

OAuth Testing - Budget Estimate Service

Notes:

- Follow the instructions on the wiki to get a client id, secret, and refresh token . This is a one time only step. http://kbase.ri.theseearchagency.com/index.php/OAuth_2.0_and_the_Google_APIs
- When using OAuth we do NOT get the following log message:
19:00:52,535 WARN [ads_api_lib] ClientLogin is now deprecated. Please switch to OAuth2. See [OfflineCredentials](#) for more information.
- OAuth tokens are cached for one hour
- Soap requests to Google that use OAuth no longer have an authToken in the header

Testing Overview:

Part I: Test that budget estimates are retrieved with OAuth and that the requests are using cached OAuth access tokens.

Part II: Test backwards compatibility with client login by providing incomplete OAuth credentials

PART I

1. Put the following lines in the ~/tsa_messaging_node1/server/properties-service.xml file. It should look like this file on Bitbucket: <https://bitbucket.org/tsa/aml-core/src/3b535adb5b26bf97da57ee6f5a235fe22f5596f/system/jboss-5.1.0-smb-saas/jboss/properties-service.xml?at=feature/oauth>

```
com.theseearchagency.smb.budgetestimate.searchengine.google.OAuthClientID=YOUR_OAUTH_CLIENT_ID
com.theseearchagency.smb.budgetestimate.searchengine.google.OAuthClientSecret=YOUR_OAUTH_CLIENT_SECRET
com.theseearchagency.smb.budgetestimate.searchengine.google.OAuthRefreshToken=YOUR_OAUTH_REFRESH_TOKEN
```

To make sure we are using OAuth, comment out

```
com.theseearchagency.smb.budgetestimate.searchengine.google.Password
```

2. Deploy the new ear and send a SOAP packet to get a budget estimate (enabling the preferSearchEngineOrigin option will ensure that we go to Google for the estimate). You can also get a budget estimate with the UI.

Example SOAP packet:

endpoint: <http://aml-dev3-core1:8080/SMB-BES/BudgetEstimateService>

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:getBudgetEstimatesRequest xmlns:ns2="http://theseearchagency.com/smb/core/">
      <budgetEstimateCriteriaList>
        <businessAreaID>0</businessAreaID>
        <businessLocationID>16479</businessLocationID>
        <keywordListID>138</keywordListID>
        <currencyCode>USD</currencyCode>
        <languageCode>en</languageCode>
        <preferSearchEngineOrigin>true</preferSearchEngineOrigin>
      </budgetEstimateCriteriaList>
    </ns2:getBudgetEstimatesRequest>
  </soap:Body>
</soap:Envelope>
```

</soapenv:Envelope>

3. Tail the JBoss log and look for the highlighted lines. Notice that a new OAuthServiceComponent was made, and it got an access token. Keep the access token to for reference later. Also notice there is no auth token in the header of the soap request.

18:21:08,465 INFO [LoggingInInterceptor] Inbound Message

ID: 4

Address: /SMB-BES/BudgetEstimateService

Encoding: UTF-8

Content-Type: text/xml;charset=UTF-8

Headers: {content-type=[text/xml;charset=UTF-8], connection=[Keep-Alive], host=[aml-dev3-core1:8080], Content-Length=[698], SOAPAction=["http://thesearchagency.com/smb/core/getBudgetEstimates"], user-agent=[Apache-HttpClient/4.1.1 (java 1.5)], accept-encoding=[gzip,deflate], Content-Type=[text/xml;charset=UTF-8]}

Payload: <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">

<soap:Body>
<ns2:getBudgetEstimatesRequest xmlns:ns2="http://thesearchagency.com/smb/core/">
 <budgetEstimateCriteriaList>
 <businessAreaID>0</businessAreaID>
 <businessLocationID>16479</businessLocationID>
 <keywordListID>138</keywordListID>
 <currencyCode>USD</currencyCode>
 <languageCode>en</languageCode>
 <preferSearchEngineOrigin>true</preferSearchEngineOrigin>
 </budgetEstimateCriteriaList>
</ns2:getBudgetEstimatesRequest>
</soap:Body>
</soap:Envelope>

18:21:08,476 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container

18:21:08,476 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container

18:21:08,490 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container

18:21:08,490 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container

18:21:08,492 DEBUG [JdbcTemplate] Executing prepared SQL query

18:21:08,492 DEBUG [JdbcTemplate] Executing prepared SQL statement [select ba.id, ba.description, ba.status, bcam.businessCategoryID from businessAreas ba left join businessCategoryAreaMap bcam on bcam.businessAreaID=ba.id where ba.id=? order by bcam.businessCategoryID limit 1]

18:21:08,502 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container

18:21:08,502 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container

18:21:08,504 DEBUG [JdbcTemplate] Executing prepared SQL query

18:21:08,504 DEBUG [JdbcTemplate] Executing prepared SQL statement [select bl.id, bl.description, bl.shortDescription, bl.status, bl.useSEDefinedTargets, bl.usePointRadiusTargets, bl.isSellable, blt.type, blm.parentBusinessLocationID from businessLocations bl left join businessLocationMap blm on blm.childBusinessLocationID = bl.id join businessLocationTypes blt on blt.id = bl.businessLocationTypeID where bl.id=?]

18:21:08,513 DEBUG [GoogleTrafficEstimator] Max campaigns: 5

18:21:08,513 DEBUG [GoogleTrafficEstimator] Max keywords: 500

18:21:08,515 INFO [BudgetEstimateDAO] Query: SELECT glt.id, glt.target, glt.description, glt.type, glt.code, gbm.budgetEstimateMultiplier FROM mms_common.googleLocationTargets glt JOIN googleBudgetEstimateMap gbm on gbm.googleLocationTargetID = glt.id WHERE gbm.businessLocationID=?

18:21:08,516 DEBUG [JdbcTemplate] Executing prepared SQL query
18:21:08,516 DEBUG [JdbcTemplate] Executing prepared SQL statement [SELECT glt.id, glt.target, glt.description, glt.type, glt.code, gbem.budgetEstimateMultiplier FROM mms_common.googleLocationTargets glt JOIN googleBudgetEstimateMap gbem on gbem.googleLocationTargetID = glt.id WHERE gbem.businessLocationID=?]
18:21:08,553 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container
18:21:08,555 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container
18:21:08,569 DEBUG [KeywordServiceImpl] Getting keywords for BF: 93018
18:21:08,575 DEBUG [JdbcTemplate] Executing prepared SQL query
18:21:08,575 DEBUG [JdbcTemplate] Executing prepared SQL statement [select k.id, k.keywordListID, k.keyword, k.matchType, k.isGeoMod, k.isGeoTarget, k.isMobile, k.isNegative from keywords k join keywordLists l on (k.keywordListID = l.id) where l.businessFunctionID = ? and k.matchType <> 'website' and k.id not in (select negative.id from keywords negative join keywords positive on (negative.keywordListID = positive.keywordListID) where negative.isGeoTarget = 1 and negative.matchType not in('broad','website') and negative.isNegative = 1 and positive.isGeoTarget = 1 and positive.isNegative = 0 and positive.matchType <> 'website' and positive.keywordListID = l.id and positive.keyword REGEXP concat('(-+[[[::]])',negative.keyword,'(-+[[[::]])))']
18:21:08,599 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'id' to property 'ID' of type int
18:21:08,600 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'keywordListID' to property 'keywordListID' of type int
18:21:08,600 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'keyword' to property 'keyword' of type class java.lang.String
18:21:08,601 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'matchType' to property 'matchType' of type class com.theseagency.core.smb.dto.KeywordMatchType
18:21:08,606 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isGeoMod' to property 'isGeoMod' of type boolean
18:21:08,606 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isGeoTarget' to property 'isGeoTarget' of type boolean
18:21:08,607 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isMobile' to property 'isMobile' of type boolean
18:21:08,607 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isNegative' to property 'isNegative' of type boolean
18:21:08,625 DEBUG [KeywordServiceImpl] 33 keywords found for BF: 93018
18:21:08,627 DEBUG [JdbcTemplate] Executing prepared SQL query
18:21:08,627 DEBUG [JdbcTemplate] Executing prepared SQL statement [select dateUpdated from biz_function_location.keywordLists where businessFunctionID = ?]
18:21:08,629 DEBUG [KeywordServiceImpl] 33 keywords found for BF: 93018
18:21:09,275 INFO [OAuthServiceComponent] [oauth] Creating new OAuthServiceComponent
18:21:09,349 DEBUG [OAuthServiceComponent] [oauth] Getting new access token
18:21:09,883 DEBUG [OAuthServiceComponent] [oauth] Return OAuth credential. Access token = ya29.1.AADtN_WkxoYVSKunInxwQ4VNfykhxqYKCaMbCnIggqYgwtmkzOzjuO2h0a2ZKn9mRT8wZhM
18:21:09,884 DEBUG [SearchEngineBudgetEstimateRetriever] Getting estimates for 584/Scotland,United Kingdom
18:21:09,957 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab bench MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
...
18:21:09,961 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: tips MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:21:09,963 DEBUG [GoogleTrafficEstimator] DEBUG: totalCampaigns = 1; totalKeywords = 33
18:21:10,655 INFO [GoogleTrafficEstimator] Start BES thread: 163
18:21:11,903 INFO [requestInfoLogger] Request made: Service: "TrafficEstimatorServiceInterfacePort" Method: "get" URL: "https://adwords.google.com/api/adwords/o/v201309/TrafficEstimatorService"
18:21:11,922 INFO [soapXmlLogger] SOAP Request:
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
 <soapenv:Header>

```

<ns1:RequestHeader xmlns:ns1="https://adwords.google.com/api/adwords/o/v201309"
soapenv:mustUnderstand="0">
  <ns2:clientCustomerId
xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309">1372398838</ns2:clientCustomerId>
  <ns3:developerToken
xmlns:ns3="https://adwords.google.com/api/adwords/cm/v201309">ojCnjZaM6RD1h0yt_DOJZg</ns3:developerTo
ken>
  <ns4:userAgent xmlns:ns4="https://adwords.google.com/api/adwords/cm/v201309">AdMax Local AdWords
Software (AwApi-Java, AdWords-Axis/1.25.0, Common-Java/1.25.0, Axis/1.4, Java/1.6.0_27,
maven)</ns4:userAgent>
  <ns5:validateOnly
xmlns:ns5="https://adwords.google.com/api/adwords/cm/v201309">>false</ns5:validateOnly>
  <ns6:partialFailure
xmlns:ns6="https://adwords.google.com/api/adwords/cm/v201309">>false</ns6:partialFailure>
</ns1:RequestHeader>
</soapenv:Header>
<soapenv:Body>
  <get xmlns="https://adwords.google.com/api/adwords/o/v201309">
    <selector>
      <campaignEstimateRequests>
        <adGroupEstimateRequests>
          <keywordEstimateRequests>
            <keyword>
              <ns7:text xmlns:ns7="https://adwords.google.com/api/adwords/cm/v201309">ab bench</ns7:text>
              <ns8:matchType
xmlns:ns8="https://adwords.google.com/api/adwords/cm/v201309">BROAD</ns8:matchType>
            </keyword>
            <isNegative>>false</isNegative>
          </keywordEstimateRequests>
          ...
          <keywordEstimateRequests>
            <keyword>
              <ns71:text xmlns:ns71="https://adwords.google.com/api/adwords/cm/v201309">tips</ns71:text>
              <ns72:matchType
xmlns:ns72="https://adwords.google.com/api/adwords/cm/v201309">BROAD</ns72:matchType>
            </keyword>
            <isNegative>>true</isNegative>
          </keywordEstimateRequests>
          <maxCpc>
            <ns73:microAmount
xmlns:ns73="https://adwords.google.com/api/adwords/cm/v201309">1000000000</ns73:microAmount>
          </maxCpc>
        </adGroupEstimateRequests>
        <criteria xmlns:ns74="https://adwords.google.com/api/adwords/cm/v201309" xsi:type="ns74:Language">
          <ns74:id>1000</ns74:id>
        </criteria>
        <criteria xmlns:ns75="https://adwords.google.com/api/adwords/cm/v201309" xsi:type="ns75:Location">
          <ns75:id>20342</ns75:id>
        </criteria>
        <networkSetting>
          <ns76:targetGoogleSearch
xmlns:ns76="https://adwords.google.com/api/adwords/cm/v201309">true</ns76:targetGoogleSearch>
          <ns77:targetSearchNetwork
xmlns:ns77="https://adwords.google.com/api/adwords/cm/v201309">true</ns77:targetSearchNetwork>
        </networkSetting>
      </campaignEstimateRequests>

```

```
</selector>
</get>
</soapenv:Body>
</soapenv:Envelope>
```

18:21:11,922 INFO [soapXmlLogger] SOAP Response:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<soap:Header>
```

```
<ResponseHeader xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309"
xmlns="https://adwords.google.com/api/adwords/o/v201309">
```

```
<ns2:requestId>0004f46cebc243a80ae5638a00000e35</ns2:requestId>
```

```
<ns2:serviceName>AccountService</ns2:serviceName>
```

```
<ns2:methodName>get</ns2:methodName>
```

```
<ns2:operations>0</ns2:operations>
```

```
<ns2:responseTime>331</ns2:responseTime>
```

```
</ResponseHeader>
```

```
</soap:Header>
```

```
<soap:Body>
```

```
<getResponse xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309"
xmlns="https://adwords.google.com/api/adwords/o/v201309">
```

```
<rval>
```

```
<campaignEstimates>
```

```
<Estimate.Type>CampaignEstimate</Estimate.Type>
```

```
<adGroupEstimates>
```

```
<Estimate.Type>AdGroupEstimate</Estimate.Type>
```

```
<keywordEstimates>
```

```
<Estimate.Type>KeywordEstimate</Estimate.Type>
```

```
<min>
```

```
<averageCpc>
```

```
<ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
```

```
<ns2:microAmount>148991</ns2:microAmount>
```

```
</averageCpc>
```

```
<averagePosition>1.111111405455043</averagePosition>
```

```
<clicksPerDay>1.3203561</clicksPerDay>
```

```
<impressionsPerDay>72.480125</impressionsPerDay>
```

```
<clickThroughRate>0.01639512119223352</clickThroughRate>
```

```
<totalCost>
```

```
<ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
```

```
<ns2:microAmount>218580</ns2:microAmount>
```

```
</totalCost>
```

```
</min>
```

```
<max>
```

```
<averageCpc>
```

```
<ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
```

```
<ns2:microAmount>182101</ns2:microAmount>
```

```
</averageCpc>
```

```
<averagePosition>1.0</averagePosition>
```

```
<clicksPerDay>1.6137686</clicksPerDay>
```

```
<impressionsPerDay>88.58683</impressionsPerDay>
```

```
<clickThroughRate>0.02003848242233519</clickThroughRate>
```

```
<totalCost>
```

```
<ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
```

```
<ns2:microAmount>267154</ns2:microAmount>
```

```
</totalCost>
```

```
</max>
```

```
</keywordEstimates>
```

...

```
<keywordEstimates>
  <Estimate.Type>KeywordEstimate</Estimate.Type>
  <min>
    <averageCpc>
      <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
      <ns2:microAmount>0</ns2:microAmount>
    </averageCpc>
    <averagePosition>0.0</averagePosition>
    <clicksPerDay>0.0</clicksPerDay>
    <impressionsPerDay>0.0</impressionsPerDay>
    <clickThroughRate>0.0</clickThroughRate>
    <totalCost>
      <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
      <ns2:microAmount>0</ns2:microAmount>
    </totalCost>
  </min>
  <max>
    <averageCpc>
      <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
      <ns2:microAmount>0</ns2:microAmount>
    </averageCpc>
    <averagePosition>0.0</averagePosition>
    <clicksPerDay>0.0</clicksPerDay>
    <impressionsPerDay>0.0</impressionsPerDay>
    <clickThroughRate>0.0</clickThroughRate>
    <totalCost>
      <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
      <ns2:microAmount>0</ns2:microAmount>
    </totalCost>
  </max>
</keywordEstimates>
</adGroupEstimates>
</campaignEstimates>
</rval>
</getResponse>
</soap:Body>
</soap:Envelope>
```

```
18:21:11,925 INFO [GoogleTrafficEstimator] Finish BES thread: 163
18:21:11,931 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab bench
18:21:11,932 DEBUG [SearchEngineBudgetEstimateRetriever] Lower Clicks: 1.3203561
18:21:11,932 DEBUG [SearchEngineBudgetEstimateRetriever] Lower CPC: 0.148991
18:21:11,932 DEBUG [SearchEngineBudgetEstimateRetriever] Upper Clicks: 1.6137686
18:21:11,933 DEBUG [SearchEngineBudgetEstimateRetriever] Upper CPC: 0.182101
18:21:11,933 DEBUG [SearchEngineBudgetEstimateRetriever] Total Cost: 0.267154
18:21:11,933 DEBUG [SearchEngineBudgetEstimateRetriever] *****
18:21:11,933 DEBUG [SearchEngineBudgetEstimateRetriever] thisMax now: 0.267154
18:21:11,934 DEBUG [SearchEngineBudgetEstimateRetriever] MaxPrice now: 0.267154
```

...

```
18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: tips
18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] Lower Clicks: 0.0
18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] Lower CPC: 0.0
18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] Upper Clicks: 0.0
18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] Upper CPC: 0.0
```

18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] Total Cost: 0.0
18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] *****
18:21:11,961 DEBUG [SearchEngineBudgetEstimateRetriever] thisMax now: 0.0
18:21:11,962 DEBUG [SearchEngineBudgetEstimateRetriever] MaxPrice now: 7.7396865
18:21:11,962 DEBUG [SearchEngineBudgetEstimateRetriever] *****
18:21:11,964 DEBUG [SearchEngineBudgetEstimateRetriever] Raw estimate found for 93018-584
18:21:11,968 INFO [BudgetEstimateDAO] Requesting most recent demand map
18:21:11,968 INFO [BudgetEstimateDAO] Query: SELECT gbe.id, gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.minPrice, gbe.maxPrice, gbe.minClicks, gbe.maxClicks, gbe.time FROM googleBudgetEstimates gbe WHERE gbe.businessAreaID=? and gbe.googleLocationTargetID=? and gbe.currencyCode=? and gbe.languageCode=? and gbe.time>? ORDER BY gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.time DESC LIMIT 1
18:21:11,969 DEBUG [JdbcTemplate] Executing prepared SQL query
18:21:11,969 DEBUG [JdbcTemplate] Executing prepared SQL statement [SELECT gbe.id, gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.minPrice, gbe.maxPrice, gbe.minClicks, gbe.maxClicks, gbe.time FROM googleBudgetEstimates gbe WHERE gbe.businessAreaID=? and gbe.googleLocationTargetID=? and gbe.currencyCode=? and gbe.languageCode=? ORDER BY gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.time DESC LIMIT 1]
18:21:11,974 ERROR [BudgetEstimateDAO] A budget estimate was found with min/max prices = 5.699223/7.7396865
18:21:11,974 INFO [BudgetEstimateDAO] Query: INSERT INTO googleBudgetEstimates (businessAreaID, googleLocationTargetID, currencyCode, languageCode, minPrice, maxPrice, minClicks, maxClicks, time) VALUES (?,?,?,?,?,?,?,?)
18:21:11,978 DEBUG [JdbcTemplate] Executing prepared SQL update
18:21:12,088 DEBUG [JdbcTemplate] Executing prepared SQL statement [INSERT INTO googleBudgetEstimates (businessAreaID, googleLocationTargetID, currencyCode, languageCode, minPrice, maxPrice, minClicks, maxClicks, time) VALUES (?,?,?,?,?,?,?,?)]
18:21:12,090 DEBUG [JdbcTemplate] SQL update affected 1 rows
18:21:12,091 DEBUG [JdbcTemplate] Executing SQL query [select last_insert_id()]
18:21:12,094 DEBUG [BudgetEstimateServiceImpl] Looking for target ID: 584
18:21:12,094 DEBUG [BudgetEstimateServiceImpl] Checking raw budget estimate for: 93018-0
18:21:12,094 DEBUG [BudgetEstimateServiceImpl] Finalizing budget estimate . . . minPrice = 5.699223
18:21:12,094 DEBUG [BudgetEstimateServiceImpl] maxPrice = 7.7396865
18:21:12,095 DEBUG [BudgetEstimateServiceImpl] Daily pricing . . . maxPrice = 7.7396865
18:21:12,095 DEBUG [BudgetEstimateServiceImpl] Budget estimate using multiplier (1.0) . . . maxPrice = 235.572
18:21:12,095 DEBUG [BudgetEstimateServiceImpl] Set origin to: SEARCHENGINE
18:21:12,097 INFO [BudgetEstimateServiceImpl] BES - Number of keywords in estimate request: 10
18:21:12,097 DEBUG [BudgetEstimateServiceImpl] Quota costs . . . 0.0
18:21:12,097 DEBUG [BudgetEstimateServiceImpl] Final budget estimate . . . minPrice = 5.894
18:21:12,097 DEBUG [BudgetEstimateServiceImpl] maxPrice = 235.572
18:21:12,097 DEBUG [BudgetEstimateServiceImpl] minClicks = 3.0
18:21:12,097 DEBUG [BudgetEstimateServiceImpl] maxClicks = 107.921
18:21:12,098 INFO [BudgetEstimateServiceImpl] Request time: 3616 millis / Google API call time: 1968 millis
18:21:12,117 INFO [LoggingInInterceptor] Outbound Message

ID: 4

Encoding: UTF-8

Content-Type: text/xml

Headers: {}

Payload: <soap:Envelope

```
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Body><ns2:getBudgetEstimatesResponse
xmlns:ns2="http://thesearchagency.com/smb/core/"><budgetEstimateResultList><result><resultCode>success</resultCode
</result><budgetEstimateCriteria><businessAreaID>93018</businessAreaID><businessLocationID>300004</businessL
ocationID><currencyCode>USD</currencyCode><languageCode>en</languageCode></budgetEstimateCriteria><budgetE
stimate><origin>search_engine</origin><lastUpdateTime>2014-03-
12T18:21:11.964Z</lastUpdateTime><minimumPrice>5.894</minimumPrice><maximumPrice>235.572</maximumPrice
><minimumClicks>3.0</minimumClicks><maximumClicks>107.921</maximumClicks></budgetEstimate></budgetEstim
ateResultList></ns2:getBudgetEstimatesResponse></soap:Body></soap:Envelope>
```

18:21:33,386 INFO [LoggingInInterceptor] Inbound Message

4. Send the same budget estimate request again (make sure preferSearchEngineOrigin is set to true).

5. Tail the JBoss log and look for the highlighted lines. Notice that this time no new OAuthServiceComponent was made and it did not get a new access token. Instead it returned a cached token. Verify that the OAuth tokens are the same for the first and second request.

Example:

First request

18:21:09,883 DEBUG [OAuthServiceComponent] [oauth] Return OAuth credential. Access token = ya29.1.AADtN_WkxoYVSKunInxwQ4VNfYkhxqYKCaMbCnIggqYgwtmkzOzjuO2h0a2ZKn9mRT8wZhM

Second request

18:37:06,825 DEBUG [OAuthServiceComponent] [oauth] Return OAuth credential. Access token = ya29.1.AADtN_WkxoYVSKunInxwQ4VNfYkhxqYKCaMbCnIggqYgwtmkzOzjuO2h0a2ZKn9mRT8wZhM

Also verify that there is no auth token in the header of the soap request.

18:37:06,754 INFO [LoggingInInterceptor] Inbound Message

ID: 21

Address: /SMB-BES/BudgetEstimateService

Encoding: UTF-8

Content-Type: text/xml;charset=UTF-8

Headers: {content-type=[text/xml;charset=UTF-8], connection=[Keep-Alive], host=[aml-dev3-core1:8080], Content-Length=[698], SOAPAction=["http://thesearchagency.com/smb/core/getBudgetEstimates"], user-agent=[Apache-HttpClient/4.1.1 (java 1.5)], accept-encoding=[gzip,deflate], Content-Type=[text/xml;charset=UTF-8]}

Payload: <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">

```
<soap:Body>
  <ns2:getBudgetEstimatesRequest xmlns:ns2="http://thesearchagency.com/smb/core/">
    <budgetEstimateCriteriaList>
      <businessAreaID>0</businessAreaID>
      <businessLocationID>16479</businessLocationID>
      <keywordListID>138</keywordListID>
      <currencyCode>USD</currencyCode>
      <languageCode>en</languageCode>
      <preferSearchEngineOrigin>true</preferSearchEngineOrigin>
    </budgetEstimateCriteriaList>
  </ns2:getBudgetEstimatesRequest>
</soap:Body>
</soap:Envelope>
```

18:37:06,758 DEBUG [JdbcTemplate] Executing prepared SQL query

18:37:06,758 DEBUG [JdbcTemplate] Executing prepared SQL statement [select ba.id, ba.description, ba.status, bcam.businessCategoryID from businessAreas ba left join businessCategoryAreaMap bcam on bcam.businessAreaID=ba.id where ba.id=? order by bcam.businessCategoryID limit 1]

18:37:06,764 DEBUG [JdbcTemplate] Executing prepared SQL query

18:37:06,764 DEBUG [JdbcTemplate] Executing prepared SQL statement [select bl.id, bl.description, bl.shortDescription, bl.status, bl.useSEDefinedTargets, bl.usePointRadiusTargets, bl.isSellable, blt.type, blm.parentBusinessLocationID from businessLocations bl left join businessLocationMap blm on blm.childBusinessLocationID = bl.id join businessLocationTypes blt on blt.id = bl.businessLocationTypeID where bl.id=?]

18:37:06,765 INFO [BudgetEstimateDAO] Query: SELECT glt.id, glt.target, glt.description, glt.type, glt.code, gbm.budgetEstimateMultiplier FROM mms_common.googleLocationTargets glt JOIN googleBudgetEstimateMap gbm on gbm.googleLocationTargetID = glt.id WHERE gbm.businessLocationID=?

18:37:06,766 DEBUG [JdbcTemplate] Executing prepared SQL query
18:37:06,766 DEBUG [JdbcTemplate] Executing prepared SQL statement [SELECT glt.id, glt.target, glt.description, glt.type, glt.code, gbem.budgetEstimateMultiplier FROM mms_common.googleLocationTargets glt JOIN googleBudgetEstimateMap gbem on gbem.googleLocationTargetID = glt.id WHERE gbem.businessLocationID=?]
18:37:06,770 DEBUG [KeywordServiceImpl] Getting keywords for BF: 93018
18:37:06,770 DEBUG [JdbcTemplate] Executing prepared SQL query
18:37:06,770 DEBUG [JdbcTemplate] Executing prepared SQL statement [select k.id, k.keywordListID, k.keyword, k.matchType, k.isGeoMod, k.isGeoTarget, k.isMobile, k.isNegative from keywords k join keywordLists l on (k.keywordListID = l.id) where l.businessFunctionID = ? and k.matchType <> 'website' and k.id not in (select negative.id from keywords negative join keywords positive on (negative.keywordListID = positive.keywordListID) where negative.isGeoTarget = 1 and negative.matchType not in('broad','website') and negative.isNegative = 1 and positive.isGeoTarget = 1 and positive.isNegative = 0 and positive.matchType <> 'website' and positive.keywordListID = l.id and positive.keyword REGEXP concat('(-+[[[:<:]]]',negative.keyword,'(-+[[[:>:]]]')))]
18:37:06,772 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'id' to property 'ID' of type int
18:37:06,772 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'keywordListID' to property 'keywordListID' of type int
18:37:06,773 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'keyword' to property 'keyword' of type class java.lang.String
18:37:06,773 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'matchType' to property 'matchType' of type class com.theseagency.core.smb.dto.KeywordMatchType
18:37:06,773 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isGeoMod' to property 'isGeoMod' of type boolean
18:37:06,773 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isGeoTarget' to property 'isGeoTarget' of type boolean
18:37:06,773 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isMobile' to property 'isMobile' of type boolean
18:37:06,773 DEBUG [ParameterizedBeanPropertyRowMapper] Mapping column 'isNegative' to property 'isNegative' of type boolean
18:37:06,822 DEBUG [KeywordServiceImpl] 33 keywords found for BF: 93018
18:37:06,822 DEBUG [JdbcTemplate] Executing prepared SQL query
18:37:06,822 DEBUG [JdbcTemplate] Executing prepared SQL statement [select dateUpdated from biz_function_location.keywordLists where businessFunctionID = ?]
18:37:06,824 DEBUG [KeywordServiceImpl] 33 keywords found for BF: 93018
18:37:06,825 DEBUG [OAuthServiceComponent] [oauth] Return OAuth credential. Access token = ya29.1.AADtN_WkxoYVSKunInxwQ4VNfYkxqYKCaMbCnIggqYgwtmkzOzjuO2h0a2ZKn9mRT8wZhM
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Getting estimates for 584/Scotland,United Kingdom
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab bench MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab cruch machine MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab cruncher MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab equipment MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab exercise equipment MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab exercise machines MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab machines MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab roller MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,825 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: abdominal bench MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: abdominal exercise equipment MatchType: broad isGeoModifiable: true isGeoModified: true isGeoTarget: true isMobile: true isNegative: false
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: advice MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true

18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: apprentice MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: apprentices MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: apprenticeship MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: apprenticeships MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: article MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: career MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: careers MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,826 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: college MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: colleges MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: compare MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: course MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: courses MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: diy MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: gallery MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: how to MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: images MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,827 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: job MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,828 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: jobs MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,828 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: pictures MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,828 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: school MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,828 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: schools MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,828 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: tips MatchType: broad isGeoModifiable: false isGeoModified: false isGeoTarget: true isMobile: true isNegative: true
18:37:06,828 DEBUG [GoogleTrafficEstimator] DEBUG: totalCampaigns = 1; totalKeywords = 33
18:37:06,854 INFO [GoogleTrafficEstimator] Start BES thread: 221
18:37:07,513 INFO [requestInfoLogger] Request made: Service: "TrafficEstimatorServiceInterfacePort" Method: "get" URL: "https://adwords.google.com/api/adwords/o/v201309/TrafficEstimatorService"
18:37:07,528 INFO [soapXmlLogger] SOAP Request:
<?xml version="1.0" encoding="UTF-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
 <soapenv:Header>
 <ns1:RequestHeader xmlns:ns1="https://adwords.google.com/api/adwords/o/v201309"
soapenv:mustUnderstand="0">
 <ns2:clientCustomerId
xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309">1372398838</ns2:clientCustomerId>
 <ns3:developerToken

```

xmlns:ns3="https://adwords.google.com/api/adwords/cm/v201309">ojCnjZaM6RD1h0yt_DOJZg</ns3:developerTo
ken>
  <ns4:userAgent xmlns:ns4="https://adwords.google.com/api/adwords/cm/v201309">AdMax Local AdWords
Software (AwApi-Java, AdWords-Axis/1.25.0, Common-Java/1.25.0, Axis/1.4, Java/1.6.0_27,
maven)</ns4:userAgent>
  <ns5:validateOnly
xmlns:ns5="https://adwords.google.com/api/adwords/cm/v201309">>false</ns5:validateOnly>
  <ns6:partialFailure
xmlns:ns6="https://adwords.google.com/api/adwords/cm/v201309">>false</ns6:partialFailure>
</ns1:RequestHeader>
</soapenv:Header>
<soapenv:Body>
  <get xmlns="https://adwords.google.com/api/adwords/o/v201309">
    <selector>
      <campaignEstimateRequests>
        <adGroupEstimateRequests>
          <keywordEstimateRequests>
            <keyword>
              <ns7:text xmlns:ns7="https://adwords.google.com/api/adwords/cm/v201309">ab bench</ns7:text>
              <ns8:matchType
xmlns:ns8="https://adwords.google.com/api/adwords/cm/v201309">BROAD</ns8:matchType>
            </keyword>
            <isNegative>>false</isNegative>
          </keywordEstimateRequests>
          ...
          <keywordEstimateRequests>
            <keyword>
              <ns71:text xmlns:ns71="https://adwords.google.com/api/adwords/cm/v201309">tips</ns71:text>
              <ns72:matchType
xmlns:ns72="https://adwords.google.com/api/adwords/cm/v201309">BROAD</ns72:matchType>
            </keyword>
            <isNegative>>true</isNegative>
          </keywordEstimateRequests>
          <maxCpc>
            <ns73:microAmount
xmlns:ns73="https://adwords.google.com/api/adwords/cm/v201309">1000000000</ns73:microAmount>
          </maxCpc>
        </adGroupEstimateRequests>
        <criteria xmlns:ns74="https://adwords.google.com/api/adwords/cm/v201309" xsi:type="ns74:Language">
          <ns74:id>1000</ns74:id>
        </criteria>
        <criteria xmlns:ns75="https://adwords.google.com/api/adwords/cm/v201309" xsi:type="ns75:Location">
          <ns75:id>20342</ns75:id>
        </criteria>
        <networkSetting>
          <ns76:targetGoogleSearch
xmlns:ns76="https://adwords.google.com/api/adwords/cm/v201309">>true</ns76:targetGoogleSearch>
          <ns77:targetSearchNetwork
xmlns:ns77="https://adwords.google.com/api/adwords/cm/v201309">>true</ns77:targetSearchNetwork>
        </networkSetting>
      </campaignEstimateRequests>
    </selector>
  </get>
</soapenv:Body>
</soapenv:Envelope>

```

18:37:07,528 INFO [soapXmlLogger] SOAP Response:

<?xml version="1.0" encoding="UTF-8"?>

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ResponseHeader xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309"
xmlns="https://adwords.google.com/api/adwords/o/v201309">
      <ns2:requestId>0004f46d24b828800ae5638a00000e35</ns2:requestId>
      <ns2:serviceName>AccountService</ns2:serviceName>
      <ns2:methodName>get</ns2:methodName>
      <ns2:operations>0</ns2:operations>
      <ns2:responseTime>376</ns2:responseTime>
    </ResponseHeader>
  </soap:Header>
  <soap:Body>
    <getResponse xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309"
xmlns="https://adwords.google.com/api/adwords/o/v201309">
      <rval>
        <campaignEstimates>
          <Estimate.Type>CampaignEstimate</Estimate.Type>
          <adGroupEstimates>
            <Estimate.Type>AdGroupEstimate</Estimate.Type>
            <keywordEstimates>
              <Estimate.Type>KeywordEstimate</Estimate.Type>
              <min>
                <averageCpc>
                  <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
                  <ns2:microAmount>148991</ns2:microAmount>
                </averageCpc>
                <averagePosition>1.111111405455043</averagePosition>
                <clicksPerDay>1.3203561</clicksPerDay>
                <impressionsPerDay>72.480125</impressionsPerDay>
                <clickThroughRate>0.01639512119223352</clickThroughRate>
                <totalCost>
                  <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
                  <ns2:microAmount>218580</ns2:microAmount>
                </totalCost>
              </min>
              <max>
                <averageCpc>
                  <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
                  <ns2:microAmount>182101</ns2:microAmount>
                </averageCpc>
                <averagePosition>1.0</averagePosition>
                <clicksPerDay>1.6137686</clicksPerDay>
                <impressionsPerDay>88.58683</impressionsPerDay>
                <clickThroughRate>0.02003848242233519</clickThroughRate>
                <totalCost>
                  <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
                  <ns2:microAmount>267154</ns2:microAmount>
                </totalCost>
              </max>
            </keywordEstimates>
          </adGroupEstimates>
        </campaignEstimates>
        ...
        <keywordEstimates>
          <Estimate.Type>KeywordEstimate</Estimate.Type>
          <min>
            <averageCpc>
              <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>

```

```

        <ns2:microAmount>0</ns2:microAmount>
    </averageCpc>
    <averagePosition>0.0</averagePosition>
    <clicksPerDay>0.0</clicksPerDay>
    <impressionsPerDay>0.0</impressionsPerDay>
    <clickThroughRate>0.0</clickThroughRate>
    <totalCost>
        <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
        <ns2:microAmount>0</ns2:microAmount>
    </totalCost>
</min>
<max>
    <averageCpc>
        <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
        <ns2:microAmount>0</ns2:microAmount>
    </averageCpc>
    <averagePosition>0.0</averagePosition>
    <clicksPerDay>0.0</clicksPerDay>
    <impressionsPerDay>0.0</impressionsPerDay>
    <clickThroughRate>0.0</clickThroughRate>
    <totalCost>
        <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
        <ns2:microAmount>0</ns2:microAmount>
    </totalCost>
</max>
</keywordEstimates>
</adGroupEstimates>
</campaignEstimates>
</rval>
</getResponse>
</soap:Body>
</soap:Envelope>

```

```

18:37:07,531 INFO [GoogleTrafficEstimator] Finish BES thread: 221
18:37:07,531 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: ab bench
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] Lower Clicks: 1.3203561
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] Lower CPC: 0.148991
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] Upper Clicks: 1.6137686
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] Upper CPC: 0.182101
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] Total Cost: 0.267154
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] *****
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] thisMax now: 0.267154
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] MaxPrice now: 0.267154
18:37:07,532 DEBUG [SearchEngineBudgetEstimateRetriever] *****

```

...

```

18:37:07,552 DEBUG [SearchEngineBudgetEstimateRetriever] Keyword: tips
18:37:07,552 DEBUG [SearchEngineBudgetEstimateRetriever] Lower Clicks: 0.0
18:37:07,552 DEBUG [SearchEngineBudgetEstimateRetriever] Lower CPC: 0.0
18:37:07,552 DEBUG [SearchEngineBudgetEstimateRetriever] Upper Clicks: 0.0
18:37:07,552 DEBUG [SearchEngineBudgetEstimateRetriever] Upper CPC: 0.0
18:37:07,552 DEBUG [SearchEngineBudgetEstimateRetriever] Total Cost: 0.0
18:37:07,553 DEBUG [SearchEngineBudgetEstimateRetriever] *****
18:37:07,553 DEBUG [SearchEngineBudgetEstimateRetriever] thisMax now: 0.0
18:37:07,553 DEBUG [SearchEngineBudgetEstimateRetriever] MaxPrice now: 7.7396865
18:37:07,553 DEBUG [SearchEngineBudgetEstimateRetriever] *****
18:37:07,553 DEBUG [SearchEngineBudgetEstimateRetriever] Raw estimate found for 93018-584

```

18:37:07,553 INFO [BudgetEstimateDAO] Requesting most recent demand map
18:37:07,553 INFO [BudgetEstimateDAO] Query: SELECT gbe.id, gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.minPrice, gbe.maxPrice, gbe.minClicks, gbe.maxClicks, gbe.time FROM googleBudgetEstimates gbe WHERE gbe.businessAreaID=? and gbe.googleLocationTargetID=? and gbe.currencyCode=? and gbe.languageCode=? and gbe.time>? ORDER BY gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.time DESC LIMIT 1
18:37:07,553 DEBUG [JdbcTemplate] Executing prepared SQL query
18:37:07,553 DEBUG [JdbcTemplate] Executing prepared SQL statement [SELECT gbe.id, gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.minPrice, gbe.maxPrice, gbe.minClicks, gbe.maxClicks, gbe.time FROM googleBudgetEstimates gbe WHERE gbe.businessAreaID=? and gbe.googleLocationTargetID=? and gbe.currencyCode=? and gbe.languageCode=? ORDER BY gbe.businessAreaID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.time DESC LIMIT 1]
18:37:07,556 ERROR [BudgetEstimateDAO] A budget estimate was found with min/max prices = 5.699223/7.7396865
18:37:07,557 INFO [BudgetEstimateDAO] Query: INSERT INTO googleBudgetEstimates (businessAreaID, googleLocationTargetID, currencyCode, languageCode, minPrice, maxPrice, minClicks, maxClicks, time) VALUES (?, ?, ?, ?, ?, ?, ?, ?)
18:37:07,557 DEBUG [JdbcTemplate] Executing prepared SQL update
18:37:07,557 DEBUG [JdbcTemplate] Executing prepared SQL statement [INSERT INTO googleBudgetEstimates (businessAreaID, googleLocationTargetID, currencyCode, languageCode, minPrice, maxPrice, minClicks, maxClicks, time) VALUES (?, ?, ?, ?, ?, ?, ?, ?)]
18:37:07,558 DEBUG [JdbcTemplate] SQL update affected 1 rows
18:37:07,559 DEBUG [JdbcTemplate] Executing SQL query [select last_insert_id()]
18:37:07,560 DEBUG [BudgetEstimateServiceImpl] Looking for target ID: 584
18:37:07,561 DEBUG [BudgetEstimateServiceImpl] Checking raw budget estimate for: 93018-0
18:37:07,561 DEBUG [BudgetEstimateServiceImpl] Finalizing budget estimate . . . minPrice = 5.699223
18:37:07,561 DEBUG [BudgetEstimateServiceImpl] maxPrice = 7.7396865
18:37:07,561 DEBUG [BudgetEstimateServiceImpl] Daily pricing . . . maxPrice = 7.7396865
18:37:07,561 DEBUG [BudgetEstimateServiceImpl] Budget estimate using multiplier (1.0) . . . maxPrice = 235.572
18:37:07,561 DEBUG [BudgetEstimateServiceImpl] Set origin to: SEARCHENGINE
18:37:07,561 INFO [BudgetEstimateServiceImpl] BES - Number of keywords in estimate request: 10
18:37:07,562 DEBUG [BudgetEstimateServiceImpl] Quota costs . . . 0.0
18:37:07,562 DEBUG [BudgetEstimateServiceImpl] Final budget estimate . . . minPrice = 5.894
18:37:07,562 DEBUG [BudgetEstimateServiceImpl] maxPrice = 235.572
18:37:07,562 DEBUG [BudgetEstimateServiceImpl] minClicks = 3.0
18:37:07,562 DEBUG [BudgetEstimateServiceImpl] maxClicks = 107.921
18:37:07,562 INFO [BudgetEstimateServiceImpl] Request time: 805 millis / Google API call time: 703 millis
18:37:07,572 INFO [LoggingInInterceptor] Outbound Message

ID: 21

Encoding: UTF-8

Content-Type: text/xml

Headers: {}

Payload: <soap:Envelope

```
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Body><ns2:getBudgetEstimatesResponse
xmlns:ns2="http://thesearchagency.com/smb/core/"><budgetEstimateResultList><result><resultCode>success</resultCode
></result><budgetEstimateCriteria><businessAreaID>93018</businessAreaID><businessLocationID>300004</businessL
ocationID><currencyCode>USD</currencyCode><languageCode>en</languageCode></budgetEstimateCriteria><budgetE
stimate><origin>search_engine</origin><lastUpdateTime>2014-03-
12T18:37:07.553Z</lastUpdateTime><minimumPrice>5.894</minimumPrice><maximumPrice>235.572</maximumPrice
><minimumClicks>3.0</minimumClicks><maximumClicks>107.921</maximumClicks></budgetEstimate></budgetEstim
ateResultList></ns2:getBudgetEstimatesResponse></soap:Body></soap:Envelope>
```

PART II

1. In `~/tsa_messaging_node1/server/properties-service.xml`, comment out `com.thesearchagency.smb.budgetestimate.searchengine.google.OAuthRefreshToken`

Make sure `com.thesearchagency.smb.budgetestimate.searchengine.google.Email` and `com.thesearchagency.smb.budgetestimate.searchengine.google.Password` are uncommented.

2. Restart JBoss and tomcat then send a SOAP packet to get a budget estimate (enabling the `preferSearchEngineOrigin` option will ensure that we go to Google for the estimate). You can also get a budget estimate with the UI.

Example SOAP packet:

endpoint: `http://aml-dev3-core1:8080/SMB-BES/BudgetEstimateService`

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ns2:getBudgetEstimatesRequest xmlns:ns2="http://thesearchagency.com/smb/core/">
      <budgetEstimateCriteriaList>
        <businessAreaID>0</businessAreaID>
        <businessLocationID>16479</businessLocationID>
        <keywordListID>138</keywordListID>
        <currencyCode>USD</currencyCode>
        <languageCode>en</languageCode>
        <preferSearchEngineOrigin>true</preferSearchEngineOrigin>
      </budgetEstimateCriteriaList>
    </ns2:getBudgetEstimatesRequest>
  </soap:Body>
</soap:Envelope>
```

3. Tail the JBoss log and look for the highlighted lines. Notice that the `GoogleSearchEngineAPI` class logs a warning that we are using client login. Usually Google (`ads_api_lib`) also prints a warning. Verify that the SOAP packet sent out by BES has an `authToken`.

```
20:59:41,742 DEBUG [JdbcTemplate] Executing SQL query [select * from callbackEvent]
20:59:42,812 INFO [LoggingInInterceptor] Inbound Message
```

```
-----
ID: 1
```

```
Address: /SMB-BES/BudgetEstimateService
```

```
Encoding: UTF-8
```

```
Content-Type: text/xml; charset=UTF-8
```

```
Headers: {cache-control=[no-cache], content-type=[text/xml; charset=UTF-8], connection=[keep-alive], host=[aml-svc-
```

```
campaign:8080], Content-Length=[453], x-newrelic-id=[UAIPV1dXGwEAVFNSDwU=],
```

```
SOAPAction=["http://thesearchagency.com/smb/core/getBudgetEstimates"], user-agent=[Apache CXF 2.7.5], Content-
```

```
Type=[text/xml; charset=UTF-8], Accept=[*/*], x-newrelic-
```

```
transaction=[PxQDBVZTDgIJUFdVD1RVAABTFB8EBw8RVT8=], pragma=[no-cache]}
```

```
Payload: <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
```

```
<soap:Body>
```

```
<ns2:getBudgetEstimatesRequest xmlns:ns2="http://thesearchagency.com/smb/core/">
```

```
<budgetEstimateCriteriaList>
```

```
<businessAreaID>0</businessAreaID>
```

```
<businessLocationID>16479</businessLocationID>
```

```
<keywordListID>138</keywordListID>
```

```
<currencyCode>USD</currencyCode>
```

```
<languageCode>en</languageCode>
```

```
<preferSearchEngineOrigin>true</preferSearchEngineOrigin>
</budgetEstimateCriteriaList>
</ns2:getBudgetEstimatesRequest>
</soap:Body>
</soap:Envelope>
```

20:59:45,309 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container
20:59:45,309 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container
20:59:45,681 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container
20:59:45,681 WARN [InterceptorsFactory] EJBTHREE-1246: Do not use InterceptorsFactory with a ManagedObjectAdvisor, InterceptorRegistry should be used via the bean container

...

20:59:47,426 DEBUG [JdbcTemplate] Executing prepared SQL query
20:59:47,426 DEBUG [JdbcTemplate] Executing prepared SQL statement [SELECT gbe.id, gbe.keywordListID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.minPrice, gbe.maxPrice, gbe.minClicks, gbe.maxClicks, gbe.time FROM googleBudgetEstimates gbe WHERE gbe.keywordListID=? and gbe.googleLocationTargetID=? and gbe.currencyCode=? and gbe.languageCode=? and gbe.time=? ORDER BY gbe.keywordListID, gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.time DESC LIMIT 1]
20:59:47,435 INFO [BudgetEstimateDAO] No cached budget estimates found

20:59:47,902 WARN [GoogleSearchEngineAPI] Using client login.

20:59:52,807 WARN [ads_api_lib] ClientLogin is now deprecated. Please switch to OAuth2. See OfflineCredentials for more information.

20:59:57,781 INFO [GoogleTrafficEstimator] Start BES thread: 241

21:00:01,735 INFO [requestInfoLogger] Request made: Service: "TrafficEstimatorServiceInterfacePort" Method: "get" URL: "https://adwords.google.com/api/adwords/o/v201309/TrafficEstimatorService"

21:00:01,795 INFO [soapXmlLogger] **SOAP Request:**

<?xml version="1.0" encoding="UTF-8"?>

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"

xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<soapenv:Header>

<ns1:RequestHeader xmlns:ns1="https://adwords.google.com/api/adwords/o/v201309" soapenv:mustUnderstand="0">

<ns2:authToken

xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309">DQAAAMAAAAAiNdLlx-
_L3FSTgTA8UImL6eEzGxw7J1el0rt2u9xe4Y51PlhyjeezaPr-ESaXxfPM3nsO6ak-V24uve0HjQG0eY3yOSQb8-
UABMM2bm_ImYEDpRW3IHwQktXNONbGkL8XuMmFpaM_kIH29y145Jf4SzeNLLr5orG2Lw3Udr0K-
qmQ5uHCYZfERHyloAGqFF57nMZMLgh7aXUnJZTSB1666KvB3-
vGBLxGvop9eYnDlaV6uCmHcboIMnFM2kQX5Dw</ns2:authToken>

<ns3:clientCustomerId

xmlns:ns3="https://adwords.google.com/api/adwords/cm/v201309">1372398838</ns3:clientCustomerId>

<ns4:developerToken

xmlns:ns4="https://adwords.google.com/api/adwords/cm/v201309">ojCnjZaM6RD1h0yt_DOJZg</ns4:developerToken>

<ns5:userAgent xmlns:ns5="https://adwords.google.com/api/adwords/cm/v201309">AdMax Local AdWords

Software (AwApi-Java, AdWords-Axis/1.25.0, Common-Java/1.25.0, Axis/1.4, Java/1.6.0_27, maven)</ns5:userAgent>

<ns6:validateOnly xmlns:ns6="https://adwords.google.com/api/adwords/cm/v201309">false</ns6:validateOnly>

<ns7:partialFailure xmlns:ns7="https://adwords.google.com/api/adwords/cm/v201309">false</ns7:partialFailure>

</ns1:RequestHeader>

</soapenv:Header>

<soapenv:Body>

<get xmlns="https://adwords.google.com/api/adwords/o/v201309">

<selector>

<campaignEstimateRequests>

<adGroupEstimateRequests>

<keywordEstimateRequests>


```
        <keyword>
          <ns8:text xmlns:ns8="https://adwords.google.com/api/adwords/cm/v201309">rent vacation
chalet</ns8:text>
        <ns9:matchType
xmlns:ns9="https://adwords.google.com/api/adwords/cm/v201309">BROAD</ns9:matchType>
        </keyword>
        <isNegative>>false</isNegative>
      </keywordEstimateRequests>
```

...

```
    <keywordEstimateRequests>
      <keyword>
        <ns138:text xmlns:ns138="https://adwords.google.com/api/adwords/cm/v201309">what
to</ns138:text>
        <ns139:matchType
xmlns:ns139="https://adwords.google.com/api/adwords/cm/v201309">PHRASE</ns139:matchType>
        </keyword>
        <isNegative>>true</isNegative>
      </keywordEstimateRequests>
      <maxCpc>
        <ns140:microAmount
xmlns:ns140="https://adwords.google.com/api/adwords/cm/v201309">1000000000</ns140:microAmount>
      </maxCpc>
    </adGroupEstimateRequests>
    <criteria xmlns:ns141="https://adwords.google.com/api/adwords/cm/v201309" xsi:type="ns141:Language">
      <ns141:id>1000</ns141:id>
    </criteria>
    <criteria xmlns:ns142="https://adwords.google.com/api/adwords/cm/v201309" xsi:type="ns142:Location">
      <ns142:id>21161</ns142:id>
    </criteria>
    <networkSetting>
      <ns143:targetGoogleSearch
xmlns:ns143="https://adwords.google.com/api/adwords/cm/v201309">>true</ns143:targetGoogleSearch>
      <ns144:targetSearchNetwork
xmlns:ns144="https://adwords.google.com/api/adwords/cm/v201309">>true</ns144:targetSearchNetwork>
    </networkSetting>
  </campaignEstimateRequests>
</selector>
</get>
</soapenv:Body>
</soapenv:Envelope>
```

21:00:01,815 INFO [soapXmlLogger] **SOAP Response:**

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ResponseHeader xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309"
xmlns="https://adwords.google.com/api/adwords/o/v201309">
      <ns2:requestId>0004f4d3b3de74e00ae50fca00005413</ns2:requestId>
      <ns2:serviceName>AccountService</ns2:serviceName>
      <ns2:methodName>get</ns2:methodName>
      <ns2:operations>0</ns2:operations>
      <ns2:responseTime>968</ns2:responseTime>
    </ResponseHeader>
  </soap:Header>
  <soap:Body>
    <getResponse xmlns:ns2="https://adwords.google.com/api/adwords/cm/v201309"
```

```
xmlns="https://adwords.google.com/api/adwords/o/v201309">
  < rval >
    < campaignEstimates >
      < Estimate.Type > CampaignEstimate < /Estimate.Type >
      < adGroupEstimates >
        < Estimate.Type > AdGroupEstimate < /Estimate.Type >
        < keywordEstimates >
          < Estimate.Type > KeywordEstimate < /Estimate.Type >
          < min >
            < averageCpc >
              < ns2:ComparableValue.Type > Money < /ns2:ComparableValue.Type >
              < ns2:microAmount > 0 < /ns2:microAmount >
            < /averageCpc >
            < averagePosition > 0.0 < /averagePosition >
            < clicksPerDay > 0.0 < /clicksPerDay >
            < impressionsPerDay > 0.0 < /impressionsPerDay >
            < clickThroughRate > 0.0 < /clickThroughRate >
            < totalCost >
              < ns2:ComparableValue.Type > Money < /ns2:ComparableValue.Type >
              < ns2:microAmount > 0 < /ns2:microAmount >
            < /totalCost >
          < /min >
          < max >
            < averageCpc >
              < ns2:ComparableValue.Type > Money < /ns2:ComparableValue.Type >
              < ns2:microAmount > 0 < /ns2:microAmount >
            < /averageCpc >
            < averagePosition > 0.0 < /averagePosition >
            < clicksPerDay > 0.0 < /clicksPerDay >
            < impressionsPerDay > 0.0 < /impressionsPerDay >
            < clickThroughRate > 0.0 < /clickThroughRate >
            < totalCost >
              < ns2:ComparableValue.Type > Money < /ns2:ComparableValue.Type >
              < ns2:microAmount > 0 < /ns2:microAmount >
            < /totalCost >
          < /max >
        < /keywordEstimates >

```

...

```
< keywordEstimates >
  < Estimate.Type > KeywordEstimate < /Estimate.Type >
  < min >
    < averageCpc >
      < ns2:ComparableValue.Type > Money < /ns2:ComparableValue.Type >
      < ns2:microAmount > 0 < /ns2:microAmount >
    < /averageCpc >
    < averagePosition > 0.0 < /averagePosition >
    < clicksPerDay > 0.0 < /clicksPerDay >
    < impressionsPerDay > 0.0 < /impressionsPerDay >
    < clickThroughRate > 0.0 < /clickThroughRate >
    < totalCost >
      < ns2:ComparableValue.Type > Money < /ns2:ComparableValue.Type >
      < ns2:microAmount > 0 < /ns2:microAmount >
    < /totalCost >
  < /min >
  < max >
    < averageCpc >

```

```

        <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
        <ns2:microAmount>0</ns2:microAmount>
    </averageCpc>
    <averagePosition>0.0</averagePosition>
    <clicksPerDay>0.0</clicksPerDay>
    <impressionsPerDay>0.0</impressionsPerDay>
    <clickThroughRate>0.0</clickThroughRate>
    <totalCost>
        <ns2:ComparableValue.Type>Money</ns2:ComparableValue.Type>
        <ns2:microAmount>0</ns2:microAmount>
    </totalCost>
</max>
</keywordEstimates>
</adGroupEstimates>
</campaignEstimates>
</rval>
</getResponse>
</soap:Body>
</soap:Envelope>

```

```

21:00:01,825 INFO [GoogleTrafficEstimator] Finish BES thread: 241
21:00:01,855 INFO [BudgetEstimateDAO] Requesting most recent demand map
21:00:01,856 INFO [BudgetEstimateDAO] Query: SELECT gbe.id, gbe.keywordListID, gbe.googleLocationTargetID,
gbe.currencyCode, gbe.languageCode, gbe.minPrice, gbe.maxPrice, gbe.minClicks, gbe.maxClicks, gbe.time FROM
googleBudgetEstimates gbe WHERE gbe.keywordListID=? and gbe.googleLocationTargetID=? and gbe.currencyCode=?
and gbe.languageCode=? and gbe.time=? ORDER BY gbe.keywordListID, gbe.googleLocationTargetID,
gbe.currencyCode, gbe.languageCode, gbe.time DESC LIMIT 1
21:00:01,856 DEBUG [JdbcTemplate] Executing prepared SQL query
21:00:01,856 DEBUG [JdbcTemplate] Executing prepared SQL statement [SELECT gbe.id, gbe.keywordListID,
gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.minPrice, gbe.maxPrice, gbe.minClicks,
gbe.maxClicks, gbe.time FROM googleBudgetEstimates gbe WHERE gbe.keywordListID=? and
gbe.googleLocationTargetID=? and gbe.currencyCode=? and gbe.languageCode=? ORDER BY gbe.keywordListID,
gbe.googleLocationTargetID, gbe.currencyCode, gbe.languageCode, gbe.time DESC LIMIT 1]
21:00:01,860 INFO [BudgetEstimateDAO] No cached budget estimates found
21:00:01,861 INFO [BudgetEstimateDAO] Query: INSERT INTO googleBudgetEstimates (keywordListID,
googleLocationTargetID, currencyCode, languageCode, minPrice, maxPrice, minClicks, maxClicks, time) VALUES
(?,?,?,?,?,?,?)
21:00:01,893 DEBUG [JdbcTemplate] Executing prepared SQL update
21:00:01,908 DEBUG [JdbcTemplate] Executing prepared SQL statement [INSERT INTO googleBudgetEstimates
(keywordListID, googleLocationTargetID, currencyCode, languageCode, minPrice, maxPrice, minClicks, maxClicks, time)
VALUES (?,?,?,?,?,?,?)]
21:00:01,921 DEBUG [JdbcTemplate] SQL update affected 1 rows
21:00:01,924 DEBUG [JdbcTemplate] Executing SQL query [select last_insert_id()]
21:00:01,971 INFO [BudgetEstimateServiceImpl] BES - Number of keywords in estimate request: 24
21:00:01,971 INFO [BudgetEstimateServiceImpl] Request time: 16581 millis / Google API call time: 8108 millis
21:00:03,313 INFO [LoggingInInterceptor] Outbound Message

```

ID: 1

Encoding: UTF-8

Content-Type: text/xml

Headers: {}

Payload: <soap:Envelope

```

xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"><soap:Body><ns2:getBudgetEstimatesResponse
xmlns:ns2="http://thesearchagency.com/smb/core/"><budgetEstimateResultList><result><resultCode>success</resultCode
></result><budgetEstimateCriteria><businessAreaID>0</businessAreaID><keywordListID>76</keywordListID><business
LocationID>8614</businessLocationID><currencyCode>USD</currencyCode><languageCode>en</languageCode></bu
dgetEstimateCriteria><budgetEstimate><origin>search_engine</origin><lastUpdateTime>2014-03-
17T21:00:01.849Z</lastUpdateTime><minimumPrice>3.61</minimumPrice><maximumPrice>4.902</maximumPrice><m

```

inimumClicks>0.541</minimumClicks><maximumClicks>0.662</maximumClicks></budgetEstimate></budgetEstimateR
esultList></ns2:getBudgetEstimatesResponse></soap:Body></soap:Envelope>

21:00:41,786 DEBUG [JdbcTemplate] Executing SQL query [select * from callbackEvent]