



Ejemplo de creación del encabezado y envío de petición en JAVA

```
import java.io.IOException;
import java.io.StringReader;
import java.io.StringWriter;
import java.net.URI;
import java.security.GeneralSecurityException;

import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import javax.xml.transform.OutputKeys;
import javax.xml.transform.Source;
import javax.xml.transform.Transformer;
import javax.xml.transform.TransformerFactory;
import javax.xml.transform.stream.StreamResult;
import javax.xml.transform.stream.StreamSource;

import org.apache.commons.codec.binary.Base64;
import org.apache.http.HttpEntity;
import org.apache.http.HttpResponse;
import org.apache.http.client.methods.HttpGet;
import org.apache.http.impl.client.CloseableHttpClient;
import org.apache.http.impl.client.HttpClientBuilder;
import org.apache.http.message.BasicHeader;
import org.apache.http.util.EntityUtils;

/**
 * Pricing API call sample code.
 * @author payu.com.co
 */
public class PruebaPricing {

    private final String API_URL = "http://stg.api.payulatam.com/payments-
api/rest/v4.3/pricing?accountId=509171&currency=ARS&amount=500&paymentMethod=VIS
A";

    private final String MERCHANT_PUBLIC_KEY = "PKfm6N499761MiCW566M9okj0N";
    private final String MERCHANT_API_KEY = "6u39nqh8ftd0h1vnjfs66eh8c";

    /**
     * The main method.
     */
    public static void main(String[] args) {

        PruebaPricing sample = new PruebaPricing();
        sample.doRequest();
    }
}
```



```
/**
 * Do the request.
 */
public void doRequest() {

    CloseableHttpClient client = null;
    try {
        // send request
        client = HttpClientBuilder.create().build();
        HttpResponse response =
client.execute(buildGetRequest(API_URL));

        HttpEntity entity = response.getEntity();
        String responseString = EntityUtils.toString(entity, "UTF-
8");

        System.out.println("");
        System.out.println("Response: ");
        System.out.println(responseString);

        int status = response.getStatusLine().getStatusCode();
        System.out.println("response status: " + status);

    } catch (Exception e) {
        e.printStackTrace();
    }
    finally {
        if (client != null) {
            try {
                client.close();
            } catch (IOException e) {
                e.printStackTrace();
            }
        }
    }
}

/**
 * Builds the get request.
 */
private HttpGet buildGetRequest(String url) throws Exception {

    URI path = new URI(url);
    HttpGet request = new HttpGet(path);

    // create signature: method + content md5 + content-type + date +
uri

    String method = "GET";
    String content = "";
    String contentType = "";
    String date = "Thu, 13 Aug 2015 15:51:01 GMT";
```



```
String uriPath = "/payments-api/rest/v4.3/pricing";

StringBuilder signature = new StringBuilder();
signature.append(method).append("\n")
    .append(content).append("\n")
    .append(contentType).append("\n")
    .append(date).append("\n")
    .append(uriPath);

System.out.println("Signature content:");
System.out.println(signature.toString());

String auth = "Hmac " + MERCHANT_PUBLIC_KEY + ":" +
buildHmacSignature(MERCHANT_API_KEY, signature.toString());

System.out.println("");
System.out.println("Authorization Header:");
System.out.println(auth);

request.addHeader(new BasicHeader("Date", date));
request.addHeader(new BasicHeader("Authorization", auth));
request.addHeader(new BasicHeader("Accept",
"application/xml")); //application/json

return request;
}

/**
 * Builds the HMAC signature.
 */
private String buildHmacSignature(String secret, String data) {

    try {
        SecretKeySpec signingKey = new
SecretKeySpec(secret.getBytes(), "HmacSHA256");
        Mac mac = Mac.getInstance("HmacSHA256");
        mac.init(signingKey);
        byte[] rawHmac = mac.doFinal(data.getBytes());

        // Encode with Base64
        String result = new String(Base64.encodeBase64(rawHmac));
        return result;
    }
    catch (GeneralSecurityException e) {
        throw new IllegalArgumentException();
    }
}
}
```