#!/usr/bin/env python

# -\*- coding: utf-8 -\*-

'''

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提及量趋势(天)

'''

import sys,os

import MySQLdb

reload(sys)

sys.setdefaultencoding('utf8')

import requests

import time

import json

import base64

from requests\_kerberos import HTTPKerberosAuth, OPTIONAL

\_\_author\_\_ = "@Ivy"

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def issuccessful(request):

if 200 <= request.status\_code and request.status\_code <= 299:

return True

else:

return False

def mentioned\_trend(baseurl,mysqlhostIP, mysqlUserName = 'root', mysqlPassword = '', dbname = 'btv'):

# 连接数据库

sqlConn=MySQLdb.connect(host=mysqlhostIP, user=mysqlUserName, passwd=mysqlPassword, db = dbname, charset='utf8')

sqlcursor = sqlConn.cursor()

sqlcursor.execute('''CREATE TABLE IF NOT EXISTS gala\_mentioned\_trend(pk bigint NOT NULL PRIMARY KEY AUTO\_INCREMENT, mentioned bigint(50), date Date, program\_id varchar(50), program varchar(50)) DEFAULT CHARSET=utf8;''')

print '新建库成功'

os.popen('kinit -k -t ctvit.keytab ctvit')

kerberos\_auth = HTTPKerberosAuth(mutual\_authentication=OPTIONAL)

# 表名

tablename = "DATA:WEIBO\_POST\_chunwan"

r = requests.get(baseurl + "/" + tablename + "/\*", auth=kerberos\_auth, headers = {"Accept" : "application/json"})

if issuccessful(r) == False:

print "Could not get messages from HBase. Text was:\n" + r.text

quit()

bleats = json.loads(r.text)

tempData = []

date\_mentioned\_dict = dict()

# 时间属性

# inter为0，即为当日

inter = 0

now = int(time.time())-86400\*inter

timeArray = time.localtime(now)

otherStyleTime = time.strftime("%Y-%m-%d", timeArray)

print otherStyleTime

count\_times = 0

# bleats is json file

for row in bleats['Row']:

for cell in row['Cell']:

columnname = base64.b64decode(cell['column'])

value = cell['$']

if value == None:

print 'none'

continue

if columnname == "'base\_info:cdate'":

cdate = base64.b64decode(value)

cdate = cdate.split(' ')[0]

if cdate == otherStyleTime:

count\_times += 1

date\_mentioned\_dict[otherStyleTime] = count\_times

for i,j in date\_mentioned\_dict.iteritems():

print i,j

# 提及量

print 'quatity',j

tempData.append(int(j))

print 'date',i

# 日期

tempData.append(str(i))

# program\_id

tempData.append('12345')

# 节目名称

tempData.append('2016年北京卫视春节联欢晚会')

sqlcursor.execute('''insert into gala\_mentioned\_trend(mentioned, date, program\_id, program) values (%s, %s, %s, %s)''',tempData)

sqlConn.commit()

tempData = []

sqlConn.close()

if \_\_name\_\_=='\_\_main\_\_':

commentTest = mentioned\_trend(baseurl = "http://172.28.12.34:8080", mysqlhostIP = '10.3.3.182', dbname = 'btv')