

OAuth Testing – SAPI GeoLocation 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.thesearchagency.com/index.php/OAuth_2.0_and_the_Google_APIs
- When using OAuth we do NOT get the following log message from Google:
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 GeoPoints (for location extensions) are retrieved with OAuth and that the requests are using cached OAuth access tokens.

Part II: Test backwards compatibility with client login by either (A) providing incomplete OAuth credentials or (B) removing them completely

PART I

1. Create the /usr/local/tsa/sapi/conf directory and create a file called sapi-service-overrides.properties inside it. Put the following inside the file:

OAuth credentials

```
tsa.google.oauth.clientid=YOUR_CLIENT_ID
tsa.google.oauth.clientsecret=YOUR_CLIENT_SECRET
tsa.google.oauth.refreshToken=YOUR_REFRESH_TOKEN
```

2. Restart tomcat

3. Get a GeoPoint by creating a quote with an address for the location extension and saving it. Tail the Tomcat log and look for the highlighted lines. Note that since this is the first request we get a brand new access token and in the SOAP request sent to Google there is no value for “authToken” in the header. Keep the access token to for reference later.

```
2014-03-18 19:39:32,071-48932 [http-8080-8] INFO org.apache.cxf.interceptor.LoggingInInterceptor [] - Inbound Message
```

```
-----
ID: 8
```

```
Address: http://127.0.0.1:8080/sapi/rest/geospatial/locations?
```

```
services=adwords&street=500+Carpinteria+Ave&city=Carpinteria&region=CA&postcode=93013&country=US
```

```
Http-Method: GET
```

```
Content-Type:
```

```
Headers: {Accept=[application/json, text/plain], connection=[Keep-Alive], Content-Type=[null], host=[127.0.0.1:8080],
```

```
user-agent=[Apache-HttpClient/4.2.1 (java 1.5)], x-newrelic-id=[UAIPV1dXGwEAVFNSDwU=], x-newrelic-
```

```
transaction=[PxQGVVZRDwVSB1QHD1RUXgVXFB8EBw8RVT8=], x-tsa-
```

```
authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFO
```

```
...
```

```
XWEBQ7AIBQT3GKTUCQXWAVJO4XVB36D4WHMQTGQHGXZDKZHZTHDRKEZVJGGOLIDLEFZM7TG===}}
```

```
-----
2014-03-18 19:39:32,152-49013 [http-8080-8] INFO com.thesearchagency.services.oauth.core.OAuthServiceComponent
[timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=73fe652a-cfe3-4158-b015-
```

a58947753618, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - **[oauth] Getting new access token**

2014-03-18 19:39:33,560-50421 [http-8080-8] INFO com.theseagency.services.oauth.core.OAuthServiceComponent [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=73fe652a-cfe3-4158-b015-a58947753618, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - **[oauth] Return OAuth credential. Access token = ya29.1.AADtN_UgMMzo0NKGP8gvr-v6o49CloNLEskRts7kOLVxbM49hEscPHzd8qOTkiroxA**

2014-03-18 19:39:33,579-50440 [http-8080-8] INFO org.apache.cxf.interceptor.LoggingInInterceptor [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=73fe652a-cfe3-4158-b015-a58947753618, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Inbound Message

ID: 9
Http-Method: GET
Content-Type: application/json
Headers: {Content-Type=[application/json], Accept=[application/json], Cache-Control=[no-cache, no-store, must-revalidate], Pragma=[no-cache], Expires=[0], X-TSA-Authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

VWMWMTH6QZCSIF4GE3WL7GVXMBO46UAJESY5X2GUFK6PDLQDSLTCU253NJCW67TA=], **OAuth-ACCESS-TOKEN=[ya29.1.AADtN_UgMMzo0NKGP8gvr-v6o49CloNLEskRts7kOLVxbM49hEscPHzd8qOTkiroxA]**;

2014-03-18 19:39:35,424-52285 [http-8080-8] INFO com.google.api.ads.adwords.lib.client.AdWordsServiceClient.requestInfoLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=73fe652a-cfe3-4158-b015-a58947753618, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

IVSAKAARFEKLKINCMV4CFM57ZCKEN6AO4J7OLXWEBQ7AIBQT3GKTUCQXWAVJO4XVB36D4WHMQTGQ HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Request made:

Service: "GeoLocationServiceInterfacePort" Method: "get" URL: "https://adwords.google.com/api/adwords/cm/v201309/GeoLocationService"

2014-03-18 19:39:35,462-52323 [http-8080-8] INFO com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=73fe652a-cfe3-4158-b015-a58947753618, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - 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/cm/v201309"
soapenv:mustUnderstand="0">
      <ns1:developerToken>ojCnjZaM6RD1h0yt_DOJZg</ns1:developerToken>
      <ns1:userAgent>AdMaxLocal AdWords Software TSA DEV (AwApi-Java, AdWords-Axis/1.25.0, Common-
Java/1.25.0, Axis/1.4, Java/1.6.0_24, maven)</ns1:userAgent>
      <ns1:validateOnly>>false</ns1:validateOnly>
      <ns1:partialFailure>>false</ns1:partialFailure>
    </ns1:RequestHeader>
  </soapenv:Header>
  <soapenv:Body>
    <get xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <selector>
        <addresses>
          <streetAddress>500 Carpinteria Ave</streetAddress>
          <cityName>Carpinteria</cityName>
          <provinceName>CA</provinceName>
          <countryCode>US</countryCode>
        </addresses>
      </selector>
    </get>
  </soapenv:Body>
</soapenv:Envelope>

```

2014-03-18 19:39:35,470-52331 [http-8080-8] INFO

com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-
e644-4ec1-b7e3-9aebc0b0e661, requestId=73fe652a-cfe3-4158-b015-a58947753618, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJBSBWFOU

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - SOAP Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ResponseHeader xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <requestId>0004f4e6b2228db80ae73a100000105e</requestId>
      <serviceName>GeoLocationService</serviceName>
      <methodName>get</methodName>
      <operations>0</operations>
      <responseTime>162</responseTime>
    </ResponseHeader>
  </soap:Header>
  <soap:Body>
    <getResponse xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <rval>
        <geoPoint>
          <latitudeInMicroDegrees>34393299</latitudeInMicroDegrees>
          <longitudeInMicroDegrees>-119511691</longitudeInMicroDegrees>
        </geoPoint>
        <address>
          <streetAddress>500 Carpinteria Ave</streetAddress>
          <cityName>Carpinteria</cityName>
          <provinceName>CA</provinceName>
          <countryCode>US</countryCode>
        </address>
      </rval>
    </getResponse>
  </soap:Body>
</soap:Envelope>

```

```
<encodedLocation>qrVM3QDB3iJsBD97UZ/5CfQUc0wEcmpKpLMQmhZuW7pIRxJJ5mFrSxEVCfFB+ylQALs8QJkCHj
ZVr0v5RbFff+XHzeMrUeaoPT5B9EziwDD/MNXPGXDLX+4Y7RhIMIUE1MOx8Q89Vc0U8zSXEGhxnDg/bQg6EIaG
qHYd9A0HMBYaJcy8HoTFVqr712Dtd6gS2ii/sMtLz12a2SsLq+3OLhzdhUQDU06HYk7tUiHOkhnCUCVVM4B66O5ZM
Ag7iv7zzFs/gi6IkuhGRSptBHP2pJRUE4yZZWc+928mD4LhlaYi6/hY2rppemLlnfWA4/uhzaAeb31Y7PhI1WMysyClrodA
fwyeHM1k6eZJKRaz0I5CQ+ccFwK27o09OQX5e9K+za4f2HkWfxafJXZbWZtwVdqw33RlumGC4/mZrWF6atRU8aWdE
1cLSedDIhF8/EBvq/40HAwKujKqZvTAwNhweaqAgt8HtgepnGTND1raAdfHXi6+1+dfO9uByLxZk59UmzvyX7k1tpIHxt
NQW7fIJamtnVDH21aqyMYFF0V0Q8I7lhRGdJ9Cmjrl0JTDuDGsACY3RTHWAF1E4X/Jw==</encodedLocation>
  <GeoLocation.Type>GeoLocation</GeoLocation.Type>
</rval>
</getResponse>
</soap:Body>
</soap:Envelope>
```

2014-03-18 19:39:35,520-52381 [http-8080-8] INFO org.apache.cxf.interceptor.LoggingOutInterceptor [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=73fe652a-cfe3-4158-b015-a58947753618, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

IQHQXZDKZH ZHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Outbound Message

```
-----
ID: 9
Response-Code: 200
Content-Type: application/json
Headers: {Content-Type=[application/json], Date=[Tue, 18 Mar 2014 19:39:35 GMT]}
Payload: [{"streetNumber":0,"street":"500 Carpinteria Ave", "street2":"","country":"US", "region":"CA", "subRegion":"","city":"Carpinteria", "postCode":"","gazetteer":"adwords", "shape":{"points":[{"latitude":34.393299,"longitude":-119.511691}]}}]
```

2014-03-18 19:39:35,557-52418 [http-8080-8] INFO org.apache.cxf.interceptor.LoggingOutInterceptor [] - Outbound Message

```
-----
ID: 8
Response-Code: 200
Content-Type: application/json;charset=UTF-8;type=tsa-query-response;version=2.4.0-SNAPSHOT
Headers: {Content-Type=[application/json;charset=UTF-8;type=tsa-query-response;version=2.4.0-SNAPSHOT], Date=[Tue, 18 Mar 2014 19:39:35 GMT], X-AML-API-ID=[73fe652a-cfe3-4158-b015-a58947753618], Expires=[-1], Cache-Control=[no-cache], Pragma=[no-cache]}
Payload: {"total":1,"count":1,"pages":0,"current":0,"results":[{"streetNumber":0,"street":"500 Carpinteria Ave", "street2":"","country":"US", "region":"CA", "subRegion":"","city":"Carpinteria", "postCode":"","gazetteer":"adwords", "shape":{"points":[{"latitude":34.393299,"longitude":-119.511691}]}}]}
```

4. Get another GeoPoint by opening the quote back up and entering a new address for the location extension. Save the quote.

5. Tail the Tomcat log and look for the highlighted lines. Notice this time the code did not get a brand 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

[oauth] Return OAuth credential. Access token = ya29.1.AADtN_UgMMzo0NKGPs_8gvr-v6o49CloNLEskRts7kOLVxbM49hEscPHzd8qOTkiroxA

Second request

[oauth] Return OAuth credential. Access token = ya29.1.AADtN_UgMMzo0NKGPs_8gvr-v6o49CloNLEskRts7kOLVxbM49hEscPHzd8qOTkiroxA

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

2014-03-18 19:44:46,164-363025 [http-8080-10] INFO org.apache.cxf.interceptor.LoggingInInterceptor [] - Inbound Message

ID: 36

Address: http://127.0.0.1:8080/sapi/rest/geospatial/locations?

services=adwords&street=700+Carpinteria+Ave&city=Carpinteria®ion=CA&postcode=93013&country=US

Http-Method: GET

Content-Type:

Headers: {Accept=[application/json, text/plain], connection=[Keep-Alive], Content-Type=[null], host=[127.0.0.1:8080],

user-agent=[Apache-HttpClient/4.2.1 (java 1.5)], x-newrelic-id=[UAIPV1dXGwEAVFNSDwU=], x-newrelic-

transaction=[PxQOAF9UXFJWBwRaAggGVgBVFB8EBw8RVT8=], x-tsa-

authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFO

UVOLRSXVYWQOQYAUC7QBYAYXHLHRU5PRU6TOULKCF7ZWR54TWDM6PUUYGCRKI2ARNU5PBVAQ5QS

...

QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===};

2014-03-18 19:44:46,245-363106 [http-8080-10] INFO com.theseagency.services.oauth.core.OAuthServiceComponent

[timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=35efc0ec-4069-4dcb-8783-

6f7ed5fe1d8c, locale=en_US,

authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

VOLRSXVYWQOQYAUC7QBYAYXHLHRU5PRU6TOULKCF7ZWR54TWDM6PUUYGCRKI2ARNU5PBVAQ5QSV

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - [oauth] Return

OAuth credential. Access token = ya29.1.AADtN_UgMMzo0NKGPs_8gvr-

v6o49CloNLEskRts7kOLVxbM49hEscPHzd8qOTkiroxA

2014-03-18 19:44:46,253-363114 [http-8080-10] INFO org.apache.cxf.interceptor.LoggingInInterceptor [timezone=UTC,

principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=35efc0ec-4069-4dcb-8783-6f7ed5fe1d8c, locale=en_US,

authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

GGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Inbound Message

ID: 37

Http-Method: GET
Content-Type: application/json
Headers: {Content-Type=[application/json], Accept=[application/json], Cache-Control=[no-cache, no-store, must-revalidate], Pragma=[no-cache], Expires=[0], X-TSA-Authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWF OUVOLRSXVYWQOQYAUC7QBYAYXHLHRU5PRU6TOULKCF7ZWR54TWDM6PUUYGCRKI2ARNU5PBVAQ5Q

...

MTH6QZCSIF4GE3WL7GVXMBO46UAJESY5X2GUFK6PDLQDSLTCU253NJCW67TA=], **OAUTH-ACCESS-TOKEN=[ya29.1.AADtN_UgMMzo0NKGPs_8gvr-v6o49CloNLEskRts7kOLVxbM49hEscPHzd8qOTkiroxA]}**

2014-03-18 19:44:46,613-363474 [http-8080-10] INFO
com.google.api.ads.adwords.lib.client.AdWordsServiceClient.requestInfoLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=35efc0ec-4069-4dcb-8783-6f7ed5fe1d8c, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWF OUVOLRSXVYWQOQYAUC7QBYAYXHLHRU5PRU6TOULKCF7ZWR54TWDM6PUUYGCRKI2ARNU5PBVAQ5QSV

...

QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Request made:
Service: "GeoLocationServiceInterfacePort" Method: "get" URL:
"https://adwords.google.com/api/adwords/cm/v201309/GeoLocationService"
2014-03-18 19:44:46,621-363482 [http-8080-10] INFO
com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=35efc0ec-4069-4dcb-8783-6f7ed5fe1d8c, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWF OUVOLRSXVYWQOQYAUC7QBYAYXHLHRU5PRU6TOULKCF7ZWR54TWDM6PUUYGCRKI2ARNU5PBVAQ5QSV

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - 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/cm/v201309"
soapenv:mustUnderstand="0">
      <ns1:developerToken>ojCnjZaM6RD1h0yt_DOJZg</ns1:developerToken>
      <ns1:userAgent>AdMaxLocal AdWords Software TSA DEV (AwApi-Java, AdWords-Axis/1.25.0, Common-
Java/1.25.0, Axis/1.4, Java/1.6.0_24, maven)</ns1:userAgent>
      <ns1:validateOnly>>false</ns1:validateOnly>
      <ns1:partialFailure>>false</ns1:partialFailure>
    </ns1:RequestHeader>
  </soapenv:Header>
  <soapenv:Body>
    <get xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <selector>
        <addresses>
          <streetAddress>700 Carpinteria Ave</streetAddress>
          <cityName>Carpinteria</cityName>
          <provinceName>CA</provinceName>
          <countryCode>US</countryCode>
        </addresses>
      </selector>
    </get>
  </soapenv:Body>
</soapenv:Envelope>
```

2014-03-18 19:44:46,622-363483 [http-8080-10] INFO
com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=35efc0ec-4069-4dcb-8783-6f7ed5fe1d8c, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG====, hostname=127.0.0.1, ipAddress=127.0.0.1] - SOAP Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ResponseHeader xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <requestId>0004f4e6c4b0dfc00ae7a94800003bd0</requestId>
      <serviceName>GeoLocationService</serviceName>
      <methodName>get</methodName>
      <operations>0</operations>
      <responseTime>159</responseTime>
    </ResponseHeader>
  </soap:Header>
  <soap:Body>
    <getResponse xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <rval>
        <geoPoint>
          <latitudeInMicroDegrees>34393299</latitudeInMicroDegrees>
          <longitudeInMicroDegrees>-119511691</longitudeInMicroDegrees>
        </geoPoint>
        <address>
          <streetAddress>700 Carpinteria Ave</streetAddress>
          <cityName>Carpinteria</cityName>
          <provinceName>CA</provinceName>
          <countryCode>US</countryCode>
        </address>
```

```
<encodedLocation>qrvM3QDB3iJs+zUBqkvq5Thq0n1QrtZp2QuhURmMw5SmCp2pWDke9pc2rk6wN+7afc5iLdi86WQ
4D6dOzZ8snA+MpoEVBsKWgspU1HW/jNXu6xQO9dyt8W/jg/bvhvIyQaMzE58/wQ831CSGop0vfZSolqULuMFe/xdNN
T98RXgBqOHO+VEwurzb36Gh9W7loc6FFyTIXIfW8ufcx+HP5Ao5qp7R5kKHjb+ymPF6jleec1cGgPPBjhSHOboqfhSM
JgGgLLPCL5atPg7nJJ/i8uCRT/0YKUnhhP/vqeC8ihYV9uywQBb8yBbbT8oc/GbhMahQ925UxMTowmnQsQARtxR2zc
+qM9XvyCVq7pGWrCJuCgE6wBT25+9RTajYq42wEKQ2FiO9JJaterLfZokESf2Hi9Srxah7y68SiWE4/4rUIaiUIVJ7m7tIZ
be9kkprZcSVel2U3O04OysPHc359xcjNbfIHZOBjBETt7blpHNtlJh7OnN6kDejtf/IZr5sTXcyoNJ3V/Gsal+y8XdfKuL7Yf
A/otFdaDF/6OiJy/Kzz/n48seH4CnrBiArg1cy5aMVu3ur7y1qjvw==</encodedLocation>
```

```
<GeoLocation.Type>GeoLocation</GeoLocation.Type>
</rval>
</getResponse>
</soap:Body>
</soap:Envelope>
```

2014-03-18 19:44:46,625-363486 [http-8080-10] INFO org.apache.cxf.interceptor.LoggingOutInterceptor [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=35efc0ec-4069-4dcb-8783-6f7ed5fe1d8c, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG====, hostname=127.0.0.1, ipAddress=127.0.0.1] - Outbound Message

```
-----
ID: 37
Response-Code: 200
Content-Type: application/json
Headers: {Content-Type=[application/json], Date=[Tue, 18 Mar 2014 19:44:46 GMT]}
```

Payload: [{"streetNumber":0,"street":"700 Carpinteria Ave","street2":"","country":"US","region":"CA","subRegion":"","city":"Carpinteria","postCode":"","gazetteer":"adwords","shape":{"points":[{"latitude":34.393299,"longitude":-119.511691}]}}]

2014-03-18 19:44:46,629-363490 [http-8080-10] INFO org.apache.cxf.interceptor.LoggingOutInterceptor [] - Outbound Message

ID: 36

Response-Code: 200

Content-Type: application/json;charset=UTF-8;type=tsa-query-response;version=2.4.0-SNAPSHOT

Headers: {Content-Type=[application/json;charset=UTF-8;type=tsa-query-response;version=2.4.0-SNAPSHOT],

Date=[Tue, 18 Mar 2014 19:44:46 GMT], X-AML-API-ID=[35efc0ec-4069-4dcb-8783-6f7ed5fe1d8c], Expires=[-1],

Cache-Control=[no-cache], Pragma=[no-cache]}

Payload: {"total":1,"count":1,"pages":0,"current":0,"results":[{"streetNumber":0,"street":"700 Carpinteria Ave","street2":"","country":"US","region":"CA","subRegion":"","city":"Carpinteria","postCode":"","gazetteer":"adwords","shape":{"points":[{"latitude":34.393299,"longitude":-119.511691}]}}]}

2014-03-18 19:44:47,102-363963 [http-8080-9] INFO org.apache.cxf.interceptor.LoggingInInterceptor [] - Inbound Message

PART II

1. Comment out all or just one of the OAuth credentials in `/usr/local/tsa/sapi/conf/sapi-service-overrides.properties`
2. Restart Tomcat (you may need to delete Tomcat's `temp`, `work`, and `/webapp/sapi` directories if a plain restart does not work).
3. Get another GeoPoint by opening the quote back up and entering a new address for the location extension. Save the quote.
4. Tail the Tomcat log and look for the highlighted lines. Notice that we print an indication that client login is being used (“Using client login for the AdWords API). Usually Google will also print a warning (“ClientLogin is now deprecated. Please switch to OAuth2...”). Verify that the SOAP packet sent out to Google has an `authToken`.

SAMPLE LOG OUTPUT FOR COMMENTING OUT ONE OAUTH PROPERTY IN `sapi-service-overrides.properties`:

```
2014-03-18 19:49:16,985-70593 [http-8080-5] INFO org.apache.cxf.interceptor.LoggingInInterceptor [] - Inbound Message
```

```
-----  
ID: 41
```

```
Address: http://127.0.0.1:8080/sapi/rest/geospatial/locations?
```

```
services=adwords&street=300+Carpinteria+Ave&city=Carpinteria&region=CA&postcode=93013&country=US
```

```
Http-Method: GET
```

```
Content-Type:
```

```
Headers: {Accept=[application/json, text/plain], connection=[Keep-Alive], Content-Type=[null], host=[127.0.0.1:8080],
```

```
user-agent=[Apache-HttpClient/4.2.1 (java 1.5)], x-newrelic-id=[UAIPV1dXGwEAVFNSDwU=], x-newrelic-
```

```
transaction=[PxQBAwVXWVZVVAVSAgBTvIVVFB8EBw8RVT8=], x-tsa-
```

```
authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFO
```

```
...
```

```
HQXZDKZH ZHDRKEZVJGGOLIDLEFZM7TG===}]
```

```
-----  
2014-03-18 19:49:17,070-70678 [http-8080-5] INFO org.apache.cxf.interceptor.LoggingInInterceptor [timezone=UTC,  
principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=0c2d8818-928c-4d0e-913c-175a739f11c2, locale=en_US,  
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU
```

```
...
```

```
QXZDKZH ZHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Inbound Message
```

```
-----  
ID: 42
```

```
Http-Method: GET
```

```
Content-Type: application/json
```

```
Headers: {Content-Type=[application/json], Accept=[application/json], Cache-Control=[no-cache, no-store, must-  
revalidate], Pragma=[no-cache], Expires=[0], X-TSA-
```

```
Authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWF
```

```
...
```

```
MTH6QZCSIF4GE3WL7GVXMBO46UAJESY5X2GUFK6PDLQDSLTCU253NJCW67TA=}]
```

```
-----  
2014-03-18 19:49:17,092-70700 [http-8080-5] WARN
```

```
com.theseagency.services.geolocation.core.gazetteer.AdWordsGazetteer [timezone=UTC, principalId=b4e871fc-e644-  
4ec1-b7e3-9aebc0b0e661, requestId=0c2d8818-928c-4d0e-913c-175a739f11c2, locale=en_US,
```

```
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU
```

...

VSAKAARFEKLNKINCMV4CFM57ZCKEN6A04J7OLXWEBQ7AIBQT3GKTUCQXWAVJO4XVB36D4WHMQTGQH QXZDKZH ZH ZH DRKEZVJGGOLIDLEFZM7TG====, hostname=127.0.0.1, ipAddress=127.0.0.1] - **Using client login for the AdWords API**

2014-03-18 19:49:18,114-71722 [http-8080-5] WARN

com.google.api.ads.common.lib.utils.logging.AdsServiceLoggers.ads_api_lib [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=0c2d8818-928c-4d0e-913c-175a739f11c2, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

QXZDKZH ZH ZH DRKEZVJGGOLIDLEFZM7TG====, hostname=127.0.0.1, ipAddress=127.0.0.1] - **ClientLogin is now deprecated. Please switch to OAuth2. See OfflineCredentials for more information.**

2014-03-18 19:49:20,074-73682 [http-8080-5] INFO

com.google.api.ads.adwords.lib.client.AdWordsServiceClient.requestInfoLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=0c2d8818-928c-4d0e-913c-175a739f11c2, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

QXZDKZH ZH ZH DRKEZVJGGOLIDLEFZM7TG====, hostname=127.0.0.1, ipAddress=127.0.0.1] - Request made:

Service: "GeoLocationServiceInterfacePort" Method: "get" URL:

"https://adwords.google.com/api/adwords/cm/v201309/GeoLocationService"

2014-03-18 19:49:20,109-73717 [http-8080-5] INFO

com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=0c2d8818-928c-4d0e-913c-175a739f11c2, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

QXZDKZH ZH ZH DRKEZVJGGOLIDLEFZM7TG====, hostname=127.0.0.1, ipAddress=127.0.0.1] - 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/cm/v201309"

soapenv:mustUnderstand="0">

<ns1:authToken>DQAAAMAAAABD729Ngn0BAvLWHpbxQQqvG8ihgATeloWf9qNBihgqFC-

X1hcixPc5RrWhfgI4NKhyUsGSDr_KX3SY1PSaXWOMpYboKaz4apkZy2-

hpRJqdXjFuhzeWUu7HSyB8MeKV551glnkNmTiUaxt3vQ-

dsMvOtBXjHxnnLZkRwf7h9mIoCcO8MAzrcYSyZY6siB9m0ocU3ncW6THthzR4Mr4saNfxH02UyvXPtOdA9yDt2

9mwOMPc3tMCMBmA9mLA9u9Zn0</ns1:authToken>

<ns1:developerToken>ojCnjZaM6RD1h0yt_DOJZg</ns1:developerToken>

<ns1:userAgent>AdMaxLocal AdWords Software TSA DEV (AwApi-Java, AdWords-Axis/1.25.0, Common-

Java/1.25.0, Axis/1.4, Java/1.6.0_24, maven)</ns1:userAgent>

<ns1:validateOnly>>false</ns1:validateOnly>

<ns1:partialFailure>>false</ns1:partialFailure>

</ns1:RequestHeader>

</soapenv:Header>

<soapenv:Body>

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

<selector>

<addresses>

<streetAddress>300 Carpinteria Ave</streetAddress>

<cityName>Carpinteria</cityName>

<provinceName>CA</provinceName>

```
<countryCode>US</countryCode>
</addresses>
</selector>
</get>
</soapenv:Body>
</soapenv:Envelope>
```

2014-03-18 19:49:20,113-73721 [http-8080-5] INFO

com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=0c2d8818-928c-4d0e-913c-175a739f11c2, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

QXZDKZH ZH ZH DRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - SOAP Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ResponseHeader xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <requestId>0004f4e6d4f7fd000ae7f208000004ba</requestId>
      <serviceName>GeoLocationService</serviceName>
      <methodName>get</methodName>
      <operations>0</operations>
      <responseTime>398</responseTime>
    </ResponseHeader>
  </soap:Header>
  <soap:Body>
    <getResponse xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <rval>
        <geoPoint>
          <latitudeInMicroDegrees>34393299</latitudeInMicroDegrees>
          <longitudeInMicroDegrees>-119511691</longitudeInMicroDegrees>
        </geoPoint>
        <address>
          <streetAddress>300 Carpinteria Ave</streetAddress>
          <cityName>Carpinteria</cityName>
          <provinceName>CA</provinceName>
          <countryCode>US</countryCode>
        </address>
```

```
<encodedLocation>qrvM3QDB3iJsG9e1TS4nMI+mWwfsUUh5jmYnl6VtkwePqEU5gN6WtWEzlgGMTQXo0gnP/EyAT
X9zppu5OS66Lvnhgpf784W4oWxddDIDAPb/uSx8BaLq2IKxZlc/pPGEXE/JKfSWFH6fcH4K50X3o71ZRLTrIrS1LdSvR
XpMDyLp9j/Myyrxol4qoUn+ugJZQC+pzne5HU00vdaELBJqkb+Io2WzN179jQppqK5xF5JXDxfjV8Vul6tDHdmwJU1Pn
poAYZT+43TpLCtdnEnUt+xlW6/Ig2QvRNQJC+QTtQAoCFTGFAem1fzPssR3reC5vOcgk7dV5G926lC3WP9F2CHhQV
aN5XjsUZzqZkG1YnC2zwBummzsqJdbRqye6RIKtGk4HUhvrxGu4TsUsxywAEpxiMP6YoFR4ZopTgwY9vv/
+s5Snc3eth72XJPlk90p2TU2Vg1lG7yYyKr2u7cfq1RTHuXM3sf5MrJvuAxxgq1lq0Ovd+/P51HsjBj/ndmCgEvDQk0ptG
mAeRDKGQ0g8yXL1hBwNeyLBwVK8jptB1icp/rgP8NrtrYy7upyx6UEMPjAvzSu1XzSEHv7w==</encodedLocation>
```

```
<GeoLocation.Type>GeoLocation</GeoLocation.Type>
</rval>
</getResponse>
</soap:Body>
</soap:Envelope>
```

2014-03-18 19:49:20,147-73755 [http-8080-5] INFO

org.apache.cxf.interceptor.LoggingOutInterceptor [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=0c2d8818-928c-4d0e-913c-175a739f11c2, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...

QXZDKZHZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Outbound Message

ID: 42

Response-Code: 200

Content-Type: application/json

Headers: {Content-Type=[application/json], Date=[Tue, 18 Mar 2014 19:49:20 GMT]}

Payload: [{"streetNumber":0,"street":"300 Carpinteria

Ave","street2":"","country":"US","region":"CA","subRegion":"","city":"Carpinteria","postCode":"","gazetteer":"adwords","
shape":{"points":[{"latitude":34.393299,"longitude":-119.511691}]}}]

2014-03-18 19:49:20,167-73775 [http-8080-5] INFO org.apache.cxf.interceptor.LoggingOutInterceptor [] - Outbound
Message

SAMPLE LOG FOR COMMENTING OUT ALL OF THE OAUTH PROPERTIES IN *sapi-service-overrides.properties*:

2014-03-18 20:26:30,028-2113317 [http-8080-24] INFO org.apache.cxf.interceptor.LoggingInInterceptor [] - Inbound Message

ID: 228
Address: http://127.0.0.1:8080/sapi/rest/geospatial/locations?
services=adwords&street=1000+Carpinteria+Ave&city=Carpinteria®ion=CA&postcode=93013&country=US
Http-Method: GET
Content-Type:
Headers: {Accept=[application/json, text/plain], connection=[Keep-Alive], Content-Type=[null], host=[127.0.0.1:8080],
user-agent=[Apache-HttpClient/4.2.1 (java 1.5)], x-newrelic-id=[UAIPV1dXGwEAVFNSDwU=], x-newrelic-
transaction=[PxQCUINaDAFTUIFbBFQBB1wEFB8EBw8RVT8=], x-tsa-
authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFO

...
QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===};

2014-03-18 20:26:30,136-2113425 [http-8080-24] INFO org.apache.cxf.interceptor.LoggingInInterceptor [timezone=UTC,
principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=abee6a27-1c4b-4216-9bfc-7c24effe5459, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...
XZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Inbound Message

ID: 229
Http-Method: GET
Content-Type: application/json
Headers: {Content-Type=[application/json], Accept=[application/json], Cache-Control=[no-cache, no-store, must-
revalidate], Pragma=[no-cache], Expires=[0], X-TSA-
Authenticate=[LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWF

...
MTH6QZCSIF4GE3WL7GVXMBO46UAJESY5X2GUFK6PDLQDSLTCU253NJCW67TA=};

2014-03-18 20:26:30,148-2113437 [http-8080-24] WARN
com.theseearchagency.services.geolocation.core.gazetteer.AdWordsGazetteer [timezone=UTC, principalId=b4e871fc-e644-
4ec1-b7e3-9aebc0b0e661, requestId=abee6a27-1c4b-4216-9bfc-7c24effe5459, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...
QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - **Using client login for the AdWords API**

2014-03-18 20:26:31,146-2114435 [http-8080-24] WARN
com.google.api.ads.common.lib.utils.logging.AdsServiceLoggers.ads_api_lib [timezone=UTC, principalId=b4e871fc-e644-
4ec1-b7e3-9aebc0b0e661, requestId=abee6a27-1c4b-4216-9bfc-7c24effe5459, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGZZ2JCW4R7LBF6DYX6VWJSBWFOU

...
QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - **ClientLogin is now deprecated. Please switch to OAuth2. See OfflineCredentials for more information.**

2014-03-18 20:26:32,688-2115977 [http-8080-24] INFO

com.google.api.ads.adwords.lib.client.AdWordsServiceClient.requestInfoLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=abee6a27-1c4b-4216-9bfc-7c24effe5459, locale=en_US, authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYYX6VWJSBWFOU

...

QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - Request made:

Service: "GeoLocationServiceInterfacePort" Method: "get" URL:

"https://adwords.google.com/api/adwords/cm/v201309/GeoLocationService"

2014-03-18 20:26:32,706-2115995 [http-8080-24] INFO

com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=abee6a27-1c4b-4216-9bfc-7c24effe5459, locale=en_US,

authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYYX6VWJSBWFOU

...

HQXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - 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/cm/v201309"

soapenv:mustUnderstand="0">

<ns1:authToken>DQAAAL8AAAA_RaVfyGRpqqdYB6YU-

ho38uoyHjDIbcoCW8nOz748__2JZR0DIyWtXQDxNYjUqpEmGBdIdFljuXd_msOIVZAc_LO6GSoRO0HSI7jWnt

kblg0QoDhPc73jpn00s0amkm7PleZ2eS0YA1uqlLeMp7uKDM_21DylcYmNGlOm9aX7Vf7y67-ykRZmpok-i0J-

_slvO7pWOEXvmCBRW9eYeI8It6MGVmNNY5D1W_INr0VKsUpgMUuMxEmjgPr-GQ2YE-

OQ</ns1:authToken>

<ns1:developerToken>ojCnjZaM6RD1h0yt_DOJZg</ns1:developerToken>

<ns1:userAgent>AdMaxLocal AdWords Software TSA DEV (AwApi-Java, AdWords-Axis/1.25.0, Common-Java/1.25.0, Axis/1.4, Java/1.6.0_24, maven)</ns1:userAgent>

<ns1:validateOnly>>false</ns1:validateOnly>

<ns1:partialFailure>>false</ns1:partialFailure>

</ns1:RequestHeader>

</soapenv:Header>

<soapenv:Body>

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

<selector>

<addresses>

<streetAddress>1000 Carpinteria Ave</streetAddress>

<cityName>Carpinteria</cityName>

<provinceName>CA</provinceName>

<countryCode>US</countryCode>

</addresses>

</selector>

</get>

</soapenv:Body>

</soapenv:Envelope>

2014-03-18 20:26:32,708-2115997 [http-8080-24] INFO

com.google.api.ads.adwords.lib.client.AdWordsServiceClient.soapXmlLogger [timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=abee6a27-1c4b-4216-9bfc-7c24effe5459, locale=en_US,

authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYYX6VWJSBWFOU

...

QXZDKZH ZTHDRKEZVJGGOLIDLEFZM7TG===, hostname=127.0.0.1, ipAddress=127.0.0.1] - SOAP Response:

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

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <ResponseHeader xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <requestId>0004f4e75a0f75e00ae74d4800007944</requestId>
      <serviceName>GeoLocationService</serviceName>
      <methodName>get</methodName>
      <operations>0</operations>
      <responseTime>148</responseTime>
    </ResponseHeader>
  </soap:Header>
  <soap:Body>
    <getResponse xmlns="https://adwords.google.com/api/adwords/cm/v201309">
      <rval>
        <geoPoint>
          <latitudeInMicroDegrees>34393299</latitudeInMicroDegrees>
          <longitudeInMicroDegrees>-119511691</longitudeInMicroDegrees>
        </geoPoint>
        <address>
          <streetAddress>1000 Carpinteria Ave</streetAddress>
          <cityName>Carpinteria</cityName>
          <provinceName>CA</provinceName>
          <countryCode>US</countryCode>
        </address>
      </rval>
      <GeoLocation.Type>GeoLocation</GeoLocation.Type>
    </getResponse>
  </soap:Body>
</soap:Envelope>

```

```

2014-03-18 20:26:32,726-2116015 [http-8080-24] INFO org.apache.cxf.interceptor.LoggingOutInterceptor
[timezone=UTC, principalId=b4e871fc-e644-4ec1-b7e3-9aebc0b0e661, requestId=abee6a27-1c4b-4216-9bfc-
7c24effe5459, locale=en_US,
authToken=LK3CYKUPKK2RWYWTHTC3TDF34TTTSTKN4G3IOQWQ6XKGGZZ2JCW4R7LBF6DYYX6VWVJSBWFOU

```

...

```

QXZDKZH ZH ZH DRKEZV JGGOLIDLEFZM7TG====, hostname=127.0.0.1, ipAddress=127.0.0.1] - Outbound Message

```

```

-----
ID: 229
Response-Code: 200
Content-Type: application/json
Headers: {Content-Type=[application/json], Date=[Tue, 18 Mar 2014 20:26:32 GMT]}
Payload: [{"streetNumber":0,"street":"1000 Carpinteria
Ave","street2":"","country":"US","region":"CA","subRegion":"","city":"Carpinteria","postCode":"","gazetteer":"adwords",
shape":{"points":[{"latitude":34.393299,"longitude":-119.511691}]}]}]
-----

```

```

2014-03-18 20:26:32,743-2116032 [http-8080-24] INFO org.apache.cxf.interceptor.LoggingOutInterceptor [] - Outbound
Message

```

```

-----

```

ID: 228

Response-Code: 200

Content-Type: application/json;charset=UTF-8;type=tsa-query-response;version=2.4.0-SNAPSHOT

Headers: {Content-Type=[application/json;charset=UTF-8;type=tsa-query-response;version=2.4.0-SNAPSHOT],

Date=[Tue, 18 Mar 2014 20:26:32 GMT], X-AML-API-ID=[abee6a27-1c4b-4216-9bfc-7c24effe5459], Expires=[-1],

Cache-Control=[no-cache], Pragma=[no-cache]}

Payload: {"total":1,"count":1,"pages":0,"current":0,"results":[{"streetNumber":0,"street":"1000 Carpinteria Ave","street2":"","country":"US","region":"CA","subRegion":"","city":"Carpinteria","postCode":"","gazetteer":"adwords","shape":{"points":[{"latitude":34.393299,"longitude":-119.511691}]}}]}