Testing Framework for Ensemblemd

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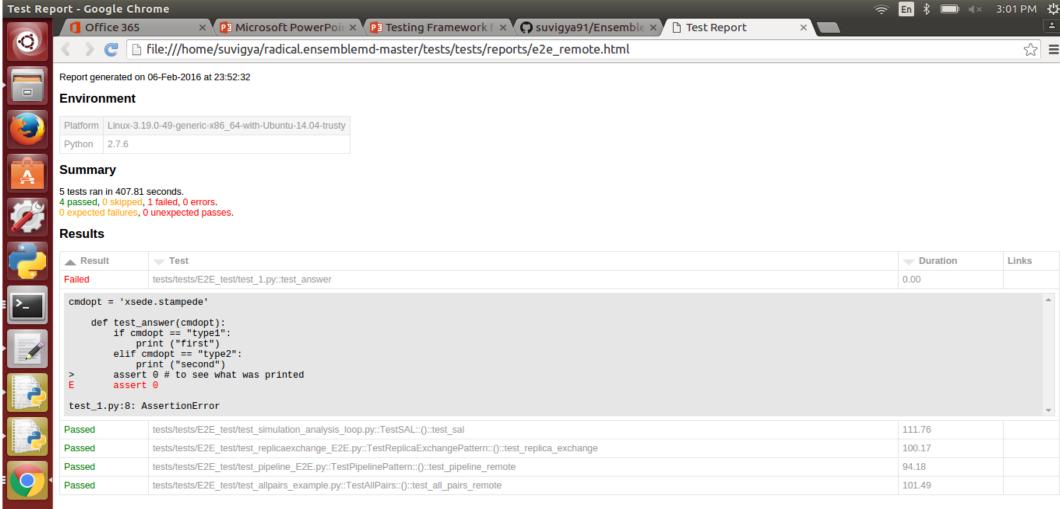
Guide: Dr. Shantenu Jha

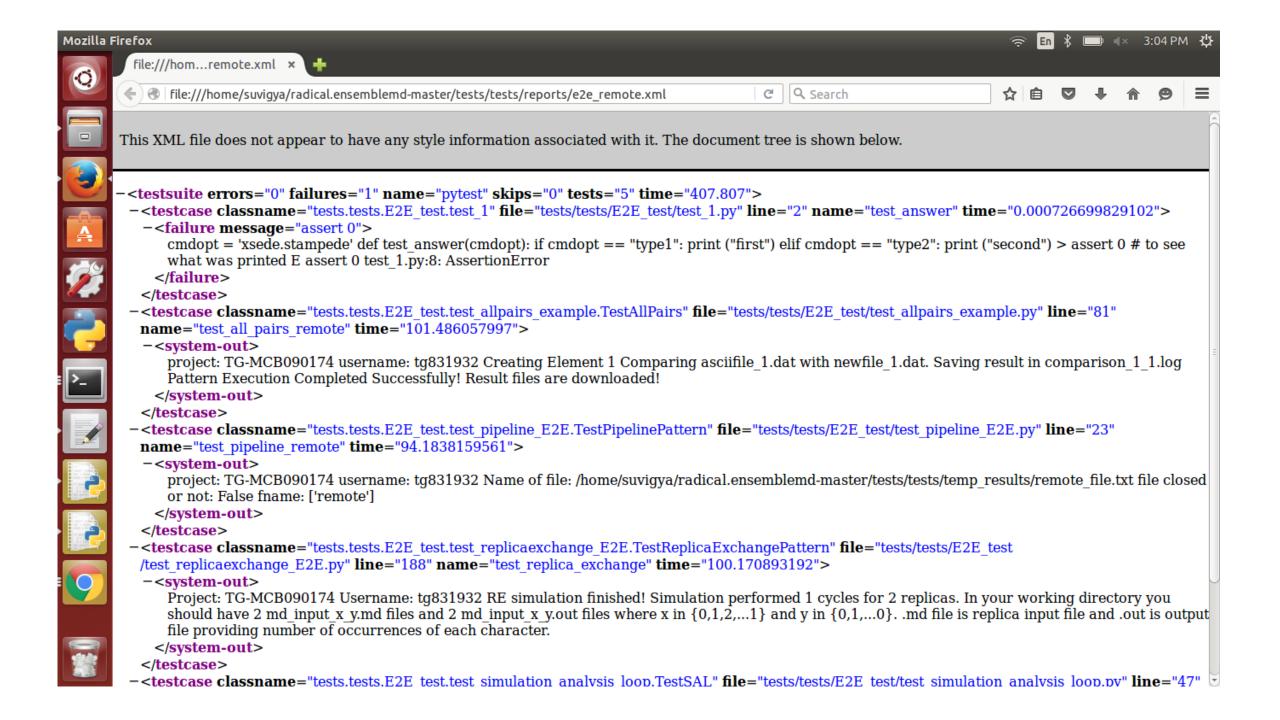
February 10, 2016

Testing Framework

- EnsembleMD API Testing
- End-to-End Testing
- Blackbox Testing

Output and Reporting





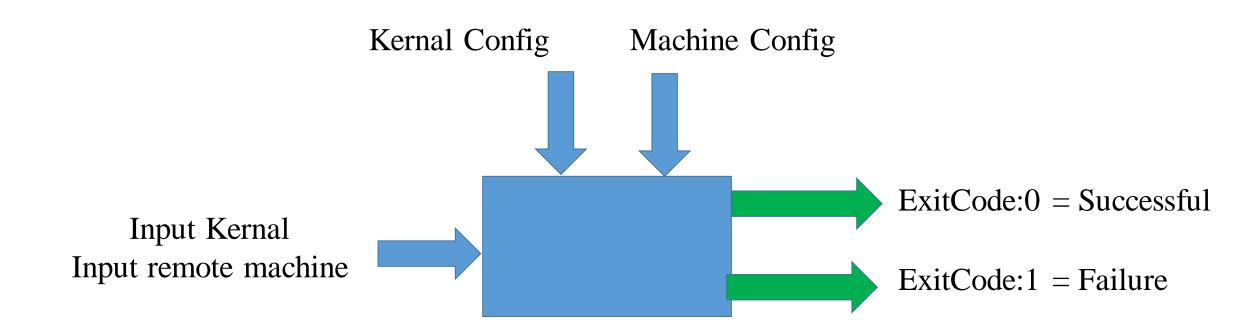
Success - Failure

- Successfully ran on:
 - Stampede
 - Localhost
- Issues running on Gordon
 - Unknown "queue"
 - Did not allow to run code on Gordon

EnsembleMD API Testing

- Building Block API Test cases
- Pattern API Test cases

Standalone Testing/ Black box testing



Current Work in Standalone Testing

- Transfer files to remote machine (stampede)
- Ran dummy hello_world code from slurm script
- Extracted out job_id

Road Map

- EnsembleMD APIs:
 - Pattern APIs Completed
 - Execution API To be completed by 2/6/2016
- E2E Testing: To be completed by 2/10/2016

• Blackbox testing: To be completed by 2/20/2016, simultaneously start writing

Suggestions/Improvements