Take care:

- This functionnality of the OpcUaLarLtdbServer is still is development, use it at you own risk
- The LTDB must be configured before any use and all channels at DATA_MODE
- The configuration of the LTDB is lost durig the process

See the logs of

```
ssh -X lardcs@pcatllarltdb
cd /afs/cern.ch/user/l/lardcs/public/etfortin-peripheral/OpcUaLarLtdbServer
./tail_last.sh
```

/!\Don't close the logs, now they are the only way to now if the mapping generation is a success

Configure Latome on with reorder 1 to 1

There is a option in the latome firmware control under istage

Launch the pannel:

On a different terminal

```
ssh -X lardcs@pcatllarltdb
 WCCOAui -proj ATLLARLTDB -p Mapping.pnl &
```

Use the pannel:

Just click on "Generate Mapping" All other functions are useless

On the logs you will see a lot of lines with begin with:

```
2019-07-31 15:31.41.486427 [DMapping_functions.cpp:605, INF] -----Reload of adc ID for ADC:80----
```

It's normal it's the initialization of the theoric mapping and LATOME connexion

After ~10s

```
2019-07-31 15:31.49.272197 [DMapping_functions.cpp:177, INF] Ltdb_fiber Latome_fiber
2019-07-31 15:31.49.272303 [DMapping_functions.cpp:179, INF] 1          48
2019-07-31 15:31.49.272370 [DMapping_functions.cpp:179, INF] 2          47
...
...
```

Here if on each line if Latome_fiber is -1 it's an error Latome side.

IS not the generation fiber to fiber is finished and the server will begin to generate it for SC, you will have this line:

```
2019-07-31 15:31.49.338207 [DMapping_functions.cpp:257, INF] mapping Istage for channel:1
```

After it will show the results:

```
2019-07-31 15:32.28.612016 [DMapping_functions.cpp:276, INF] 319          3          7
2019-07-31 15:32.28.612057 [DMapping_functions.cpp:276, INF] 320          3          8
```

When you see for SC 320 it's good. You can close the logs.

The results are under:

- mapping_generated.txt
- mappingSCIstage_generated.txt

-- EtienneMarieFortin - 2019-07-31

This topic: Main > LtdbMappingGenerationEmfPeripheral
Topic revision: r1 - 2019-07-31 - EtienneMarieFortin