# 安装Presto

！！！Presto的安装基本环境：

Linux或Mac OS X

Java 8,64位（小版本151以上）

Python 2.4+

1、下载地址：<https://prestodb.github.io/download.html>

2、解压tar包到cloudera的parcels路径下

|  |
| --- |
| tar -zxvf presto-server-0.216.tar.gz -C /opt/cloudera/parcels/ |

3、创建软连接

|  |
| --- |
| #创建软连接  sudo ln -s presto-server-0.216 presto  #更改权限  sudo chown cloudera-scm:cloudera-scm presto presto-server-0.216 |

4、修改presto/bin/launcher

|  |
| --- |
| 为presto指定jdk  export JAVA\_HOME=/usr/java/jdk1.8  export PATH=$PATH:$JAVA\_HOME/bin |

5、在presto路径下创建etc文件夹

6、在etc下创建presto的配置文件

6.1 node.properties

|  |
| --- |
| #集群名称，不能包含特殊字符如“-”  node.environment=presto  #节点ID，节点间不能相同  node.id=presto-cdh1  #presto的数据路径  node.data-dir=/data/disk1/presto |

6.2 jvm.config

|  |
| --- |
| -server  -Xmx8G  -XX:+UseG1GC  -XX:G1HeapRegionSize=32M  -XX:+UseGCOverheadLimit  -XX:+ExplicitGCInvokesConcurrent  -XX:+HeapDumpOnOutOfMemoryError  -XX:+ExitOnOutOfMemoryError |

6.3 log.properties

|  |
| --- |
| com.facebook.presto=INFO |

6.4 config.properties

6.4.1 coordinator节点

|  |
| --- |
| coordinator=true  node-scheduler.include-coordinator=true  http-server.http.port=8090  query.max-memory=4GB  query.max-memory-per-node=1GB  discovery-server.enabled=true  discovery.uri=http://10.18.100.116:8090 |

6.4.2 worker节点

|  |
| --- |
| coordinator=false  http-server.http.port=8090  query.max-memory=4GB  query.max-memory-per-node=1GB  discovery.uri=http://10.18.100.116:8090 |

7、配置catalog

7.1 jmx.properties

|  |
| --- |
| connector.name=jmx |

7.2 hive.properties

|  |
| --- |
| connector.name=hive-hadoop2  hive.metastore.uri=thrift://30.23.76.191:9083 |

7.3 mysql.properties

|  |
| --- |
| connector.name=mysql  connection-url=jdbc:mysql://30.23.76.191:3306  connection-user=root  connection-password=root |

8、启动Presto

|  |
| --- |
| /opt/cloudera/parcels/presto/bin/launcher start |

9、登录30.23.76.191:8090查看监控页面

# 二、配置Presto为Kylin的查询下压引擎

1、修改配置文件kylin/conf/kylin.properties

|  |
| --- |
| kylin.query.pushdown.runner-class-name=org.apache.kylin.query.adhoc.PushDownRunnerJdbcImpl  kylin.query.pushdown.jdbc.url=jdbc:presto://30.23.76.191:8090/hive  kylin.query.pushdown.jdbc.driver=com.facebook.presto.jdbc.PrestoDriver  kylin.query.pushdown.jdbc.username=cdh  # kylin.query.pushdown.jdbc.password=  kylin.query.pushdown.jdbc.pool-max-total=150  kylin.query.pushdown.jdbc.pool-max-idle=100  kylin.query.pushdown.jdbc.pool-min-idle=50 |

2、重启Kylin

# 三、安装yanagishima作为Presto的Web UI

1、下载地址：<https://github.com/yanagishima/yanagishima>

2、解压下载的tar包，并进行编译

|  |
| --- |
| tar -zxvf yanagishima-18.0.tar.gz  git checkout -b [version] refs/tags/[version]  ./gradlew distZip |

3、解压编译后的zip包

|  |
| --- |
| unzip yanagishima-18.0 |

4、修改配置文件conf/yanagishima.properties

|  |
| --- |
| # yanagishima web port  jetty.port=7080  # 30 minutes. If presto query exceeds this time, yanagishima cancel the query.  presto.query.max-run-time-seconds=1800  # 1GB. If presto query result file size exceeds this value, yanagishima cancel the query.  presto.max-result-file-byte-size=1073741824  # you can specify freely. But you need to specify same name to presto.coordinator.server.[...] and presto.redirect.server.[...] and catalog.[...] and schema.[...]  presto.datasources=presto  auth.presto=false  # presto coordinator url  presto.coordinator.server.presto=http://30.23.76.191:8090  # almost same as presto coordinator url. If you use reverse proxy, specify it  presto.redirect.server.presto=http://30.23.76.191:8090  # presto catalog name  catalog.presto=hive  # presto schema name  schema.presto=default  # if query result exceeds this limit, to show rest of result is skipped  select.limit=500  # http header name for audit log  audit.http.header.name=some.auth.header  use.audit.http.header.name=false  # limit to convert from tsv to values query  to.values.query.limit=500  # authorization feature  check.datasource=false  hive.jdbc.url.hive=jdbc:hive2://30.23.76.191:10000/default;auth=noSasl  hive.jdbc.user.hive=yanagishima  hive.jdbc.password.hive=yanagishima  hive.query.max-run-time-seconds=3600  hive.query.max-run-time-seconds.hive=3600  resource.manager.url.hive=http://30.23.76.191:8088  sql.query.engines=presto  hive.datasources=hive  hive.disallowed.keywords.hive=insert,drop  # 1GB. If hive query result file size exceeds this value, yanagishima cancel the query.  hive.max-result-file-byte-size=1073741824  hive.setup.query.path.hive=/usr/local/yanagishima/conf/hive\_setup\_query\_hive  cors.enabled=false |

5、启动服务

|  |
| --- |
| nohup bin/yanagishima-start.sh >/dev/null 2>&1 & |

6、访问Web页面

地址：30.23.76.191:7080