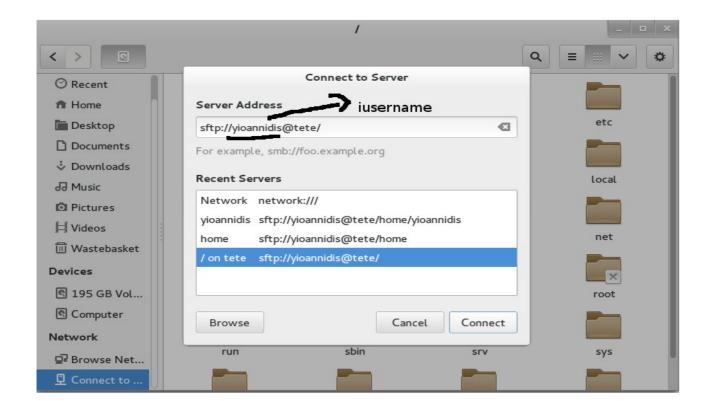
Qube Renderfarm Guide: Houdini

Scene setup

In order to prepare your scene for submission to the renderfarm, the following steps are suggested:

- Place scene file, and associated scene assets (eg. Textures, Sims etc.) in folders, within a single directory
- Make use of relative file paths using the \$HIP or \$JOB variables when assigning all scene assets
- (If \$JOB is being used it can be set in the textport i.e. set -g JOB = /render/i1234567/myHoudiniSceneDir)
- Copy the entire scene folder to your directory within /render on the tete server.
- This can be done using the Connect to Server... option which can be found in the Places main linux menu, all the way down



server address: **sftp:**//**iusername**@tete/

- It is sensible to add a bookmark to this location, so it can be easily accessed when setting up and accessing future renders.
- \circ Copy and Paste can be used to copy your scene directory into this directory ready for use on the render farm.

- Alternatively files can be copied using the sftp command line tool.
- Start Qube:
- Submit a Houdini job by clicking on: Submit-Houdini SimpleCmd-Houdini (hrender) Job ...

Suggested Qube Settings

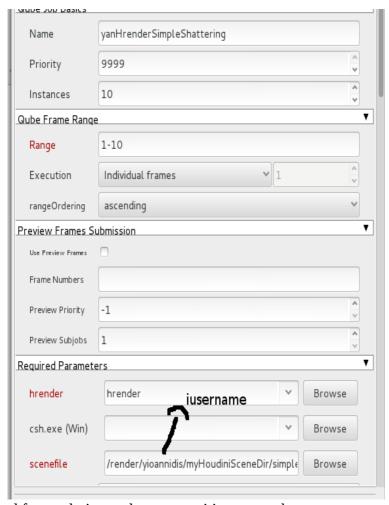
The following defaults are a good starting point for starting a Houdini job on the renderfarm.

Instances: Set number of frames to render in parallel (not more than 40)

Range: Specify frame range in the format start-end.

scenefile: Enter path to scene file to render i.e.

/render/<mark>iusername</mark>/myHoudiniSceneDir/simpleShattering.hipnc



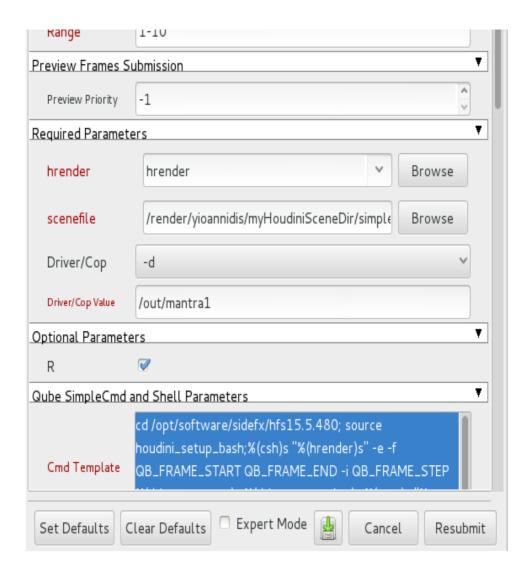
Driver/Cop: Select -d for rendering and -c compositing network output

Driver/Cop Value: Pick your output driver. I.e. /out/mantra1

R: Make sure this setting is enabled in order to make sure that a non-graphics render license is used rather than a full Houdini license

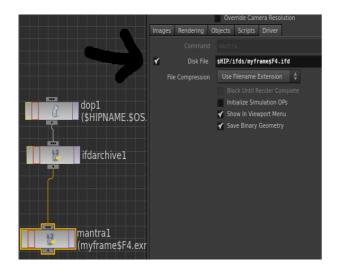
Cmd Template: Render command to be executed. This needs to include commands to initialize the HoudiniEnvironment. We recommend starting with the entire template shown here:

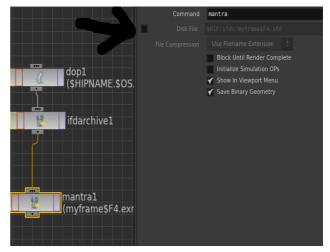
cd /opt/software/sidefx/hfs15.5.480; source houdini_setup_bash;%(csh)s "%(hrender)s" -e -f QB_FRAME_START QB_FRAME_END -i QB_FRAME_STEP %(driver_cop_arg)s % (driver_cop_value)s %(argv)s "%(scenefile)s"

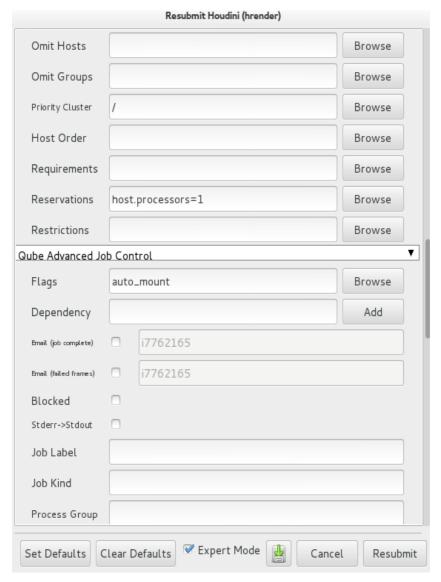


You can use the above command to either render your live scene directly or even generate **ifd** files for later use

(Houdini 14 equivalent setup)







Environment Variables: Used to add environment variables. Must have variable for license server set here

