cdh6_hbase新集群配置项整理

hbase-conf:

- RS堆栈大小：32G

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- hbase.bucketcache.size=64 =64 * 1024M：堆外缓存大小，单位为M

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- dfs.replication=3on=3：hdfs副本数

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- hbase.hregion.max.filesize=20G=20G：Region大小

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- hbase.hregion.memstore.flush.size=256=256M：Memstore刷新大小

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- hbase.regionserver.global.memstore.upperLimit=0.t=0.55：整个RS中Memstore最大比例

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#- hbase.regionserver.global.memstore.lowerLimit=0.t=0.5：整个RS中Memstore最小比例　　默认0.95

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- hbase.bucketcache.ioengine=off=offheap：使用堆外缓存

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#- hbase.bucketcache.percentage.in.combinebinedcache=0.9：堆外读缓存所占比例，剩余为堆内元数据缓存大小

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- hfile.block.cache.size=0.2=0.2：校验项,+upperLimit需要小于0.8

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- hbase.master.handler.count=256=256：Master处理客户端请求最大线程数

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- hbase.regionserver.handler.count=256=256：RS处理客户端请求最大线程数

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- hbase.hstore.blockingStoreFiles=100：storefile个数达到该值则block写入

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- hbase.hregion.memstore.block.multiplier=3:r=3：强制刷新Memstore大小的倍数

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- hbase.client.retries.number: 3 : 3

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 - hbase.rpc.timeout: 50: 5000

hbase-jvm:

HBASE_OFFHEAPSIZE=??G
HBASE_OPTS="-XX:MaxDirectMemorySize=??G -Xmx??G -Xms??G -Xmn1g -Xss256k -
XX:MetaspaceSize=256m -XX:MaxMetaspaceSize=256m -XX:+UseParNewGC -
XX:MaxTenuringThreshold=15 -XX:+CMSParallelRemarkEnabled -
XX:+UseCMSCompactAtFullCollection -XX:+CMSClassUnloadingEnabled -
XX:+UseCMSInitiatingOccupancyOnly -XX:CMSFullGCsBeforeCompaction=0 -
XX:CMSInitiatingOccupancyFraction=70 -XX:+PrintTenuringDistribution -
XX:SurvivorRatio=2 -XX:+UseConcMarkSweepGC -XX:-DisableExplicitGC $HBASE_OPTS"

-XX:+UseG1GC

-XX:InitiatingHeapOccupancyPercent=65

-XX:-ResizePLAB

-XX:MaxGCPauseMillis=90

-XX:+UnlockDiagnosticVMOptions

-XX:+G1SummarizeConcMark

-XX:+ParallelRefProcEnabled

-XX:G1HeapRegionSize=32m

-XX:G1HeapWastePercent=20

-XX:ConcGCThreads=4

-XX:ParallelGCThreads=16

-XX:MaxTenuringThreshold=1

-XX:G1MixedGCCountTarget=64

-XX:+UnlockExperimentalVMOptions

-XX:G1NewSizePercent=2

-XX:G1OldCSetRegionThresholdPercent=5

HDFS:

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– dfs.datanode.handler.count 64

 64

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– dfs.datanode.max.xcievers,

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– dfs.datanode.max.transfer.threads 12 12288

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– dfs.namenode.handler.count 256 256

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– dfs.namenode.service.handler.count 256 256