

Application Server Load Testing

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1 Tsung Load Testing

In this section, we describe the results from load testing with both vertically and horizontally scaled application servers.

1.1 Vertical Scaling

Vertical scaling was tested in 6 phases with 2, 4, 8, 16, 32, and 64 users arriving at the page every second.

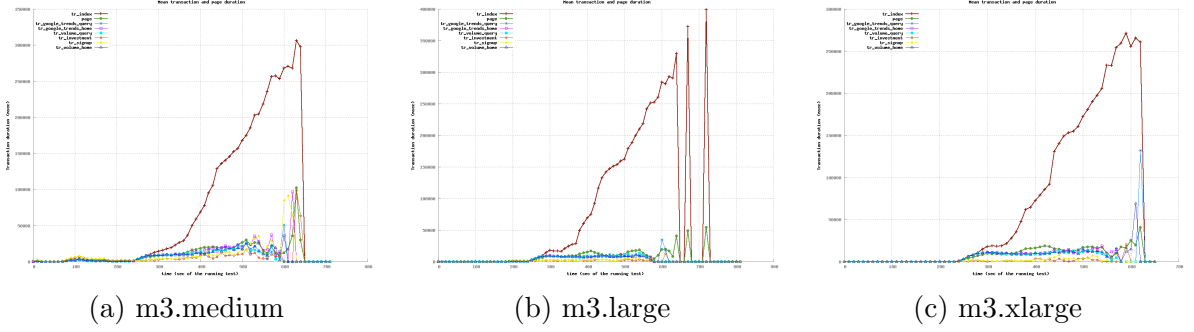


Figure 1: Mean transaction and page duration for three m3 instances.

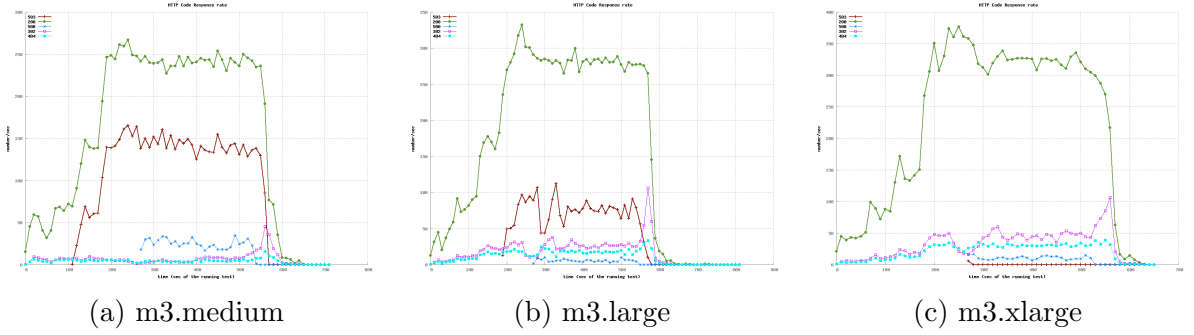


Figure 2: HTTP code rate for three m3 instances.

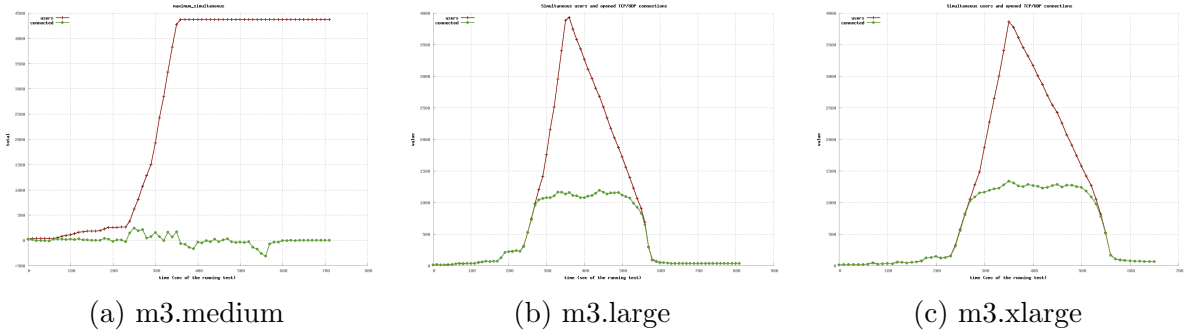


Figure 3: Number of simultaneous users for three m3 instances.

1.2 Horizontal Scaling

This section will discuss horizontal scaling