European
Commission

# e-Delivery Pilot for BRIS


# Known issues

Author(s)    : CEF
Reviewed by :

Approved by :

1.00 version :

# CONTENTS

# 1. OVERVIEW

This document lists issues encountered during the test phase of the eDelivery pilot for BRIS.

Those issues have been identified, a ticket has been recorded in JIRA for each of them, and they are currently being worked on. These are planned to be fixed in a future release.

This document also lists other issues, or restrictions, which are due to the default configuration. Solutions in order to waive those restrictions are also provided.

# 2. KNOWN ISSUES

## 2.1. Random error message "No entity found for query"

When sending a message using the connector and domibus, the following log may appear although the message was correctly sent:

```
16:06:10,552 INFO [stdout] (Timer-5) 2015-04-28 16:06:10,551
[ERROR] eu.domibus.ebms3.workers.impl.DatabaseSenderWorker - An
error occured when sending the message.

16:06:10,598 INFO [stdout] (Timer-5)
Details:javax.persistence.NoResultException: No entity found for
query

16:06:10,601 INFO [stdout] (Timer-5)
javax.persistence.NoResultException: No entity found for query

16:06:10,605 INFO [stdout] (Timer-5) at
org.hibernate.ejb.QueryImpl.getSingleResult(QueryImpl.java:286)

16:06:10,612 INFO [stdout] (Timer-5) at
eu.domibus.common.persistent.TempStoreDAO.findByGroupAndArtifact
(TempStoreDAO.java:38)

16:06:10,621 INFO [stdout] (Timer-5) at
eu.domibus.ebms3.submit.EbMessage.addToBody(EbMessage.java:296)

16:06:10,630 INFO [stdout] (Timer-5) at
eu.domibus.ebms3.workers.impl.DatabaseSenderWorker.run(DatabaseS
enderWorker.java:59)

16:06:10,648 INFO [stdout] (Timer-5) at
eu.domibus.ebms3.workers.Worker.run(Worker.java:105)

16:06:10,651 INFO [stdout] (Timer-5) at
eu.domibus.ebms3.workers.TimerTaskWrapper.run(TimerTaskWrapper.j
ava:17)

16:06:10,654 INFO [stdout] (Timer-5) at
java.util.TimerThread.mainLoop(Timer.java:555)

16:06:10,665 INFO [stdout] (Timer-5) at
java.util.TimerThread.run(Timer.java:505)
```

## 2.2. No error received when the gateway/connector at the receiver side is down

When the gateway/connector at the receiver side is down, no error message is returned to the sender. The technical acknowledgement is received synchronously from the local connector, which misleads the sender to believe that the message has arrived at the receiver side.

In the meantime, the local gateway will asynchronously try to resend the message (with the options defined in the pmode).

After the retries have failed, an error is logged in the connector logs, but no error is returned to the sender of the message.

# 3. RESTRICTIONS

## 3.1. Size of attachment inside a BRISDocument

In MySQL, there is a "max_allowed_packet" variable that restricts the size of the data that can be saved to the DB. This may result in a Soap fault server error or a HTTP 500 internal server error such as:

```
org.springframework.web.util.NestedServletException:
Request processing failed; nested exception is
java.lang.OutOfMemoryError: Java heap space
```

To change this limitation, the following options are available:

1. Type the following command in MySQL Command Line Client to modify the variable:

```
set global max_allowed_packet = 104857600
```

   Then restart the JBoss server. The MySQL Server does not require to be restarted.

   **Note:** this is a temporary fix. Restarting the MySQL Server will restore the default value.

2. Add or modify the *max_allowed_packet* property in the *my.ini* (Windows) or *my.cnf* (Linux) with a raised max size. Example:

```
max_allowed_packet=100M
```

3. Increase the maximum memory allocation (Xmx) in the *standalone.conf.bat.* Example:

```
set "JAVA_OPTS=-Xms128M –Xmx2048M -XX:MaxPermSize=256M"
```

## 3.2. Size of Wrappers

The size of wrappers that can be sent from gateway to gateway is currently limited to 4MB.

If a larger file is sent, the following error is returned in the logs when the BRIS document referencing that wrapper is sent:

```
INFO [stdout] (http--0.0.0.0-8080-1) Caused by:
com.mysql.jdbc.PacketTooBigException:
Packet for query is too large (5737516 > 4194304).
```

You can change this value on the server by modifying the *max_allowed_packet* property in the *my.ini* (Windows) or *my.cnf* (Linux) with a raised max size. Example:

```
max_allowed_packet=100M
```

## 3.3. ID length mismatch

There is an ID length mismatch in sending and receiving connector. The sending connector allows 250 characters for the document ID.

Since the ID column in the message table allows up to 255 characters, there is no issue for the sending connector. However, during transmission, the gateway adds +- 37 characters to the ID.

This means that if, for example, an ID contains 220 characters and 37 characters are added by the gateway, the maximum number of characters for the ID column on the receiving connector is outreached.

As a result, the message is not stored in the receiving connector and the sender is not aware of this failure.

In fact:

- For BRIS documents, 37 characters are appended (UUID).
- For wrappers, 48 characters are appended.

This means that, on the sender side, the BRIS Document ID length should not exceed 213 characters, and the wrapper should not exceed 202 characters in order to avoid this problem.