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.) Click “add document” button

9.) Fill out add document form

10.) Add document

11.) Download document

12.) Check out document

13.) Check in updated document

14.) Delete document

15.) Open emails tab

16.) Drag five emails to matter

17.) Open narratives tab

18.) Click “add narrative” button

19.) Fill out add narrative form

20.) Add narrative

21.) Open tasks and events tab

22.) Click “add task” button

23.) Fill out add task form

24.) Add 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

Document handling test scenarios

For each document size in list of sample document sizes:

1.) Upload document

2.) Download document

3.) Check out document

4.) Check in updated document

5.) Delete document

6.) Search for document in list

Sample report output: transaction time vs. number of users

Sample report output: load test statistics