第8课:彻底实战详解使用IDE开发Spark程序--集群模式运行

拷贝WordCount.scala生成WordCountCluster.scala。

原创 2016年01月30日 08:41:27 标签: spark

1. 将object WordCount改为object WordCountCluster

2. 将conf.setMaster("local")行注释掉。在提交时再配置。 3. 将文件源修改为val lines = sc.textFile("hdfs://192.168.1.121:9000/user/spark/README.md")

4.启动hadoop和spark , 并启动spark的history-server.sh

5.导出jar包。在WordCount Project上点击右键->export,选择java下的JAR file,点击Next。选择好导出路径后点击

6.将导出的jar包拷贝到虚拟机中/home/richard/spark-1.6.0/class目录下。

7. 使用spark-submit提交运行jar包。

sprak-submit --class com.dt.spark.WordCountCluster --master spark://slq1:7077 /home/richard/spark-1.6.0/class/WordCount.jar

集群模式代码

package com.dt.spark

import org.apache.spark.SparkConf import org.apache.spark.SparkContext

*使用scala开发集群运行的spark WordCount程序

* DT大数据梦丁厂

* 新浪微博: http://weibo.com/ilovepains/

object WordCountCluster {

def main(args: Array[String]){

*第一步:创建spark的配置对象SparkConf,设置Spark程序运行时的配置信息

*例如通过setMaster来设置程序要链接的Spark集群的Master的URL,如果设置

* 为local,则代表Spark程序在本地运行,特别适合于机器配置条件非常差(例如

* 只有1内存)的初学者

val conf = new SparkConf() //创建SparkConf对象。因为是全局唯一的,所以使用new,不用工厂方法模式。conf.setAppName("Wow, My First Spark App!") //设置应用程序的名称,在程序运行的监控界面可以看到名称 // conf.setMaster("local") //此时程序在Spark集群。

* 第二步: 创建SparkContext对象

* SparkContext是Spark程序所有功能的唯一入口,无论是采用scala/java/Python/R等都必须有一个SParkContext, 而且默认都只有一个。

* SparkContext核心作用:初始化应用程序运行时所需要的核心组件,包括DAGScheduler,TaskScheduler,Scheduler Backend

* 同时还会负责Spark程序往Master注册程序等。SparkContext是整个Spark应用程序中最为重要的一个对象,

val sc = new SparkContext(conf) //通过创建SparkContext对象,通过传入SparkConf实例来定制SPark地的具体 参数和配置信息。

* 第三步:根据具体的数据来源(/HBase/Local FS/DB/S3等)通过SparkContext创建RDD

*RDD创建有三种基本方式:1.根据外部数据来源(如HDFS),2.根据Scala集合,3.由其他RDD操作产生*数据会被RDD划分成为一系列的Partitions,分配到每个Partition的数据属于一个Task的处理范畴,

val lines = sc.textFile("hdfs://192.168.1.121:9000/user/spark/README.md") //读取HDFS文件,并切分成不同的 partitions

//也可以写成: I lines:RDD[String] = sc.textFile 类型推断

* 第4步:对初始RDD进行Transformation级别的处理。例如map/filter等高阶函数等的编程

* 来进行具体的数据计算。第4.1步:将每一行的字符串拆分成单个的单词。

· val words = lines.flatMap { line => line.split(" ") } //对每一行的字符串进行单词拆分,map每次循环一行,将每一 行的小集合通过flat合并成一个大集合

* 第4.2步,在单词拆分的基础上对每个单词实例 进行计数为1,也就是word => (word,1)

val pairs = words.map { word => (word,1) }

* 第4.3步,在每个单词实例计数为1的基础上,统计每个单词在文件中出现的总次数。

val wordCounts = pairs.reduceByKey(_+_) //对相同的Key,进行Value的累计(包括Local和Reduce级别同时 Reduce 1

wordCounts.collect.foreach(wordNumberPair => println(wordNumberPair. 1 + ":" + wordNumberPair. 2)) sc.stop() //把上下文去掉,释放资源

运行时的log

 $[richard@slq1\ bin]\$\ ./spark-submit\ --class\ com.dt.spark.WordCountCluster\ --master\ spark://slq1:7077\ and the control of the control o$ /home/richard/spark-1.6.0/class/WordCount.jar

16/01/30 08:16:06 INFO spark.SparkContext: Running Spark version 1.6.0

16/01/30 08:16:09 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable

16/01/30 08:16:12 INFO spark.SecurityManager: Changing view acls to: richard

16/01/30 08:16:12 INFO spark SecurityManager: Changing modify acls to: richard 16/01/30 08:16:12 INFO spark SecurityManager: SecurityManager: authentication disabled; ui acls disabled; users with view permissions: Set(richard); users with modify permissions: Set(richard)

16/01/30 08:16:19 INFO util. Utils: Successfully started service 'sparkDriver' on port 34985. 16/01/30 08:16:23 INFO slf4j.Slf4jLogger. Slf4jLogger started

16/01/30 08:16:24 INFO Remoting: Starting remoting

16/01/30 08:16:26 INFO Remoting: Remoting started; listening on addresses: [akka.tcp://sparkDriverActorSystem@192.168.1.121:33547]

16/01/30 08:16:26 INFO util.Utils: Successfully started service 'sparkDriverActorSystem' on port 33547.

16/01/30 08:16:26 INFO spark.SparkEnv: Registering MapOutputTracker 16/01/30 08:16:27 INFO spark.SparkEnv: Registering BlockManagerMaster

16/01/30 08:16:27 INFO storage.DiskBlockManager: Created local directory at /tmp/blockmgr-a020b1d8-f908-4473-852a-f6a55b545e02

16/01/30 08:16:27 INFO storage.MemoryStore: MemoryStore started with capacity 517.4 MB 16/01/30 08:16:28 INFO spark.SparkEnv: Registering OutputCommitCoordinator

16/01/30 08:16:31 INFO server.Server: jetty-8.y.z-SNAPSHOT

16/01/30 08:16:32 INFO server.AbstractConnector: Started SelectChannelConnector@0.0.0.0:4040 16/01/30 08:16:32 INFO util. Utils: Successfully started service 'SparkUI' on port 4040.

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16/01/30 08:16:32 INFO ui.SparkUI: Started SparkUI at http://192.168.1.121:4040 16/01/30 08:16:32 INFO spark.HttpFileServer: HTTP File server directory is /tmp/spark-42b0d08b-938a-45fe-
8dae-81db69953855/httpd-ccd8a47c-1b7f-4ac6-b7e9-510b4f88c4b2
16/01/30 08:16:32 INFO spark.HttpServer: Starting HTTP Server
16/01/30 08:16:32 INFO server. Server: jetty-8.y.z-SNAPSHOT
16/01/30 08:16:32 INFO server.AbstractConnector: Started SocketConnector@0.0.0.0:50966
16/01/30 08:16:32 INFO util.Utils: Successfully started service 'HTTP file server' on port 50966.
16/01/30 08:16:33 INFO spark.SparkContext: Added JAR file:/home/richard/spark-1.6.0/class/WordCount.jar at
http://192.168.1.121:50966/jars/WordCount.jar with timestamp 1454112993094
16/01/30 08:16:34 INFO client.AppClient$ClientEndpoint: Connecting to master spark://slq1:7077...
16/01/30 08:16:37 INFO cluster.SparkDeploySchedulerBackend: Connected to Spark cluster with app ID app
20160130081636-0001
16/01/30 08:16:37 INFO client.AppClient$ClientEndpoint: Executor added: app-20160130081636-0001/0 on
worker-20160130074034-192.168.1.123-57185 (192.168.1.123:57185) with 1 cores
16/01/30 08:16:37 INFO cluster.SparkDeploySchedulerBackend: Granted executor ID app-20160130081636-
0001/0 on hostPort 192.168.1.123:57185 with 1 cores, 1024.0 MB RAM
16/01/30\ 08:16:37\ INFO\ client. App Client \$ Client Endpoint:\ Executor\ added:\ app-20160130081636-0001/1\ on\ app-20160130081636-0001/2\ on\ app-20160130081636-00001/2\ on\ app-20160130081636-0001/2\ on\ app-201
worker-20160130074035-192.168.1.122-37406 (192.168.1.122:37406) with 1 cores
16/01/30 08:16:37 INFO cluster.SparkDeploySchedulerBackend: Granted executor ID app-20160130081636-
0001/1 on hostPort 192.168.1.122:37406 with 1 cores, 1024.0 MB RAM
16/01/30 08:16:37 INFO client.AppClient$ClientEndpoint: Executor added: app-20160130081636-0001/2 on
worker-20160130074053-192.168.1.121-45928 (192.168.1.121:45928) with 1 cores
16/01/30 08:16:37 INFO cluster.SparkDeploySchedulerBackend: Granted executor ID app-20160130081636-0001/2 on hostPort 192.168.1.121:45928 with 1 cores, 1024.0 MB RAM
16/01/30 08:16:37 INFO util.Utils: Successfully started service
'org.apache.spark.network.netty.NettyBlockTransferService' on port 53088. 16/01/30 08:16:37 INFO netty.NettyBlockTransferService: Server created on 53088
16/01/30 08:16:37 INFO storage.BlockManagerMaster: Trying to register BlockManager
16/01/30\ 08: 16: 37\ INFO\ storage. Block Manager Master Endpoint:\ Registering\ block\ manager\ 192.168.1.121: 53088
with 517.4 MB RAM, BlockManagerId(driver, 192.168.1.121, 53088)
16/01/30 08:16:37 INFO storage.BlockManagerMaster: Registered BlockManager
16/01/30 08:16:38 INFO client.AppClient$ClientEndpoint: Executor updated: app-20160130081636-0001/0 is now
RUNNING
16/01/30 08:16:38 INFO client.AppClient$ClientEndpoint: Executor updated: app-20160130081636-0001/1 is now
RUNNING
16/01/30 08:16:38 INFO client.AppClient$ClientEndpoint: Executor updated: app-20160130081636-0001/2 is now
RUNNING
16/01/30 08:16:43 INFO cluster.SparkDeploySchedulerBackend: SchedulerBackend is ready for scheduling
beginning after reached minRegisteredResourcesRatio: 0.0
16/01/30 08:17:00 INFO storage.MemoryStore: Block broadcast_0 stored as values in memory (estimated size
127.8 KB, free 127.8 KB)
16/01/30 08:17:01 INFO cluster.SparkDeploySchedulerBackend: Registered executor NettyRpcEndpointRef(null)
(slq3:52579) with ID 0
16/01/30 08:17:02 INFO storage.BlockManagerMasterEndpoint: Registering block manager slq3:54589 with 517.4
MB RAM, BlockManagerId(0, slq3, 54589)
16/01/30 08:17:02 INFO storage.MemoryStore: Block broadcast_0_piece0 stored as bytes in memory (estimated
size 14.3 KB, free 142.1 KB)
16/01/30 08:17:02 INFO cluster.SparkDeploySchedulerBackend: Registered executor NettyRpcEndpointRef(null)
(sla2:52779) with ID 1
16/01/30 08:17:02 INFO storage.BlockManagerInfo: Added broadcast_0_piece0 in memory on
192.168.1.121:53088 (size: 14.3 KB, free: 517.4 MB)
16/01/30 08:17:03 INFO spark.SparkContext: Created broadcast 0 from textFile at WordCountCluster.scala:36 16/01/30 08:17:03 INFO storage.BlockManagerMasterEndpoint: Registering block manager slq2:38295 with 517.4
MB RAM, BlockManagerId(1, slq2, 38295)
16/01/30 08:17:23 INFO mapred.FileInputFormat: Total input paths to process: 1 16/01/30 08:17:26 INFO spark.SparkContext: Starting job: collect at WordCountCluster.scala:51
16/01/30 08:17:27 INFO scheduler.DAGScheduler: Registering RDD 3 (map at WordCountCluster.scala:46)
16/01/30 08:17:27 INFO scheduler.DAGScheduler: Got job 0 (collect at WordCountCluster.scala:51) with 2 output
. 16/01/30 08:17:27 INFO scheduler.DAGScheduler: Final stage: ResultStage 1 (collect at
WordCountCluster.scala:51)
16/01/30 08:17:27 INFO scheduler.DAGScheduler: Parents of final stage: List(ShuffleMapStage 0)
16/01/30 08:17:27 INFO scheduler.DAGScheduler: Missing parents: List(ShuffleMapStage 0)
16/01/30 08:17:27 INFO scheduler.DAGScheduler: Submitting ShuffleMapStage 0 (MapPartitionsRDD[3] at map
at WordCountCluster.scala:46), which has no missing parents
16/01/30 08:17:28 INFO storage.MemoryStore: Block broadcast_1 stored as values in memory (estimated size 4.1
KB, free 146.2 KB)
16/01/30 08:17:29 INFO storage.MemoryStore: Block broadcast_1_piece0 stored as bytes in memory (estimated
size 2.3 KB, free 148.5 KB)
16/01/30 08:17:29 INFO storage.BlockManagerInfo: Added broadcast 1 piece0 in memory on
192.168.1.121:53088 (size: 2.3 KB, free: 517.4 MB)
16/01/30 08:17:29 INFO spark.SparkContext: Created broadcast 1 from broadcast at DAGScheduler.scala:1006
16/01/30 08:17:29 INFO scheduler.DAGScheduler: Submitting 2 missing tasks from ShuffleMapStage 0
(MapPartitionsRDD[3] at map at WordCountCluster.scala:46)
16/01/30 08:17:29 INFO scheduler.TaskSchedulerImpl: Adding task set 0.0 with 2 tasks
16/01/30 08:17:30 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 0.0 (TID 0, slq3, partition
0,NODE_LOCAL, 2192 bytes)
16/01/30 08:17:30 INFO scheduler.TaskSetManager: Starting task 1.0 in stage 0.0 (TID 1, slg2, partition
1,NODE_LOCAL, 2192 bytes)
16/01/30 08:17:34 INFO storage.BlockManagerInfo: Added broadcast_1_piece0 in memory on slq2:38295 (size:
2.3 KB, free: 517.4 MB)
16/01/30 08:17:34 INFO storage.BlockManagerInfo: Added broadcast_1_piece0 in memory on slq3:54589 (size:
2.3 KB, free: 517.4 MB)
16/01/30 08:17:36 INFO storage.BlockManagerInfo: Added broadcast_0_piece0 in memory on slq2:38295 (size:
14.3 KB, free: 517.4 MB)
16/01/30 08:17:37 INFO storage.BlockManagerInfo: Added broadcast_0_piece0 in memory on slq3:54589 (size:
14 3 KB free: 517 4 MB)
16/01/30 08:17:47 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 0.0 (TID 0) in 18118 ms on slq3
16/01/30 08:17:47 INFO scheduler.TaskSetManager: Finished task 1.0 in stage 0.0 (TID 1) in 17770 ms on slq2
16/01/30 08:17:48 INFO scheduler.DAGScheduler: ShuffleMapStage 0 (map at WordCountCluster.scala:46)
finished in 18.399
16/01/30 08:17:48 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 0.0, whose tasks have all completed,
16/01/30 08:17:48 INFO scheduler. DAGScheduler: looking for newly runnable stages
16/01/30 08:17:48 INFO scheduler.DAGScheduler: running: Set()
16/01/30 08:17:48 INFO scheduler. DAGScheduler: waiting: Set(ResultStage 1)
16/01/30 08:17:48 INFO scheduler.DAGScheduler: failed: Set()
16/01/30 08:17:48 INFO scheduler.DAGScheduler: Submitting ResultStage 1 (ShuffledRDD[4] at reduceByKey at
WordCountCluster.scala:50), which has no missing parents
16/01/30 08:17:48 INFO storage.MemoryStore: Block broadcast_2 stored as values in memory (estimated size 2.6
KB. free 151.1 KB)
16/01/30 08:17:48 INFO storage.MemoryStore: Block broadcast 2 piece0 stored as bytes in memory (estimated
size 1593.0 B, free 152.6 KB)
16/01/30 08:17:48 INFO storage.BlockManagerInfo: Added broadcast_2_piece0 in memory on
192.168.1.121:53088 (size: 1593.0 B, free: 517.4 MB)
16/01/30 08:17:48 INFO spark.SparkContext: Created broadcast 2 from broadcast at DAGScheduler.scala:1006
16/01/30 08:17:48 INFO scheduler.DAGScheduler: Submitting 2 missing tasks from ResultStage 1 (ShuffledRDD[4]
at reduceByKey at WordCountCluster.scala:50)
16/01/30 08:17:48 INFO scheduler.TaskSchedulerImpl: Adding task set 1.0 with 2 tasks
16/01/30 08:17:48 INFO scheduler.TaskSetManager: Starting task 0.0 in stage 1.0 (TID 2, slq3, partition
0,NODE_LOCAL, 1949 bytes)
```

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16/01/30 08:17:48 INFO scheduler.TaskSetManager: Starting task 1.0 in stage 1.0 (TID 3, slq2, partition
1,NODE_LOCAL, 1949 bytes)
16/01/30 08:17:49 INFO storage.BlockManagerInfo: Added broadcast_2_piece0 in memory on slq2:38295 (size:
1593.0 B, free: 517.4 MB)
16/01/30 08:17:49 INFO storage.BlockManagerInfo: Added broadcast_2_piece0 in memory on slq3:54589 (size:
1593.0 B, free: 517.4 MB)
16/01/30 08:17:49 INFO spark.MapOutputTrackerMasterEndpoint: Asked to send map output locations for
shuffle 0 to slq2:52779
16/01/30 08:17:49 INFO spark.MapOutputTrackerMaster: Size of output statuses for shuffle 0 is 151 bytes
16/01/30 08:17:49 INFO spark.MapOutputTrackerMasterEndpoint: Asked to send map output locations for
shuffle 0 to sla3:52579
16/01/30 08:17:51 INFO scheduler.TaskSetManager: Finished task 1.0 in stage 1.0 (TID 3) in 2404 ms on slq2 (1/2)
16/01/30 08:17:51 INFO scheduler.TaskSetManager: Finished task 0.0 in stage 1.0 (TID 2) in 2531 ms on slq3 (2/2)
16/01/30 08:17:51 INFO scheduler.TaskSchedulerImpl: Removed TaskSet 1.0, whose tasks have all completed,
16/01/30 08:17:51 INFO scheduler.DAGScheduler: ResultStage 1 (collect at WordCountCluster.scala:51) finished in
2.538 s
16/01/30 08:17:51 INFO scheduler.DAGScheduler: Job 0 finished: collect at WordCountCluster.scala:51, took
24.676312 s
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 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/metrics/json,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/stages/stage/kill,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/api,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/static,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped
 o.s. j.s. Servlet Context Handler \{/ executors/thread Dump/json, null\}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped
 o.s.j.s. Servlet Context Handler \{/executors/thread Dump, null\}
 16/01/30\ 08:17:52\ INFO\ handler. Context Handler:\ stopped\ o.s. j.s. Servlet Context Handler \{/executors/json, null\} for the context Handler and 
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/executors,null}
  16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/environment/json,null}
 16/01/30\ 08:17:52\ INFO\ handler. Context Handler:\ stopped\ o.s.j.s. Servlet Context Handler \{/environment, null\}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/storage/rdd/json,null}
 16/01/30\ 08:17:52\ INFO\ handler. Context Handler:\ stopped\ o.s. j.s. Servlet Context Handler \{/storage/rdd, null\} \} to the context Handler for th
 16/01/30\ 08:17:52\ INFO\ handler. Context Handler:\ stopped\ o.s.j.s. Servlet Context Handler \{/storage/json, null\} in the context Handler and the 
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/storage,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/stages/pool/json,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler(/stages/pool,null) 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler(/stages/stage/json,null)
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/stages/stage,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler(/stages/json,null) 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler(/stages,null)
 16/01/30\ 08:17:52\ INFO\ handler. Context Handler:\ stopped\ o.s. j.s. Servlet Context Handler \{/jobs/job/json, null\} the context Handler for the c
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/jobs/job,nullj
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/jobs/json,null}
 16/01/30 08:17:52 INFO handler.ContextHandler: stopped o.s.j.s.ServletContextHandler{/jobs,null}
 16/01/30 08:17:52 INFO ui.SparkUI: Stopped Spark web UI at http://192.168.1.121:4040
 16/01/30 08:17:52 INFO cluster.SparkDeploySchedulerBackend: Shutting down all executors
 16/01/30 08:17:52 INFO cluster.SparkDeploySchedulerBackend: Asking each executor to shut down 16/01/30 08:17:52 INFO spark.MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!
 16/01/30 08:17:53 INFO storage.MemoryStore: MemoryStore cleared
 16/01/30 08:17:53 INFO storage.BlockManager: BlockManager stopped 16/01/30 08:17:53 INFO storage.BlockManagerMaster: BlockManagerMaster stopped
 16/01/30 08:17:53 INFO scheduler.OutputCommitCoordinator$OutputCommitCoordinatorEndpoint:
OutputCommitCoordinator stopped! 16/01/30 08:17:53 INFO spark.SparkContext: Successfully stopped SparkContext
 16/01/30 08:17:53 INFO remote.RemoteActorRefProvider$RemotingTerminator: Shutting down remote daemon.
 16/01/30 08:17:53 INFO remote.RemoteActorRefProvider$RemotingTerminator: Remote daemon shut down;
 proceeding with flushing remote transports.
 16/01/30 08:17:54 INFO util.ShutdownHookManager: Shutdown hook called
 16/01/30 08:17:54 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-42b0d08b-938a-45fe-8dae-
 81db69953855/httpd-ccd8a47c-1b7f-4ac6-b7e9-510b4f88c4b2
 16/01/30 08:17:54 INFO util.ShutdownHookManager: Deleting directory /tmp/spark-42b0d08b-938a-45fe-8dae-
 81db69953855
 16/01/30 08:17:55 INFO remote.RemoteActorRefProvider$RemotingTerminator: Remoting shut down
 [richard@slq1 bin]$
```

小插曲: 第一次运行时报错:

Exception in thread "main" java.lang.IllegalArgumentException: java.net.URISyntaxException: Relative path in

absolute URI: slq1:9000/user/spark/README.md。 👔 slq1 [正在运行] - Oracle VM VirtualBox 管理 控制 视图 热键 设备 帮助 ❖ 应用程序 位置 と 一 悠端 richard@slq1:~/spark-1.6.0/bin richard@siq1://spark-1.6.0/bin
文件(F) 编籍(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
16/01/30 07:52:37 INFO cluster.SparkDeploySchedulerBackend: SchedulerBackend is ready for scheduling beginning after reached minRegisteredResourcesRatio: 0.0
16/01/30 07:52:52 INFO storage.MemoryStore: Block broadcast_0 stored as valuarian memory (estimated size 127.8 KB, free 127.8 KB)
16/01/30 07:52:53 INFO storage.MemoryStore: Block broadcast_0_piece0 stored as valuarian memory (estimated size 14.3 KB, free 142.1 KB)
16/01/30 07:52:53 INFO storage.BlockManagerInfo: Added broadcast_0_piece0 in melon or you on 192.168.1.121:43816 (size: 14.3 KB, free: 517.4 MB)
16/01/30 07:52:53 INFO spark.SparkContext: Created broadcast_0_piece0 in melon or you on 192.168.1.121:43816 (size: 14.3 KB, free: 517.4 MB)
16/01/30 07:52:53 INFO spark.SparkContext: Created broadcast_0_piece0 in melon or you on 192.168.1.121:43816 (size: 14.3 KB, free: 517.4 MB)
16/01/30 07:52:53 INFO spark.SparkContext: Created broadcast_0_piece0 in melon or you have been spark.SparkContext. Created broadcast_0_piece0 in melon or you have been spark.SparkContext. Created broadcast_0_piece0 in melon or you have been spark.SparkContext.Spark.Spark.SparkContext.Spark.Spark.SparkContext.Spark.Spark.SparkContext.Spark.Spark.Spark.SparkContext.Spark.Sp 文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H) val lines = sc.textFile("hdfs://192.168.1.121:9000/user/spark/README.md") 原来写成相对路 径:/user/spark/README.md,导致程序找不到文件。 以上内容是王家林老师DT大数据梦工厂《IMF传奇行动》第8课的学习笔记。 王家林: Spark、Flink、Docker、Android技术中国区布道师。 Spark亚太研究院院长和首席专家,DT大数据梦工厂创始人,Android软硬整合源码 级专家, 英语发音魔术师, 健身狂热爱好者。 微信公众账号:DT_Spark 联系邮箱18610086859@126.com 申话:18610086859 QQ:1740415547 微信号:18610086859 新浪微博:ilovepains 王家林老师的第一个中国梦:免费为全社会培养100万名优秀的大数据从业人员! 版权声明:本文为博主原创文章,未经博主允许不得转载。 目前您尚未登录,请 <u>登录</u> 或 <u>注册</u> 后进行评论 相关文章推荐

spark-submit

 $[jifeng@feng03\ spark-1.4.0-bin-hadoop2.6]\$\ ./bin/spark-submit--class\ "SimpleApp"--master\ spark://f...$

wind520 2015年08月20日 23:28 2179

Flume环境部署和配置详解及案例大全

flume是一个分布式、可靠、和高可用的海量日志采集、聚合和传输的系统。支持在日志系统中定制各类数据发送方,用于收集数据同时,Flume提供对数据进行简单处理,并写到各种数据接受方比如文本、HDF...

moonpure 2015年07月22日 13:36 460

Spark 入门实战之最好的实例

转载:https://www.ibm.com/developerworks/cn/opensource/os-cn-spark-practice1/ 搭建开发环境 安装 Scala I...

器 sysmedia 2017年04月06日 17:18 372

第8课:彻底实战详解使用IDE开发Spark程序

本地安装好java和scala并创建工程WordCount

(i) Diamonds_ys 2016年08月25日 16:35 258

第8课:彻底实战详解使用IDE开发Spark程序

第8课:彻底实战详解使用IDE开发Spark程序 1.下载安装windows下的scala-2.10.4. 2打开eclipse,新建scala project: WordCount 3.修改依赖的...

G slq1023 2016年01月24日 00:13 2523

3000门徒内部训练绝密视频(泄密版)第8课:彻底实战详解使用IDE开发Spark程序

彻底实战详解使用IDE开发Spark程序使用IDE开发Spark分析使用IDE开发Spark实战使用IDE开发Spark的Local和Cluster开发两种选择:IDE A、Eclipse下载S...

(a) tom_8899_li 2016年08月11日 21:55 178

Scala-IDE Eclipse (Windows)中开发Spark应用程序,在Ubuntu Spark集群上运行

Scala-IDE EclipseWindows)中开发Spark应用程序,在Ubuntu Spark集群上运行在进行实际的Spark应用程序开发时,常常会利用Window环境进行程序开发,开发测试好...

 lovehuangjiaju 2015年07月11日 18:43 5167

大数据Spark "蘑菇云"行动前传第3课:在IDE下开发第一个Scala程序透彻解析及Scala控制结构详解实战

大数据Spark "蘑菇云"行动前传第3课:在IDE下开发第一个Scala程序透彻解析及Scala控制结构详解实战 1 通过IDE 开发第一个scala程序彻

Local模式下开发第一个Spark程序并运行于集群环境

■ kxr0502 2016年01月10日 08:09 1268

Spark on yarn Intellij ide 安装 , 编译 , 打包 , 集群运行 详解

一intellij 安装centos65系统 步骤一步骤二步骤三本地运行 打包集群 yarn 运行说明:已经安装好hadoop2.2.0 完全分布,scala,spark已安 举权。环境和哪些地,大

■ ZHAOLEI5911 2017年03月28日 14:26 388

第8课:Spark Streaming源码解读之RDD生成全生命周期彻底研究和思考

本期内容 1. DStream与RDD关系彻底研究 2. Streaming中RDD的生成彻底研究

R chinsun_1 2016-06-01 18:34 272

第7课在自己搭建的spark集群下运行程序实例

第一阶段:Spark streaming、spark sql、kafka、spark内核原理(必须有一个大型项目经验); 第二阶段:spark运行的各种环境,各种故障的解决,性能优化(精通spark...

(a) Ihui798 2016-01-10 19:53 288

第8课:Spark Streaming源码解读之RDD生成全生命周期彻底研究和思考

本期内容 Dstream与rdd关系彻底研究 Dstream中rdd生成彻底研究从整个sparkstreaming角度来考虑,rdd分为三个方面的内容: a.怎么生成的,依靠什么生成的; b....

MichaelLi916 2016-05-29 00:59 1487

【Spark亚太研究院系列丛书】Spark实战高手之路-第一章 构建Spark集群-配置Hadoop-伪分布模式并运...

执行文件拷贝操作

wwttz1974 2014-08-27 11:17 657

第8课:零基础实战Scala最常用数据结构Map和Tuple及Spark源码鉴赏

零基础实战Scala最常用数据结构Map和Tuple及Spark源码鉴赏

% w517424787 2016-07-30 21:34 892

第10课:底实战详解使用Java开发Spark程序学习笔记(二)

Maven下的Spark配置: http://maven.outofmemory.cn/org.apache.spark , 这个网站提供了Spark core、Spark Streaming使用Mave...

slq1023 2016-02-28 10:15 1564

第3课:在IDE下开发第一个Scala程序纯傻瓜式彻底透彻解析

Scala零基础实战详解!

% w517424787 2016-07-30 09:26 1673

第10课:底实战详解使用Java开发Spark程序学习笔记

第10课:底实战洋解使用Java开发Spark程序学习笔记 本期内容: 1. 为什么要使用Java? 2. 使用Java开发Spark实战 3. 使用Java开发Spark的Local和Cluster...

slq1023 2016-02-27 00:00 1056

第95讲:使用Scala开发集群运行的Spark来实现在线热搜索词获取

 $package\ com. dt. streaming\ import\ org. apache. spark. Spark Confi import\ org. apache. spark. streaming. (Secon...)$

@ qq_21234493 2016-05-15 16:37 564

spark mllib 应用程序开发及提交到spark集群运行--入门

一、程序开发 Dependencies MLlib uses the linear algebra package Breeze, which depends on netlib-java f...

hualizhuanshen2014 2016-03-24 13:16 544