Purpose

- Evaluate performance of DHTs
- Simulate load specific to the domain
- Gain experience with DHTs
What’s it good for?

• Quick change / test cycle
• Logging performance ‘experiments’
The Test

- Single Client
- Record Size = 1024k
- # Records = 5 million
- Simple put/get
Read Pattern

- More likely to read ‘just written’ entries, than older ones
Kilo-Writes / Sec

Cluster Size

KW/sec

Cassandra
Voldemort
Cassandra Latency

<table>
<thead>
<tr>
<th>Cluster Size</th>
<th>Avg Read</th>
<th>99 Read</th>
<th>Avg Write</th>
<th>99 Write</th>
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</thead>
<tbody>
<tr>
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Valid Test?

• Single client
• Non-Simple Gets
• Noisy environment (AWS)
• Short experiment time
• Not hitting disk
• Not failing servers
• …
• …