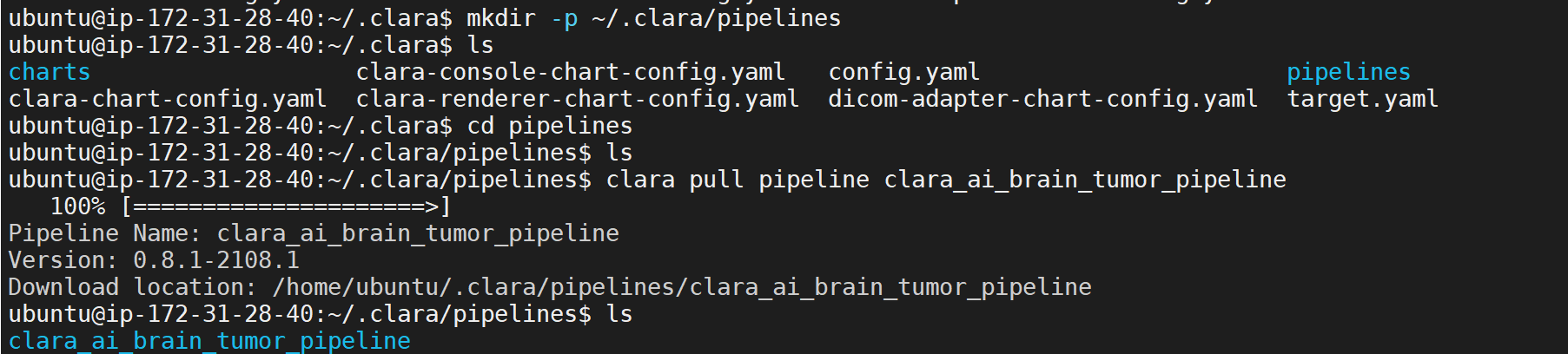
**Brain Tumor Segmentation with Clara Deploy Pipeline**

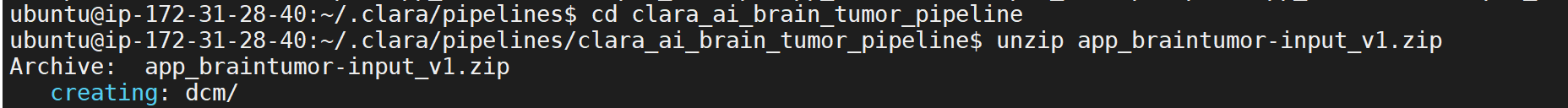
We will use the installed Clara deploy SDK (refer to previous posts to install Clara Deploy in AWS) to run a brain tumor segmentation pipeline. We will use the clara ngc segmentation model for this purpose (ref - <https://ngc.nvidia.com/catalog/resources/nvidia:clara:clara_ai_brain_tumor_pipeline>)

Create a pipeline folder and pull the pipeline from ngc

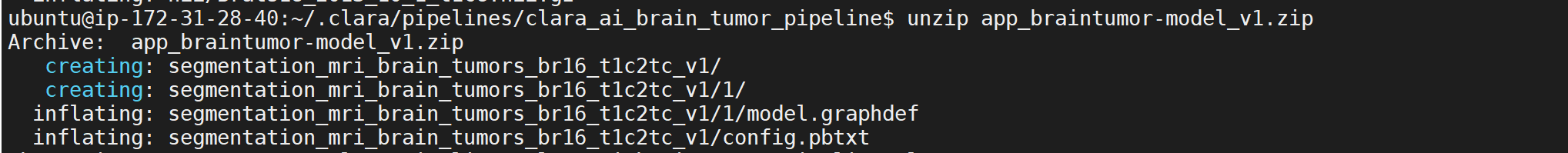
clara pull pipeline clara\_ai\_brain\_tumor\_pipeline



Unzip the input dicom series

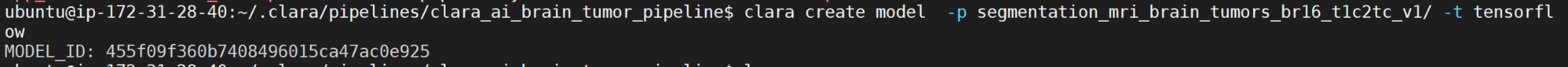


Unzip the model



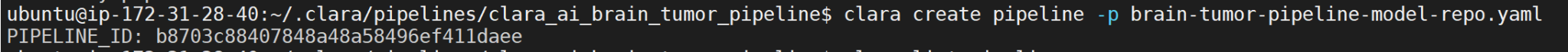
Register the model

clara create model -p segmentation\_mri\_brain\_tumors\_br16\_t1c2tc\_v1/ -t tensorflow



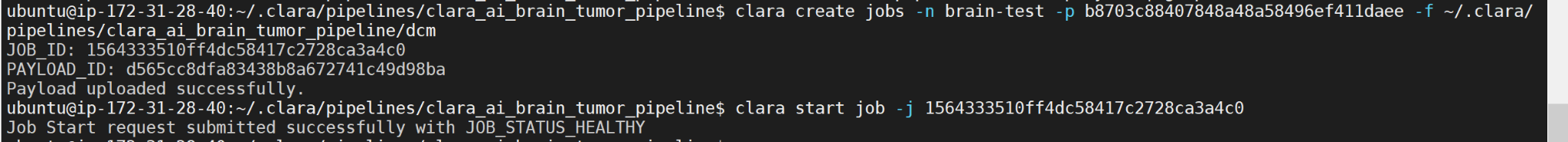
Create the pipeline

clara create pipeline -p brain-tumor-pipeline-model-repo.yaml

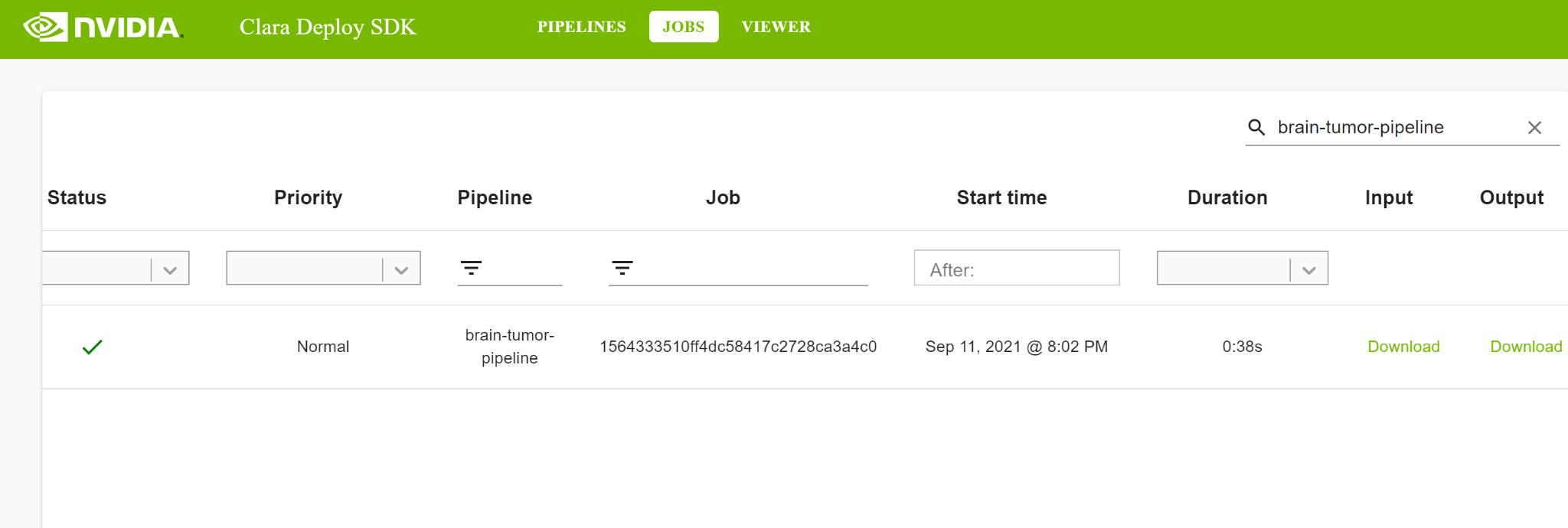


Create and start the job

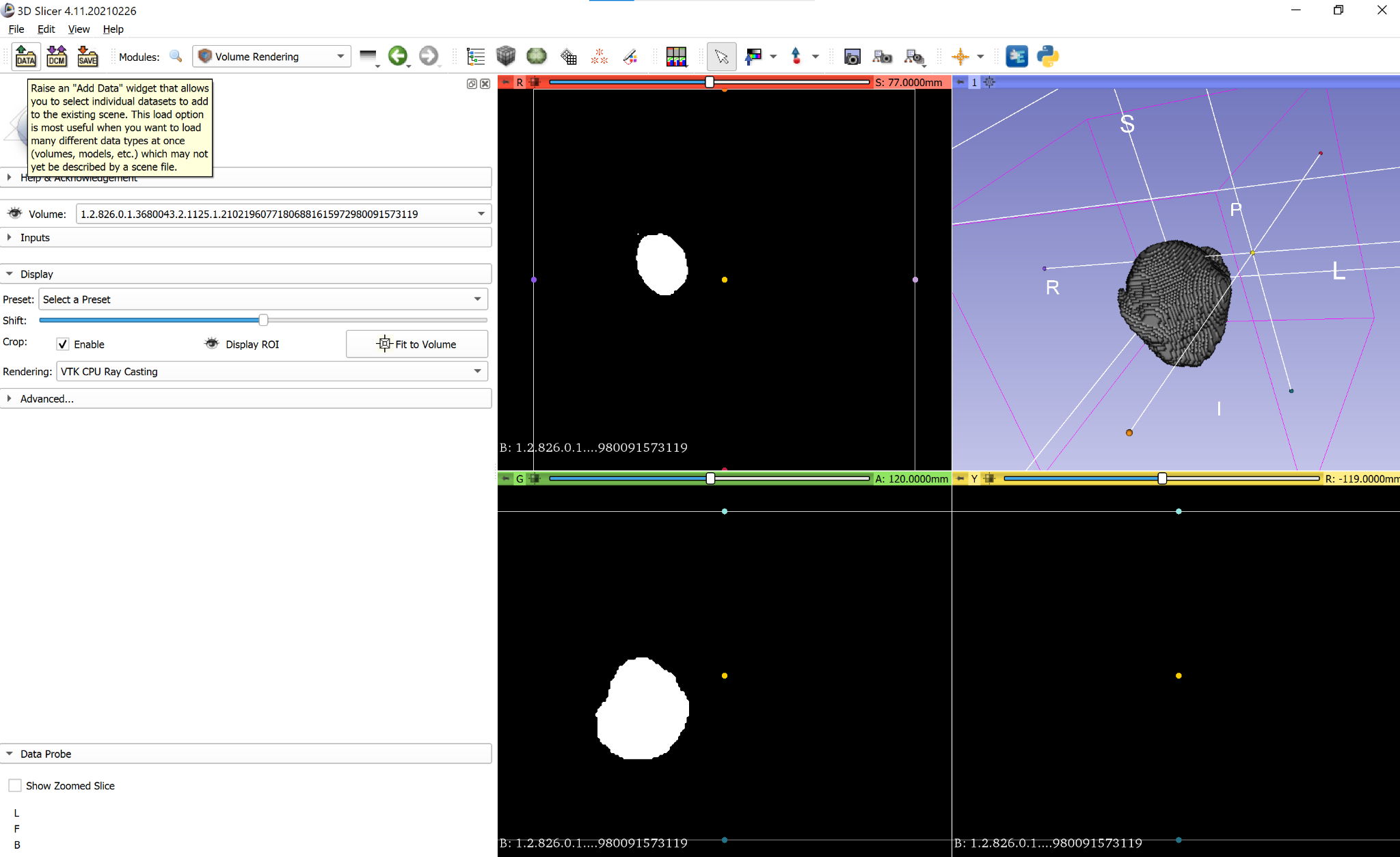
clara create jobs -n brain-test -p b8703c88407848a48a58496ef411daee -f ~/.clara/pipelines/clara\_ai\_brain\_tumor\_pipeline/dcm



Check the Clara Console in localhost:32002 and take the output download of the job.



View the output in 3d-slicer-segmented tumor



Location of the tumor through rendering

