HBase 101

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Introduction

- Quickly get started with HBase
- Use standalone mode on your laptop
- Write "Hello HBase World!"

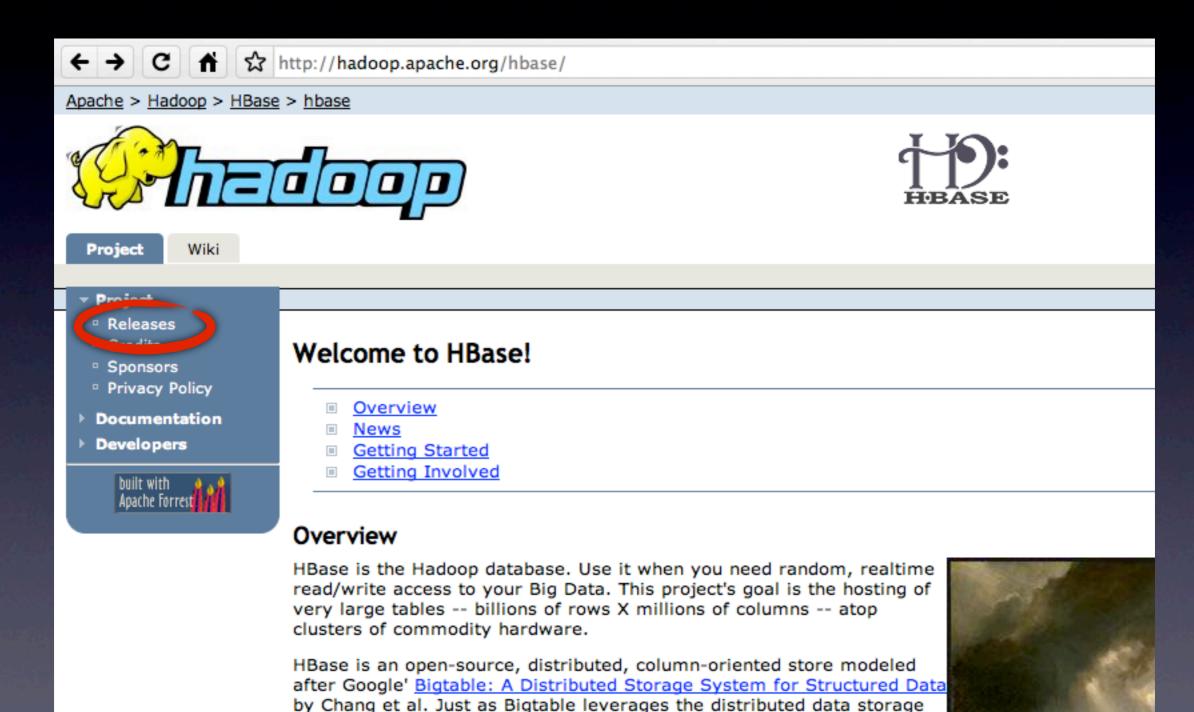
Requirements

- Java 6
- Windows? Cygwin maybe

Get Lab on Github

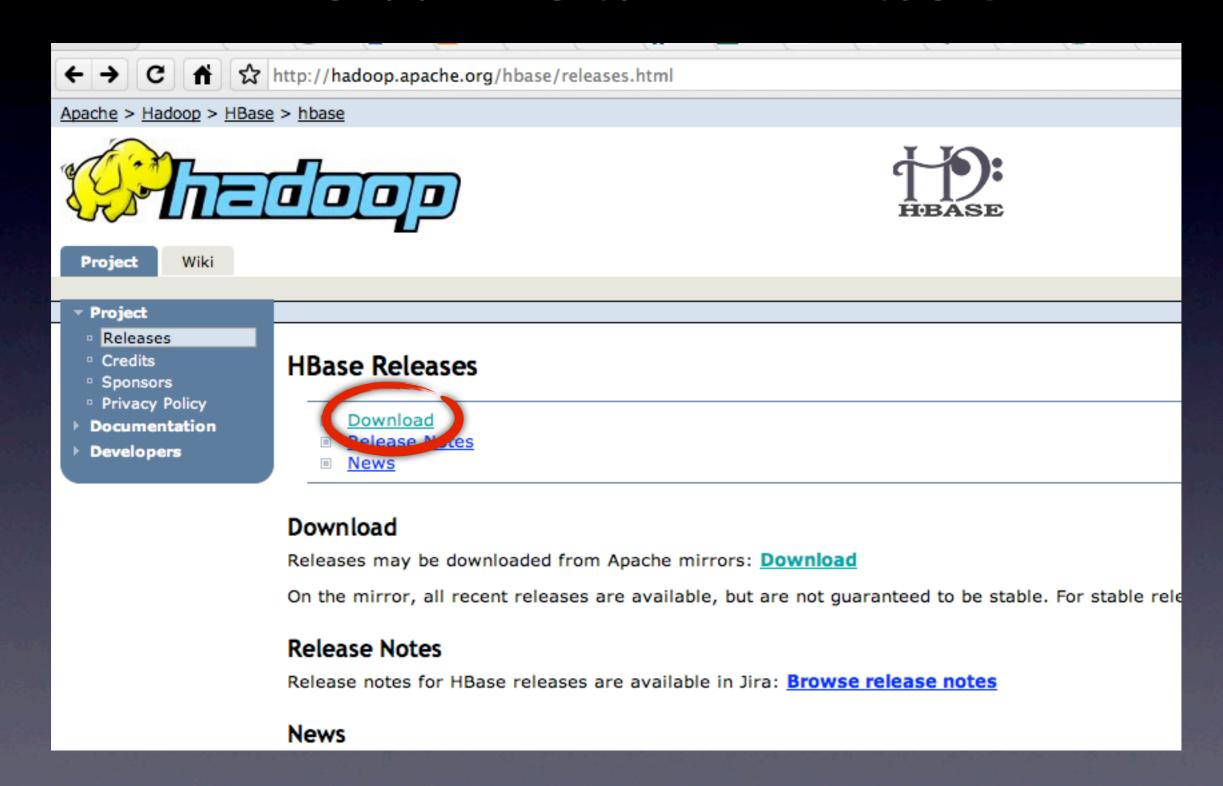
- Handy download:
- http://github.com/ryanobjc/hbase-lab

Download HBase



provided by the Google File System, HBase provides Bigtable-like

Download HBase



Untar package

• tar -zxvf hbase-0.20.3.tar.gz

Optional

- Use my 0.20.3-rl for easier standalone on windows
- Patch will be rolled into 0.20.4
- It's on github
- If you do this, replace hbase-0.20.3 with hbase-0.20.3-rl in the following examples

Start HBase standalone

- cd hbase-0.20.3
- bin/start-hbase.sh
- bin/hbase shell

Create table

- In shell:
- bin/hbase shell
- > create 'test_table', {NAME => 'test'}

Setup project

- Using IntelliJ or Eclipse, new project
- Add hbase-0.20.3/*.jar hbase-0.20.3/lib/*.jar and hbase-0.20.3/conf to classpath

Ant?

- To build:
- **\$** ant
- To get classpath:
- \$ ant classpath

Client 1: Put

Examine results

- In Shell:
- > get 'test_table', 'hello_world'
- > scan 'test_table'

Client 2: Get

Client 3: Scan

Too much for presentation!

What's next?

- Running HBase on a cluster
- Client configuration requirements:
 - quorum, ZK path
 - Adjusting hadoop-env.sh to use HBase