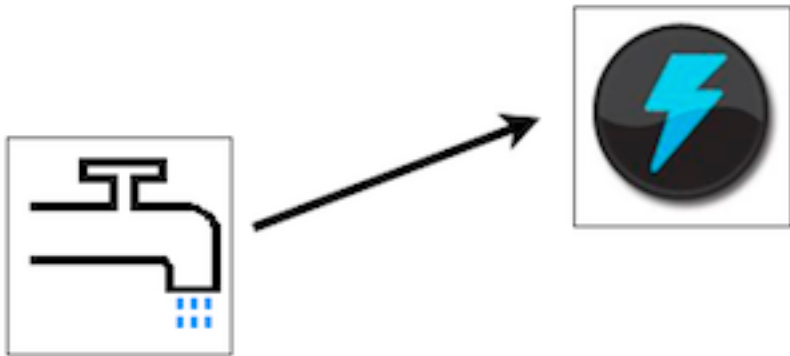# Storm on multicore

Mark Nemec
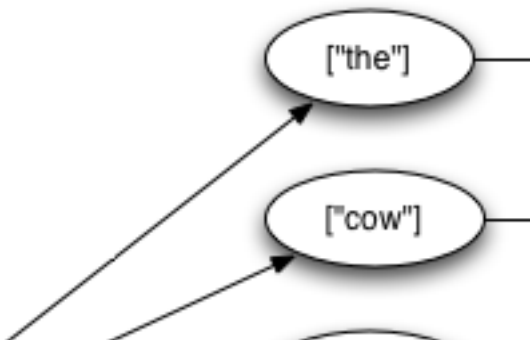
October 8, 2014

What is Storm?

- Real-time distributed computation framework
- Defined in terms of a topology using spouts and bolts
- Programming language agnostic
- Fault tolerant

Example Topology

Spout -> Bolt 1 -> Bolt 2

- A spout generates random sentences
- First bolt splits the sentence into words
- Second bolt counts the word occurrences

["the"]

["cow"]

What is my project about?

Borrowing ideas from Storm and applying them in the context of multicore CPUs.

- Perform parallel computation on a single multi-core server
- Complete control over computation, no need to rent clusters in a data centre
- Remove overhead from nodes communicating across a cluster

My plan

- Change as little code as possible
- Find functionality that needs to be stripped.
-

Timeline

1. ~~Learn how to use Storm~~
2. Trim down the code base
3.

Thank you for attention.

-