When running spark-shell in Cloudera

|  |
| --- |
| [root@mac127 ~]# spark-shell  Setting default log level to "WARN".  To adjust logging level use sc.setLogLevel(newLevel).  Welcome to  \_\_\_\_ \_\_  / \_\_/\_\_ \_\_\_ \_\_\_\_\_/ /\_\_  \_\ \/ \_ \/ \_ `/ \_\_/ '\_/  /\_\_\_/ .\_\_/\\_,\_/\_/ /\_/\\_\ version 1.6.0  /\_/  Using Scala version 2.10.5 (Java HotSpot(TM) 64-Bit Server VM, Java 1.7.0\_67)  Type in expressions to have them evaluated.  Type :help for more information.  17/01/13 16:25:54 ERROR spark.SparkContext: Error initializing SparkContext.  java.lang.IllegalArgumentException: Required executor memory (1024+384 MB) is above the max threshold (1024 MB) of this cluster! Please check the values of 'yarn.scheduler.maximum-allocation-mb' and/or 'yarn.nodemanager.resource.memory-mb'.  at org.apache.spark.deploy.yarn.Client.verifyClusterResources(Client.scala:284)  at org.apache.spark.deploy.yarn.Client.submitApplication(Client.scala:140)  at org.apache.spark.scheduler.cluster.YarnClientSchedulerBackend.start(YarnClientSchedulerBackend.scala:57)  at org.apache.spark.scheduler.TaskSchedulerImpl.start(TaskSchedulerImpl.scala:157)  at org.apache.spark.SparkContext.<init>(SparkContext.scala:542)  at org.apache.spark.repl.SparkILoop.createSparkContext(SparkILoop.scala:1022)  at $line3.$read$$iwC$$iwC.<init>(<console>:15)  at $line3.$read$$iwC.<init>(<console>:25)  at $line3.$read.<init>(<console>:27)  at $line3.$read$.<init>(<console>:31)  at $line3.$read$.<clinit>(<console>)  at $line3.$eval$.<init>(<console>:7)  at $line3.$eval$.<clinit>(<console>)  at $line3.$eval.$print(<console>)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.repl.SparkIMain$ReadEvalPrint.call(SparkIMain.scala:1045)  at org.apache.spark.repl.SparkIMain$Request.loadAndRun(SparkIMain.scala:1326)  at org.apache.spark.repl.SparkIMain.loadAndRunReq$1(SparkIMain.scala:821)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:852)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:800)  at org.apache.spark.repl.SparkILoop.reallyInterpret$1(SparkILoop.scala:857)  at org.apache.spark.repl.SparkILoop.interpretStartingWith(SparkILoop.scala:902)  at org.apache.spark.repl.SparkILoop.command(SparkILoop.scala:814)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:125)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkIMain.beQuietDuring(SparkIMain.scala:305)  at org.apache.spark.repl.SparkILoopInit$class.initializeSpark(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkILoop.initializeSpark(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1$$anonfun$apply$mcZ$sp$5.apply$mcV$sp(SparkILoop.scala:974)  at org.apache.spark.repl.SparkILoopInit$class.runThunks(SparkILoopInit.scala:160)  at org.apache.spark.repl.SparkILoop.runThunks(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoopInit$class.postInitialization(SparkILoopInit.scala:108)  at org.apache.spark.repl.SparkILoop.postInitialization(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply$mcZ$sp(SparkILoop.scala:991)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at scala.tools.nsc.util.ScalaClassLoader$.savingContextLoader(ScalaClassLoader.scala:135)  at org.apache.spark.repl.SparkILoop.org$apache$spark$repl$SparkILoop$$process(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop.process(SparkILoop.scala:1064)  at org.apache.spark.repl.Main$.main(Main.scala:35)  at org.apache.spark.repl.Main.main(Main.scala)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.deploy.SparkSubmit$.org$apache$spark$deploy$SparkSubmit$$runMain(SparkSubmit.scala:731)  at org.apache.spark.deploy.SparkSubmit$.doRunMain$1(SparkSubmit.scala:181)  at org.apache.spark.deploy.SparkSubmit$.submit(SparkSubmit.scala:206)  at org.apache.spark.deploy.SparkSubmit$.main(SparkSubmit.scala:121)  at org.apache.spark.deploy.SparkSubmit.main(SparkSubmit.scala)  17/01/13 16:25:54 ERROR util.Utils: Uncaught exception in thread main  java.lang.NullPointerException  at org.apache.spark.network.shuffle.ExternalShuffleClient.close(ExternalShuffleClient.java:152)  at org.apache.spark.storage.BlockManager.stop(BlockManager.scala:1231)  at org.apache.spark.SparkEnv.stop(SparkEnv.scala:96)  at org.apache.spark.SparkContext$$anonfun$stop$12.apply$mcV$sp(SparkContext.scala:1768)  at org.apache.spark.util.Utils$.tryLogNonFatalError(Utils.scala:1230)  at org.apache.spark.SparkContext.stop(SparkContext.scala:1767)  at org.apache.spark.SparkContext.<init>(SparkContext.scala:614)  at org.apache.spark.repl.SparkILoop.createSparkContext(SparkILoop.scala:1022)  at $line3.$read$$iwC$$iwC.<init>(<console>:15)  at $line3.$read$$iwC.<init>(<console>:25)  at $line3.$read.<init>(<console>:27)  at $line3.$read$.<init>(<console>:31)  at $line3.$read$.<clinit>(<console>)  at $line3.$eval$.<init>(<console>:7)  at $line3.$eval$.<clinit>(<console>)  at $line3.$eval.$print(<console>)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.repl.SparkIMain$ReadEvalPrint.call(SparkIMain.scala:1045)  at org.apache.spark.repl.SparkIMain$Request.loadAndRun(SparkIMain.scala:1326)  at org.apache.spark.repl.SparkIMain.loadAndRunReq$1(SparkIMain.scala:821)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:852)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:800)  at org.apache.spark.repl.SparkILoop.reallyInterpret$1(SparkILoop.scala:857)  at org.apache.spark.repl.SparkILoop.interpretStartingWith(SparkILoop.scala:902)  at org.apache.spark.repl.SparkILoop.command(SparkILoop.scala:814)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:125)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkIMain.beQuietDuring(SparkIMain.scala:305)  at org.apache.spark.repl.SparkILoopInit$class.initializeSpark(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkILoop.initializeSpark(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1$$anonfun$apply$mcZ$sp$5.apply$mcV$sp(SparkILoop.scala:974)  at org.apache.spark.repl.SparkILoopInit$class.runThunks(SparkILoopInit.scala:160)  at org.apache.spark.repl.SparkILoop.runThunks(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoopInit$class.postInitialization(SparkILoopInit.scala:108)  at org.apache.spark.repl.SparkILoop.postInitialization(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply$mcZ$sp(SparkILoop.scala:991)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at scala.tools.nsc.util.ScalaClassLoader$.savingContextLoader(ScalaClassLoader.scala:135)  at org.apache.spark.repl.SparkILoop.org$apache$spark$repl$SparkILoop$$process(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop.process(SparkILoop.scala:1064)  at org.apache.spark.repl.Main$.main(Main.scala:35)  at org.apache.spark.repl.Main.main(Main.scala)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.deploy.SparkSubmit$.org$apache$spark$deploy$SparkSubmit$$runMain(SparkSubmit.scala:731)  at org.apache.spark.deploy.SparkSubmit$.doRunMain$1(SparkSubmit.scala:181)  at org.apache.spark.deploy.SparkSubmit$.submit(SparkSubmit.scala:206)  at org.apache.spark.deploy.SparkSubmit$.main(SparkSubmit.scala:121)  at org.apache.spark.deploy.SparkSubmit.main(SparkSubmit.scala)  java.lang.IllegalArgumentException: Required executor memory (1024+384 MB) is above the max threshold (1024 MB) of this cluster! Please check the values of 'yarn.scheduler.maximum-allocation-mb' and/or 'yarn.nodemanager.resource.memory-mb'.  at org.apache.spark.deploy.yarn.Client.verifyClusterResources(Client.scala:284)  at org.apache.spark.deploy.yarn.Client.submitApplication(Client.scala:140)  at org.apache.spark.scheduler.cluster.YarnClientSchedulerBackend.start(YarnClientSchedulerBackend.scala:57)  at org.apache.spark.scheduler.TaskSchedulerImpl.start(TaskSchedulerImpl.scala:157)  at org.apache.spark.SparkContext.<init>(SparkContext.scala:542)  at org.apache.spark.repl.SparkILoop.createSparkContext(SparkILoop.scala:1022)  at $iwC$$iwC.<init>(<console>:15)  at $iwC.<init>(<console>:25)  at <init>(<console>:27)  at .<init>(<console>:31)  at .<clinit>(<console>)  at .<init>(<console>:7)  at .<clinit>(<console>)  at $print(<console>)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.repl.SparkIMain$ReadEvalPrint.call(SparkIMain.scala:1045)  at org.apache.spark.repl.SparkIMain$Request.loadAndRun(SparkIMain.scala:1326)  at org.apache.spark.repl.SparkIMain.loadAndRunReq$1(SparkIMain.scala:821)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:852)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:800)  at org.apache.spark.repl.SparkILoop.reallyInterpret$1(SparkILoop.scala:857)  at org.apache.spark.repl.SparkILoop.interpretStartingWith(SparkILoop.scala:902)  at org.apache.spark.repl.SparkILoop.command(SparkILoop.scala:814)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:125)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkIMain.beQuietDuring(SparkIMain.scala:305)  at org.apache.spark.repl.SparkILoopInit$class.initializeSpark(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkILoop.initializeSpark(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1$$anonfun$apply$mcZ$sp$5.apply$mcV$sp(SparkILoop.scala:974)  at org.apache.spark.repl.SparkILoopInit$class.runThunks(SparkILoopInit.scala:160)  at org.apache.spark.repl.SparkILoop.runThunks(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoopInit$class.postInitialization(SparkILoopInit.scala:108)  at org.apache.spark.repl.SparkILoop.postInitialization(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply$mcZ$sp(SparkILoop.scala:991)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at scala.tools.nsc.util.ScalaClassLoader$.savingContextLoader(ScalaClassLoader.scala:135)  at org.apache.spark.repl.SparkILoop.org$apache$spark$repl$SparkILoop$$process(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop.process(SparkILoop.scala:1064)  at org.apache.spark.repl.Main$.main(Main.scala:35)  at org.apache.spark.repl.Main.main(Main.scala)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.deploy.SparkSubmit$.org$apache$spark$deploy$SparkSubmit$$runMain(SparkSubmit.scala:731)  at org.apache.spark.deploy.SparkSubmit$.doRunMain$1(SparkSubmit.scala:181)  at org.apache.spark.deploy.SparkSubmit$.submit(SparkSubmit.scala:206)  at org.apache.spark.deploy.SparkSubmit$.main(SparkSubmit.scala:121)  at org.apache.spark.deploy.SparkSubmit.main(SparkSubmit.scala)  java.lang.NullPointerException  at org.apache.spark.sql.SQLContext$.createListenerAndUI(SQLContext.scala:1375)  at org.apache.spark.sql.hive.HiveContext.<init>(HiveContext.scala:101)  at sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native Method)  at sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:57)  at sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45)  at java.lang.reflect.Constructor.newInstance(Constructor.java:526)  at org.apache.spark.repl.SparkILoop.createSQLContext(SparkILoop.scala:1033)  at $iwC$$iwC.<init>(<console>:15)  at $iwC.<init>(<console>:24)  at <init>(<console>:26)  at .<init>(<console>:30)  at .<clinit>(<console>)  at .<init>(<console>:7)  at .<clinit>(<console>)  at $print(<console>)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.repl.SparkIMain$ReadEvalPrint.call(SparkIMain.scala:1045)  at org.apache.spark.repl.SparkIMain$Request.loadAndRun(SparkIMain.scala:1326)  at org.apache.spark.repl.SparkIMain.loadAndRunReq$1(SparkIMain.scala:821)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:852)  at org.apache.spark.repl.SparkIMain.interpret(SparkIMain.scala:800)  at org.apache.spark.repl.SparkILoop.reallyInterpret$1(SparkILoop.scala:857)  at org.apache.spark.repl.SparkILoop.interpretStartingWith(SparkILoop.scala:902)  at org.apache.spark.repl.SparkILoop.command(SparkILoop.scala:814)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:133)  at org.apache.spark.repl.SparkILoopInit$$anonfun$initializeSpark$1.apply(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkIMain.beQuietDuring(SparkIMain.scala:305)  at org.apache.spark.repl.SparkILoopInit$class.initializeSpark(SparkILoopInit.scala:124)  at org.apache.spark.repl.SparkILoop.initializeSpark(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1$$anonfun$apply$mcZ$sp$5.apply$mcV$sp(SparkILoop.scala:974)  at org.apache.spark.repl.SparkILoopInit$class.runThunks(SparkILoopInit.scala:160)  at org.apache.spark.repl.SparkILoop.runThunks(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoopInit$class.postInitialization(SparkILoopInit.scala:108)  at org.apache.spark.repl.SparkILoop.postInitialization(SparkILoop.scala:64)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply$mcZ$sp(SparkILoop.scala:991)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop$$anonfun$org$apache$spark$repl$SparkILoop$$process$1.apply(SparkILoop.scala:945)  at scala.tools.nsc.util.ScalaClassLoader$.savingContextLoader(ScalaClassLoader.scala:135)  at org.apache.spark.repl.SparkILoop.org$apache$spark$repl$SparkILoop$$process(SparkILoop.scala:945)  at org.apache.spark.repl.SparkILoop.process(SparkILoop.scala:1064)  at org.apache.spark.repl.Main$.main(Main.scala:35)  at org.apache.spark.repl.Main.main(Main.scala)  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:57)  at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)  at java.lang.reflect.Method.invoke(Method.java:606)  at org.apache.spark.deploy.SparkSubmit$.org$apache$spark$deploy$SparkSubmit$$runMain(SparkSubmit.scala:731)  at org.apache.spark.deploy.SparkSubmit$.doRunMain$1(SparkSubmit.scala:181)  at org.apache.spark.deploy.SparkSubmit$.submit(SparkSubmit.scala:206)  at org.apache.spark.deploy.SparkSubmit$.main(SparkSubmit.scala:121)  at org.apache.spark.deploy.SparkSubmit.main(SparkSubmit.scala)  <console>:16: error: not found: value sqlContext  import sqlContext.implicits.\_  ^  <console>:16: error: not found: value sqlContext  import sqlContext.sql  ^  scala> sc  <console>:20: error: not found: value sc  sc  ^ |

Increased container memory from 1 GB to 1.5 GB for both

'yarn.scheduler.maximum-allocation-mb' = 2 GB and

'yarn.nodemanager.resource.memory-mb'. = 3 GB