

Online_V2 interfacing with GWB correlator via GPU DAS server

Test done on 23/04/2014 Time : 10 AM to 11 AM

Online_V2 & GPU Dasserver executed on oper2 (IP 192.168.1.14 machine).

***** Online_V2 Terminal display *****

```
[observer@oper2 Online]$ ./online_v2
```

```
msgget: Calling msgget(0xc9,01600)
```

```
msgget: msgget succeeded: msqid = 0
```

```
Successsfully Created MESSAGE QUEUE ID=0
```

```
##### SERVER WANTING FOR CLIENT CONNECTION
```

```
#####
```

```
==> SERVO SERVER WANTING FOR CLIENT CONNECTION
```

```
==>### SERVER WANTING FOR GUI CLIENT TO CONNECT
```

```
#####
```

```
$$$ SERVER WANTING FOR PYTHON ENVIRONMENT CLIENT TO  
CONNECT $$$
```

```
>> dasinit
```

```
CMD[0] => dasinit
```

```
DAS INIT
```

```
Message Sent=>0 0 das init 1 7FFFFFFE F
```

```
/home/observer/Online_v2/gpu.hdr
```

```
waiting for ack id 2
```

```
ACK Got from DASSERVER : ack
```

```
SUCCEEDED
```

>> addp

CMD[0] => addp

ADD Project

Message Sent=>4 1 das addp 1 /home/observer/Online_v2/proj.hdr

waiting for ack id 2

ACK Got from DASSERVER : ack

waiting for success is 2

waiting for success is 2

waiting for success is 2

SUCCEDED

>> startscan

CMD[0] => startscan

DAS START SCAN

Message Sent=>4 2 das start /home/observer/Online_v2/scan.hdr

waiting for ack id 2

ACK Got from DASSERVER : ack

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

SUCCEDED

>> stopscan

CMD[0] => stopscan

DAS STOP SCAN

Message Sent=>4 3 das stop

waiting for ack id 2

ACK Got from DASSERVER : ack

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

SUCCEEDED

>> startscan

CMD[0] => startscan

DAS START SCAN

Message Sent=>4 2 das start /home/observer/Online_v2/scan.hdr

waiting for ack id 2

ACK Got from DASSERVER : ack

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

waiting for success is 2

SUCCEEDED

>> stopscan

CMD[0] => stopscan

DAS STOP SCAN

Message Sent=>4 3 das stop
waiting for ack id 2
ACK Got from DASSERVER : ack
waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
SUCCEEDED

>> startscan

CMD[0] => startscan
DAS START SCAN
Message Sent=>4 2 das start /home/observer/Online_v2/scan.hdr
waiting for ack id 2
ACK Got from DASSERVER : ack
waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
SUCCEEDED

>> stopscan

CMD[0] => stopscan
DAS STOP SCAN
Message Sent=>4 3 das stop
waiting for ack id 2
ACK Got from DASSERVER : ack
waiting for success is 2

waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
SUCCEDED

>> startscan

CMD[0] => startscan
DAS START SCAN
Message Sent=>4 2 das start /home/observer/Online_v2/scan.hdr
waiting for ack id 2
ACK Got from DASSERVER : ack
waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
waiting for success is 2
SUCCEDED

*****GPU DASSERVER TERMINAL DISPLAY*****

[observer@oper2 dassrv-gpu]\$./dassrv
>> Reading configuration from /home/observer/corrrel.hdr
INFO CorrBandMask 0[3] 1[3] 2[3] 3[3]
DPCMODE=UsbPolar Corr0Mask=3 Corr1Mask=3 Corr2Mask=3
All the stale messages cleared
Cmd Recvd: 0 0 das init 1 7FFFFFFE F
/home/observer/Online_v2/gpu.hdr

During Assignment PTAB->Corr_id is 0
1 7ffffffe f /home/observer/Online_v2/gpu.hdr
MAP MASK O_ANTMASK =>7ffffffe
MAP MASK D_ANTMASK =>3fffffff
got 1328 bytes from /home/observer/Online_v2/gpu.hdr
got 1328 bytes from /home/observer/Online_v2/gpu.hdr
got 1328 bytes from /home/observer/Online_v2/gpu.hdr
got 1328 bytes from /home/observer/Online_v2/gpu.hdr
To CorrA: AcqNode, CmdDest=0, CmdId=0, CmdType=DAS,
Cmd=init, param=1 7FFFFFFE F /home/observer/Online_v2/gpu.hdr

CorrId=1
CorrId=1
open 1 Corr CorrA Port 6001
Waiting for CorrA to acknowledge..... OK! Got 16

13 F=16 S=8
'SUCCEEDED' sent to ONLINE
Cmd Recvd: 4 1 das addp 1 /home/observer/Online_v2/proj.hdr

During Assignment PTAB->Corr_id is 0
got 80 bytes from /home/observer/Online_v2/proj.hdr

MAP MASK O_ANTMASK =>7ffffffe

MAP MASK D_ANTMASK =>3fffffff

CorrA :AddProjReq for TEST 3fffffff 3 3
IN ADDPROJECT PTAB->Corr_id is 0
To CorrA: AcqNode, CmdDest=1, CmdId=0, CmdType=DAS,
Cmd=addp, param=1 /home/observer/Online_v2/proj.hdr

CorrId=1
13 F=16 S=8
'SUCCEEDED' sent to ONLINE
IN Main ADDPROJECT PTAB->Corr_id is 1
Cmd Recvd: 4 2 das start /home/observer/Online_v2/scan.hdr
During Assignment PTAB->Corr_id is 1
got 232 bytes from /home/observer/Online_v2/scan.hdr
MAP MASK O_ANTMASK =>7ffffffe
MAP MASK D_ANTMASK =>3fffffff
====> Source Antmask is 7ffffffe ====>d_antmask is 3fffffff
====> Source Antmask is 3fffffff ====>d_antmask is 3fffffff
CorrA : StartReq for Code TEST AntMask 3fffffff BandMask 3
To CorrA: AcqNode, CmdDest=2, CmdId=0, CmdType=DAS,
Cmd=start, param=/home/observer/Online_v2/scan.hdr
CorrId=1
13 F=16 S=8
'SUCCEEDED' sent to ONLINE
Cmd Recvd: 4 3 das stop
During Assignment PTAB->Corr_id is 1
CorrA : StopReq for Project TEST
To CorrA: AcqNode, CmdDest=3, CmdId=0, CmdType=DAS,
Cmd=stop, param=
CorrId=1
13 F=16 S=8
'SUCCEEDED' sent to ONLINE

Cmd Recvd: 0 4 das delp 1
During Assignment PTAB->Corr_id is 0
SubArray 0: No Project or Bad CorrId
Error Number -1
'FAILED' sent to ONLINE

Cmd Recvd: 0 5 das fini 1

During Assignment PTAB->Corr_id is 0

To CorrA: AcqNode, CmdDest=5, CmdId=0, CmdType=DAS,
Cmd=fini, param=1

CorrId=1

13 F=16 S=8

'SUCCEEDED' sent to ONLINE