



# Apache Con North America

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## **Building a Hadoop distribution with Apache Bigtop (incubating)**

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# One way of using Apache software

```
$ wget http://apache.../httpd/httpd-2.2.21.tar.gz
```

```
$ tar xzvf httpd-2.2.21.tar.gz
```

```
$ cd httpd-2.2.21
```

```
$ ./configure ; make
```

```
$ make install
```

```
ERROR: can't write to /usr/local/bin
```

```
$ sudo make instal
```

# A different way

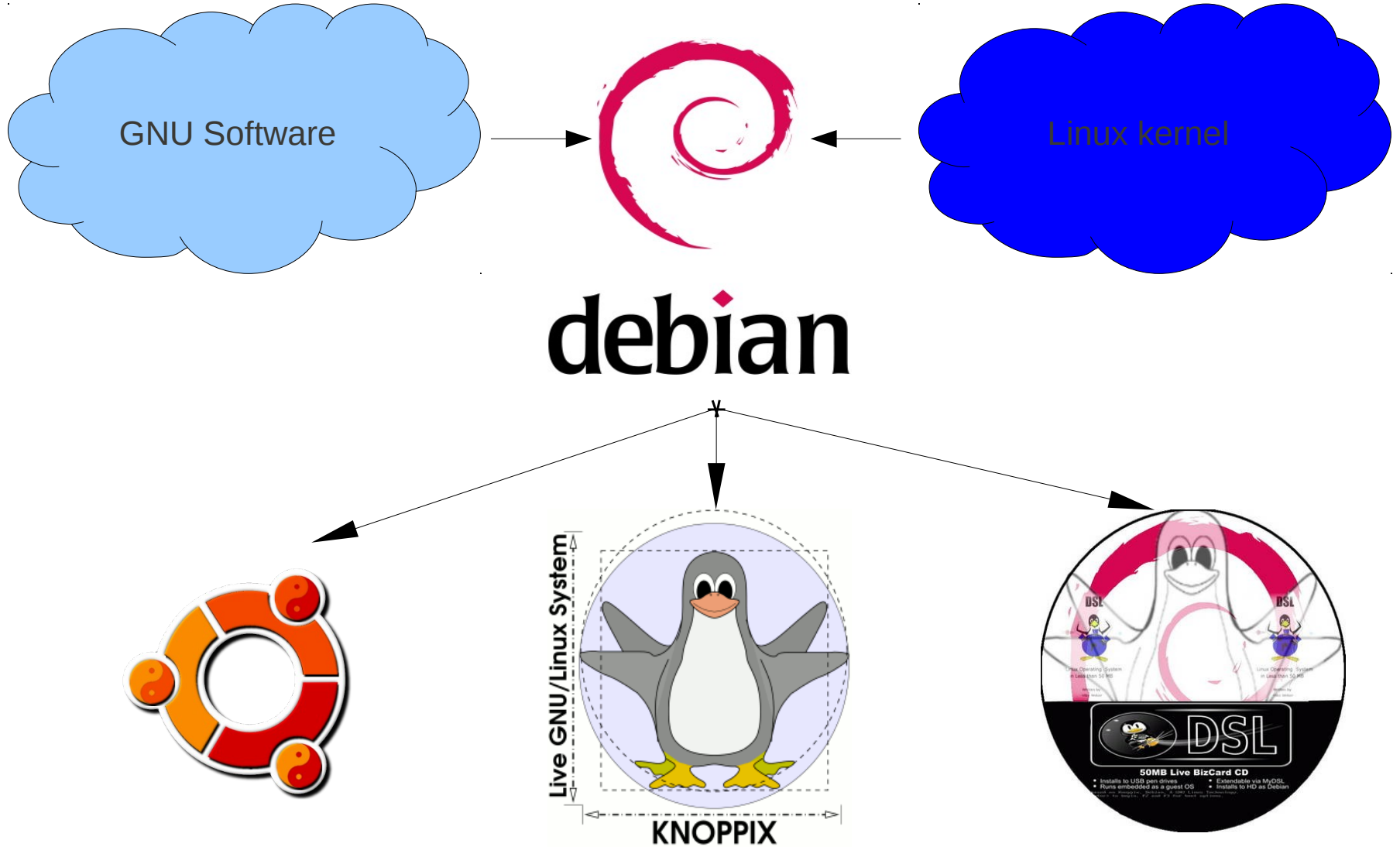
```
$ sudo apt-get install httpd
```

Would you like to also upgrade your conf?

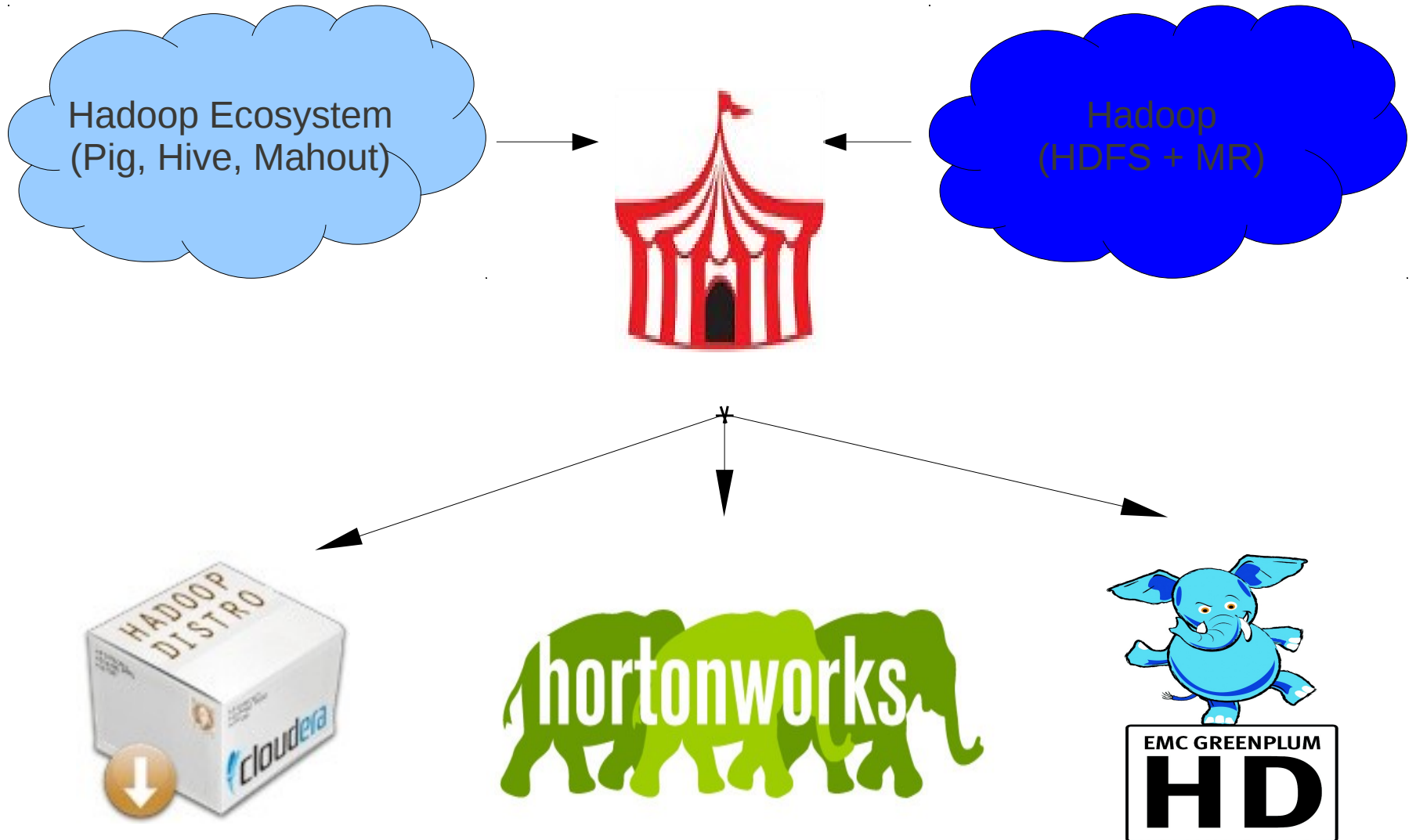
# Is there apt-get install hadoop ?

- Hadoop is still very much under development
- Hadoop is a Java application
- Hadoop is a distributed application
- Hadoop is more than HDFS + MR

# Remember what Debian did to Linux?



# Bigtop is trying to do it with Hadoop



# What's there in Bigtop

- Build/Packaging infrastructure
  - RPM, DEB
  - Fedora, OpenSUSE, Mageia, CentOS, Ubuntu
- Deployment infrastructure
  - Puppet
- Integration test infrastructure
  - Itest
- Bigtop Jenkins:
  - <http://bigtop01.cloudera.org:8080>

# What Bigtop needs from you?

- More of you: we are still incubating!
- More infrastructure for build/test
  - EC2, Supercell, EMC magic cluster
- More integration tests
  - Convince your bosses to commit to Bigtop
- Validate upstream release using Bigtop
  - HBase 0.92RC, Hadoop 0.22RC, etc.

**Just use It!**



# Contact

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