package com.twitter.ann.service.query\_server.common

import com.twitter.logging.Logger

import com.twitter.search.common.file.AbstractFile

import scala.collection.JavaConverters.\_

object QueryServerUtil {

private val log = Logger.get("QueryServerUtil")

/\*\*

\* Validate if the abstract file (directory) size is within the defined limits.

\* @param dir Hdfs/Local directory

\* @param minIndexSizeBytes minimum size of file in bytes (Exclusive)

\* @param maxIndexSizeBytes minimum size of file in bytes (Exclusive)

\* @return true if file size within minIndexSizeBytes and maxIndexSizeBytes else false

\*/

def isValidIndexDirSize(

dir: AbstractFile,

minIndexSizeBytes: Long,

maxIndexSizeBytes: Long

): Boolean = {

val recursive = true

val dirSize = dir.listFiles(recursive).asScala.map(\_.getSizeInBytes).sum

log.debug(s"Ann index directory ${dir.getPath} size in bytes $dirSize")

val isValid = (dirSize > minIndexSizeBytes) && (dirSize < maxIndexSizeBytes)

if (!isValid) {

log.info(s"Ann index directory is invalid ${dir.getPath} size in bytes $dirSize")

}

isValid

}

}