



EUROPEAN COMMISSION

DIRECTORATE-GENERAL INFORMATICS

# **Quick start guide**

## **CIPA E-delivery VirtualBox**

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|--------------|----------------|
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## TABLE OF CONTENTS

|   |          |
|---|----------|
| <b>1. INTRODUCTION .....</b>                  | <b>4</b> |
| <b>2. PREREQUISITES.....</b>                  | <b>4</b> |
| <b>3. ACQUIRE THE NEEDED COMPONENTS .....</b> | <b>4</b> |
| <b>4. CONFIGURE YOUR ENVIRONMENT .....</b>    | <b>5</b> |
| 4.1. Sender .....                             | 5        |
| 4.2. Receiver .....                           | 5        |
| <b>5. TESTING .....</b>                       | <b>6</b> |
| 5.1. AS2 .....                                | 6        |
| 5.1.1. Expected result.....                   | 6        |
| 5.2. AS4 .....                                | 6        |
| <b>6. ANNEX.....</b>                          | <b>7</b> |

## Document History

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## 1. INTRODUCTION

The CIPA E-delivery system as a whole consists out of 3 Major components, the SML, the SMP and the dispatcher with his back-end access points.

For easy internal testing we have developed a 2 component testing suite consisting out a preconfigured tomcat instance and a preconfigured Virtual box appliance.

The virtual-box appliance is pre-configured to act as the receiving party.

On this appliance we have pre-installed and configured the following components:

- CIPA E-delivery dispatcher
- CIPA E-delivery SMP
- Mendelson open-source edition (as2-server)
- Domibus (as4-server)

The pre-configured tomcat instance is intended to be the sending party.

This is a brief description for the installation of the sender, using Mysql on the standard port 3306.

If you are using Oracle or Mysql running on a non standard port, we would like to refer you to the Full installation manual which is more detailed.

## 2. PREREQUISITES

You will need the following software for proper functioning:

- Java runtime environment version 7 or higher  
(<http://www.oracle.com/technetwork/java/javase/downloads/index.html>)
- The JCE Unlimited Strength Policy files  
ex. For jre7 (<http://www.oracle.com/technetwork/java/javase/downloads/ice-7-download-432124.html>)
- Oracle Virtual box (<https://www.virtualbox.org/wiki/Downloads>)
- Soapui (<http://www.soapui.org/>)
- MYSQL or Oracle database server if you will use Domibus access point on the sending party, configured on the standard port 3306 (If not we refer to the complete installation guide).
- If you are using Oracle database server, the Oracle JBC driver  
(<http://www.oracle.com/technetwork/database/features/jdbc/index-091264.html>)

Please install the above software on your host machine, for further information and installation details we gently forward you to the websites of the manufacturers.

## 3. ACQUIRE THE NEEDED COMPONENTS

Download these components from the E-delivery release page:

[https://joinup.ec.europa.eu/software/cipaedelivery/asset\\_release/cipa-e-delivery](https://joinup.ec.europa.eu/software/cipaedelivery/asset_release/cipa-e-delivery)

- The virtualBox image for the receiver.( eDelivery.ova)
- The zip-distribution for the CIPA E-delivery dispatcher. .( cipa-edelivery-distribution-2.2.4-tomcat-full.zip)

## 4. CONFIGURE YOUR ENVIRONMENT

### 4.1. Sender

- Extract the zip file containing the installation package of the CIPA E-delivery dispatcher to a location on your physical machine, which we refer to in this document as your Edelivery installation path.

- Execute the following commands on the command prompt:

Note that you must have mysql.exe added to your PATH variable.

```
mysql -h localhost -u root -p -e "create schema edelivery;"
mysql -h localhost -u root -p -e "create user edelivery identified by
'edelivery';"
mysql -h localhost -u root -p -e "grant all on edelivery.* to
edelivery;"
```

- Run the create-mysql.sql script.

```
mysql -h localhost -u edelivery -p edelivery < create-mysql.sql
```

- Start the sender using the bin/startup.sh (for Linux) or the bin/startup.bat (windows). Your Sender is now ready for sending messages.

### 4.2. Receiver

Import the Virtual box appliance file into the VirtualBox instance on your desktop by clicking on the menu File -> Import appliance

Do not activate the option of reinitializing the mac-address.

For further information about using Oracle Virtual Box we refer you to their website.

<https://www.virtualbox.org>

Start the virtual machine from the Oracle VirtualBox Manager, as soon as it is started up, showing the login prompt, the receiver is ready for receiving documents.

## 5. TESTING

This test will use the sender instance of your local computer and will send a message towards the receiver. The sender will first contact the SMP of the receiver to get the metadata and will then call Mendelson to actually send the AS2 message or Domibus to send the AS4 message. The SMP database of the receiver already contains the certificate and the metadata for the participant. The test file is in the extract of the distribution zip under the folder test/**AS2-AS4-soapui-project.xml**

*NOTE:*

*If you encounter connection timeouts on the test you should augment, the Socket Timeout setting of SoapUI. This can be done following File -> Preferences, in this screen on the Http Settings tab, you can change the Socket Timeout setting here, preferably you set it at least to 300000 ms (5 minutes).*

### 5.1. AS2

- The SoapUi test project can be found in the test folder under the expanded zip (<YOUR\_EDELIVERY\_INSTALLATION\_PATH\_HERE>/)
- Import the test project under SOAP UI (File -> import project)
- run it (AS2 TestSuite > Send AS2 Message > Send AS2 Message)

#### 5.1.1. Expected result

- In SOAP UI, the HTTP response is 200 OK
- On your local computer, you can find the message that has been sent on : <YOUR\_EDELIVERY\_INSTALLATION\_PATH\_HERE>/filestores/mendelson/messages
- In your browser you can open the application url <http://192.168.10.11:8080/browser> to navigate towards this path on the virtualbox machine: /home/adminuser/cipa-edelivery-distribution/store/mendelson/messages/inbox/  
In this directory you can verify if the as2 message is received correctly)

### 5.2. AS4

- The SoapUi test project can be found in the test folder under the expanded zip
- Import the test project under SOAP UI (File -> import project)
- run it ( AS4 TestSuite > Send AS4 Message > Send AS4 Message)

#### 5.2.1. Expected result

- The 4 steps of the test-suite need to be OK.

## 6. ANNEX

| Parameter           | Sender on local computer  | Receiver in the VirtualBox   |
|---------------------|---|--|
| IP                  | Localhost   | 192.168.10.11  |
| Participant ID      | 0088:5798000000001  | 0088:5798000000020   |
| Certificate         | Self-signed<br>Alias: senderAlias<br>CN: senderCN   | Self-signed<br>Alias: receiverAlias<br>CN: receiverCN  |
| SMP base url        |   | <a href="http://192.168.10.11:9080/cipa-smp-full-webapp">http://192.168.10.11:9080/cipa-smp-full-webapp</a>                          |
| Dispatcher base url | <a href="http://localhost:8080/cipa-dispatcher">http://localhost:8080/cipa-dispatcher</a> | <a href="http://192.168.10.11:9080/cipa-dispatcher">http://192.168.10.11:9080/cipa-dispatcher</a>                                    |
| Medelson base url   | <a href="http://localhost:8080/mendelson">http://localhost:8080/mendelson</a>             | <a href="http://192.168.10.11:9080/mendelson">http://192.168.10.11:9080/mendelson</a>  |
| Domibus base url    | <a href="http://localhost:8080/domibus">http://localhost:8080/domibus</a>                 | <a href="http://192.168.10.11:9080/domibus">http://192.168.10.11:9080/domibus</a>  |
| Database            | Edelivery database<br>jdbc:mysql://localhost:3306/?user=edelivery&password=edelivery      | Edelivery database<br>jdbc:mysql://192.168.10.11:3306/?user=edelivery&password=edelivery   |
| OS login            |   | Username: adminuser<br>Password: adminuser<br><br>webmin url:<br><a href="http://192.168.10.11:10000">http://192.168.10.11:10000</a> |