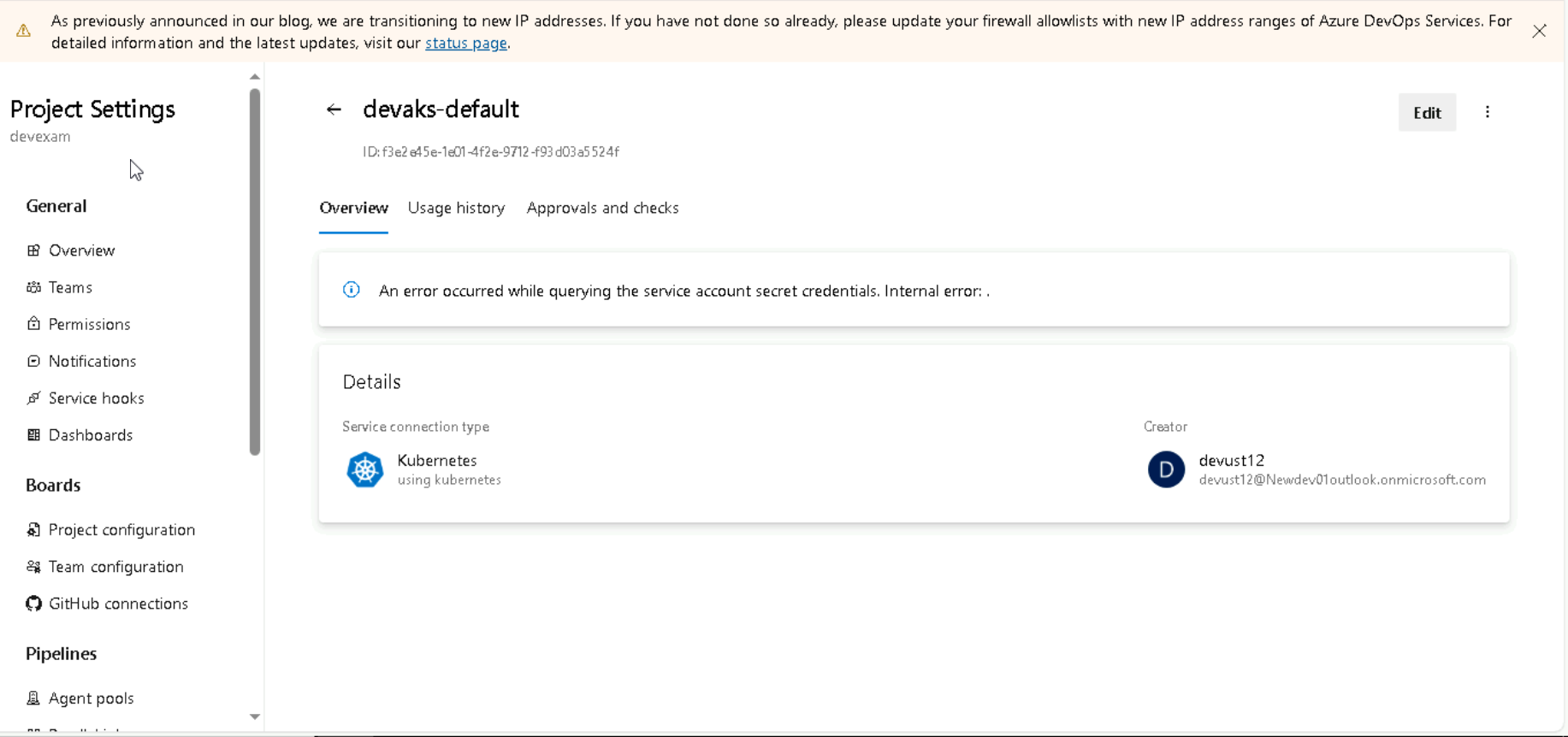
Clone the repo



Created Service Connection for subscription

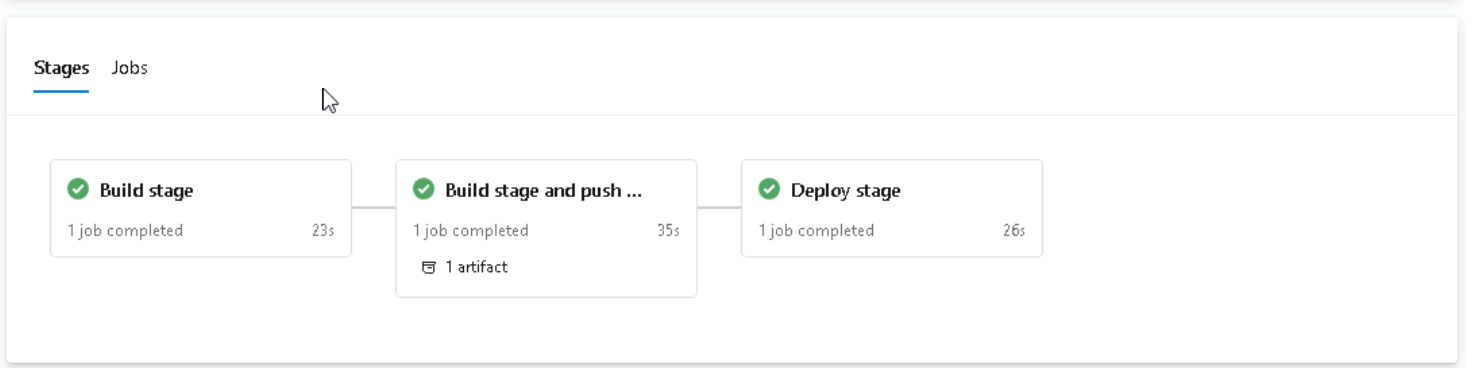


Service connection for the Kubernetes cluster



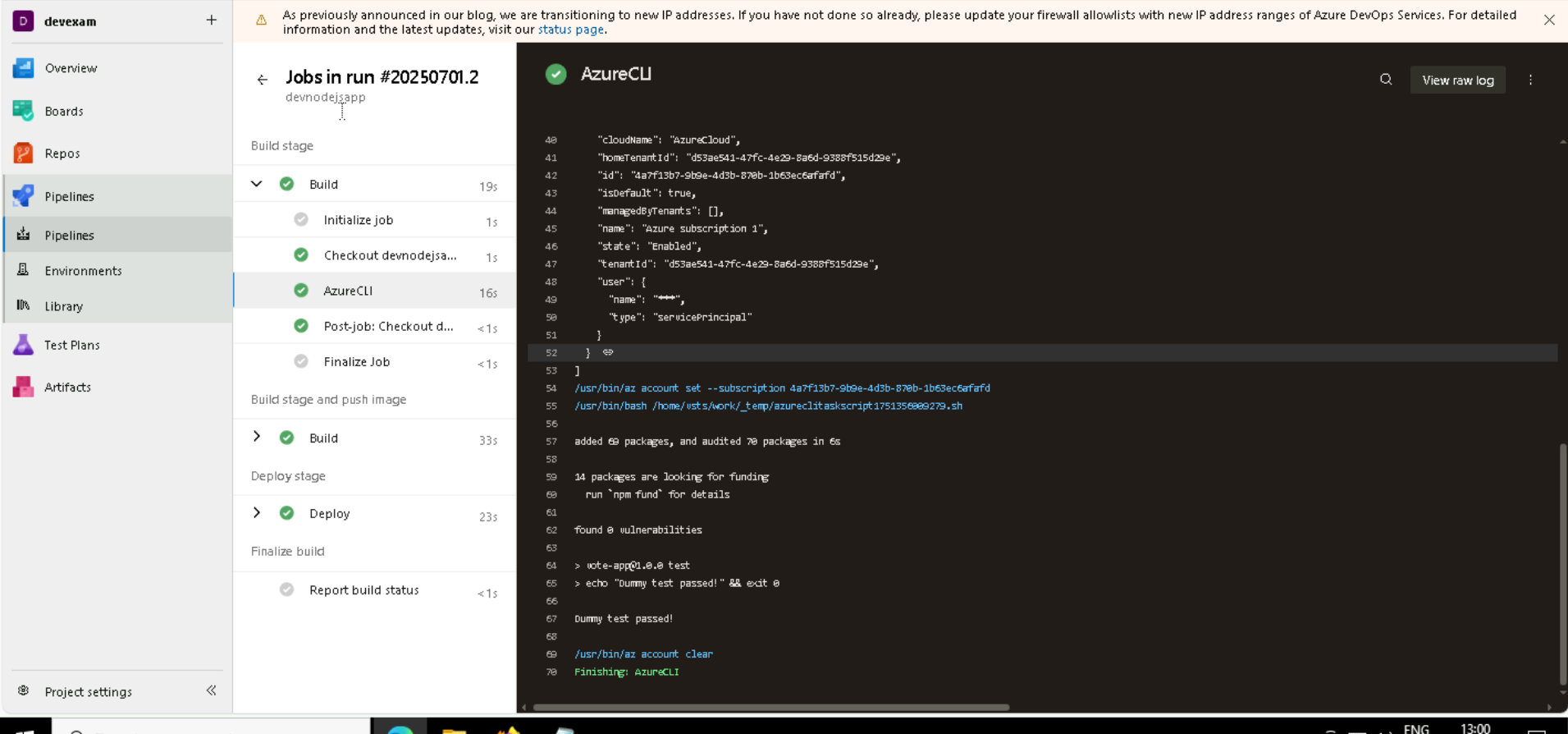
**Pipeline execution:**

3 stages in the pipeline

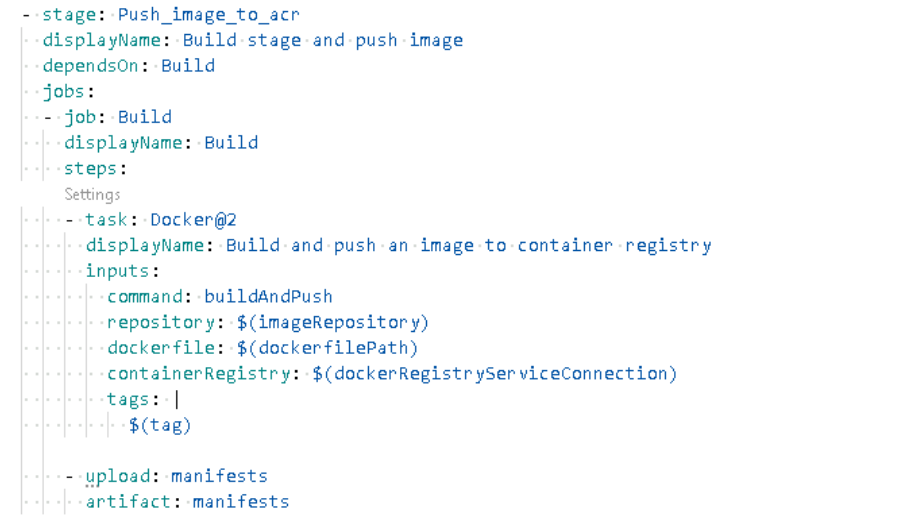
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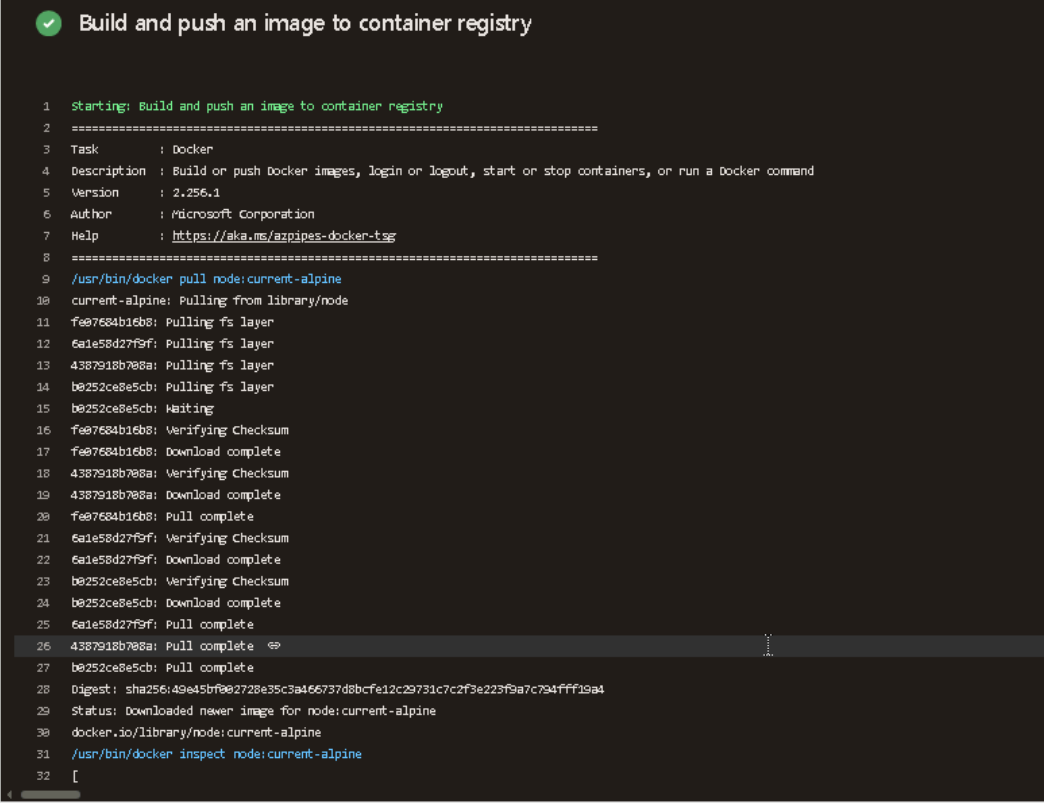
1. **BUILD STAGE**

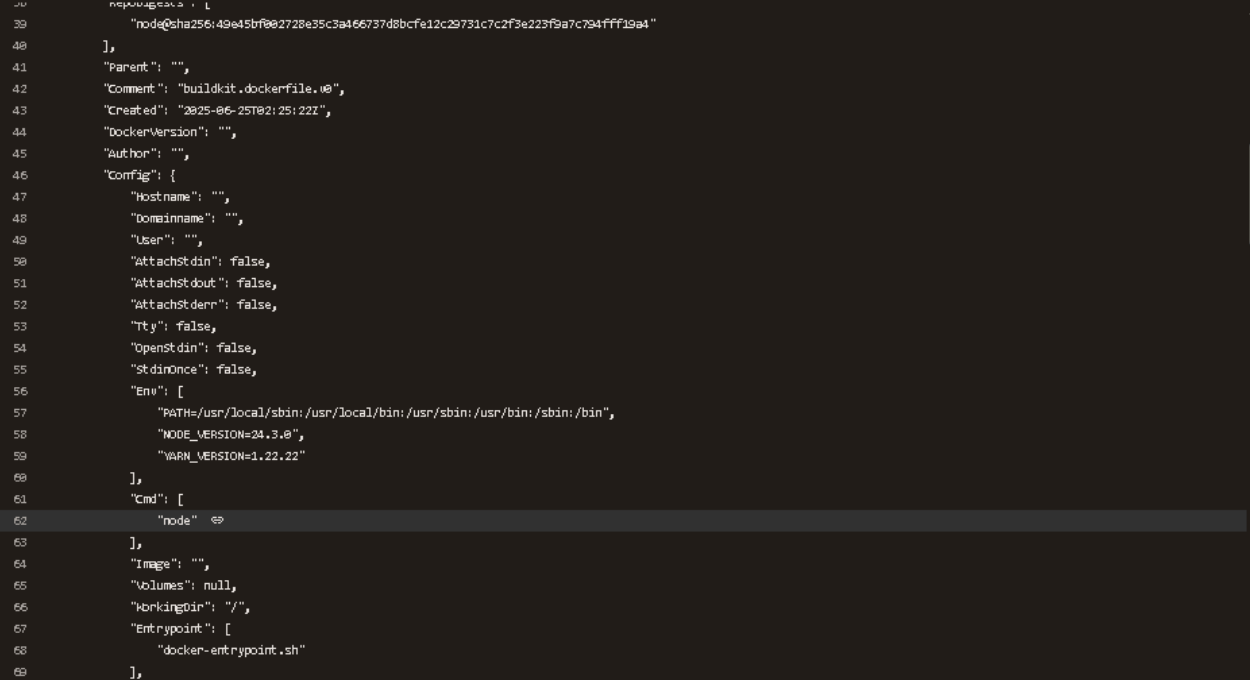
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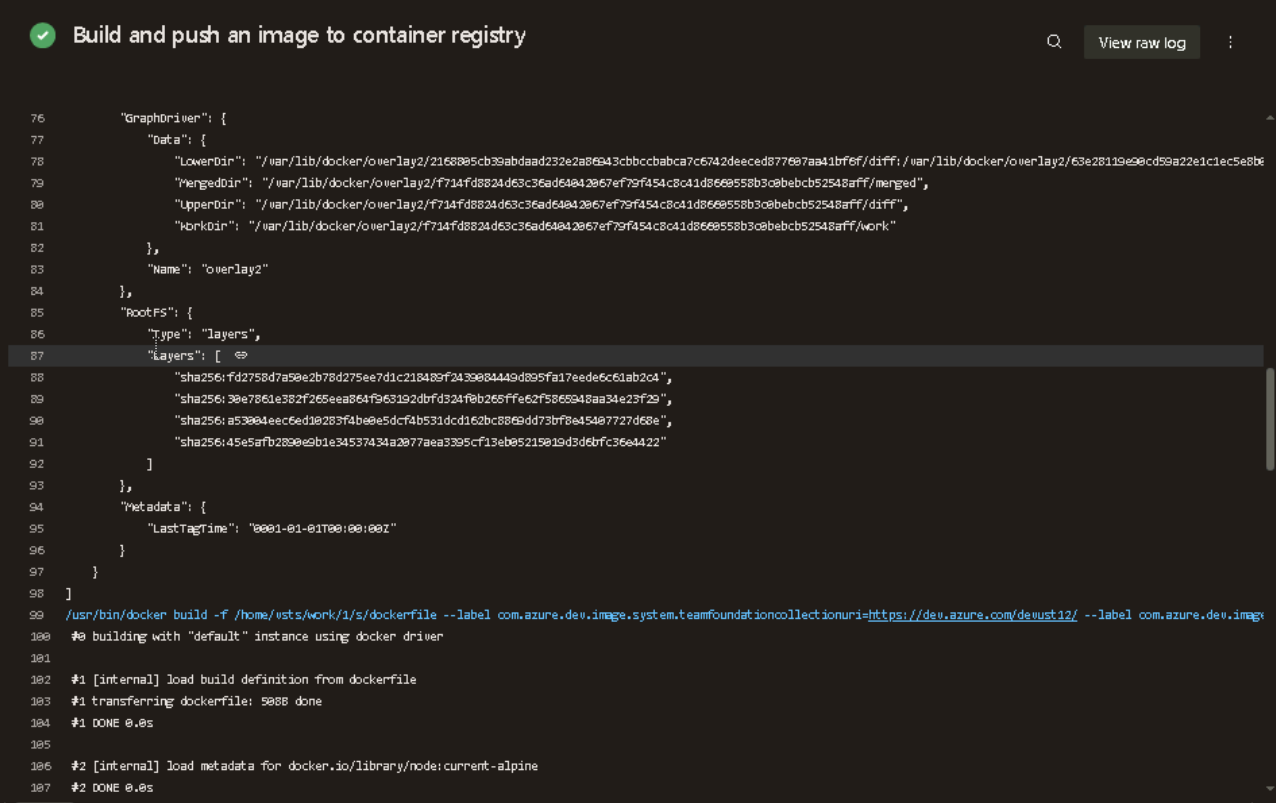


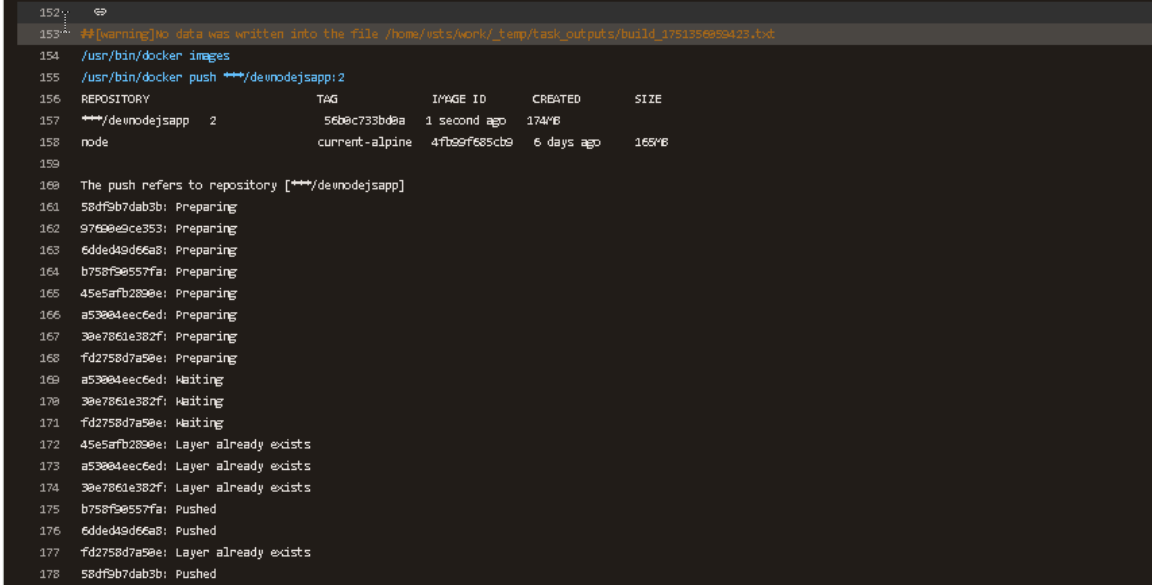
1. **PUSH TO ACR**

****



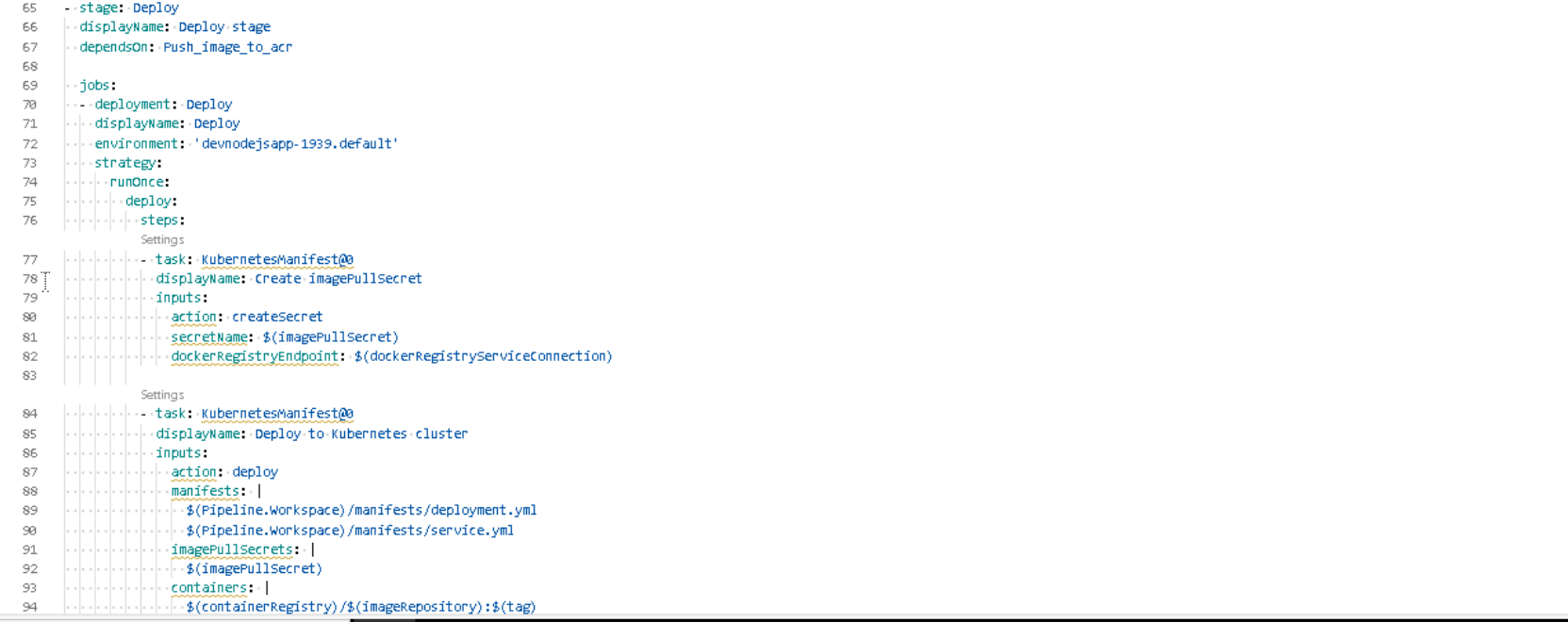


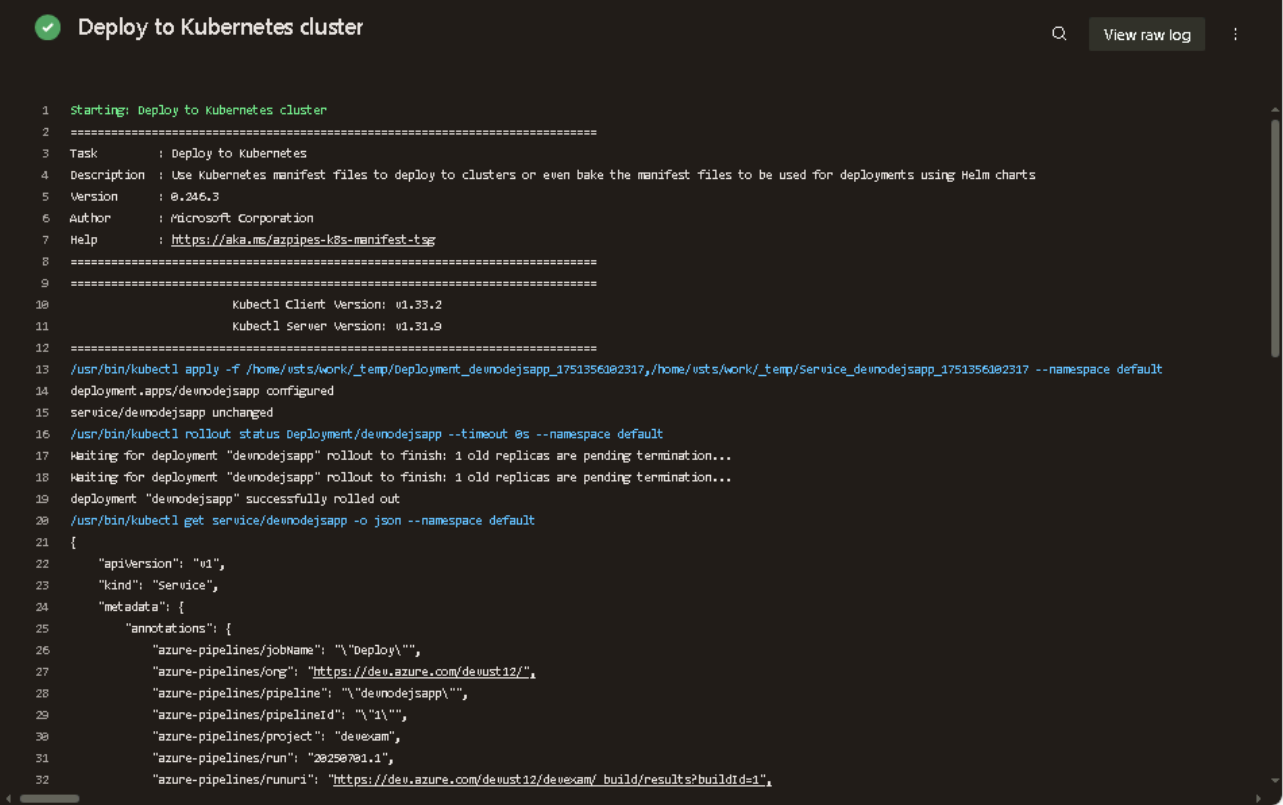


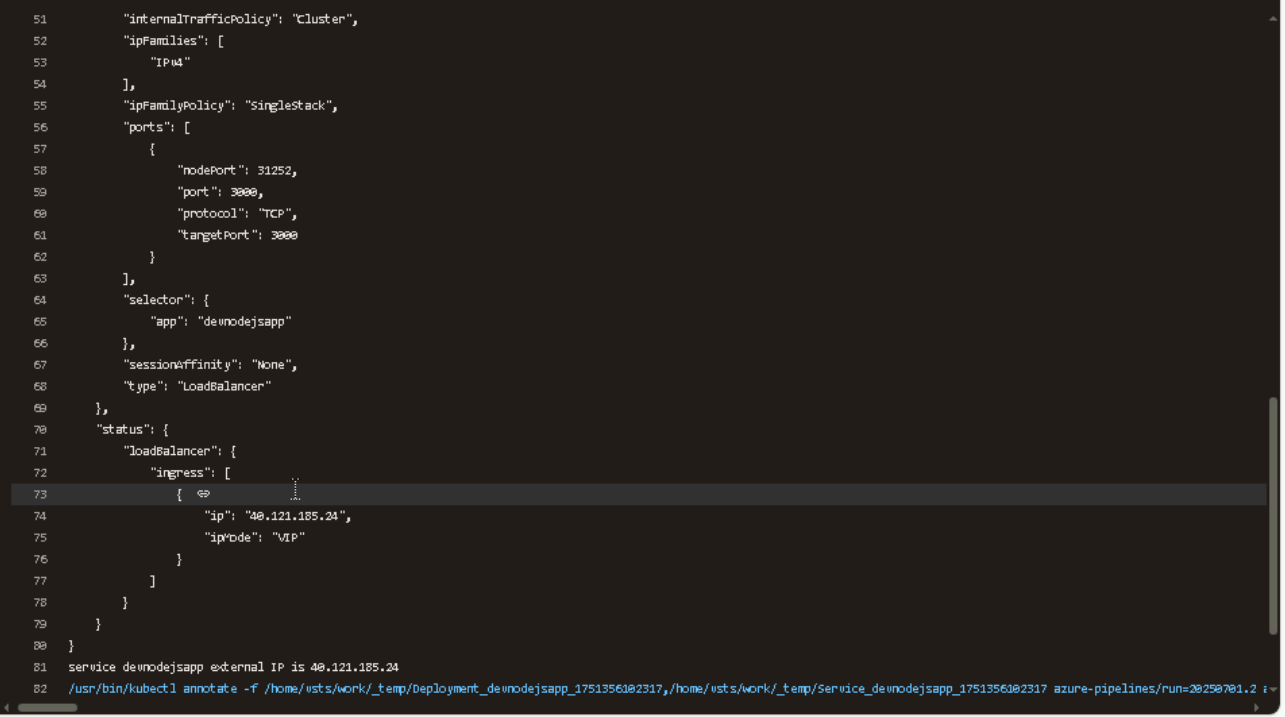




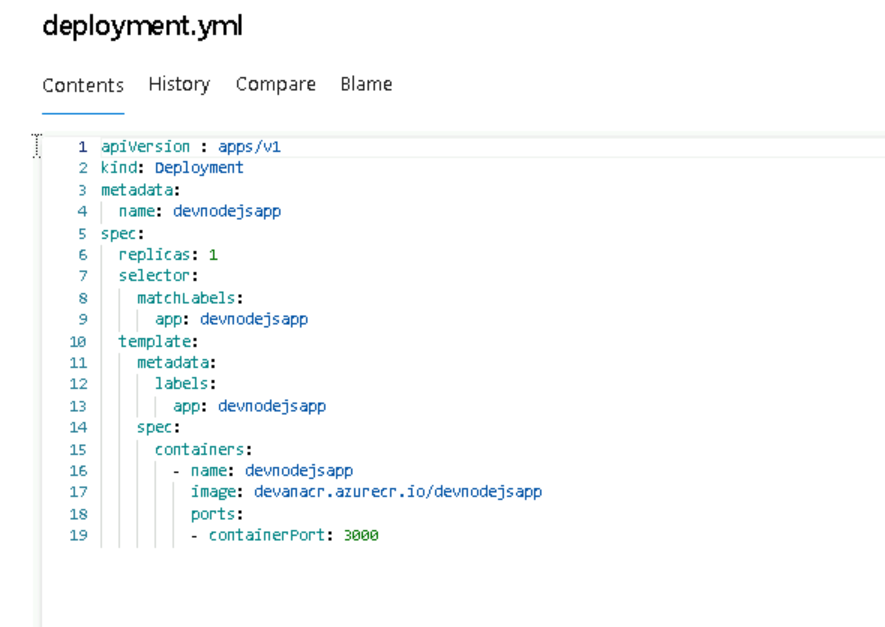
1. **DEPLOY TO AKS**

****

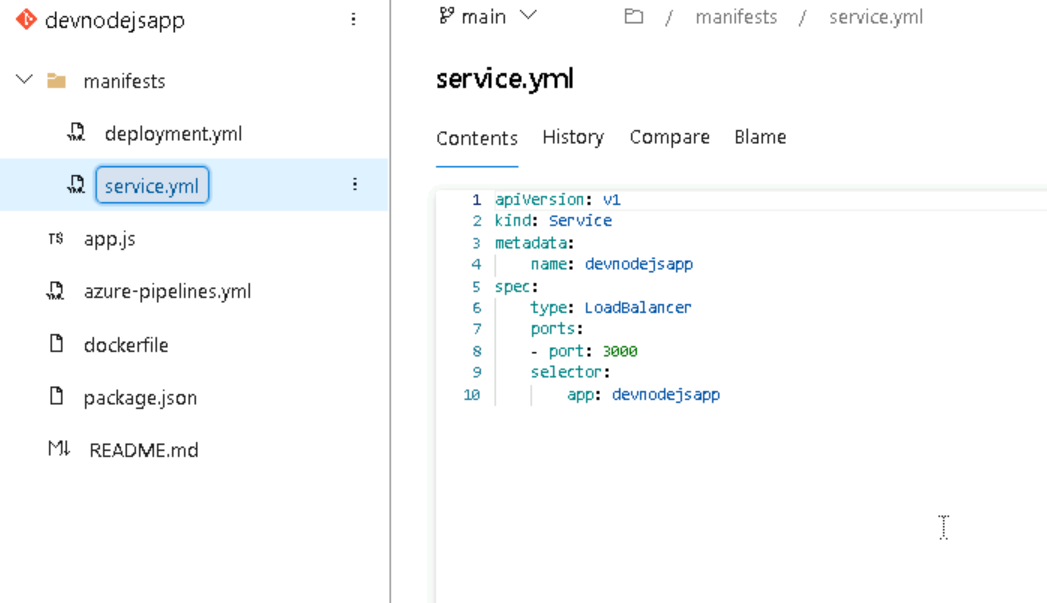


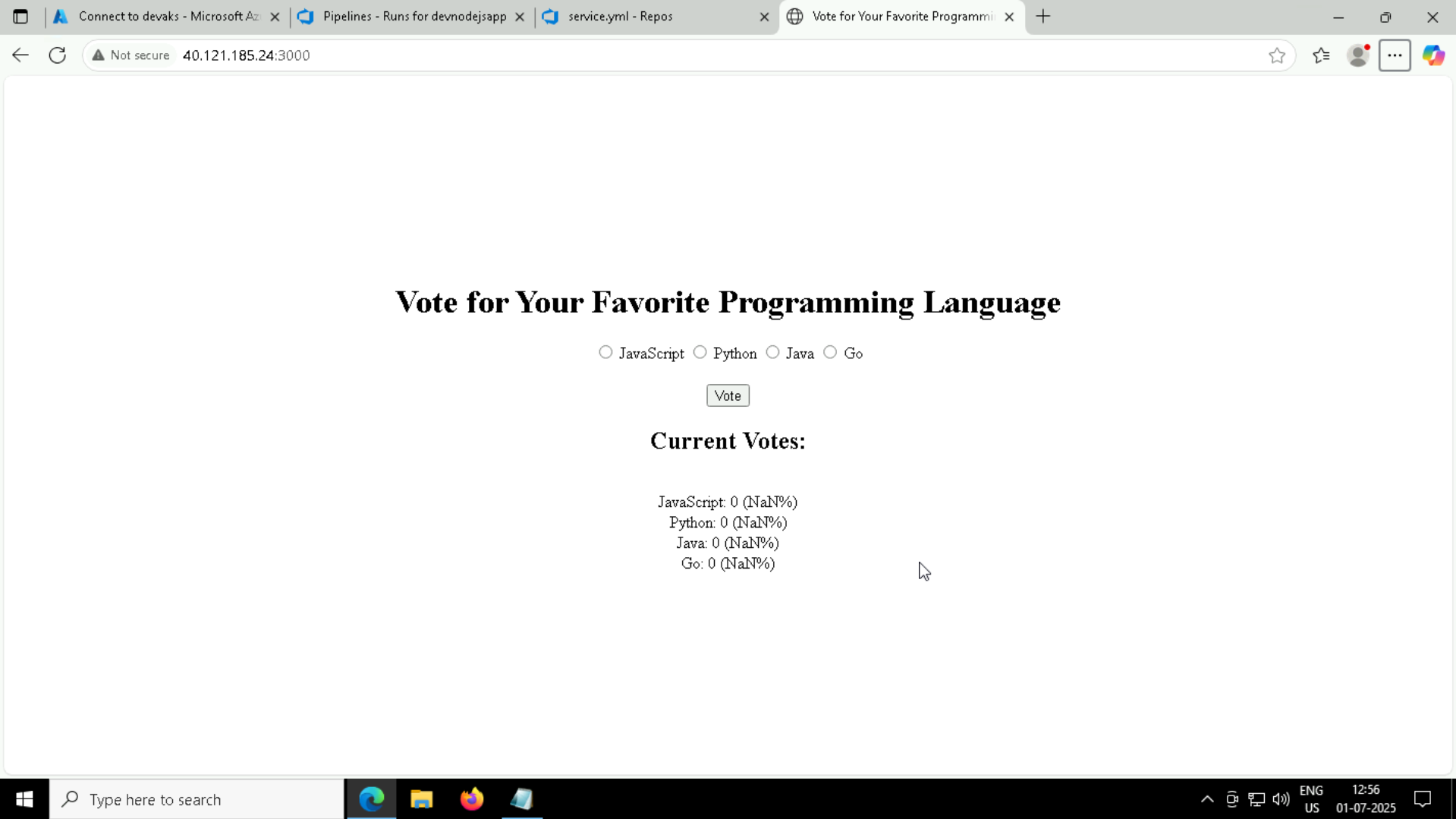


Deployment yaml file



Created an loadbalancer service (hit the loadbalancerip(External ip))



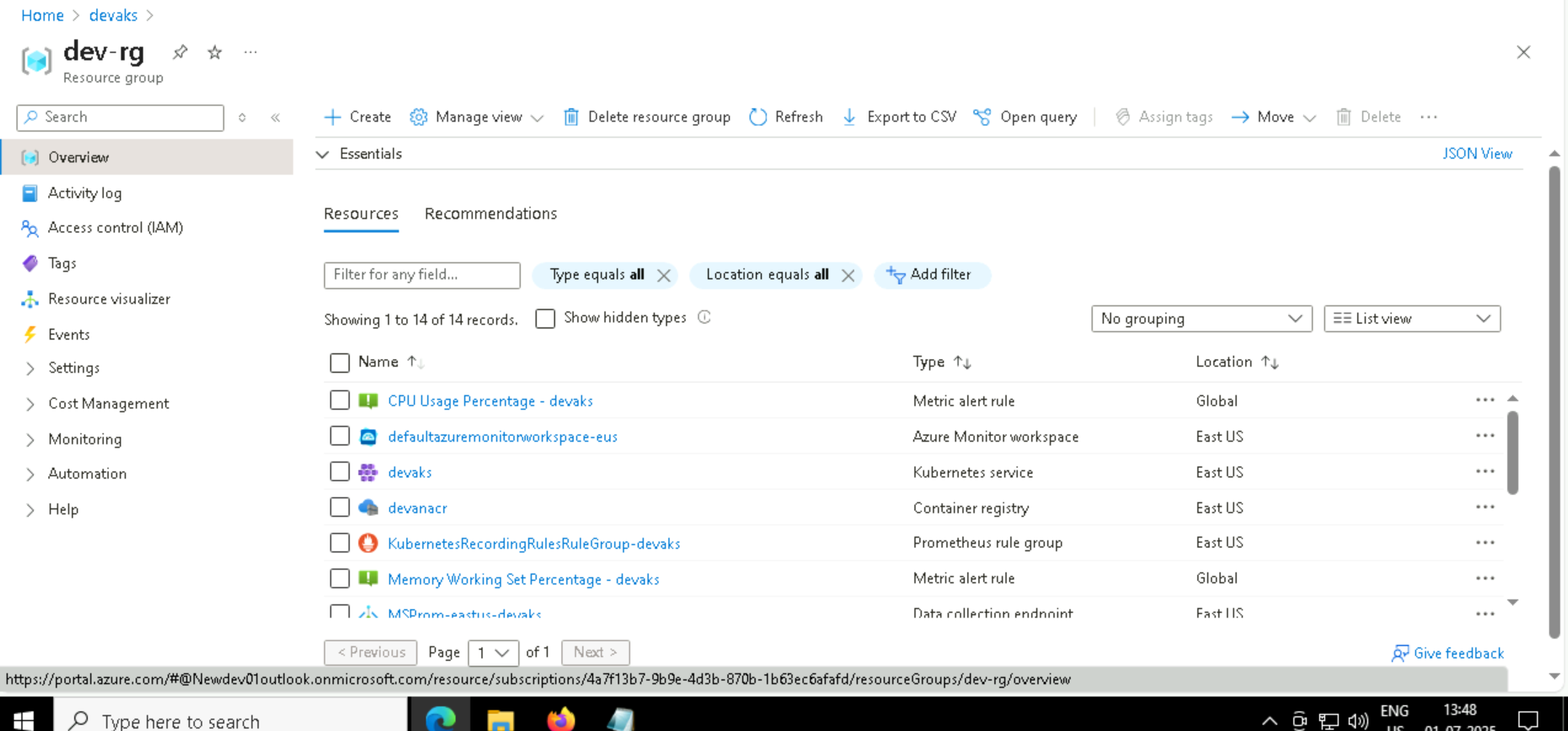


**Kubernetes deployment is running**

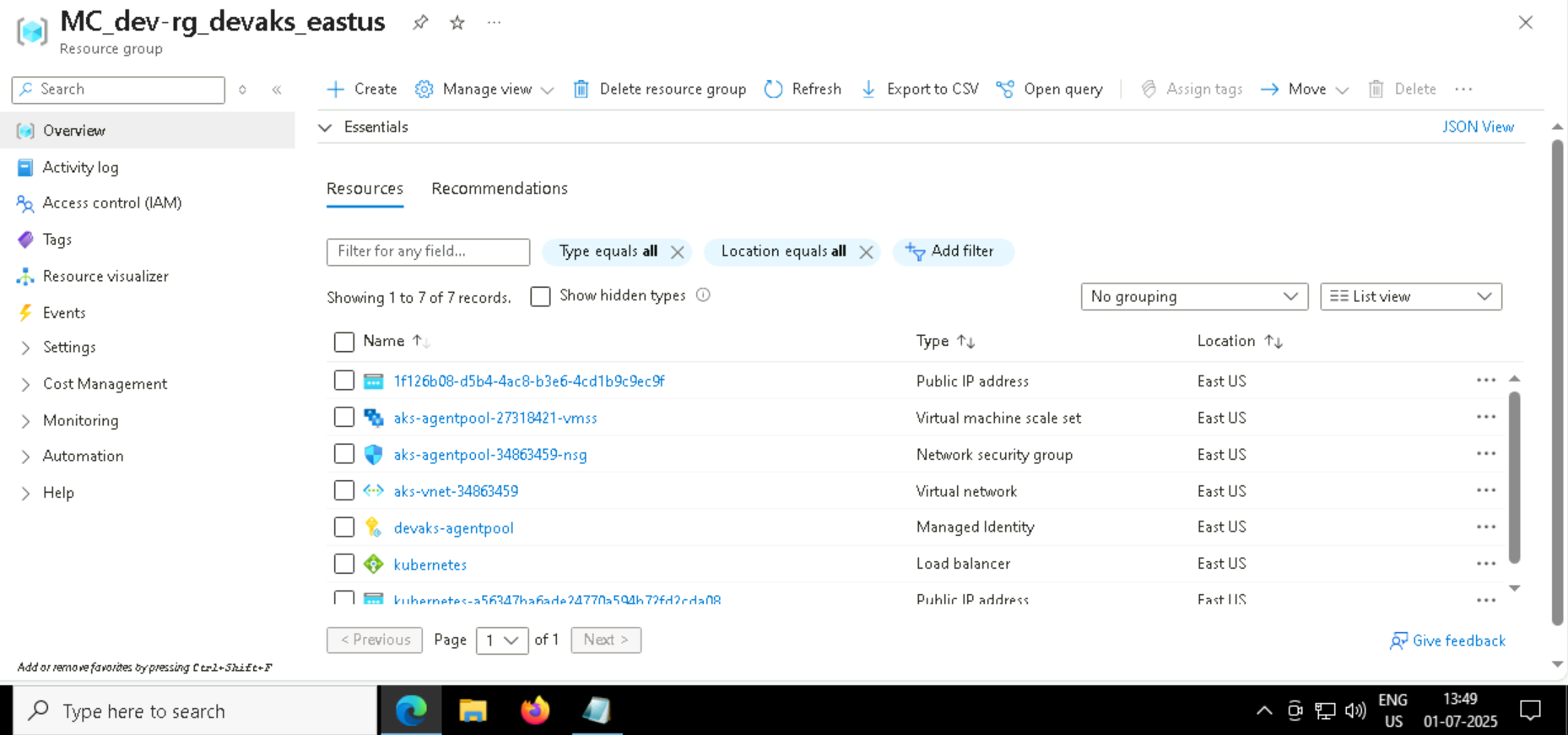


RESOURCE-GROUP

dev-rg resource group here it contain acr, aks



AKS will create an another resource group



NB: I just created terraform code for to create an Kubernetes cluster(not used)

