package com.twitter.tsp.handlers

import com.twitter.inject.utils.Handler

import com.twitter.topiclisting.FollowableTopicProductId

import com.twitter.topiclisting.ProductId

import com.twitter.topiclisting.TopicListingViewerContext

import com.twitter.topiclisting.utt.UttLocalization

import com.twitter.util.logging.Logging

import javax.inject.Inject

import javax.inject.Singleton

/\*\* \*

\* We configure Warmer to help warm up the cache hit rate under `CachedUttClient/get\_utt\_taxonomy/cache\_hit\_rate`

\* In uttLocalization.getRecommendableTopics, we fetch all topics exist in UTT, and yet the process

\* is in fact fetching the complete UTT tree struct (by calling getUttChildren recursively), which could take 1 sec

\* Once we have the topics, we stored them in in-memory cache, and the cache hit rate is > 99%

\*

\*/

@Singleton

class UttChildrenWarmupHandler @Inject() (uttLocalization: UttLocalization)

extends Handler

with Logging {

/\*\* Executes the function of this handler. \* \*/

override def handle(): Unit = {

uttLocalization

.getRecommendableTopics(

productId = ProductId.Followable,

viewerContext = TopicListingViewerContext(languageCode = Some("en")),

enableInternationalTopics = true,

followableTopicProductId = FollowableTopicProductId.AllFollowable

)

.onSuccess { result =>

logger.info(s"successfully warmed up UttChildren. TopicId length = ${result.size}")

}

.onFailure { throwable =>

logger.info(s"failed to warm up UttChildren. Throwable = ${throwable}")

}

}

}