

Advanced Deployment with Open Shift – Homework

This is a document to provide the necessary information about running the script, which is used to deploy the Open Shift cluster and complete the CICD pipeline, which is needed to successfully complete the homework assignment.

Git repository with the homework scripts: https://github.com/knutia/os_adv_depl_hw

Step	Description	Command
1	Go to root	sudo -i
2	Clone the git repository	git clone https://github.com/knutia/os_adv_depl_hw.git
3	Change directory	cd ./os_adv_depl_hw
4	Run the install script	sh ./install.sh
5	Uninstall the cluster (optional)	sh ./uninstall.sh

The ./install.sh script automatically deploys the OpenShift cluster, creates PVs with different sizes (5G and 10G) and creates the different users requested in the assignment.

The CICD pipeline is created in the task-build project and it is promoted to the task-dev, task-test and task-prod project automatically through the pipeline. A human being does not promote the pipeline as the resources and auto scale enabling on the dc/tasks task-prod project done by the install script then will fail. If you want a human being to approve promote, uncomment the comments in the Jenkins file for the pipeline in the task-build project.

The following table represents the Service and its Login credentials:

Service	Login credentials
Cluster-admin	admin/r3dh4t1!
Nexus	admin/admin123
SonarQube	admin/admin
Gogs Git Server	gogs/gogs

Release version: 3.11.43

Instructor: Jindřich Káňa

Venue: Kista Science Tower, Färögatan 33, 164 51 Kista, SWEDEN

Participant: Knut Ivar Alvestad (knut.ivar.alvestad@cgi.com)