1.下载

- 可以从官网上下载与HBase版本对应的Phoenix版本。对应到HBase 2.1,应该使用版本「5.0.0-HBase-2.0」。
- http://phoenix.apache.org/download.html

2. 安装

• 1.上传安装包到liunx系统,并解压

```
cd /export/software
tar -xvzf apache-phoenix-5.0.0-HBase-2.0-bin.tar.gz -C /export/server/
```

2.将Phoenix的所有jar包添加到HBase Regionserver和Master的复制 到HBase的lib目录

```
1 # 拷贝jar包到hbase lib目录
2 cp /export/server/apache-phoenix-5.0.0-HBase-2.0-bin/phoenix-*.jar /export/server/hbase-2.1.0/lib/
3 # 进入到hbase lib 目录
4 cd /export/server/hbase-2.1.0/lib/
5 # 分发jar包到每个HBase 节点
6 scp phoenix-*.jar node2.itcast.cn:$PWD
7 scp phoenix-*.jar node3.itcast.cn:$PWD
```

• 3.修改配置文件

- 15 # 2. 将hbase-site.xml分发到每个节点 16 scp hbase-site.xml node2.itcast.cn:\$PWD
- 17 scp hbase-site.xml node3.itcast.cn:\$PWD

• 4.将配置后的hbase-site.xml拷贝到Phoenix的bin目录

cp /export/server/hbase-2.1.0/conf/hbase-site.xml /export/server/apache-phoenix-5.0.0-HBase-2.0-bin/bin/

• 5.重新启动HBase

- 1 stop-hbase.sh
- 2 start-hbase.sh

• 6.启动Phoenix客户端,链接Phoenix server

o 注意:第一次启动Phoenix连接HBase会稍微慢一点

- 1 cd /export/server/apache-phoenix-5.0.0-HBase-2.0-bin/
- bin/python2 sqlline.py node1:2181
- 3 # 输入!table查看Phoenix中的表
- 4 !table

7.查看HBase的webui,可以看到Phoenix在system命名空间下创建 了一些表,而且该系统表加载了大量的协处理器

```
'SYSTEM.CATALOG', (TABLE_ATTRIBUTES => {PRIORITY => '2000', coprocessor$1 =>
'jorg.apache.phoenix.coprocessor.ScanRegionObserver[805306366|', coprocessor$2 =>
'jorg.apache.phoenix.coprocessor.UngroupedAggregateRegionObserver[805306366|', coprocessor$3 =>
'jorg.apache.phoenix.coprocessor.GroupedAggregateRegionObserver[805306366|', coprocessor$4 =>
'jorg.apache.phoenix.coprocessor.ServerCachingEndpointImpt|805306366|', coprocessor$5 =>
'jorg.apache.hadoop.hbase.coprocessor.MultiRowMutationEndpoint[805306366|', coprocessor$6 =>
'jorg.apache.phoenix.coprocessor.MetaDataEndpointImpt|805306366|', coprocessor$7 =>
'jorg.apache.phoenix.coprocessor.MetaDataRegionObserver[805306367|', METADATA => {'SPLIT_POLICY' =>
'org.apache.phoenix.schema.MetaDataSplitPolicy'}}, {NAME => '0', DATA_BLOCK_ENCODING => 'FAST_DIFF', BLOOMFILTER => 'NONE'}
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