



# 大数据Web工具Hue

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# 课程大纲

- Hue介绍
- Hue部署



Let's big data.

Hue is a Web interface for analyzing data with Apache Hadoop.

- 参考文档：
  - <http://gethue.com/>
  - [http://archive.cloudera.com/cdh5/cdh/5/hue-3.7.0-cdh5.3.6/manual.html#\\_install\\_hue](http://archive.cloudera.com/cdh5/cdh/5/hue-3.7.0-cdh5.3.6/manual.html#_install_hue)
  - <https://github.com/cloudera/hue>

# Cloudera Hue



## Free & Open Source

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Public [source code](#) with an active community



## Be productive

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Query and visualize data directly from your Browser

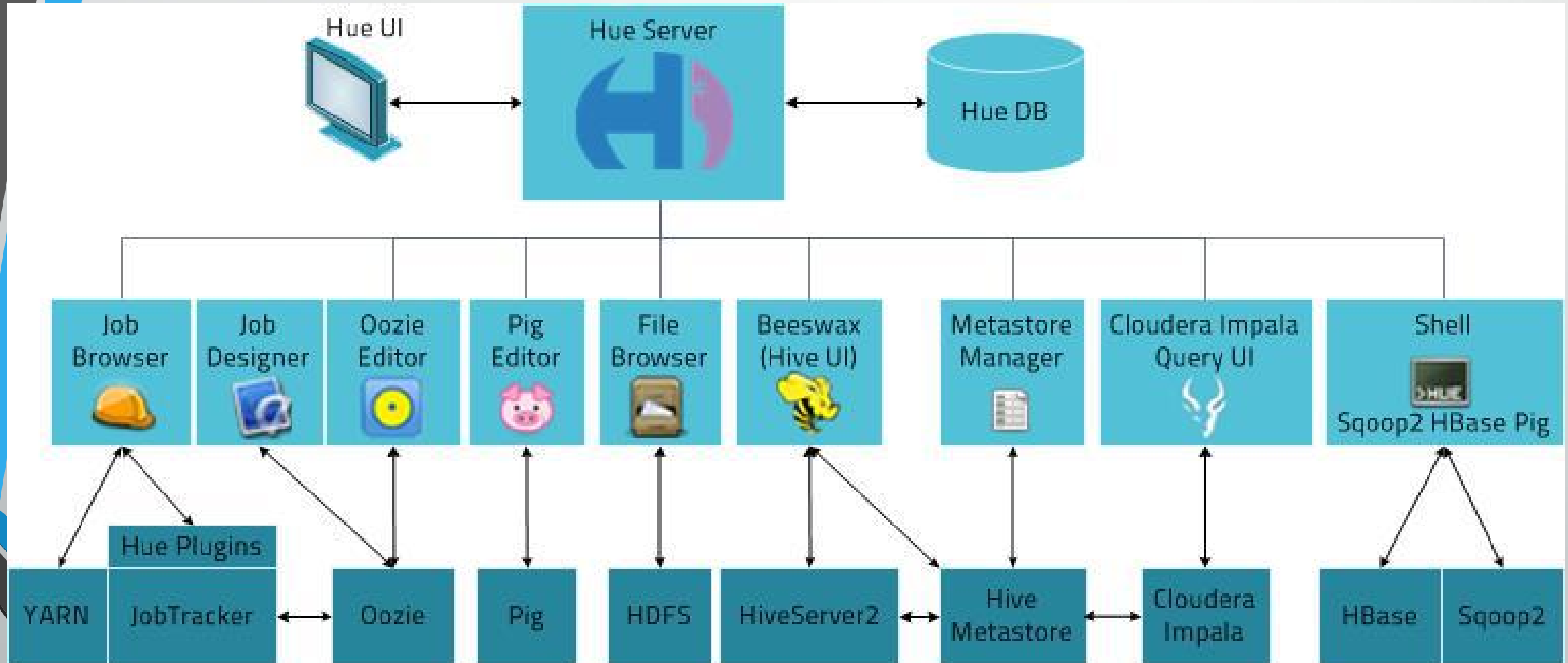


## 100% Compatible

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Works with ANY Hadoop

# Hue Architecture



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# Hue Installation

- CDH 5.3.6版本，下载地址：

<http://archive.cloudera.com/cdh5/cdh/5/hue-3.7.0-cdh5.3.6.tar.gz>

- Hue 编译

- 在编译Hue之前，要做如何两件准备工作：
- 虚拟机要连接互联网
- 安装Hue所依赖的系统包，针对不同Unix系统

# Hue Installation

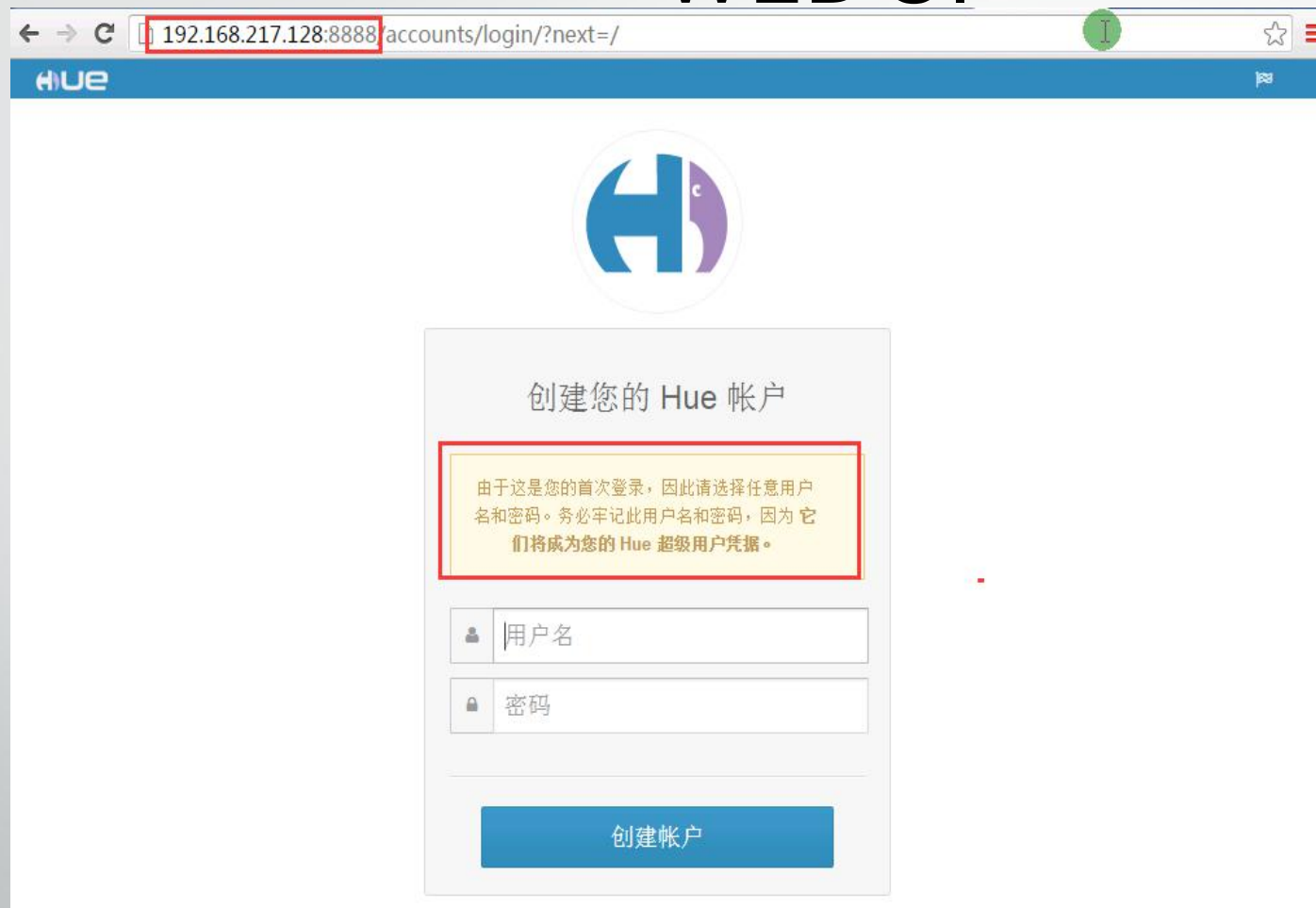
- 1、安装依赖包[联网]
- `yum -y install ant asciidoc cyrus-sasl-devel cyrus-sasl-gssapi gcc gcc-c++ krb5-devel libtidy libxml2-devel libxslt-devel openldap-devel python-devel sqlite-devel openssl-devel gmp-devel`
- \*\*卸载安装的jdk:卸载系统自带的JDK
- `# rpm -qa | grep -i java`
- `# rpm -e --nodeps tzdata-java-2012j-1.el6.noarch`
- 2、解压、编译hue
  - `$ tar zxf /home/xx/hue-3.7.0-cdh5.3.6.tar.gz -C ./`
  - `$ cd hue-3.7.0-cdh5.3.6/`
  - `$ make apps`



# Hue Installation

- 3、修改desktop/conf/hue.ini
  - [desktop]
  - secret\_key=jFE93j;2[290-eiw.KEiwN2s3['d;/.q[elW^y#e+=lei\*@Mn<qW50'
  - http\_host=bigdata.xx.com
  - http\_port=8888
  - time\_zone=Asia/Shanghai
- 4、启动Hue
  - \$ build/env/bin/supervisor

# WEB UI



The screenshot shows a web browser window with the address bar containing `192.168.217.128:8888/accounts/login/?next=/`. The page features the Hue logo at the top center. Below the logo, the heading "创建您的 Hue 帐户" (Create your Hue account) is displayed. A yellow warning box contains the text: "由于这是您的首次登录，因此请选择任意用户名和密码。务必牢记此用户名和密码，因为它们将成为您的 Hue 超级用户凭据。" (Since this is your first login, please choose any username and password. Be sure to remember this username and password, as they will become your Hue superuser credentials.). Below the warning box are two input fields: "用户名" (Username) and "密码" (Password). At the bottom of the form is a blue button labeled "创建帐户" (Create account).

第一次登陆Hue时，会有提示，随便输入用户和密码，必须要记住，这就是以后登陆Hue管理员的用户名和密码。

# [Hue与Hadoop集成]

- 配置Hadoop目录的配置文件:
- **hdfs-site.xml**
  - `<property>`
  - `<name>dfs.webhdfs.enabled</name>`
  - `<value>true</value>`
  - `</property>`
- **core-site.xml**
  - `<property>`
  - `<name>hadoop.proxyuser.hue.hosts</name>`
  - `<value>*</value>`
  - `</property>`
  - `<property>`
  - `<name>hadoop.proxyuser.hue.groups</name>`
  - `<value>*</value>`
  - `</property>`
- **!!! 重启Hadoop集群服务**

# 修改hue.ini

- 修改hue.ini
- [[hdfs\_clusters]]
- fs\_defaultfs=hdfs://bigdata.xx.com:8020
- webhdfs\_url=http://bigdata.xx.com:50070/webhdfs/v1
- hadoop\_conf\_dir=/opt/modules/hadoop-2.5.0-cdh5.3.6/etc/hadoop
- hadoop\_hdfs\_home=/opt/modules/hadoop-2.5.0-cdh5.3.6/
- hadoop\_bin =/opt/modules/hadoop-2.5.0-cdh5.3.6/bin/

# 修改hue.ini

- [[yarn\_clusters]]
- resourcemanager\_host=bigdata.xx.com
- resourcemanager\_port=8032
- submit\_to=True
  - resourcemanager\_api\_url=http://bigdata.xx.com:8088
  - proxy\_api\_url=http://bigdata.xx.com:8088
  - history\_server\_api\_url=http://bigdata.xx.com:19888

# Hue与Hive集成

- Hive准备:
- 1、安装配置好hive
- 2、修改hive-site.xml: 启用Hiveserver2服务
  - `<property>`
  - `<name>hive.server2.thrift.port</name>`
  - `<value>10000</value>`
  - `</property>`
  - `<property>`
  - `<name>hive.server2.thrift.bind.host</name>`
  - `<value>bigdata.xx.com</value>`
  - `</property>`
  - `<property>`
  - `<name>hive.server2.long.polling.timeout</name>`
  - `<value>5000</value>`
  - `</property>`

# Hue与Hive集成

- 3、启用thriftserver服务
  - <property>
  - <name>hive.metastore.uris</name>
  - <value>thrift://bigdata.xx.com:9083</value>
  - </property>
- 4、启动服务：
  - bin/hive --service hiveserver2 &
  - bin/hive --service metastore &

# Hue与Hive集成

- 配置Hue.ini
- [beeswax]
- hive\_server\_host=bigdata.xx.com
  - hive\_server\_port=10000
  - hive\_conf\_dir=/opt/modules/hive-0.13.1-cdh5.3.6/conf



# Hue与mysql集成

- [[[mysql]]]
  - nice\_name="My SQL DB “
  - engine=mysql
  - host=bigdata.xx.com
  - port=3306
  - user=root
  - password=123456