

# **Guide to Upgrade SOAP API to P12 Authentication in SAP Commerce**

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## Steps to Upgrade SOAP API to P12 Authentication

### 1. ISV-Payment-API dependency update

Replace the isv-payment-api jar

Update the existing Cybersource API version located at:

```
hybris/bin/ <env> /isvpayment/lib/isv-payment-api-3.0.3
```

### 2. Add or Update External Dependencies

Modify the external-dependencies.xml file to include the required dependencies.

**File Path:**

```
hybris/bin/ <env> /isvpayment/external-dependencies.xml
```

```
<dependency>
  <groupId>org.apache.santuario</groupId>
  <artifactId>xmlsec</artifactId>
  <version>4.0.3</version>
</dependency>

<dependency>
  <groupId>com.cybersource</groupId>
  <artifactId>cybersource-rest-client-java</artifactId>
  <version>0.0.73</version>
  <scope>runtime</scope>
  <exclusions>
    <exclusion>
      <artifactId>gson</artifactId>
      <groupId>com.google.code.gson</groupId>
    </exclusion>
  </exclusions>
</dependency>
```

```
</exclusions>
</dependency>

<dependency>
  <groupId>com.cybersource</groupId>
  <artifactId>AuthenticationSdk</artifactId>
  <version>0.0.34</version>
</dependency>

<dependency>
  <groupId>com.nimbusds</groupId>
  <artifactId>nimbus-jose-jwt</artifactId>
  <version>10.0.2</version>
</dependency>
```

### 3. Update unmanaged-dependencies.txt

Upgrade current dependency version

**File Path:**

*hybris/bin/ <env> /isvpayment/unmanaged-dependencies.txt*

**Replace with below version:**

isv-payment-api-3.0.3.jar

### 4. Update Configuration Properties

Add the P12 Authentication configuration in the project.properties file.

**File Path:**

*hybris/bin/ <env> /isvpayment/project.properties*

**Add the following properties:**

# P12 Authentication Configuration

isv.payment.p12.merchantId=<your\_merchant\_id>

isv.payment.p12.libVersion=<library\_version>

isv.payment.p12.keyAlias=<your\_certificate\_key\_alias>

isv.payment.p12.keyFile=<your\_certificate\_file>

isv.payment.p12.keyPass=<your\_certificate\_password>

isv.payment.p12.keysDirectory=src/main/resources

where

- merchantId: Your Cybersource merchant ID.
- libVersion: The version of the Cybersource library in use.
- keyAlias: The alias of your P12 certificate key.
- keyFile: The file name of your P12 certificate.
- keyPass: The password to access the P12 certificate.
- keysDirectory: The directory where the P12 certificate is stored.

**NOTE:** <env> holds either “b2b” or “b2c”