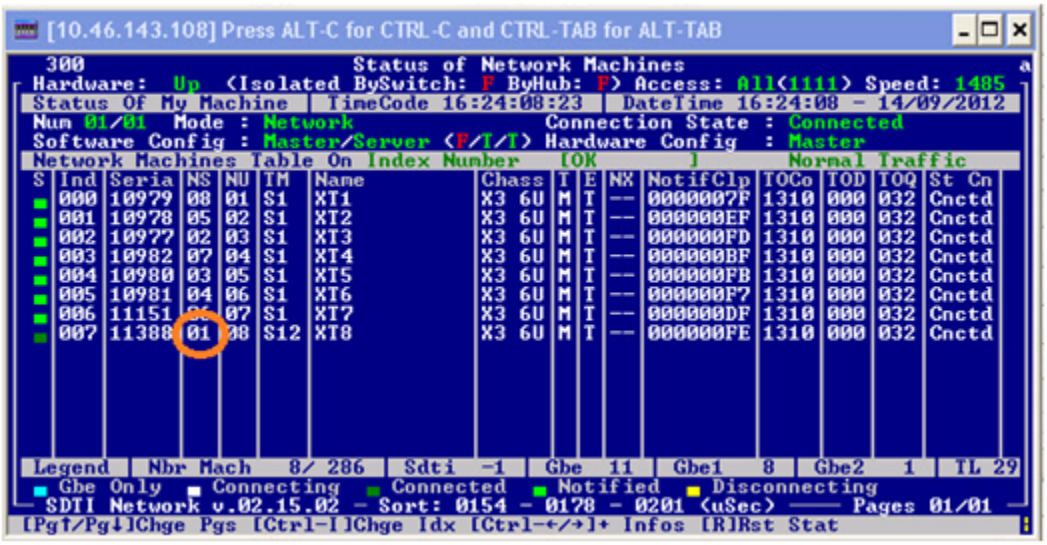
Multicam SDTI - Tips and Tricks

Here are some tips and Tricks regarding the SDTI Network.

Procedure

How to retrieve the current SDTI's server (role)

Go to Debug Page 300 – Find the 01 's value in the column NS:



When an XT (with the server's role) comes down, the XT with the higher Serial Number become the new server.

- Below, the trace in the mC_Sdti.log when the server comes down (In this example, 2C0E => Serial Number 11278)

```
01/04/13|18:46:21|090C06D7|C|1|1|Slave down <= Not In Tbl Mch NetSN 2C0E.
```

- Below, the trace in the Mul_Sdti_Cmd.log when the server becomes the new server (In this example, Serial Number 11335)

```
01/04/13|18:46:34|090C094E|C|1|1|CGCN::itTaskSendCmd |$0x0500|Current Master
Hardware change to serial number 11335
```

Note: XFile cannot take the role of SDTI's server.

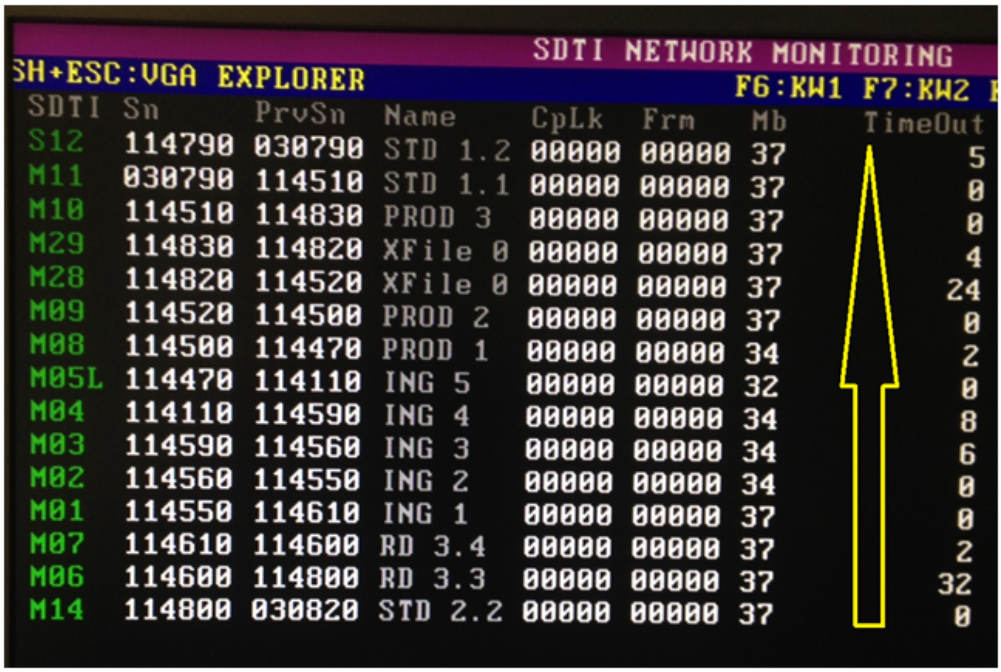
The SDTI's network is impacted only when the server comes down. The new server (higher Serial Number) will synchronize all XT's DB (present in the SDTI network).

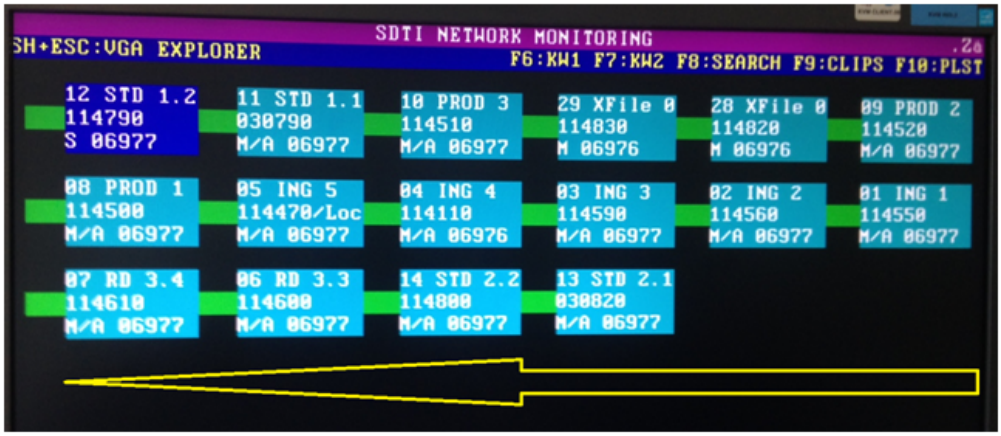
This synchronization may take few minutes (related to the number of clips on each server).

If another server(in the SDTI's network) comes down, no interruptions should be seen on the network.

Token Ring

Here is the direction of a transfer in a SDTI's network (Type shift+F4 on the VGA):





SDTI Performance

The size of a "sdti" image is 72 lines of 1088 pixels. This image contains the transfert's data (64KB/image) and also some protocol's information. The value 1485 is in 10 bit but the transfered's data are in 8 bit. **Conclusion:** The maximum theoretical bandwidth is:

1485Mbps*(8/10)*(64*1024)/(72*1088) = **993 Mbps**

Applies To

Multicam, XFile