

Archived:OBEX/Bluetooth - getReceivedHeaders() returns null (Known Issue)

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Description

In S60 Editions prior to S60 3rd Edition FP2, calling `getReceivedHeaders()` after initiating an OBEX get operation returns null although the server side explicitly sends a header by calling the `operation.sendHeaders()` method. This known issue has been verified by Nokia Developer.

How to reproduce

1. Implement two MIDlets, a client and a server, for an OBEX test, by using the following code snippets:

Client side:

```
// [...]
LocalDevice localDevice = LocalDevice.getLocalDevice();
DiscoveryAgent discoveryAgent = localDevice.getDiscoveryAgent();

// Locate device
// [...]

// Search service
// [...]

// Connect to server
conn = (ClientSession) Connector.open(serverURL);
conn.connect(null);

HeaderSet reqHeader = conn.createHeaderSet();
reqHeader.setHeader(HeaderSet.TYPE, "myType");

Operation operation = conn.get(reqHeader);

HeaderSet rspHeader = operation.getReceivedHeaders();

if (rspHeader == null) {

    // show notification if the returned HeaderSet value is null
}

// [...]
```

Server side:

```
// this method is part of a class that extends class ServerRequestHandler

public int onGet(Operation pOperation) {
```

```
try {
    HeaderSet reqHeader = pOperation.getReceivedHeaders();

    String type = (String) reqHeader.getHeader(HeaderSet.TYPE);

    ByteArrayOutputStream baos = new ByteArrayOutputStream(4096);

    // fill 'baos' depending on the content of 'type'

    HeaderSet rspHeader = createHeaderSet();
    rspHeader.setHeader(HeaderSet.LENGTH, new Long(target.size()));
    pOperation.sendHeaders(rspHeader);

    OutputStream os = pOperation.openOutputStream();

    os.write(baos.toByteArray());

    os.close();
    pOperation.close();

    return ResponseCodes.OBEX_HTTP_OK;
}
catch (IOException e) {
    return ResponseCodes.OBEX_HTTP_INTERNAL_ERROR;
}
}
```

2. After installing test MIDlets, launch the server and the client.
3. For the affected devices, the value that `getReceivedHeaders()` returns to the client will be null.

Solution

This issue has been fixed starting from S60 3rd Edition, FP2.