

Google Checkout Integration

Get Code

Download the most recent patch titled googleCheckout.patch from [OFBIZ-71](#)

Apply the patch to your development deployment. This will create several folders and files under hot-deploy/googleCheckout

SSL

Since we will be consuming services from Google over secure socket layer (SSL) we will need to add two certificates from google to our trusted key store, otherwise our call to Google will fail with the following error:

```
javax.net.ssl.SSLHandshakeException: sun.security.validator.ValidatorException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target
```

Obtain and Compile InstallCert.java

[Andreas Sterbenz](#) created a small program that will obtain the ssl certificate from a website and place it into keystore in the current directory. There is probably an easier way of doing this. This is just the first answer I came across that worked.

- Download the program from [Andreas's Blog](#).
- Compile

```
% javac InstallCert.java
```

Obtain SSL Certificates

- Obtain the SSL certificate for sandbox.google.com

```
% java InstallCert sandbox.google.com
```

- Obtain the SSL certificate for checkout.google.com

```
% java InstallCert checkout.google.com
```

Export Certificates to file

- [Export](#) the certificate for sandbox.google.com from the keystore created by InstallCert

```
% keytool -export -file sandbox.cer -alias sandbox.google.com-1 -keystore jssecacerts -storepass changeit
```

- Export the certificate for checkout.google.com from the keystore created by InstallCert

```
% keytool -export -file checkout.cer -alias checkout.google.com-1 -keystore jssecacerts -storepass changeit
```

- Copy both certificates to framework/base/config/

```
% copy *.cer %OFBIZ_HOME%/framework/base/config
```

- Change into the correct directory

```
% cd %OFBIZ_HOME%/framework/base/config
```

Import Certificates into OFBiz Trust Store

- [Import](#) the certificate for `sandbox.google.com` into `ofbiztrust.jks`

```
% keytool -import -alias sandbox.google.com-1 -file sandbox.cer -keystore ofbiztrust.jks -storepass changeit -storetype jks -keystore ofbiztrust.jks -storepass changeit
```

- Import the certificate for `checkout.google.com` into `ofbiztrust.jks`

```
% keytool -import -alias sandbox.google.com-1 -file sandbox.cer -keystore ofbiztrust.jks -storepass changeit -storetype jks -keystore ofbiztrust.jks -storepass changeit
```

Configure

Configurations are done in `hot-deploy/googlecheckout/config/googleCheckout.properties`

##your merchantId - sandbox will be different than live

- merchantId - obtain from `checkout.google.com/sell`
- merchantKey - obtain from `checkout.google.com/sell`
- editCartUrl - OOTB, should be <http://yourDomainName/ecommerce/control/viewcart>
- continueShoppingUrl - should be <http://yourDomainName/ecommerce>
- xmlTemplateUri - default should work, if you want to change the screen, this makes it easier
- requestPhone - true/false do you want to make a phone number mandatory in order to place an order
- ##Production URL
- #basePostUrl = <https://checkout.google.com/cws/v2/Merchant/>
- this has changed since the last patch
- ##Sandbox URL
- basePostUrl = <https://sandbox.google.com/checkout/cws/v2/Merchant/>
- checkout - currently not implemented
- request - should not be changed
- diagnose = currently not implemented

Use

- After updating the properties file, restart OFBiz
- in your ecommerce application, create a request-uri; for example:

```
<request-map uri="google">
  <security auth="false" https="false"/>
  <event type="service" invoke="transmitRequest"/>
  <response type="view" name="success" value="google"/>
</request-map>
```

- create a view-map that points to the redirect screen in the google component:

```
<view-map name="google" type="screen" page="component://googlecheckout/widget/GoogleCheckoutScreens.xml#redirect"/>
```

- place an link with the google checkout button that points to your google uri next to where ever you have a checkout link

```
<a href="<@ofbizUrl>google</@ofbizUrl>"></a>
```