

Grid and Cloud Computing

Dr. Guy Tel-Zur

Home assignment #2

Subject: UNICORE [1]

Grading

Steps 1 to 3: up to 90%

Step 4: up to 10%

Instructions

1. Download and install UNICORE *Rich Client* [2].
2. Create a workflow DAG of 3 stages: 1. Computes an estimate of pi then 2. Stage 2 computes an estimate of e and finally 3. a third stage that computes $e^{\pi-pi^e}$. (Use the same algorithms of home assignment #1 but do only one computation for each stage).
3. Execute the script on the UNICORE *testbed*.
4. Install the UNICORE server and repeat 1-3 to be computed locally. (Needs an administrator/root access).

What to submit:

Make a zipped tar file of: screen captures, log files, programs, results and any other documentation you would like to add. Send your assignment to **`guycomputing@gmail.com`**

Due:

End of the semester.

References

[1] <http://www.unicore.eu>

[2]

[https://sourceforge.net/projects/unicore/files/2%20UNICORE%206%20Clients,%20Applications,%20and%20APIs/2.1%20UNICORE%20Rich%20Client%20\(URC\)/](https://sourceforge.net/projects/unicore/files/2%20UNICORE%206%20Clients,%20Applications,%20and%20APIs/2.1%20UNICORE%20Rich%20Client%20(URC)/)