package com.twitter.search.earlybird;

import org.apache.zookeeper.KeeperException;

import com.twitter.common.zookeeper.ServerSet;

import com.twitter.common.zookeeper.ZooKeeperClient;

/\*\*

\* Represents a server that can add and remove itself from a server set.

\*/

public interface ServerSetMember {

/\*\*

\* Makes this server join its server set.

\*

\* @throws ServerSet.UpdateException

\* @param requestSource

\*/

void joinServerSet(String requestSource) throws ServerSet.UpdateException;

/\*\*

\* Makes this server leave its server set.

\*

\* @throws ServerSet.UpdateException

\* @param requestSource

\*/

void leaveServerSet(String requestSource) throws ServerSet.UpdateException;

/\*\*

\* Gets and returns the current number of members in this server's server set.

\*

\* @return number of members currently in this host's server set.

\* @throws InterruptedException

\* @throws ZooKeeperClient.ZooKeeperConnectionException

\* @throws KeeperException

\*/

int getNumberOfServerSetMembers() throws InterruptedException,

ZooKeeperClient.ZooKeeperConnectionException, KeeperException;

/\*\*

\* Checks if this earlybird is in the server set.

\*

\* @return true if it is, false otherwise.

\*/

boolean isInServerSet();

/\*\*

\* Should only be called for Archive Earlybirds.

\*

\* Join ServerSet for ServiceProxy with a named admin port and with a zookeeper path that Service

\* Proxy can translate to a domain name label that is less than 64 characters (due to the size

\* limit for domain name labels described here: https://tools.ietf.org/html/rfc1035)

\* This will allow us to access Earlybirds that are not on mesos via ServiceProxy.

\*/

void joinServerSetForServiceProxy();

}