package com.twitter.frigate.pushservice.store

import com.twitter.hermit.store.common.ReadableWritableStore

import com.twitter.notificationservice.thriftscala.GenericNotificationOverrideKey

import com.twitter.stitch.Stitch

import com.twitter.storage.client.manhattan.bijections.Bijections.BinaryCompactScalaInjection

import com.twitter.storage.client.manhattan.bijections.Bijections.LongInjection

import com.twitter.storage.client.manhattan.bijections.Bijections.StringInjection

import com.twitter.storage.client.manhattan.kv.ManhattanKVEndpoint

import com.twitter.storage.client.manhattan.kv.impl.Component

import com.twitter.storage.client.manhattan.kv.impl.DescriptorP1L1

import com.twitter.storage.client.manhattan.kv.impl.KeyDescriptor

import com.twitter.storage.client.manhattan.kv.impl.ValueDescriptor

import com.twitter.util.Future

case class NTabHistoryStore(mhEndpoint: ManhattanKVEndpoint, dataset: String)

extends ReadableWritableStore[(Long, String), GenericNotificationOverrideKey] {

private val keyDesc: DescriptorP1L1.EmptyKey[Long, String] =

KeyDescriptor(Component(LongInjection), Component(StringInjection))

private val genericNotifKeyValDesc: ValueDescriptor.EmptyValue[GenericNotificationOverrideKey] =

ValueDescriptor[GenericNotificationOverrideKey](

BinaryCompactScalaInjection(GenericNotificationOverrideKey)

)

override def get(key: (Long, String)): Future[Option[GenericNotificationOverrideKey]] = {

val (userId, impressionId) = key

val mhKey = keyDesc.withDataset(dataset).withPkey(userId).withLkey(impressionId)

Stitch

.run(mhEndpoint.get(mhKey, genericNotifKeyValDesc))

.map { optionMhValue =>

optionMhValue.map(\_.contents)

}

}

override def put(keyValue: ((Long, String), GenericNotificationOverrideKey)): Future[Unit] = {

val ((userId, impressionId), genericNotifOverrideKey) = keyValue

val mhKey = keyDesc.withDataset(dataset).withPkey(userId).withLkey(impressionId)

val mhVal = genericNotifKeyValDesc.withValue(genericNotifOverrideKey)

Stitch.run(mhEndpoint.insert(mhKey, mhVal))

}

}