package com.twitter.tsp.modules

import com.google.inject.Provides

import com.twitter.escherbird.util.uttclient.CacheConfigV2

import com.twitter.escherbird.util.uttclient.CachedUttClientV2

import com.twitter.escherbird.util.uttclient.UttClientCacheConfigsV2

import com.twitter.escherbird.utt.strato.thriftscala.Environment

import com.twitter.finagle.stats.StatsReceiver

import com.twitter.inject.TwitterModule

import com.twitter.strato.client.Client

import com.twitter.topiclisting.clients.utt.UttClient

import javax.inject.Singleton

object UttClientModule extends TwitterModule {

@Provides

@Singleton

def providesUttClient(

stratoClient: Client,

statsReceiver: StatsReceiver

): UttClient = {

// Save 2 ^ 18 UTTs. Promising 100% cache rate

lazy val defaultCacheConfigV2: CacheConfigV2 = CacheConfigV2(262143)

lazy val uttClientCacheConfigsV2: UttClientCacheConfigsV2 = UttClientCacheConfigsV2(

getTaxonomyConfig = defaultCacheConfigV2,

getUttTaxonomyConfig = defaultCacheConfigV2,

getLeafIds = defaultCacheConfigV2,

getLeafUttEntities = defaultCacheConfigV2

)

// CachedUttClient to use StratoClient

lazy val cachedUttClientV2: CachedUttClientV2 = new CachedUttClientV2(

stratoClient = stratoClient,

env = Environment.Prod,

cacheConfigs = uttClientCacheConfigsV2,

statsReceiver = statsReceiver.scope("CachedUttClient")

)

new UttClient(cachedUttClientV2, statsReceiver)

}

}