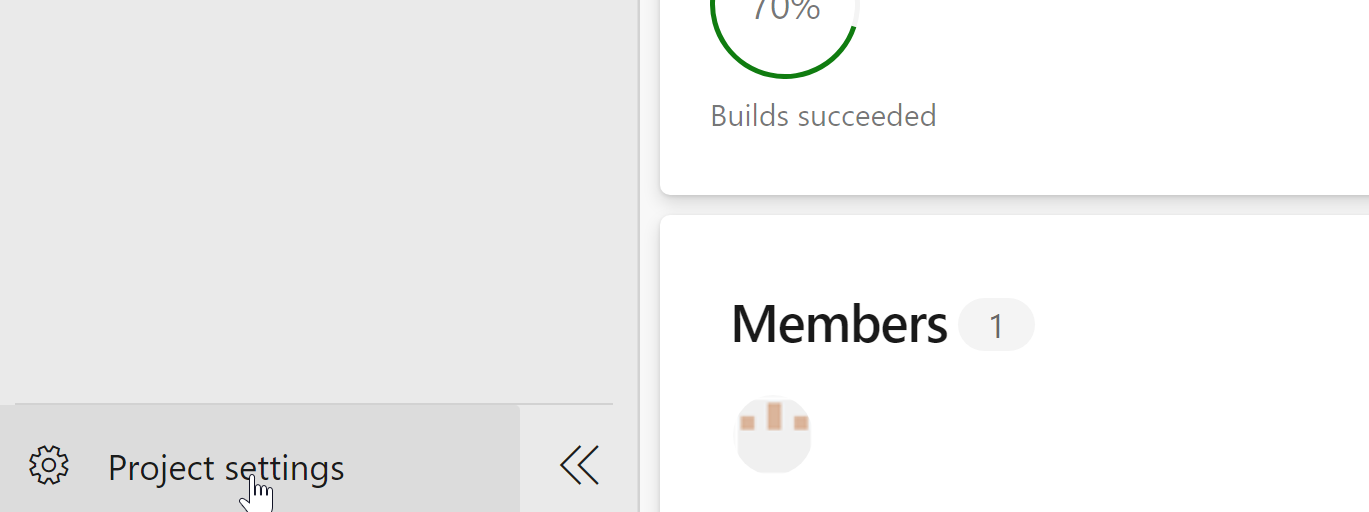
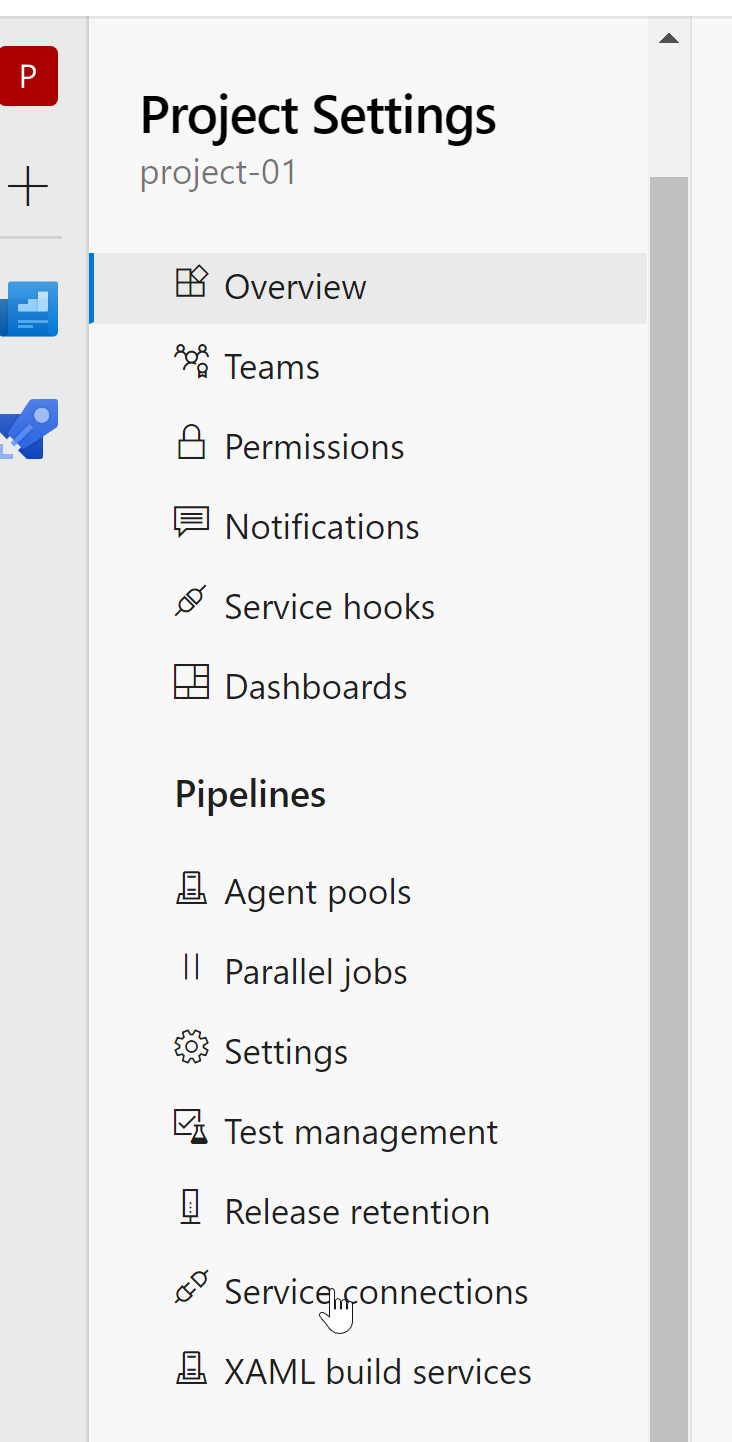
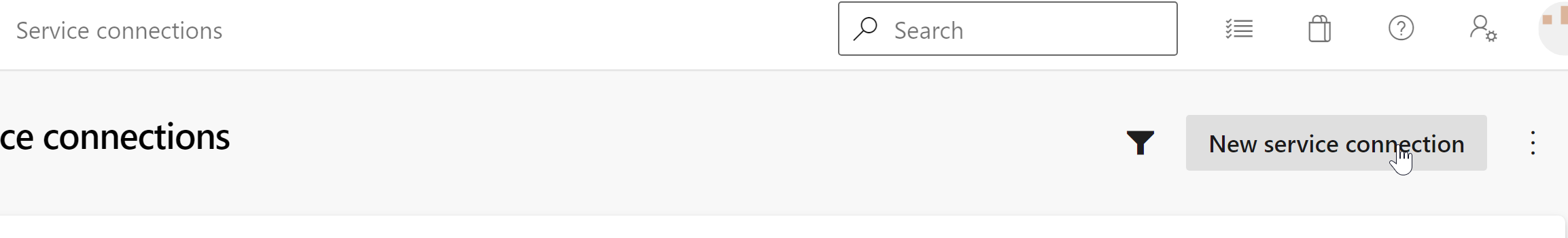
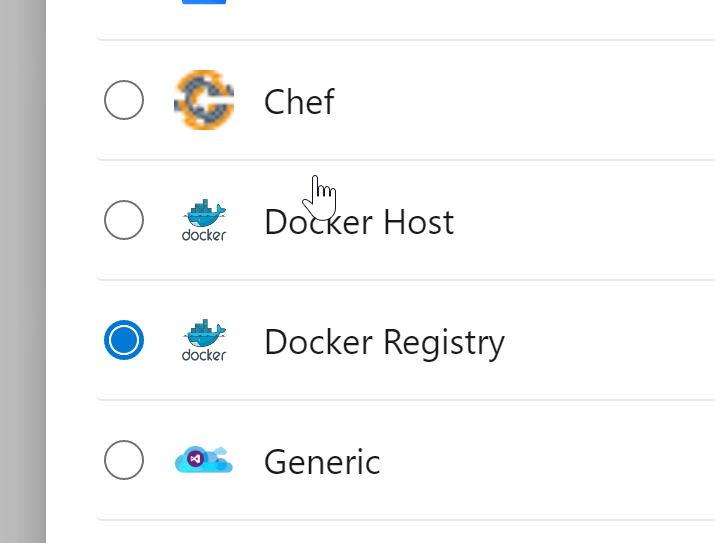
**Starter / YAML Pipeline**

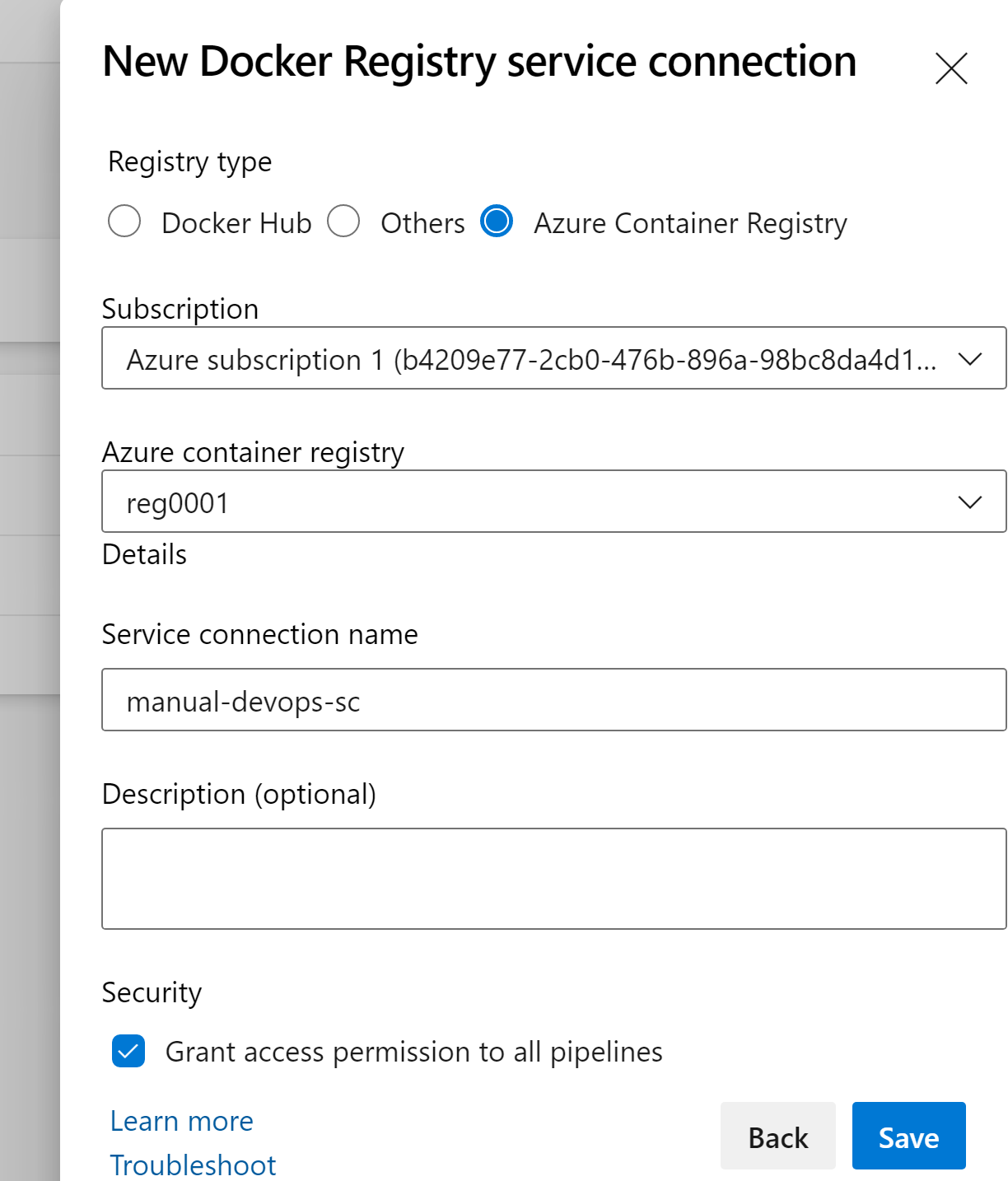
* Create new service connection for ACR



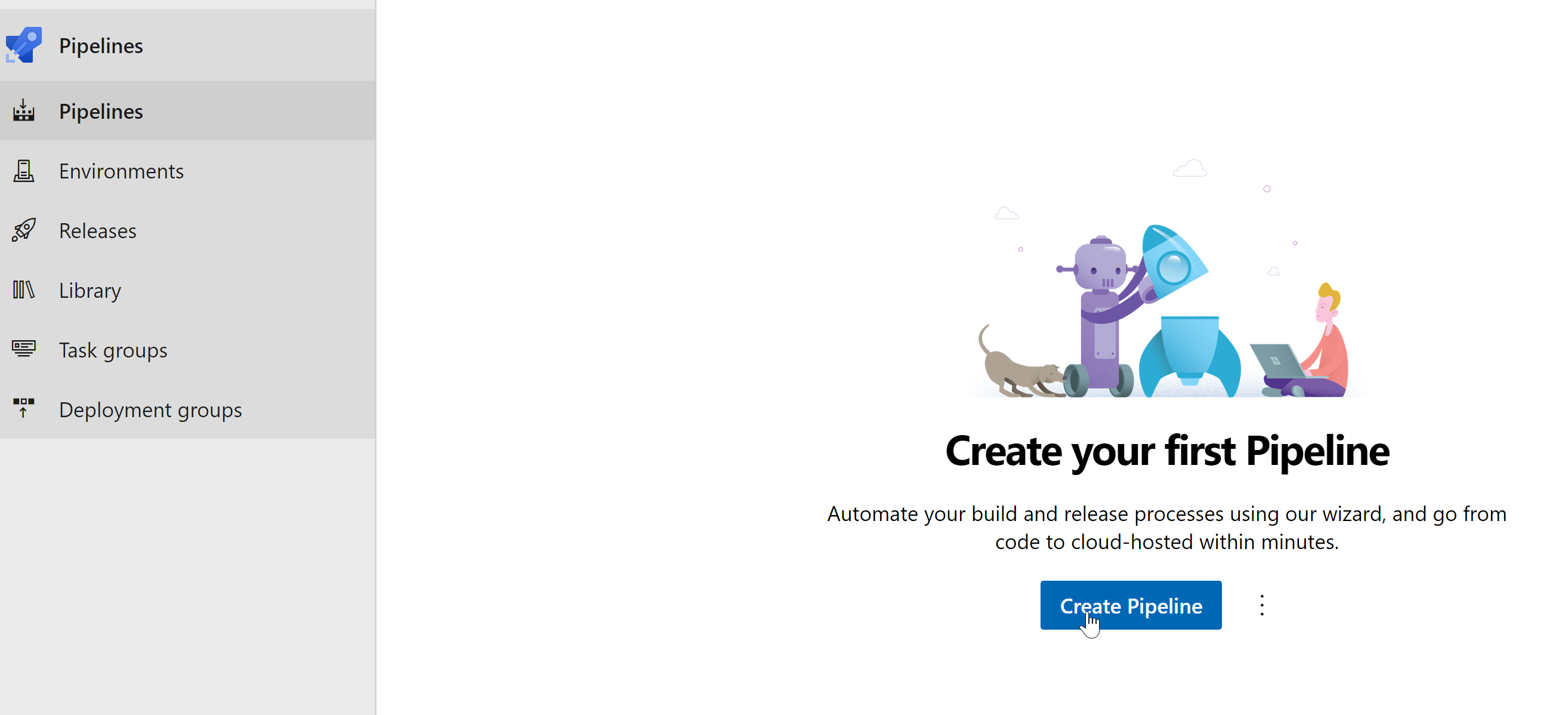


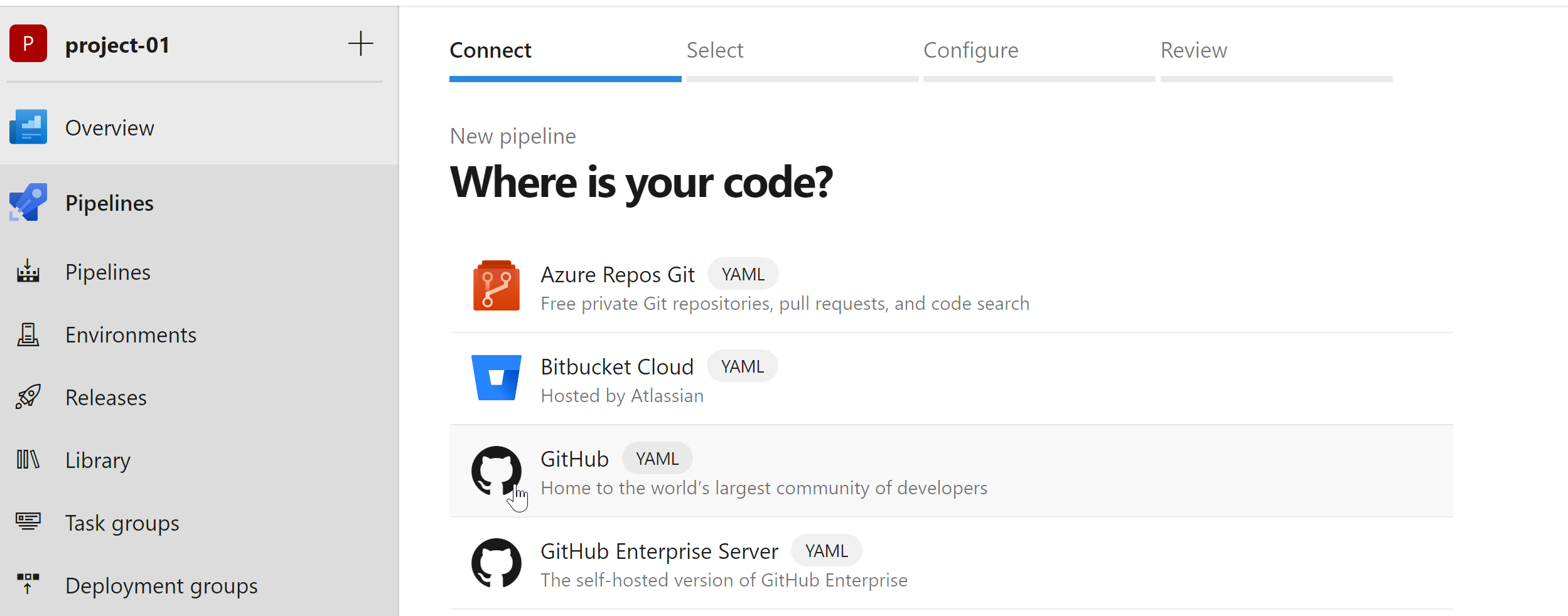




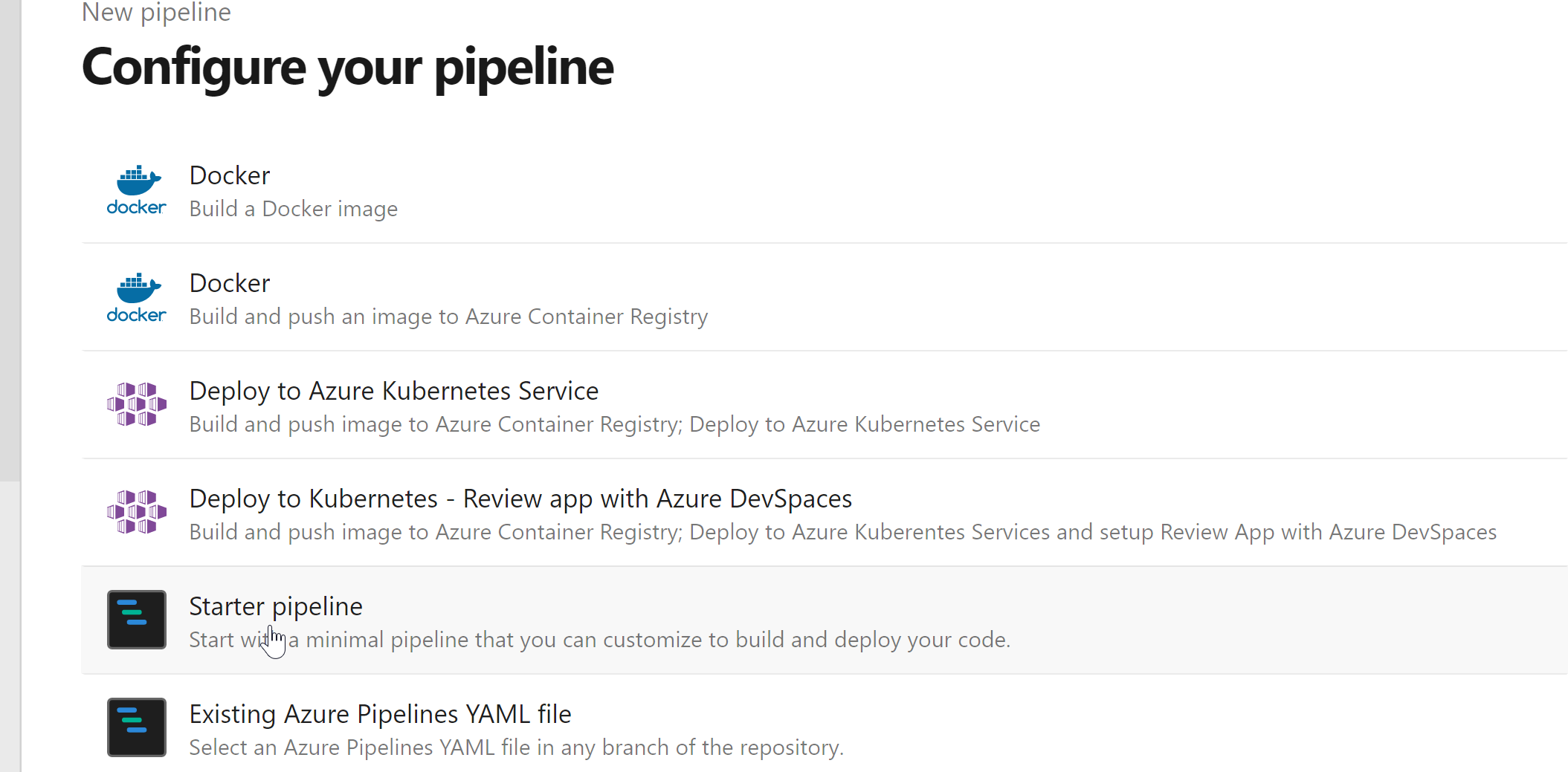


* Create a new starter pipeline

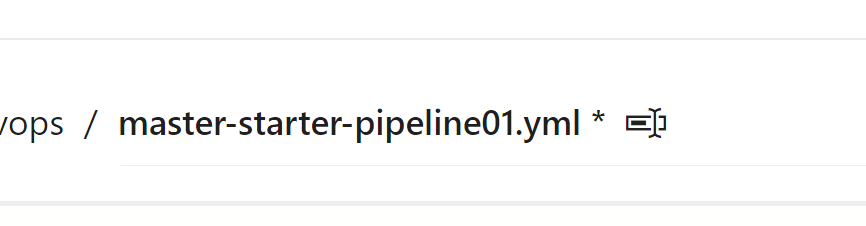




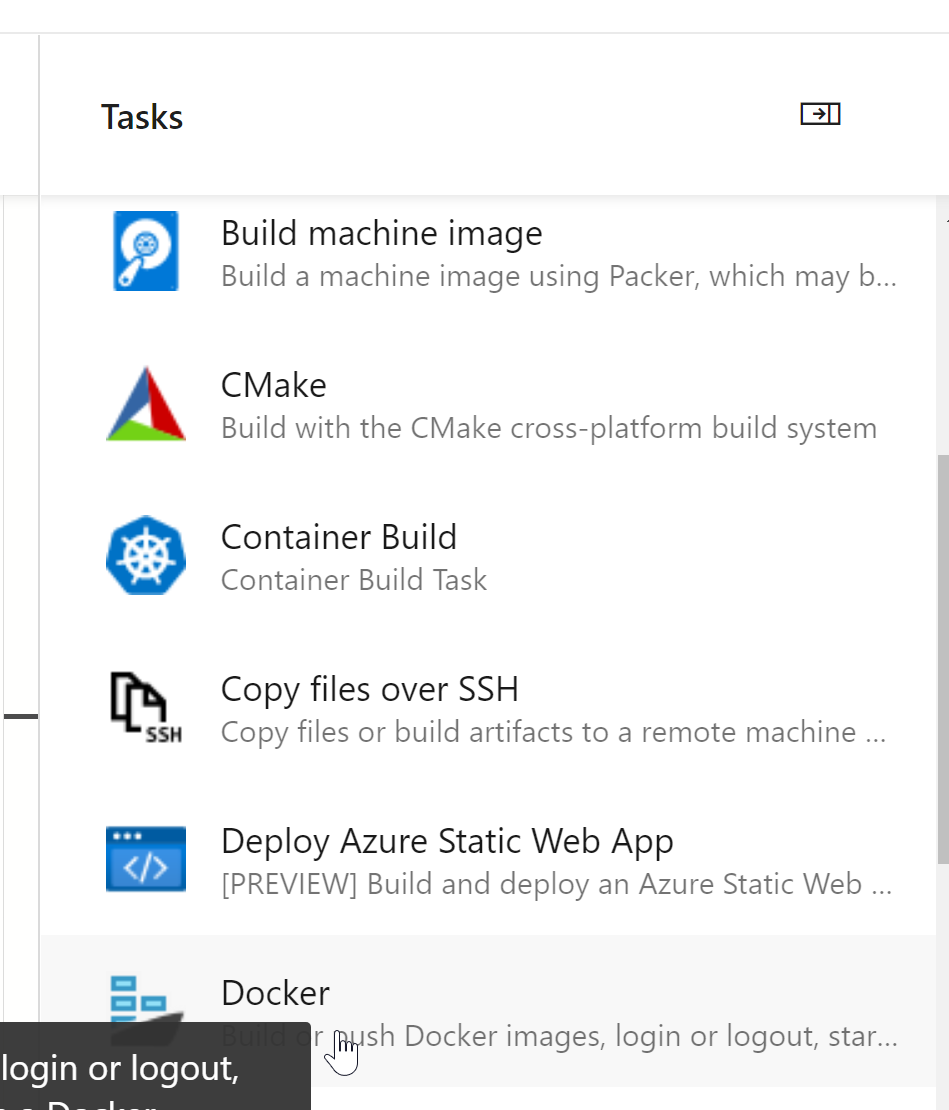
Select <https://github.com/easycloudcompute/pythonrestapi-azuredevops.git> from the list

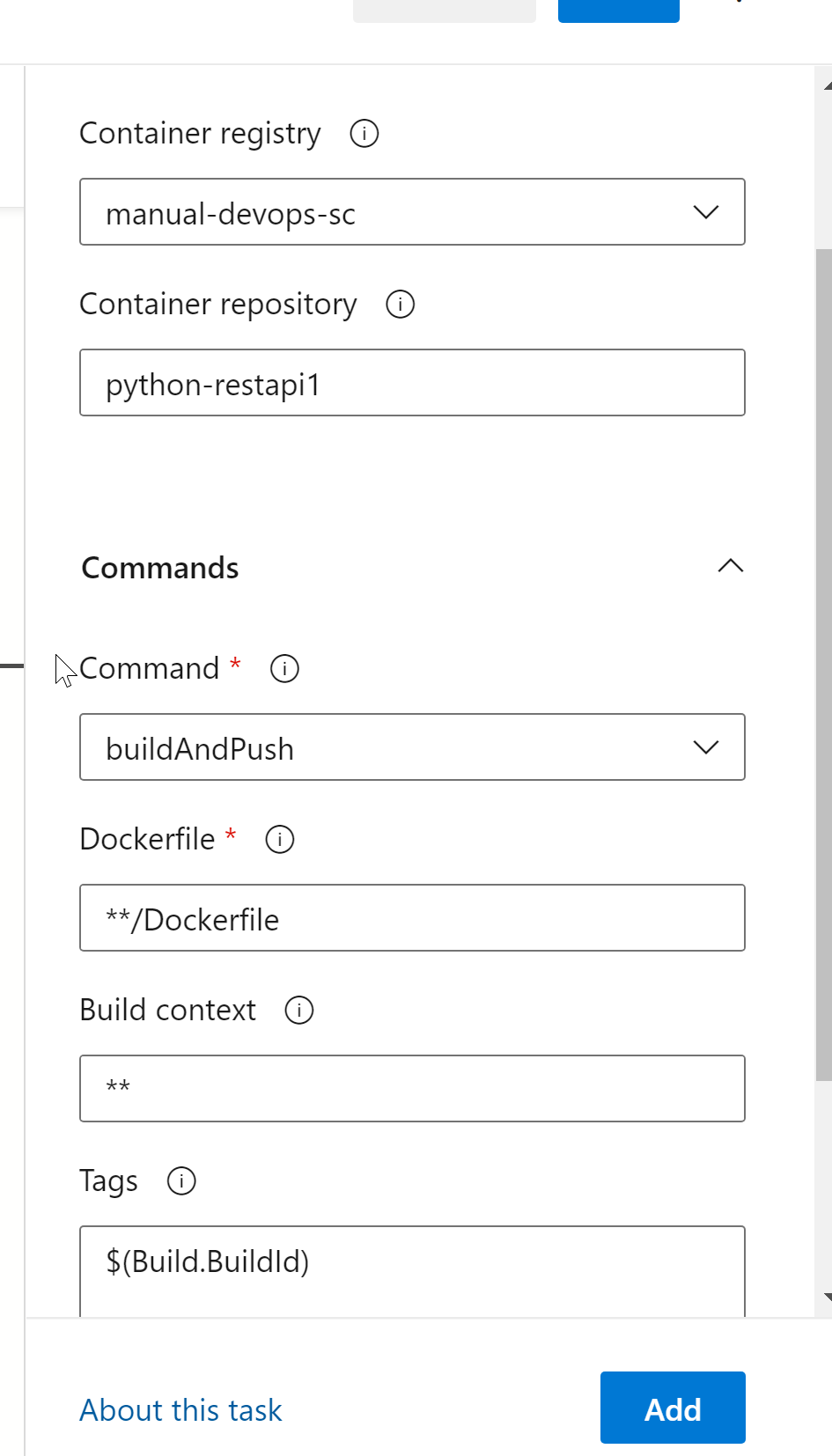


* Rename pipeline

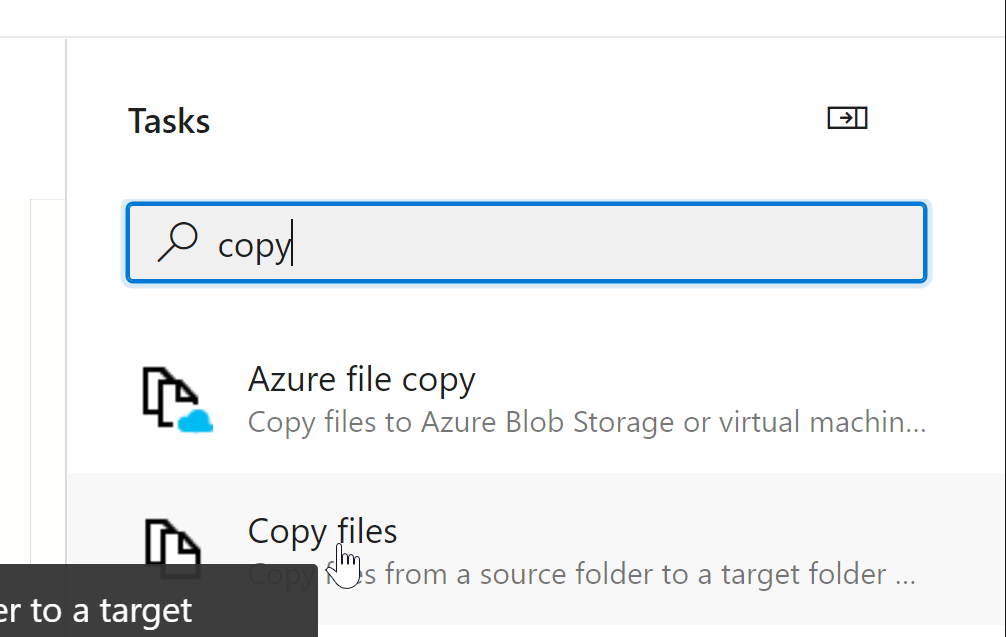


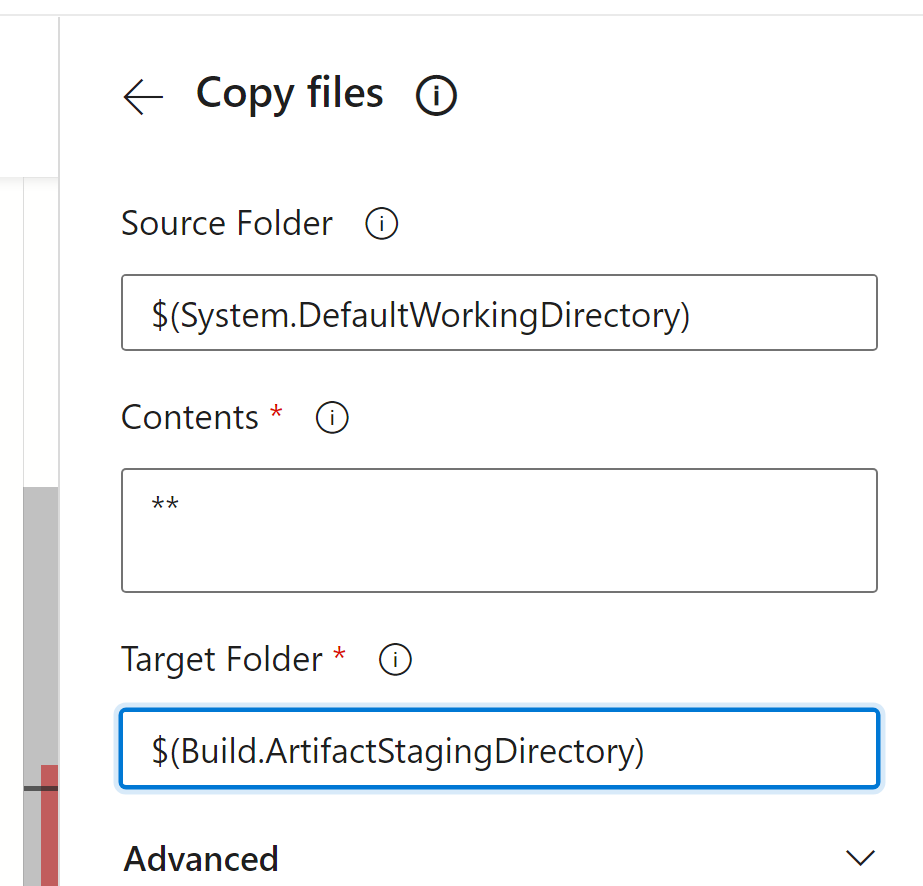
* We now start writing pipeline in YAML . To get some code snippets we use the Assistant, example:
* For getting build code, use below:



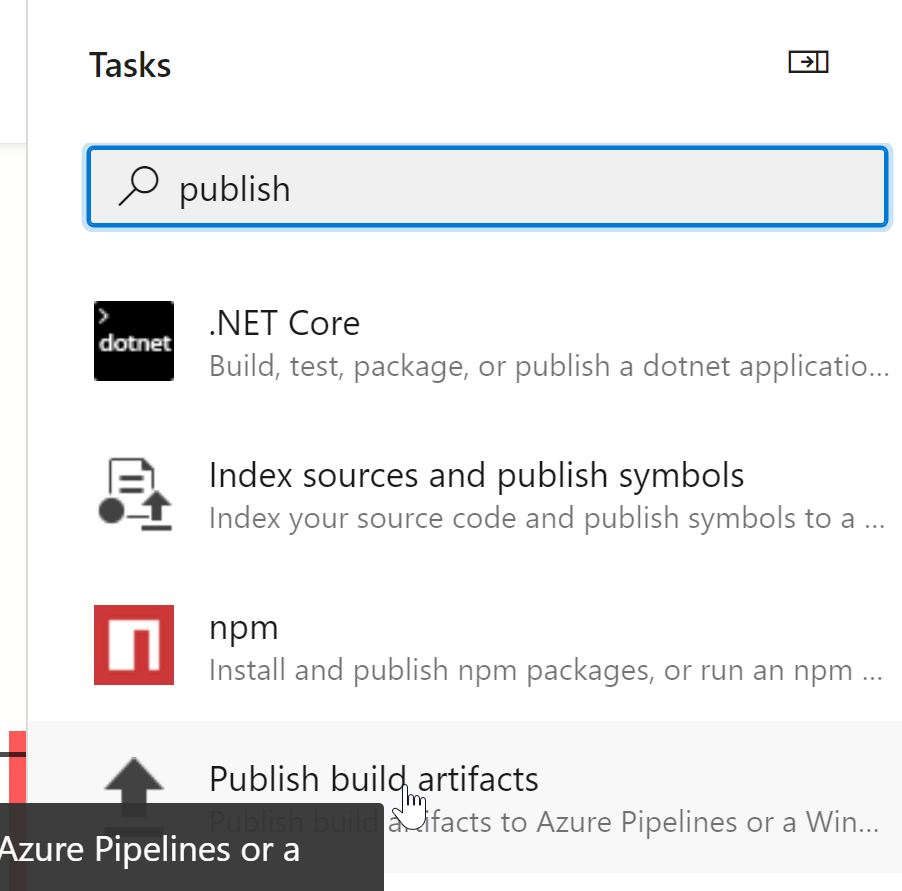


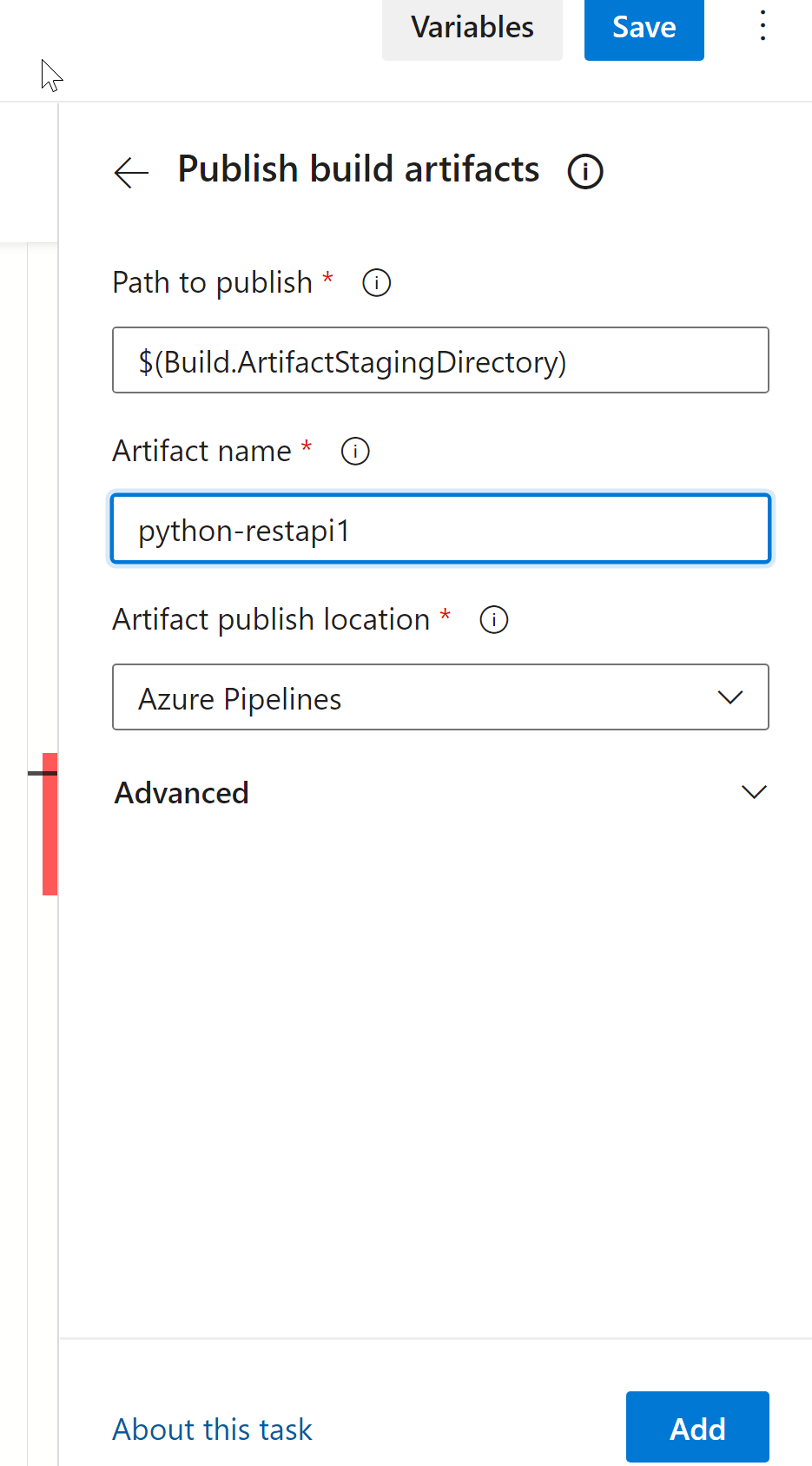
* To copy files from a source folder to target folder



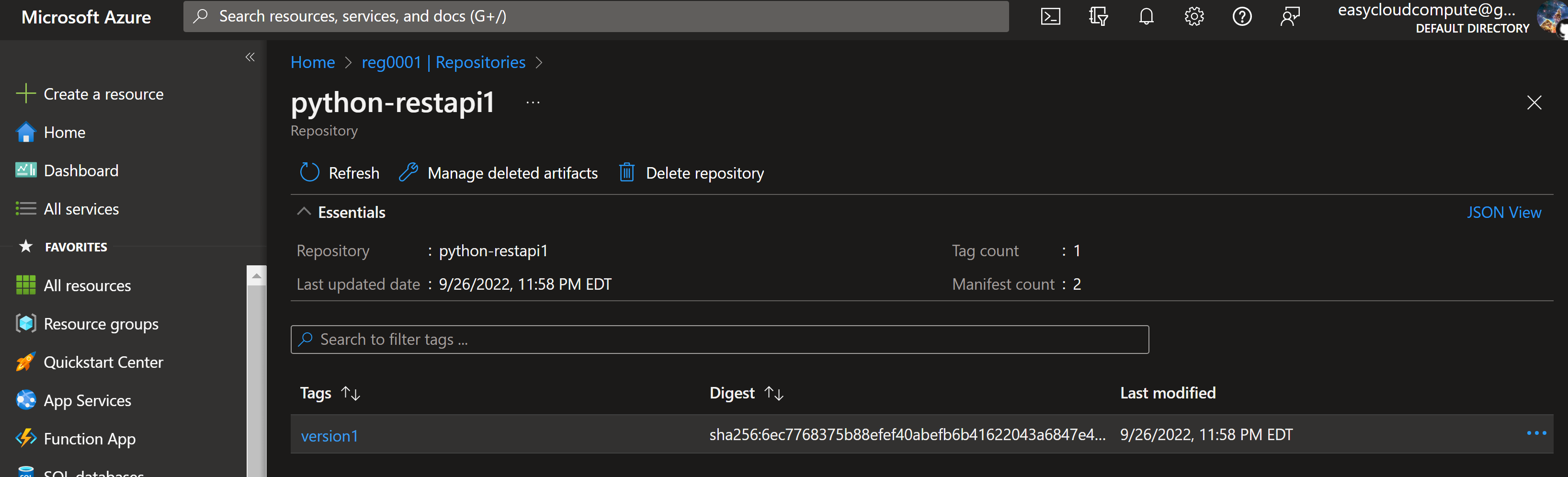


* To publish artifacts to azure pipeline





* Run pipeline and verify



**Release Pipeline**

* Create a new namespace called dev

The Cosmos@[~/Desktop/Tech/pythonrestapi-azuredevops]: kubectl create ns dev

namespace/dev created

The Cosmos@[~/Desktop/Tech/pythonrestapi-azuredevops]: kubectl get ns

NAME STATUS AGE

default Active 9d

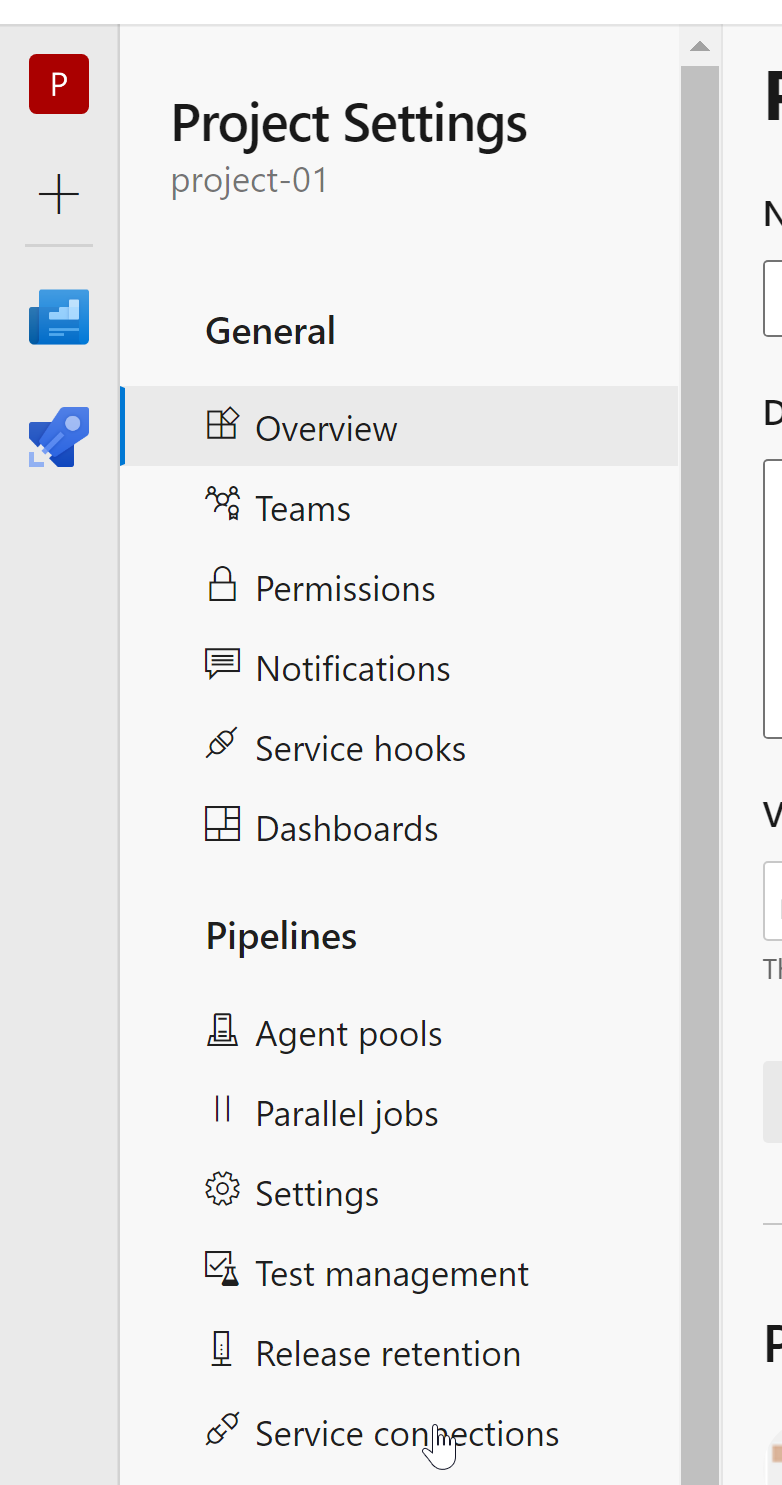
dev Active 5s

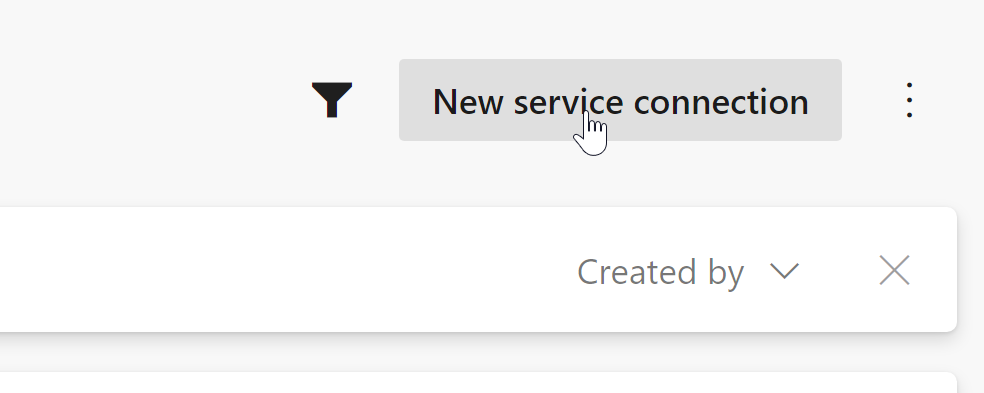
kube-node-lease Active 9d

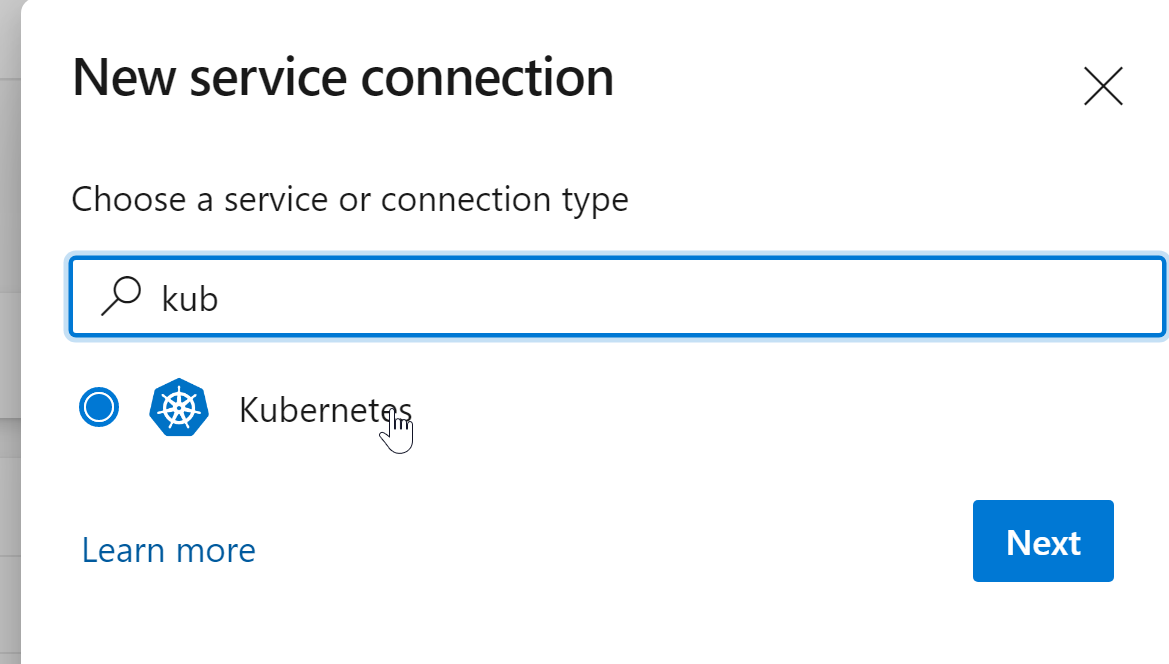
kube-public Active 9d

kube-system Active 9d

* Create new service connection for AKS

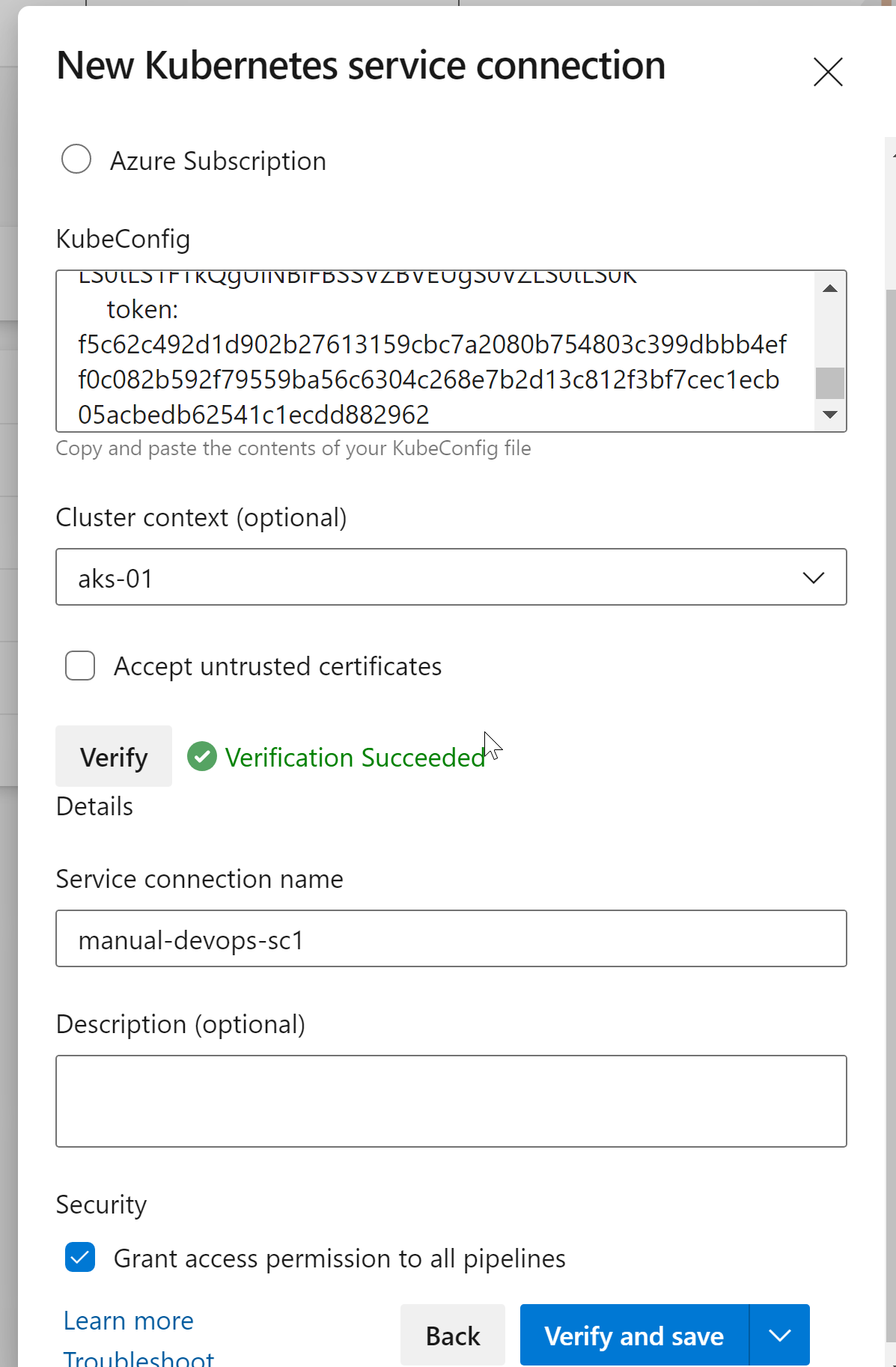




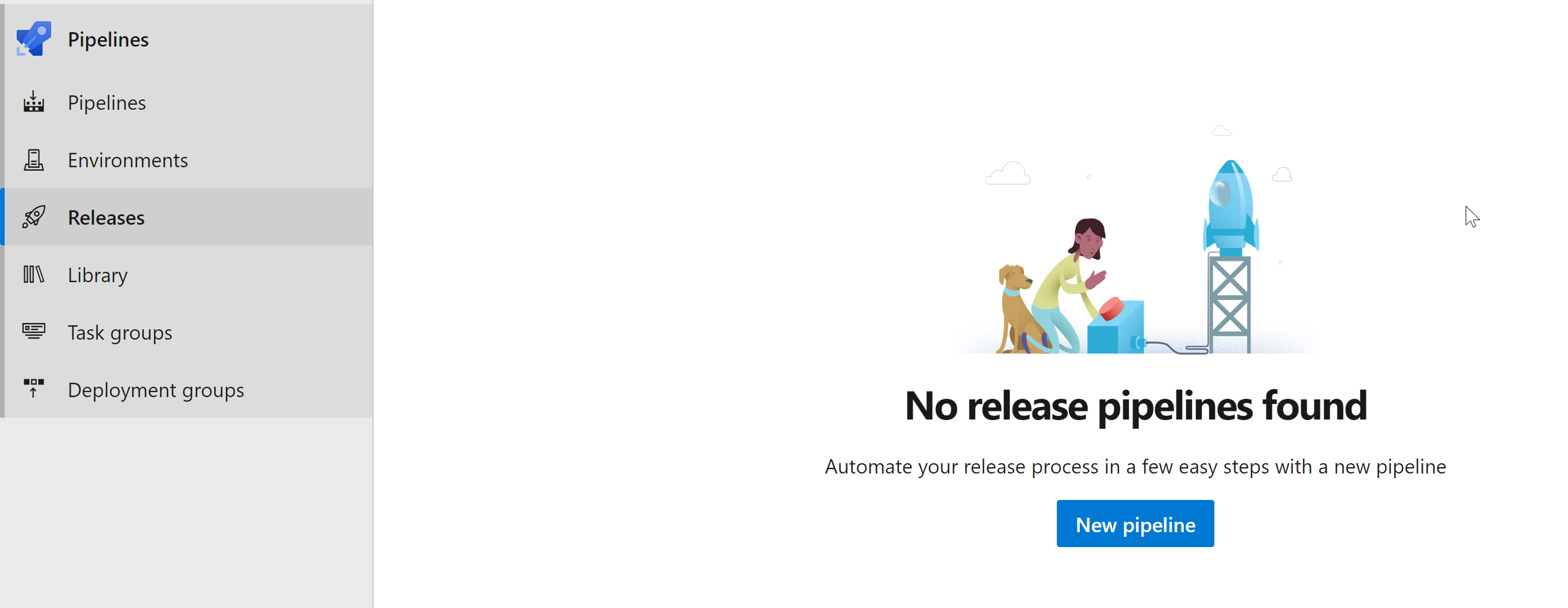


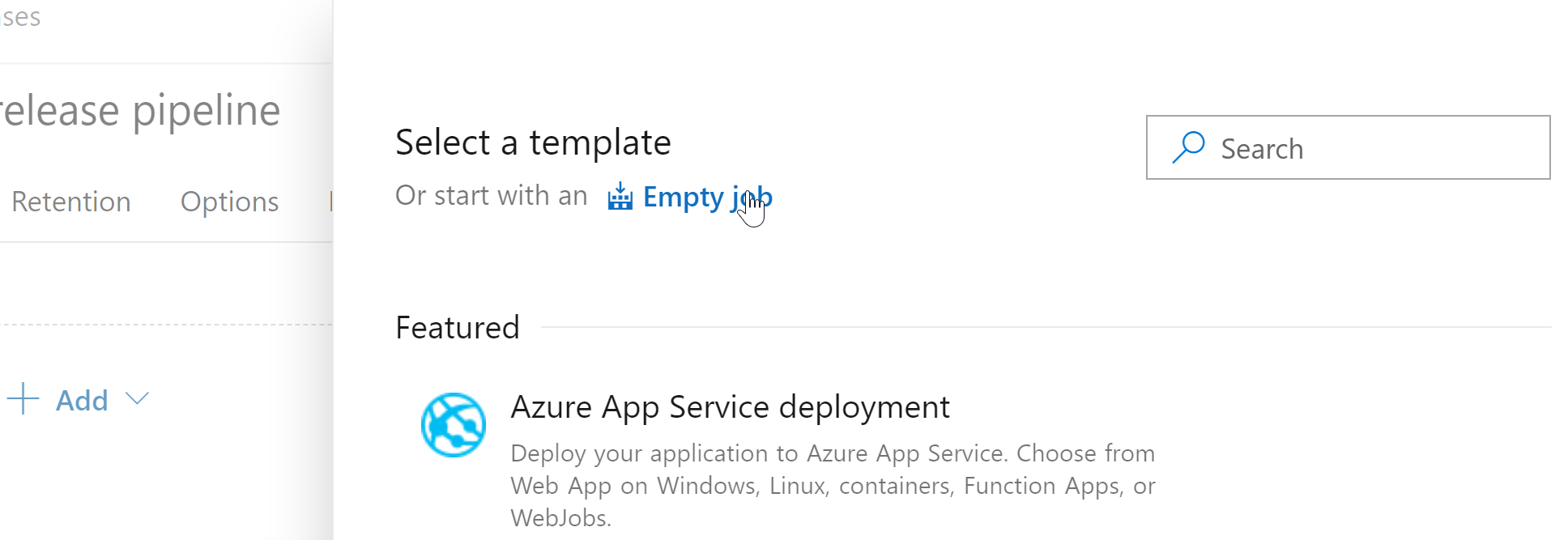
Get the kubeconfig file and paste below

The Cosmos@[~/Desktop/Tech/pythonrestapi-assignment]: cat ~/.kube/config

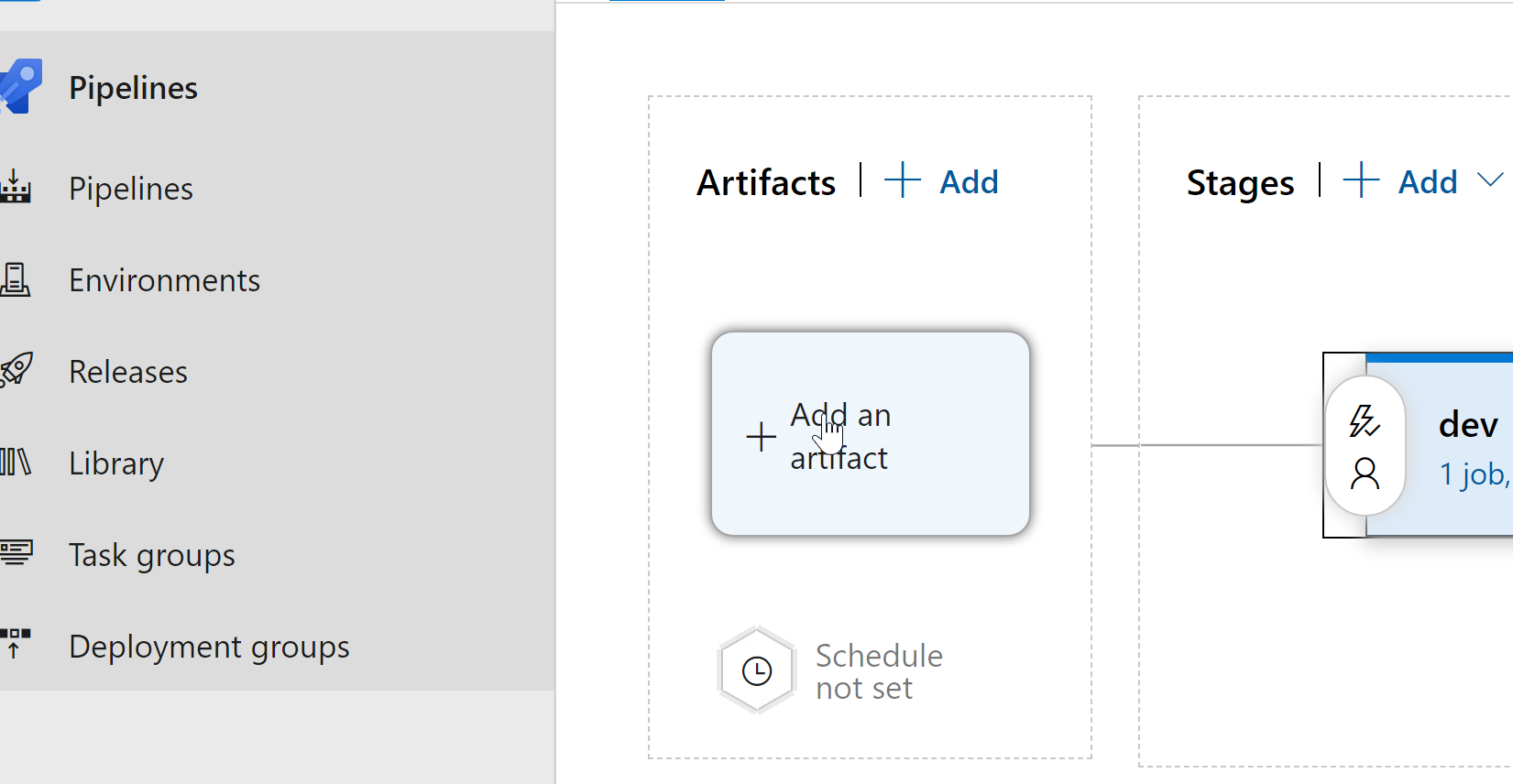


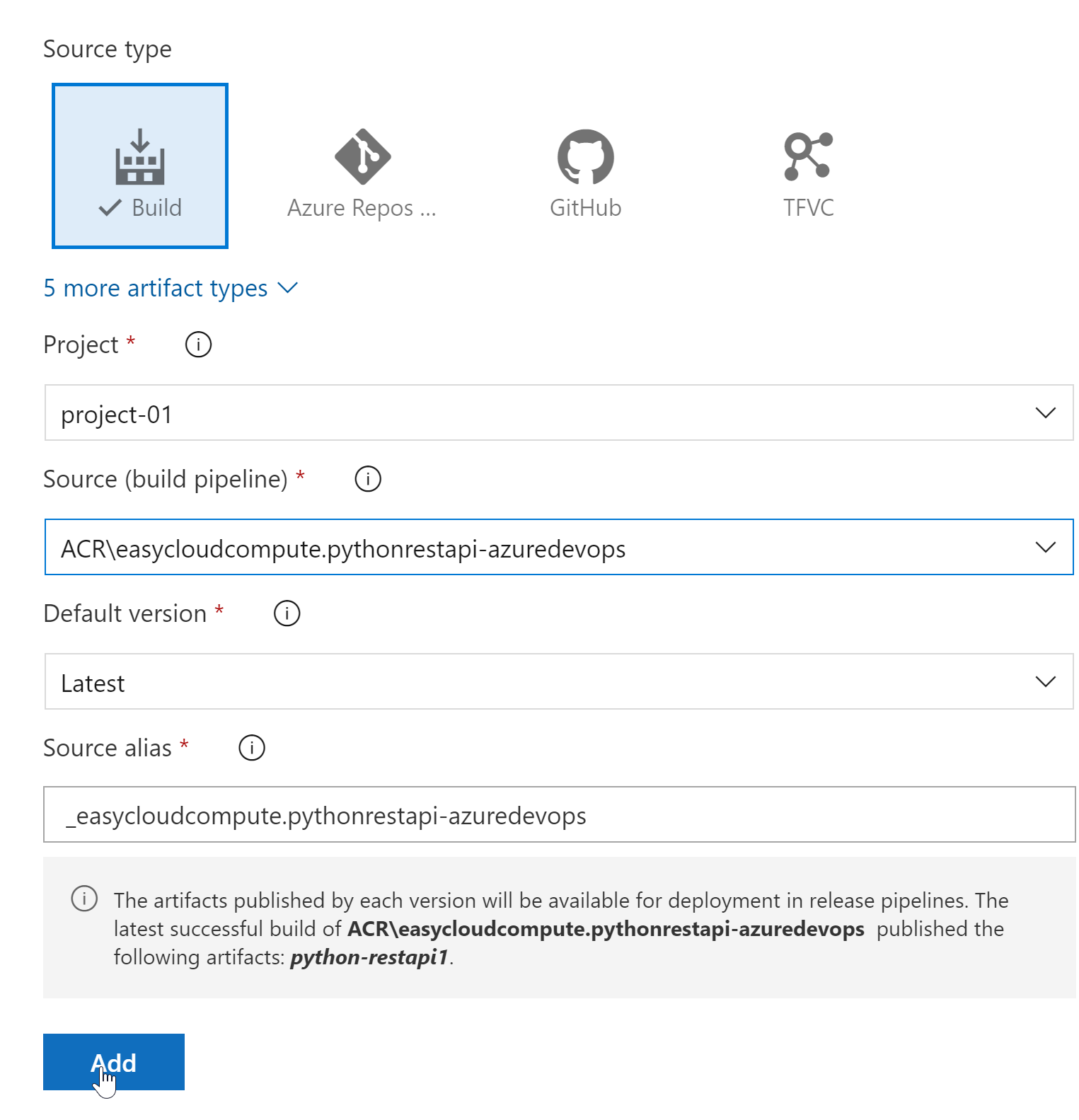
* Create new release pipeline



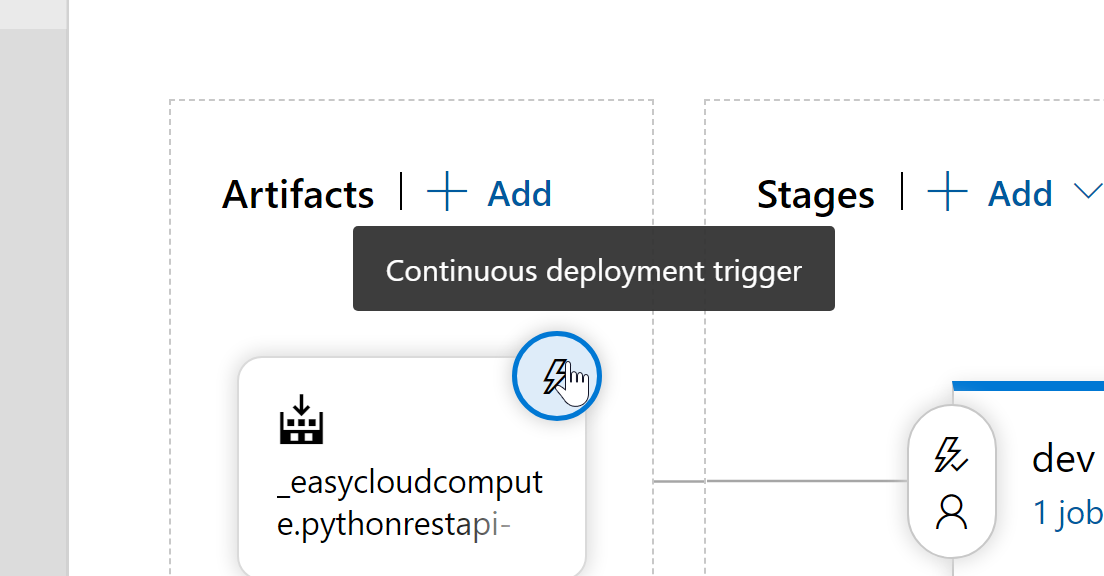


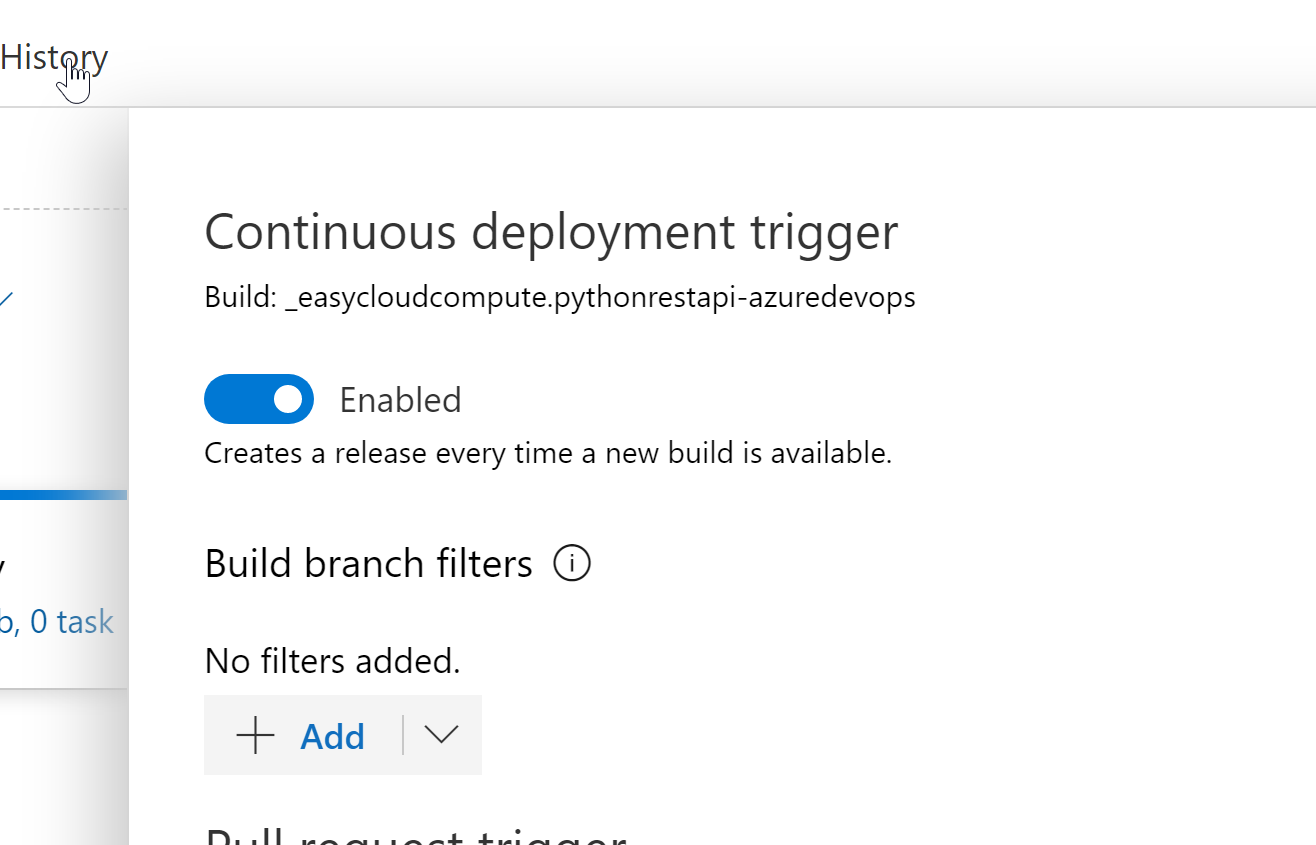
* Add artifact



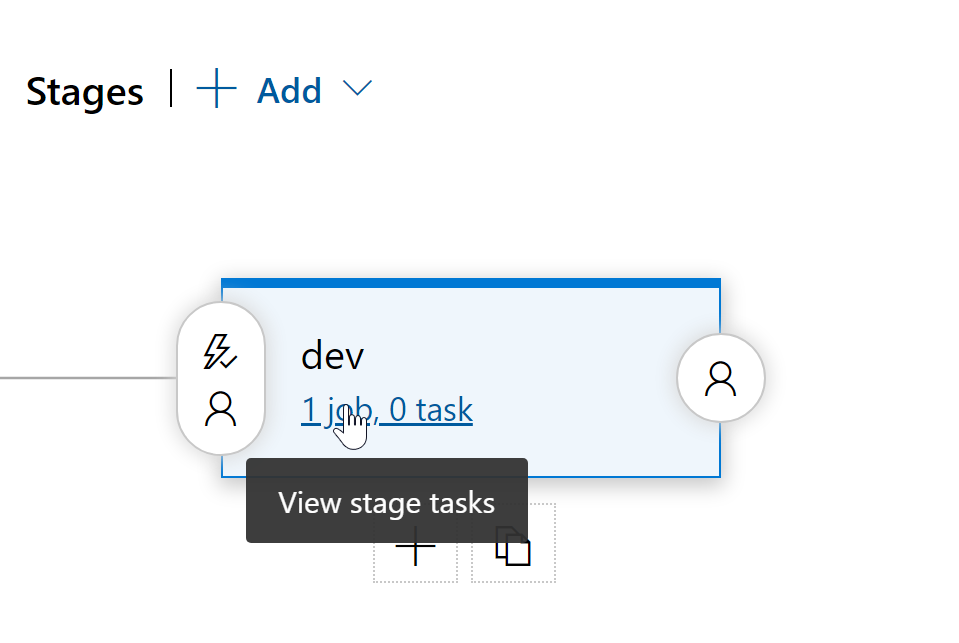


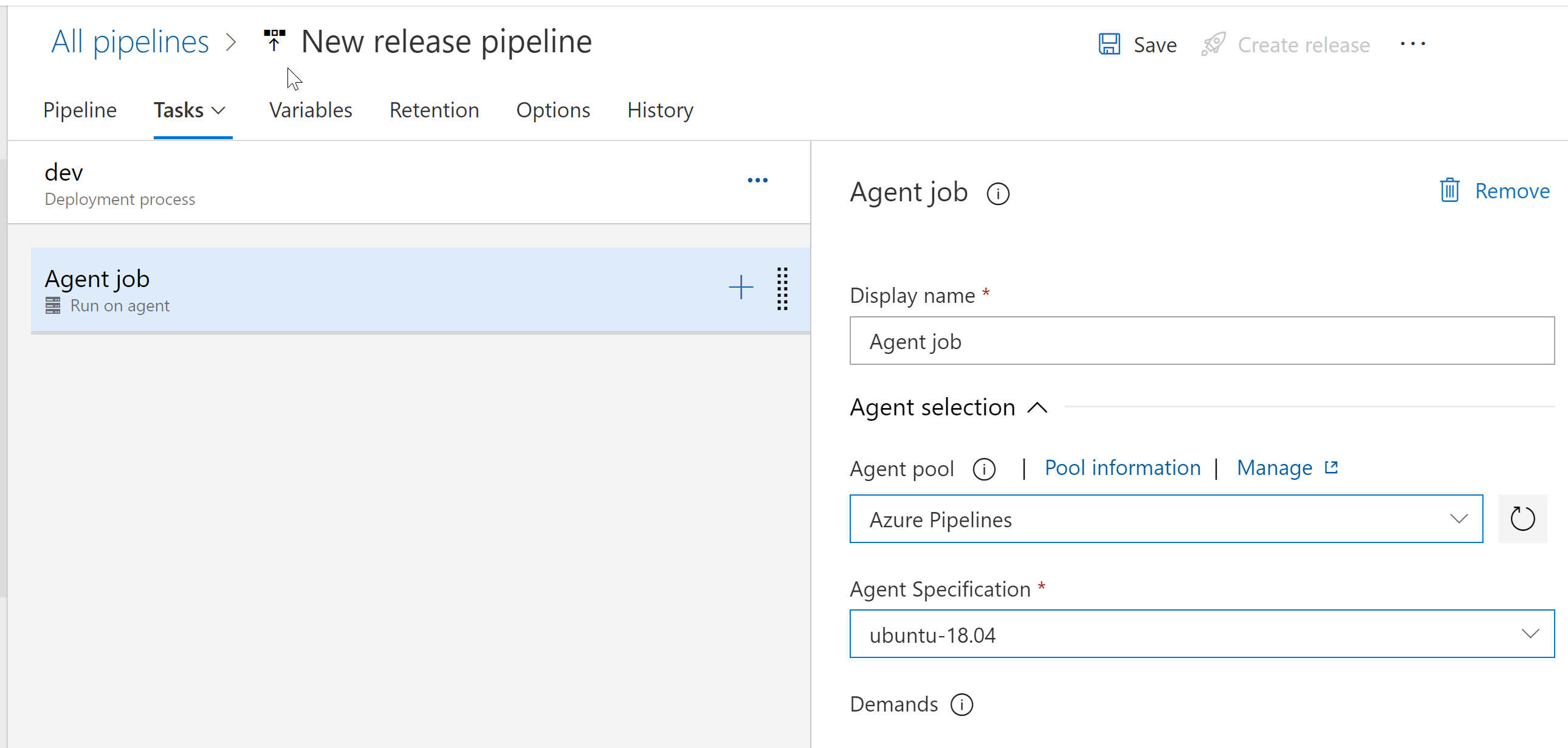
* Enable continuous deployment trigger that ensures that as soon as the CI / Starter pipeline has built an artifact , it trigger this new Release pipeline



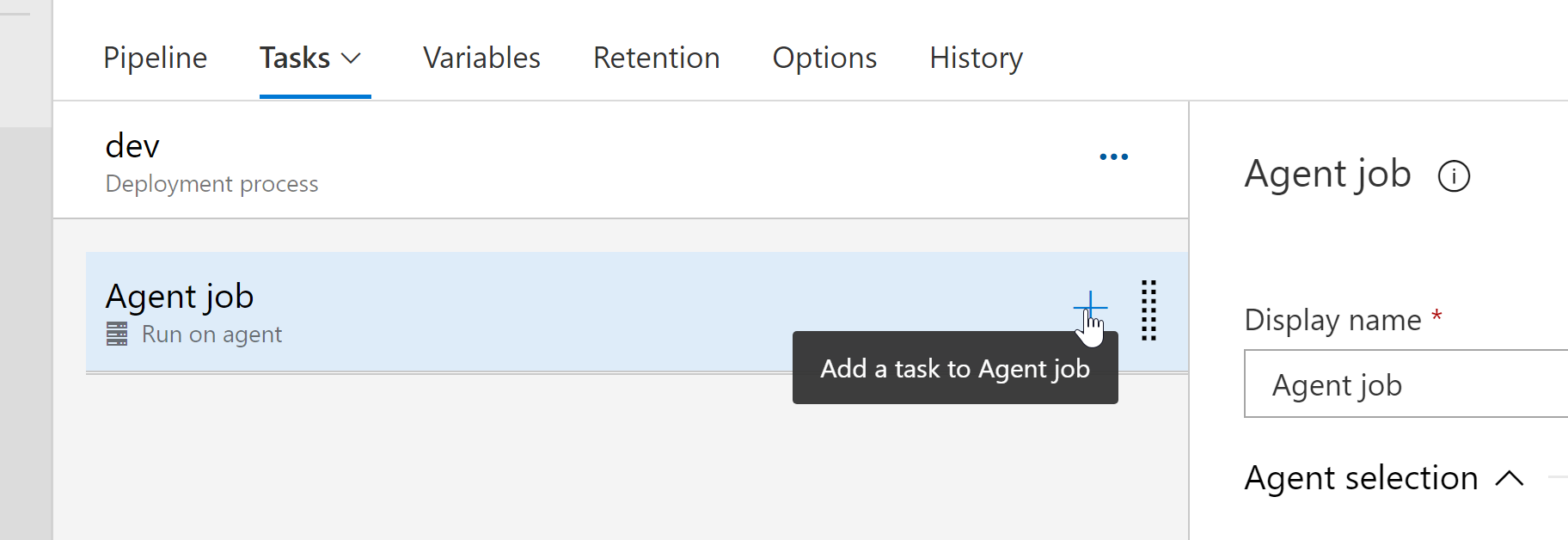


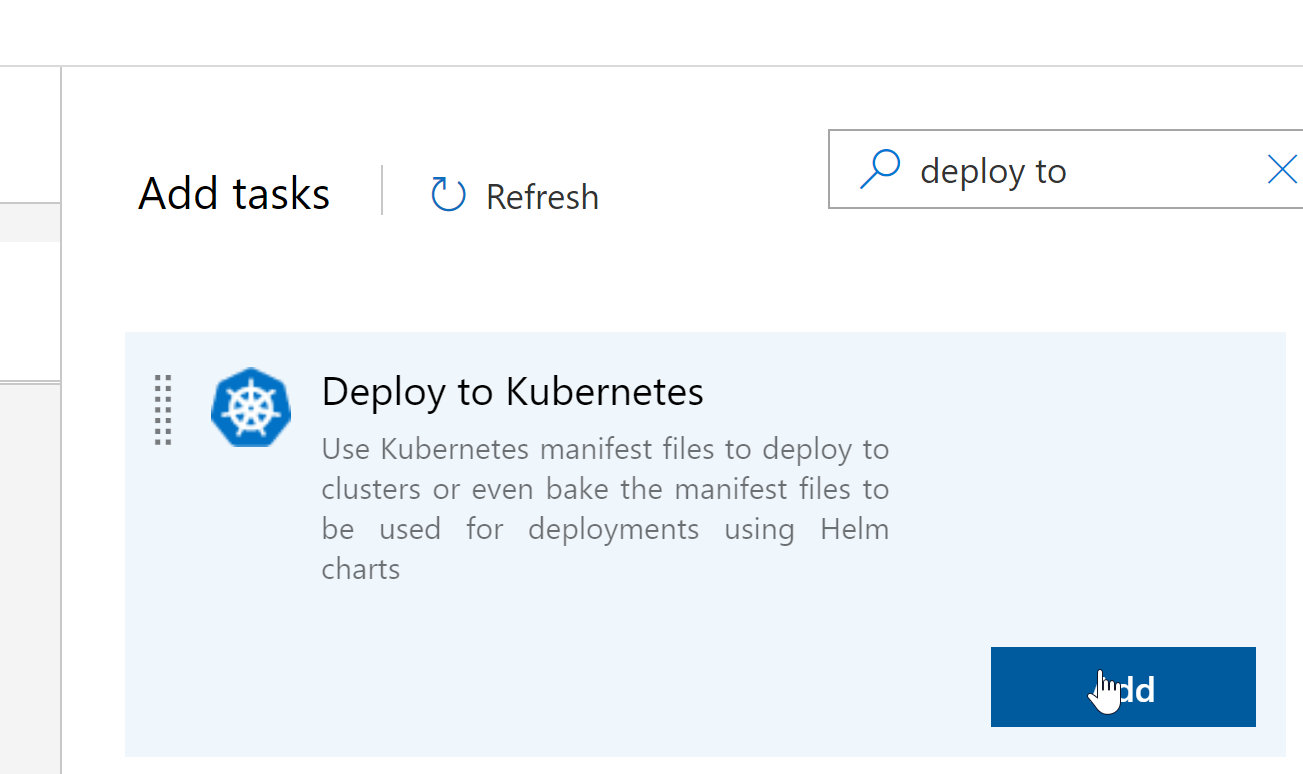
* Create a new dev stage as below



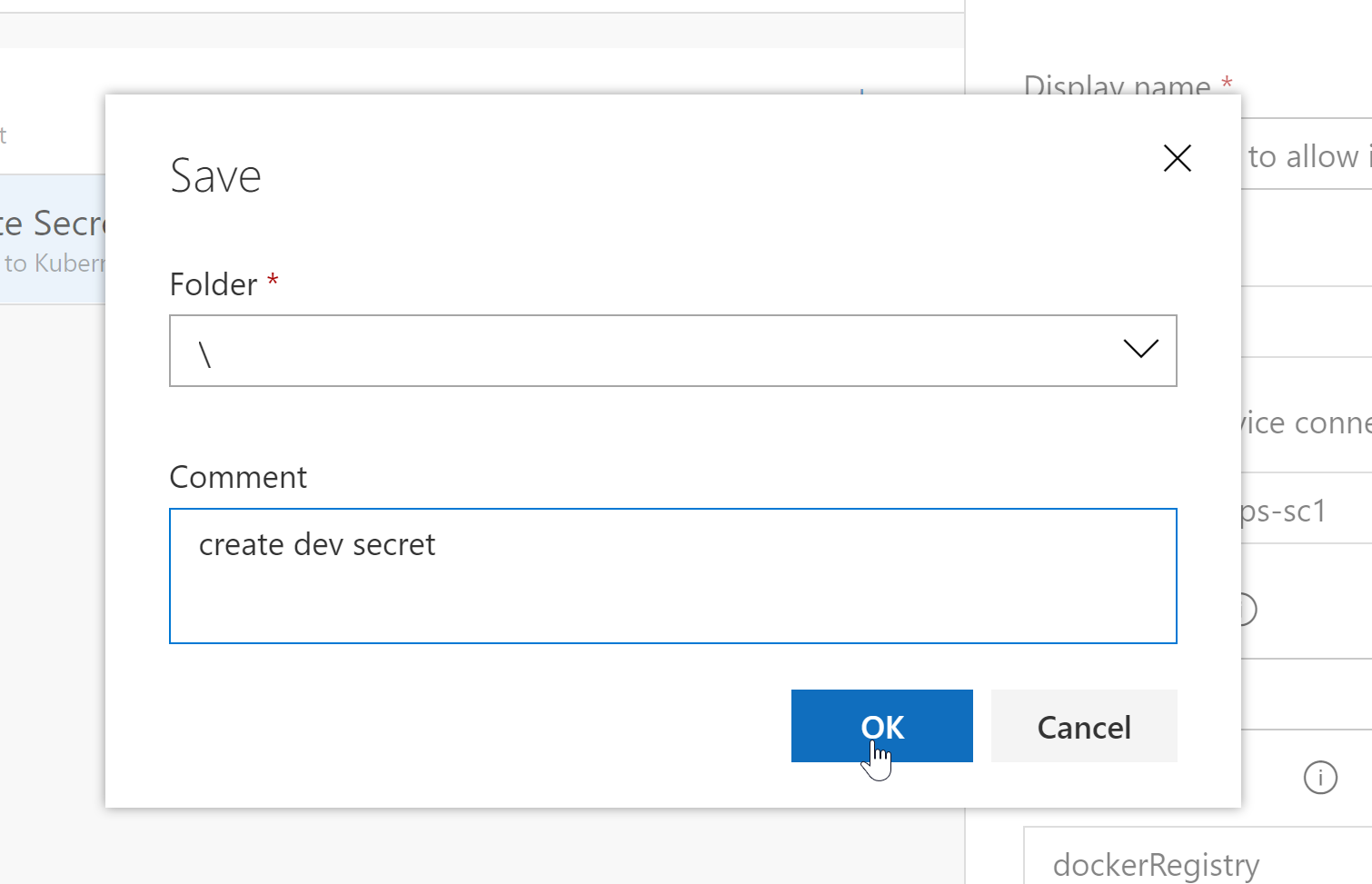


* Add a new task to Agent to create secret to allow to pull from ACR

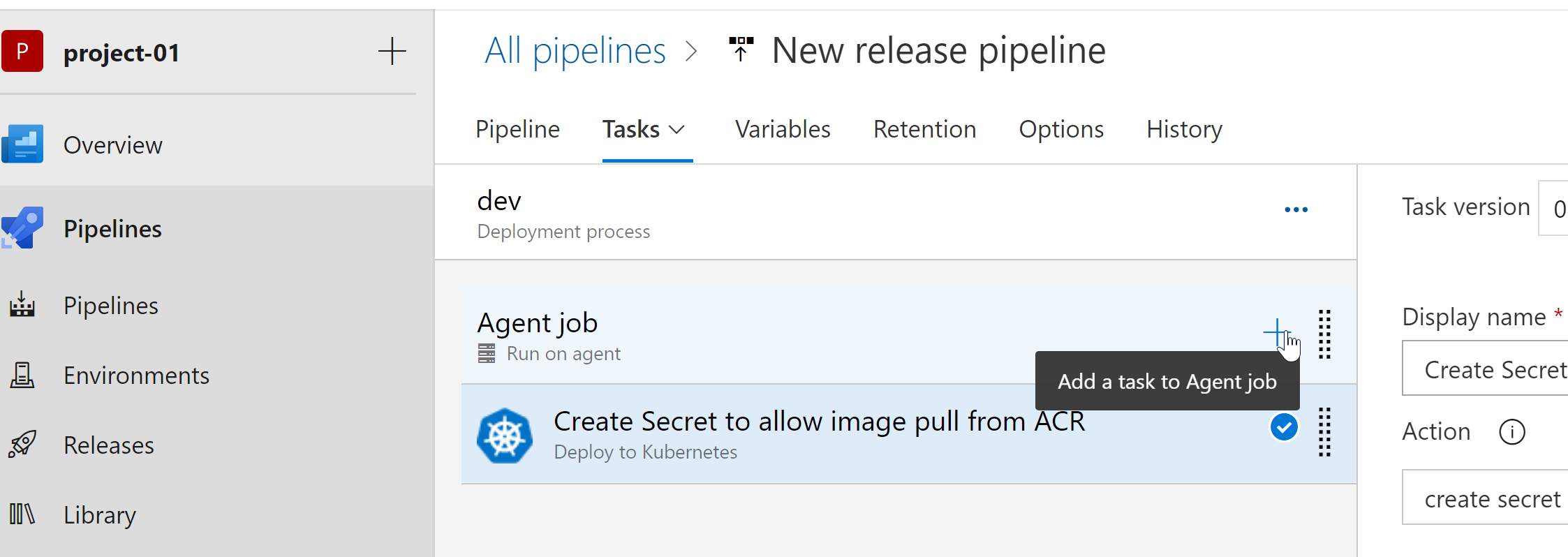


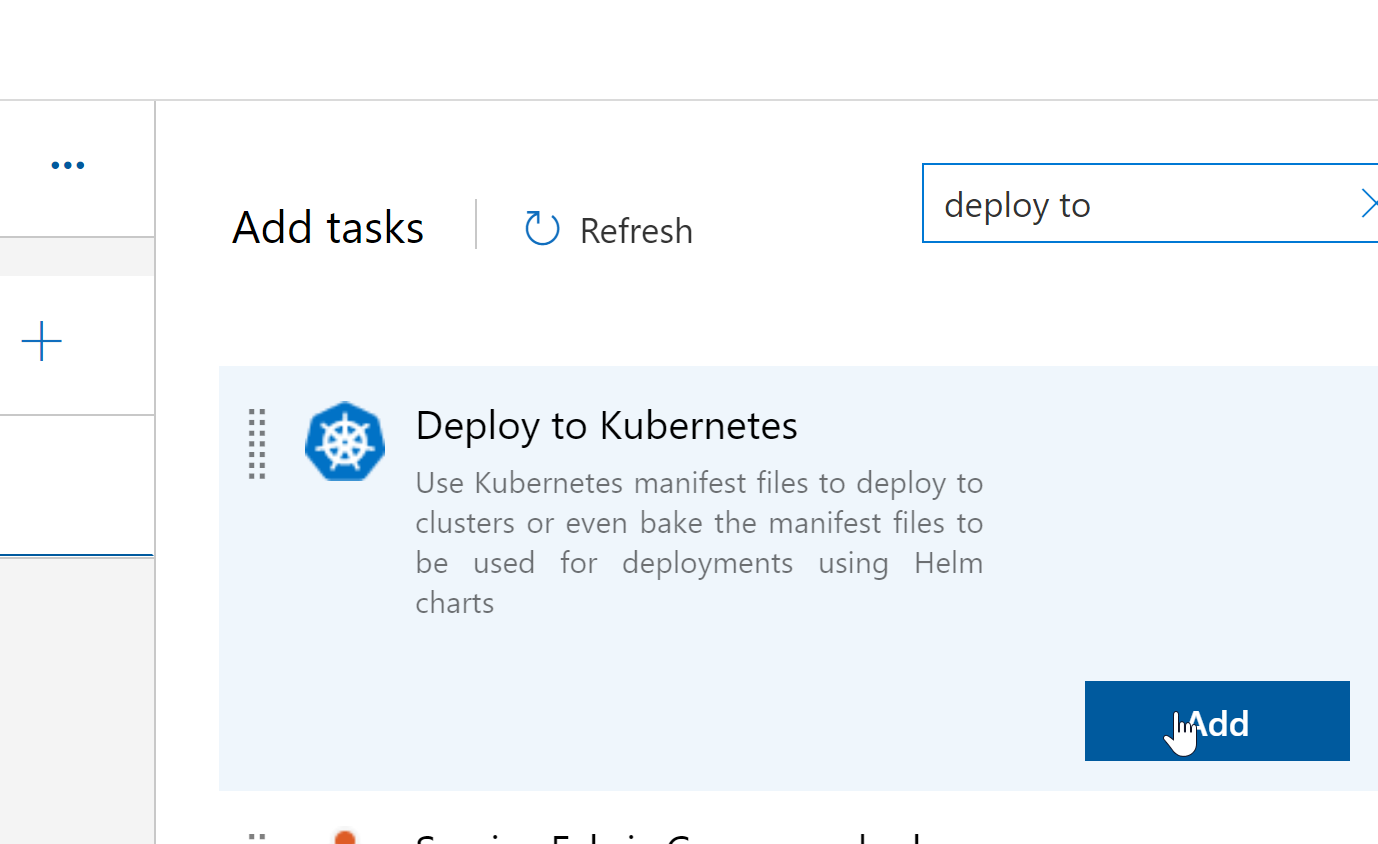


Enter below details and save

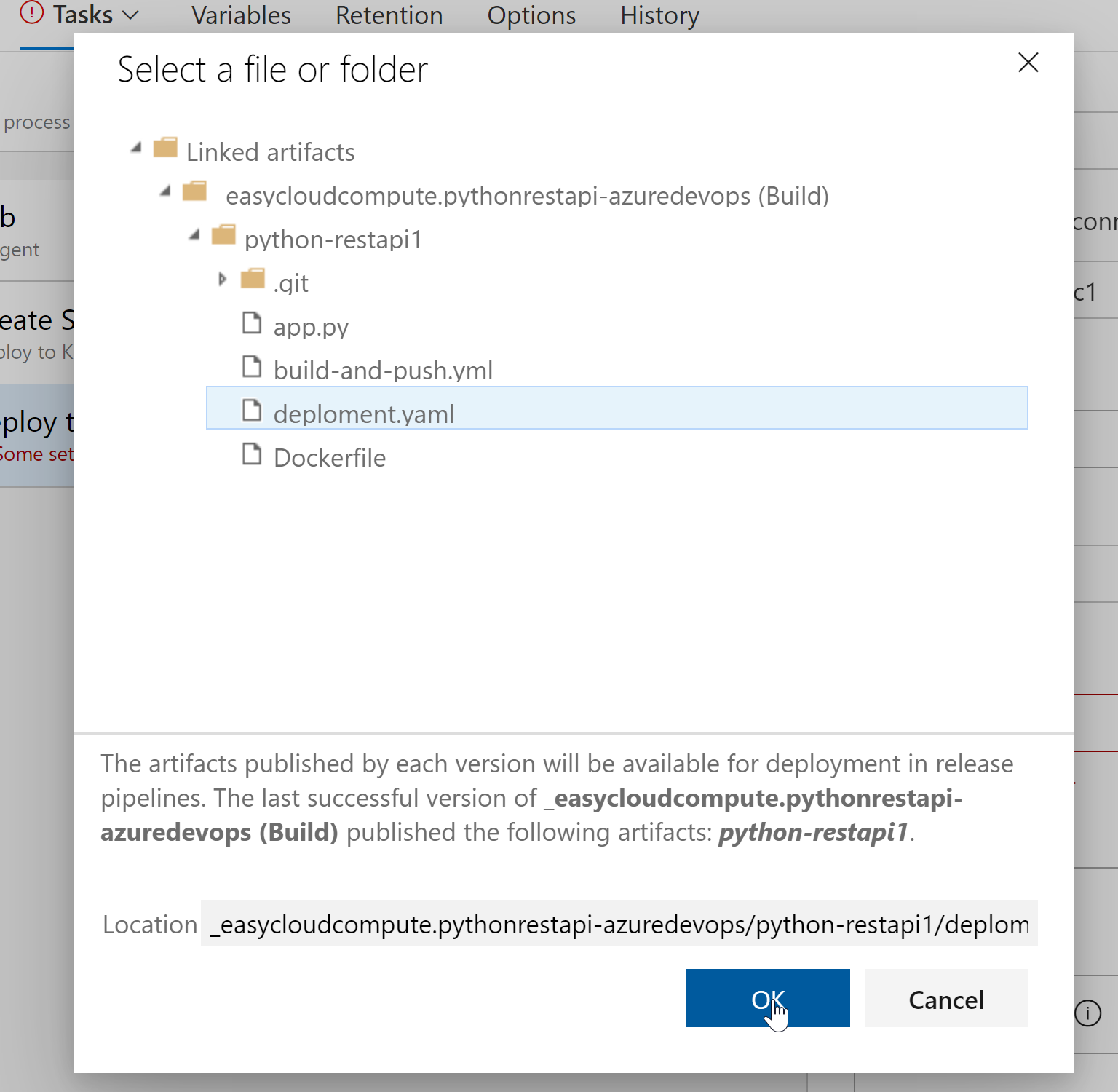


* Create another new task for deploying to AKS

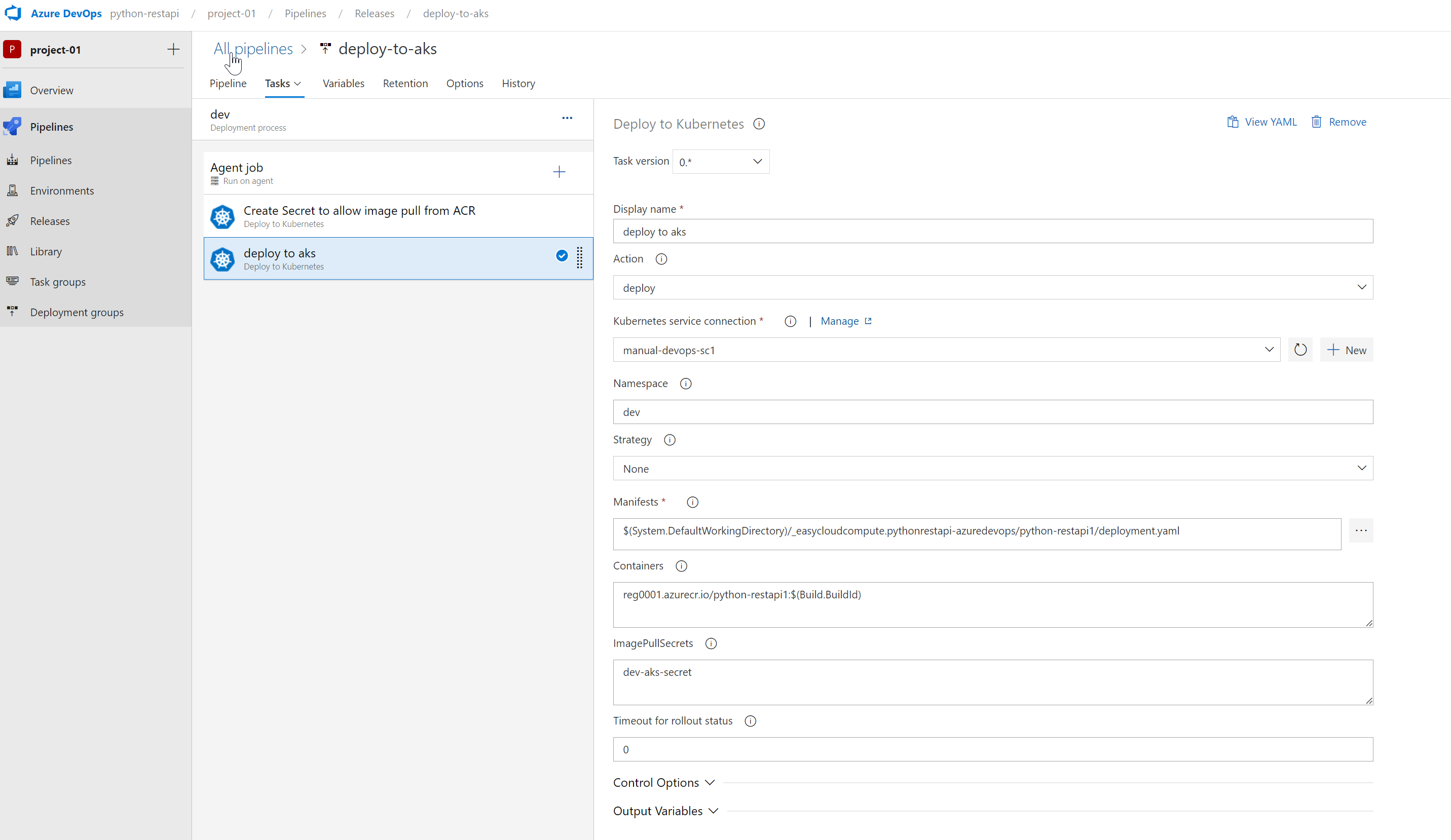




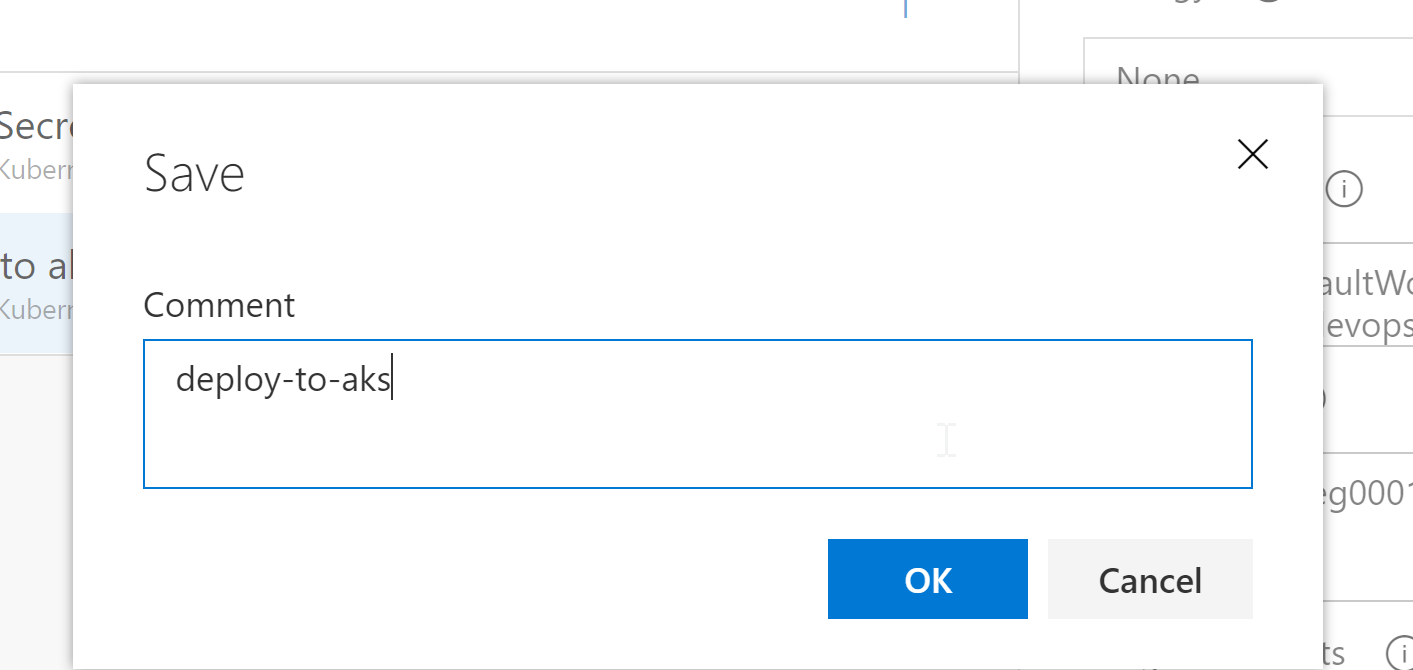
Select the artifact or manifest



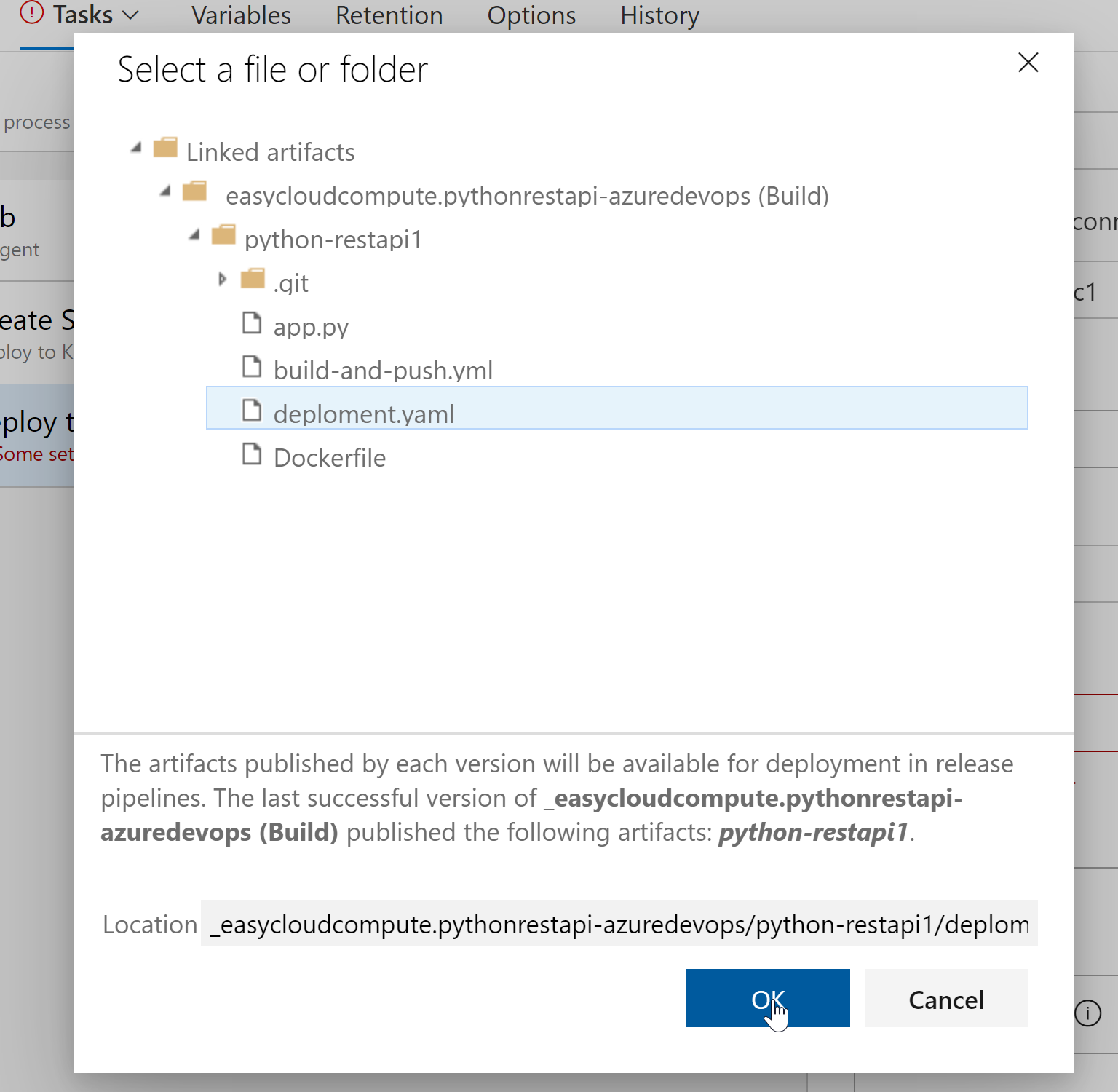
Enter below details and save



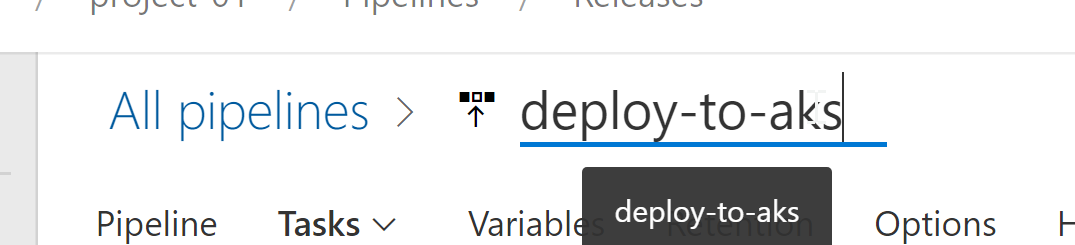
Save And Exit

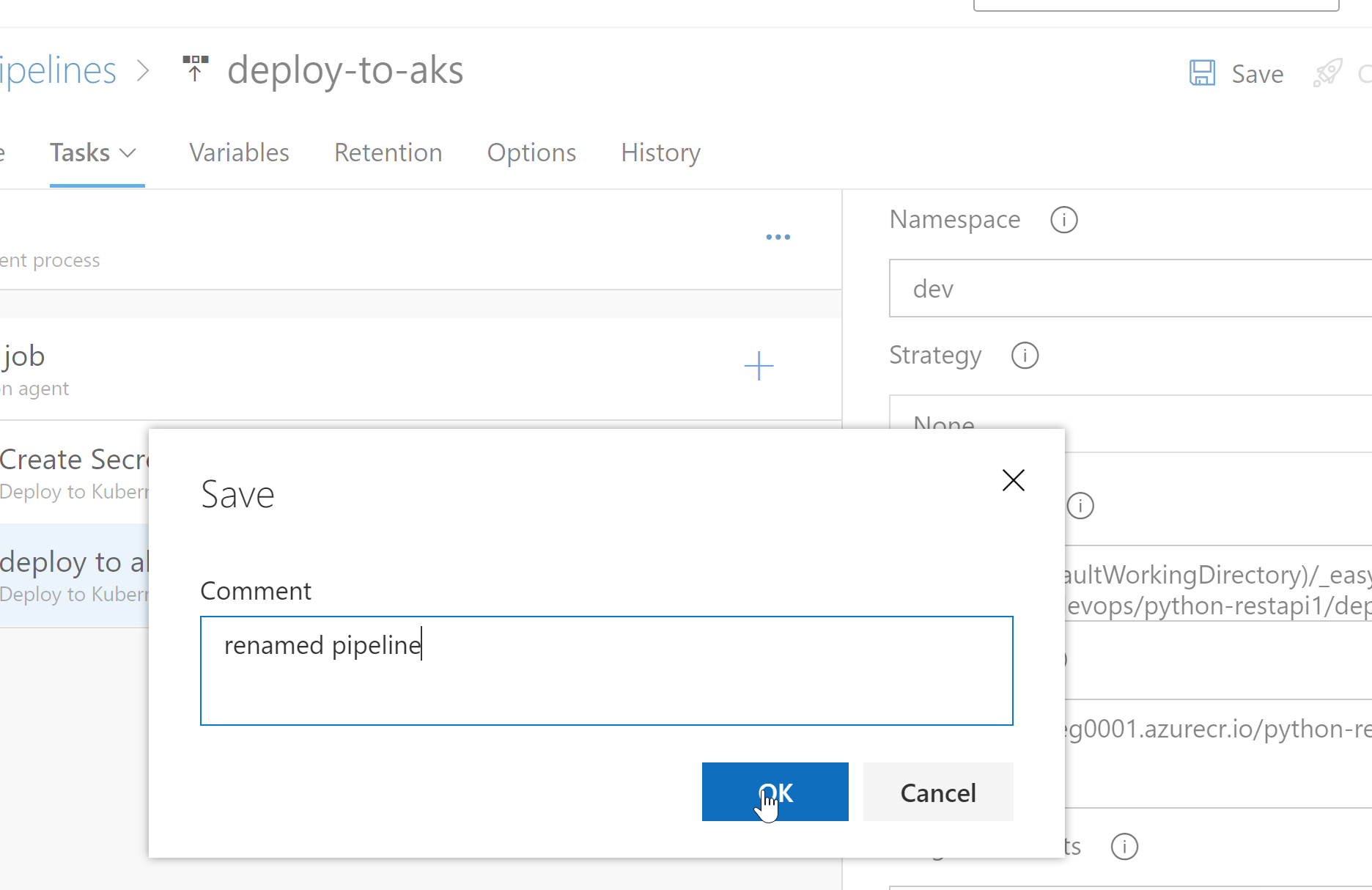


====================================================================================



* Rename pipeline and save





Verification

* Make any changes to github code and build pipeline will trigger
* This will trigger the release pipline that deploys the app finally

