

# SortShuffleManager

getReader

## BlockStoreShuffleReader

read

new

## ShuffleBlockFetcherIterator

getMetaDataInfo  
MapOutputTracker

getMapSizeByExecutorId

getStatus

convertMapStatus

initialize

spiltLocalRemoteBlocks

## 抓取数据(包括远程和本地)

fetchUpMaxBytes

fetchLocalBlocks

sendRequest

result

aggregator.i  
sDefined

Y

## ExternalAppendOnlyMap

insertAll

.....

iterator

N

order

keyOrdering

N

iterator

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