package com.twitter.search.earlybird.partition;

import java.io.IOException;

import com.google.common.base.Preconditions;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import com.twitter.search.common.aurora.AuroraInstanceKey;

import com.twitter.search.common.aurora.AuroraSchedulerClient;

import com.twitter.search.earlybird.common.config.EarlybirdConfig;

import com.twitter.search.earlybird.factory.PartitionConfigUtil;

public final class PartitionConfigLoader {

private static final Logger LOG = LoggerFactory.getLogger(PartitionConfigLoader.class);

private PartitionConfigLoader() {

// this never gets called

}

/\*\*

\* Load partition information from the command line arguments and Aurora scheduler.

\*

\* @return The new PartitionConfig object for this host

\*/

public static PartitionConfig getPartitionInfoForMesosConfig(

AuroraSchedulerClient schedulerClient) throws PartitionConfigLoadingException {

AuroraInstanceKey instanceKey =

Preconditions.checkNotNull(EarlybirdConfig.getAuroraInstanceKey());

int numTasks;

try {

numTasks = schedulerClient.getActiveTasks(

instanceKey.getRole(), instanceKey.getEnv(), instanceKey.getJobName()).size();

LOG.info("Found {} active tasks", numTasks);

} catch (IOException e) {

// This can happen when Aurora Scheduler is holding a conclave to elect a new reader.

LOG.warn("Failed to get tasks from Aurora scheduler.", e);

throw new PartitionConfigLoadingException("Failed to get tasks from Aurora scheduler.");

}

return PartitionConfigUtil.initPartitionConfigForAurora(numTasks);

}

}