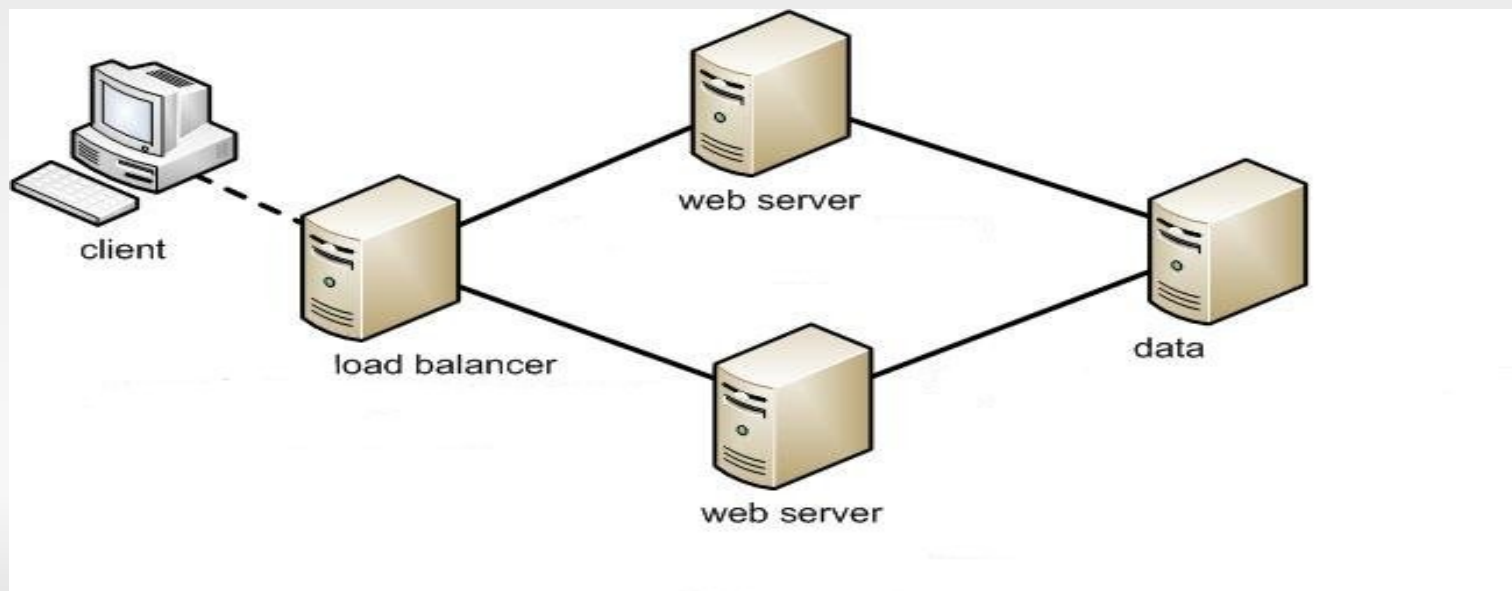


OGN10 – Jan 21st

Clustering Tomcat
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What?

- Java Servlet Container
- Busy website that can't run on one computer
 - Database
 - Users



What's the problem?

- Shared state needs to stay in sync
 - Sessions
 - Database
 - Caching
 - Locking
 - and more...

Sessions

- Tomcat
 - Hanging problem
- Memcached/database
 - Lost update
- JBoss Cache
 - Buddy system

Sticky Sessions

- Every request from your load balancer for a user goes to the same server.
 - IP/Cookies
- What if that server is dead?
- Requires SSL offload
- Help with rolling deployment.
- Make it hard to do 'lazy monitoring'

Caching

- No caching
 - database transactions
 - Slow
- Distribute cache updates
 - Crashing problem
- Async cache updates
 - POST + Redirect problem
 - Facebook have a solution

Memcached?

- Popular
- Not as fast – network latency

Conclusion

- Be careful
- Use sticky sessions

Advertising

- We7 – Free music streaming
- Buy MP3s
- No DRM
- www.we7.com

