

Nekkcloud User Console

Job status: Incompressible Navier-Stokes 10 time steps

Job ID: job-8f7ad7f6
Nektar++ Executable: IncNavierStokesSolver
Resource type: 4-core virtual server(s)
Number of processors: 4
Current status: COMPLETED (Job completed)

Job Manager Job

Input files Job Snapshots Output files

```

Wed Mar 18 13:58:39 2015<stdout> Writing: "/var/libhpc/job_data/job-00000001/job-8f7ad7f6_input_20.chk"
Wed Mar 18 13:58:39 2015<stdout> Time-Integration : 48.1289s
Wed Mar 18 13:58:39 2015<stdout> Writing: "/var/libhpc/job_data/job-00000001/job-8f7ad7f6_input_rld"
Wed Mar 18 13:58:39 2015<stdout> Total Computation Time = 52s
...
Wed Mar 18 13:58:39 2015<stdout> L_2 error (variable u) : 22.3149
Wed Mar 18 13:58:39 2015<stdout> L_1 inf error (variable u) : 1.27494
Wed Mar 18 13:58:39 2015<stdout> L_2 error (variable v) : 0.864575
Wed Mar 18 13:58:39 2015<stdout> L_1 inf error (variable v) : 0.651347
Wed Mar 18 13:58:39 2015<stdout> L_2 error (variable P) : 24.3993
Wed Mar 18 13:58:39 2015<stdout> L_1 inf error (variable P) : 4.96482
...

```

☞ WHAT is Nekkloud?

- ☞ A web-based interface for spectral/hp element analysis using the Nektar++ software

Snapshots		Snapshot ID	Job checkpoint
	Preview	snap-ca6ff15c	3
		snap-9297def1	8

Take snapshot

Output files

Name

job-8f7ad7f6_output.tar.gz
job-8f7ad7f6_output_combined.tar.gz
job-8f7ad7f6_movie.avi

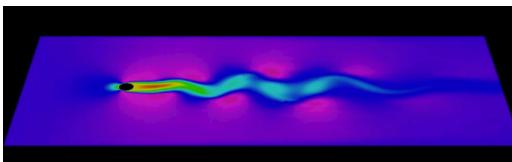
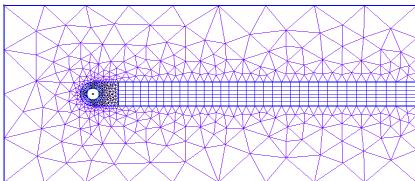
Size

15.7 MB
15.7 MB
40.8 KB

14:01:51

Nekkloud

Spectral/hp Element Analysis on Clusters and Clouds using Nektar++



☞ WHY did we build it?

☞ To simplify access to clusters and clouds for Nektar++ users

- ☞ HOW can you find out more?
contact@nekkloud.com
Demonstrator coming soon at nekkloud.com
- ☞ Talk to us about using the tool with other compute-intensive HPC apps