

PostgreSQL
Database

Database
Handler

Subscription
Handler

GlobalCare HIS

Step 1: The FHIR Server is initialized

Waiting for next notification
task to be triggered

Executes stored
procedure to retrieve the
latest measurement
associated with the sensor
with ID=1

Sends a request to retrieve
the latest measurement
associated with the sensor
with ID=1

Returns latest
measurement data

Transforms the raw data
into a FHIR Observation

Creates a Bundle
resource from the
Observation,
sensor and
SmartBox Device
resources

POST "/"

(Sends the FHIR Bundle to the base
URL of the HIS FHIR server)

OK 200

Waiting for next notification
task to be triggered