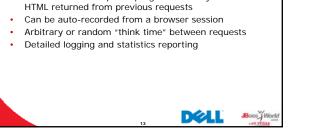
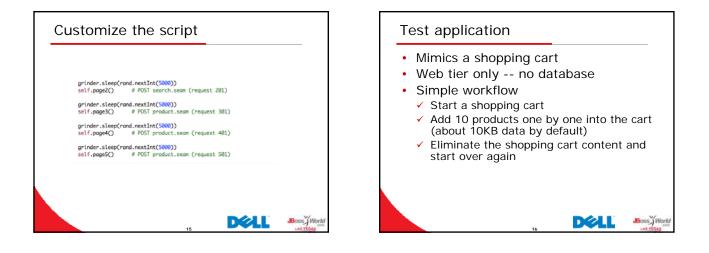


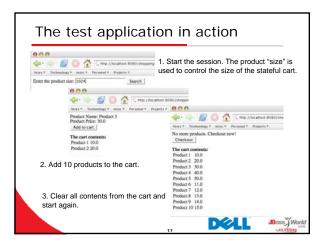
Jython script

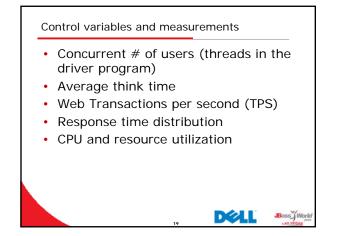
- Supports all common HTTP features (proxy, authentication, cookies etc.)
- Make any request (or group of requests) a test and gather statistics on it
- Constructs new requests programmatically based on HTML returned from previous requests

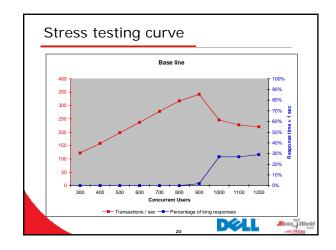


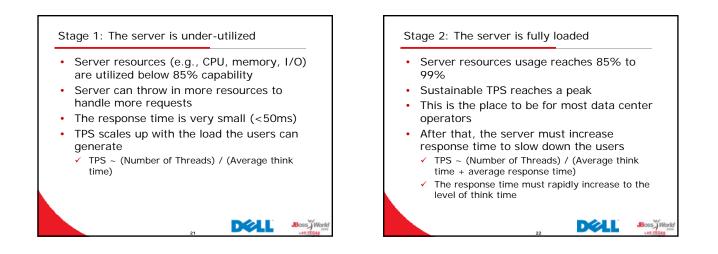


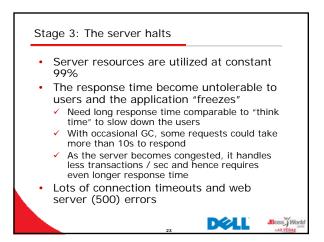


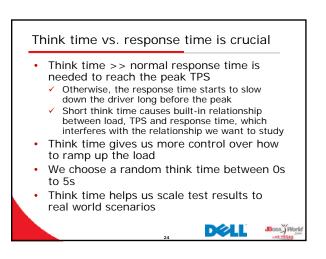




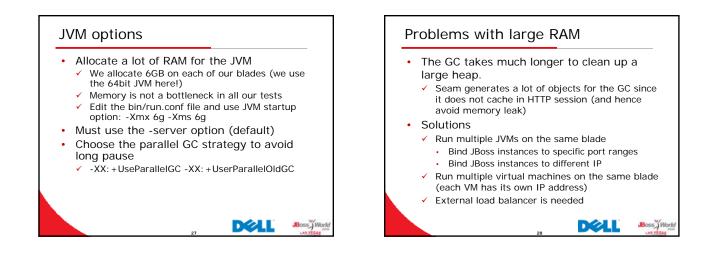


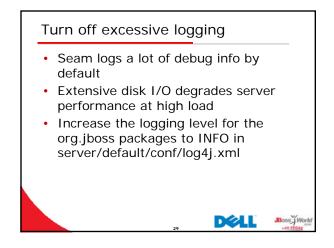


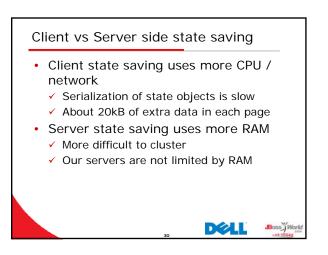




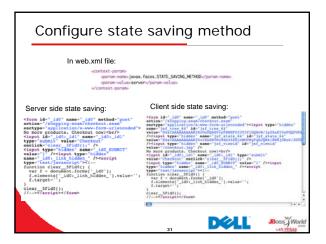
From test to real users Agenda Real users may require much more think The basics time than 5s The test tools and environment In theory, if the real user needs up to 50s think time, a real world server can handle Interpret performance tests results 10x concurrent users than the test threads Optimize Seam on a single server In reality, the scale from test threads to Load balanced cluster real users might not be linear with think time: In the real world More users require more resources (e.g., HTTP sessions, sockets, and thread switching) ~ DØLL Boss Work Dêll

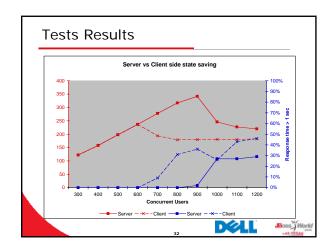


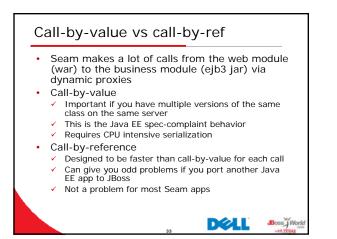


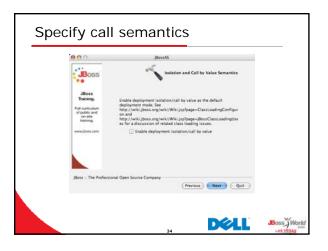


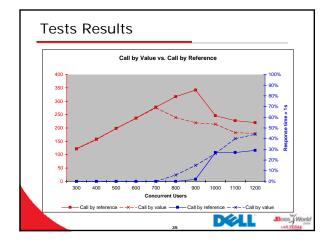
Boss Work

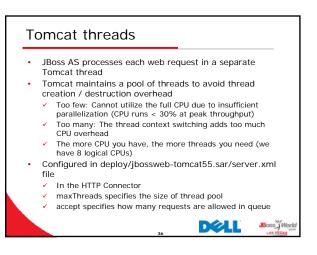


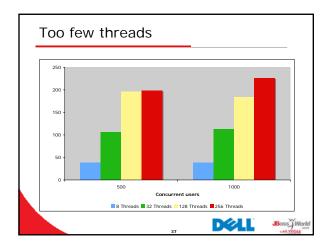


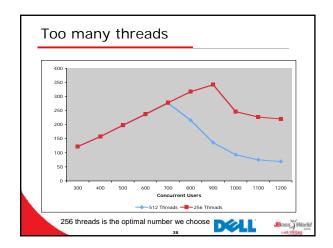


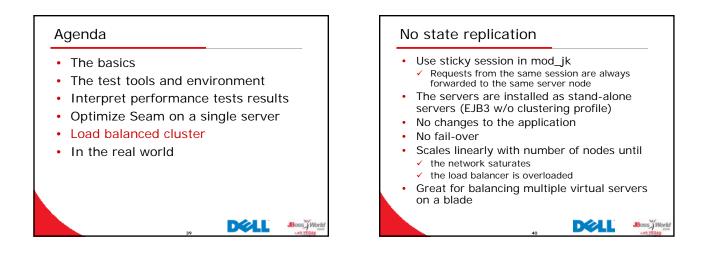


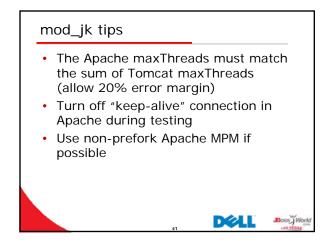


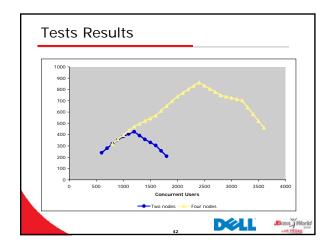


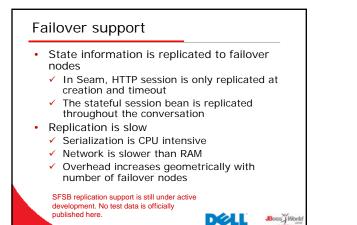








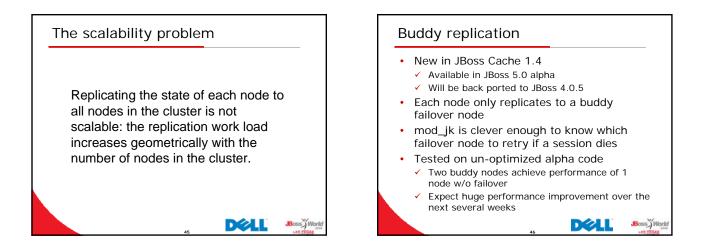


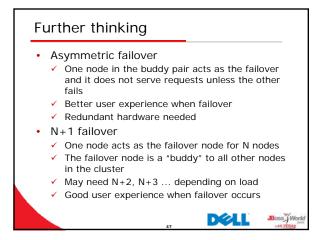


Must use sticky session Simple load balancing without sticky session distributes requests randomly to all nodes in the cluster Works under low load (browser test) At 30 TPS, we see around 10% of the requests generate HTTP 500 errors Sticky session Each node handles its own sessions and replicates the states over other nodes in the cluster as failover Config mod_jk to retry failover nodes

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Agenda

- The basics
- The test tools and environment
- Interpret performance tests results
- Optimize Seam on a single server

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Boss Work

- Load balanced cluster
- In the real world

