Office Companion Performance Testing Plan

The purpose of this testing plan is to measure server-side performance of Passport, under load, with specific reference to the endpoints used by the Office Companion product.

## Objectives

* To determine the performance of the Passport server, as measured by response time, under various defined concurrency loads
* To measure the impact to server error rate of incrementally higher concurrency loads
* To measure the impact to document operations of varying document sizes and upload endpoints
* To identify specific API calls which tend to have poor performance
* To furnish a baseline for comparison with subsequent runs

## Environment

* TBD

## Load test scope and approach

* Direct API calls made to Passport endpoints using JMeter
* Calls as made by Office Companion only
* Simulated concurrent users (1, 25, 50, and 100 users)
* Specific workflow activities as defined below in Scenarios
* Alfresco document repository containing 8MM documents
* Passport database containing 20,000 matters
* Sample document size of 1 MB
* Sample email size of 200KB
* Think time of 5-10 seconds
* Test run time of 45 minutes

## Load test scenarios

1. Open Office Companion
2. Click on Matters tab
3. Search for a matter by name
4. Reset search
5. Filter matter list
6. Open matter summary page
7. Open documents tab
8. Upload document
9. Download document
10. Check out document
11. Check in updated document
12. Delete document
13. Open emails tab
14. Drag five emails to matter
15. Delete uploaded emails
16. Open narratives tab
17. Click “add narrative” button
18. Add narrative
19. Delete narrative
20. Open tasks and events tab
21. Click “add task” button
22. Fill out add task form
23. Add task
24. Delete task

## ~~Document handling scope and approach~~

* ~~Direct API calls made to Passport endpoints using JMeter~~
* ~~Mixture of Office Companion and Passport calls, for reference~~
* ~~Simulated concurrent users (1 and 10 users)~~
* ~~Specific workflow activities as defined below in Scenarios~~
* ~~Alfresco document repository containing 8MM documents~~
* ~~Passport database containing 20,000 matters~~
* ~~Variable sample document size (10KB, 100KB, 1MB, 10MB)~~
* ~~Think time of 5-10 seconds~~
* ~~Test run time of 30 minutes~~

[Determined to be redundant]

## Sample report output: transaction time vs. number of users



## Sample report output: load test statistics

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