Steps to replicate error:

1. Entered the Department of Transportation(DTOP) website, entered my credentials and clicked on the button that says "Entrar"

2. Then an error is displayed along with the information on where the error occurred (this is not supposed to be seen by the public). The line that I highlighted has a link to a website (http://hws.hacienda.gobierno.pr/cvservice/cvservices.asmx). I also included a maximized picture so that the link can be seen more clearly.

:: DTOP :: | :: DTOP :: | :: DTOP :: | Apache Tomcat/7.0.25 ... | CVServices Web Service | Inbox (314) - rivera... | +

davidplus.dtop.gov.pr/doLogin   C Q Search

org.springframework.security.util.FilterChainProxy.doFilter(FilterChainProxy.java:174)
org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate(DelegatingFilterProxy.java:183)
org.springframework.web.filter.DelegatingFilterProxy.doFilter(DelegatingFilterProxy.java:138)

root cause

java.net.SocketTimeoutException: SocketTimeoutException invoking https://hws.hacienda.gobierno.pr/cvservice/cvservices.asmx: connect timed out
    sun.reflect.GeneratedConstructorAccessor1743.newInstance(Unknown Source)
    sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45)
    java.lang.reflect.Constructor.newInstance(Constructor.java:408)
    org.apache.cxf.transport.http.HTTPConduit$WrappedOutputStream.mapException(HTTPConduit.java:2058)
    org.apache.cxf.transport.http.HTTPConduit$WrappedOutputStream.close(HTTPConduit.java:2043)
    org.apache.cxf.transport.AbstractConduit.close(AbstractConduit.java:66)
    org.apache.cxf.transport.http.HTTPConduit.close(HTTPConduit.java:639)
    org.apache.cxf.interceptor.MessageSenderInterceptor$MessageSenderEndingInterceptor.handleMessage(MessageSenderInterceptor.java:62)
    org.apache.cxf.phase.PhaseInterceptorChain.doIntercept(PhaseInterceptorChain.java:243)
    org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:484)
    org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:310)
    org.apache.cxf.endpoint.ClientImpl.invoke(ClientImpl.java:262)
    org.apache.cxf.frontend.ClientProxy.invokeSync(ClientProxy.java:73)
    org.apache.cxf.jaxws.JaxWsClientProxy.invoke(JaxWsClientProxy.java:124)
    com.sun.proxy.$Proxy171.login(Unknown Source)
    dtop.publicweb.web.gateway.ws.ColecturiaVirtualGatewayInterface.login2Gateway(ColecturiaVirtualGatewayInterface.java:243)
    dtop.publicweb.web.gateway.ws.ColecturiaVirtualGatewayInterface.buildAuthHeader(ColecturiaVirtualGatewayInterface.java:272)
    dtop.publicweb.web.gateway.ws.ColecturiaVirtualGatewayInterface.createAccount(ColecturiaVirtualGatewayInterface.java:58)
    dtop.publicweb.web.LoginListener.onApplicationEvent(LoginListener.java:64)
    org.springframework.context.event.SimpleApplicationEventMulticaster$1.run(SimpleApplicationEventMulticaster.java:77)
    org.springframework.core.task.SyncTaskExecutor.execute(SyncTaskExecutor.java:49)
    org.springframework.context.event.SimpleApplicationEventMulticaster.multicastEvent(SimpleApplicationEventMulticaster.java:75)
    org.springframework.context.support.AbstractApplicationContext.publishEvent(AbstractApplicationContext.java:246)
    org.springframework.security.ui.AbstractProcessingFilter.successfulAuthentication(AbstractProcessingFilter.java:376)
    org.springframework.security.ui.AbstractProcessingFilter.doFilterHttp(AbstractProcessingFilter.java:266)
    org.springframework.security.ui.SpringSecurityFilter.doFilter(SpringSecurityFilter.java:53)
    org.springframework.security.util.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:371)
    org.springframework.security.ui.logout.LogoutFilter.doFilterHttp(LogoutFilter.java:89)
    org.springframework.security.ui.SpringSecurityFilter.doFilter(SpringSecurityFilter.java:53)
    org.springframework.security.util.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:371)
    org.springframework.security.context.HttpSessionContextIntegrationFilter.doFilterHttp(HttpSessionContextIntegrationFilter.java:235)
    org.springframework.security.ui.SpringSecurityFilter.doFilter(SpringSecurityFilter.java:53)
    org.springframework.security.util.FilterChainProxy$VirtualFilterChain.doFilter(FilterChainProxy.java:371)
    org.springframework.security.util.FilterChainProxy.doFilter(FilterChainProxy.java:174)
    org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate(DelegatingFilterProxy.java:183)
    org.springframework.web.filter.DelegatingFilterProxy.doFilter(DelegatingFilterProxy.java:138)

root cause

java.net.SocketTimeoutException: connect timed out
    java.net.PlainSocketImpl.socketConnect(Native Method)

root cause

java.net.SocketTimeoutException: SocketTimeoutException invoking https://hws.hacienda.gobierno.pr/cvservice/cvservices.asmx: connect timed out
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    sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45)
    java.lang.reflect.Constructor.newInstance(Constructor.java:408)
    org.apache.cxf.transport.http.HTTPConduit$WrappedOutputStream.mapException(HTTPConduit.java:2058)
    org.apache.cxf.transport.http.HTTPConduit$WrappedOutputStream.close(HTTPConduit.java:2043)
    org.apache.cxf.transport.AbstractConduit.close(AbstractConduit.java:66)
    org.apache.cxf.transport.http.HTTPConduit.close(HTTPConduit.java:639)

3. When I entered the link that I highlighted I am taken to the following page where I can see a full list of all the functions that the API belonging to the Department of Treasury (Hacienda) can perform. I can execute them without any authentication, just with a SOAP request. I can click each function and I am taken to a web page that explains the details of the selected function.
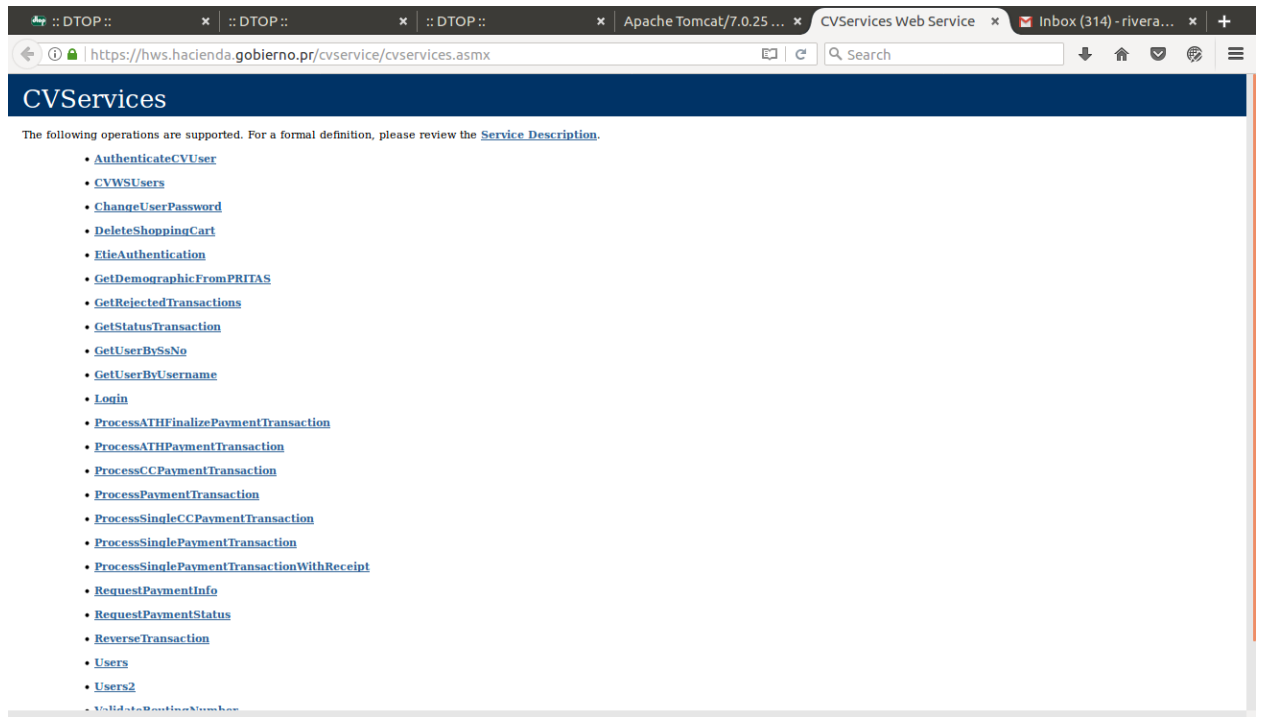
4. The detail page shows the structure of how the SOAP request must be sent and which parameters I have to send for the request and which I will receive in the response. While it is true that the request has parameters to authenticate a session they are not needed. This screenshot shows the detail page for the function VerifyUserName.

CVServices Web Service × +

hws.hacienda.**gobierno.pr**/cvservice/cvservices.asmx?op=VerifyUserName   Search

CVServices

Click here for a complete list of operations.

VerifyUserName

Test

The test form is only available for requests from the local machine.

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values.

```
POST /cvservice/cvservices.asmx HTTP/1.1
Host: hws.hacienda.gobierno.pr
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://haciendawebservices/CVService/CVService/VerifyUserName"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Header>
    <AuthHeader xmlns="http://haciendawebservices/CVService/CVService">
      <SessionKey>string</SessionKey>
      <SessionRole>string</SessionRole>
    </AuthHeader>
  </soap:Header>
  <soap:Body>
    <VerifyUserName xmlns="http://haciendawebservices/CVService/CVService">
      <UserName>string</UserName>
    </VerifyUserName>
  </soap:Body>
</soap:Envelope>
```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <VerifyUserNameResponse xmlns="http://haciendawebservices/CVService/CVService">
      <VerifyUserNameResult>string</VerifyUserNameResult>
    </VerifyUserNameResponse>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.2

The following is a sample SOAP 1.2 request and response. The placeholders shown need to be replaced with actual values.

5. As you can see in the screenshot below I take the information found on the details page and I send the SOAP request to the Hacienda API on the first box. On the second box you can see the response in which you can see that it is a social security number. I censored part of the number so that it could not be seen completely.