

2016-11-21 Performance - Scale meeting

Time/Place

- Time: 11:00AM Eastern Time US (UTC-5)
- Dial-in Number: (712) 775-7035
 - Participant Code: 479307#
 - International numbers: [Conference Call Information](#)
 - Web Access: <https://www.freeconferencecallhd.com/wp-content/themes/responsive/flashphone/flash-phone.php>

Attendees

- [Nick Ruest](#)
- [Andrew Woods](#)
- [Yinlin Chen](#)
- [Danny Bernstein](#)
- [David Wilcox](#) ★

Agenda

1. Update on [graphs and summaries of completed tests](#)
 - a. If R-scripts are ready, would be good for all to run over their results
2. Update on release testing participation
 - a. UCSD? UT Austin? Princeton?
3. Establishing environment baselines: [Colin Gross](#)
 - a. How can the team help?
 - b. Short-running tests?
4. ...

Minutes

Update on graphs and summaries of completed tests

- https://github.com/grosscol/fcrepo_perf_analysis
- Script designed to work against the log output of the JMeter tests
- One JMeter component (that outputs a graph) should not be configured while running a test due to the performance impact (and the graph output is not needed)
- It would be useful if everyone were familiar with the R scripts, bringing R environments up to date, etc.
- **Action:** Everyone should run the scripts in local R environment to build familiarity
- Final test outputs can be attached to the test result pages
 - We will need to distill these results into an overall message

Update on release testing participation

- A number of institutions are committed to testing future Fedora releases on an ongoing basis using their own production data
- This can have an impact on performance and scale testing as some institutions will have large collections/datasets
- We should add columns for committed institutions to the release testing pages so they can sign off on each release after testing
- We will continue to reach out to more institutions to add to the list

Establishing environment baselines

- Colin put together a script that identified characteristics of a test platform
- Andrew put together a script to identify additional performance characteristics
- Colin will refine JMeter tests to be short running rather than running until Fedora fails
 - We can run these while varying characteristics along the way (I/O, memory, etc.)
 - Establish characteristics between hardware and application performance

Actions

- [Colin Gross](#) will look into putting together a script for baselining hardware and network characteristics to be factored into each test run.
- [Danny Bernstein](#): Summarize the existing test data.