

# D7 SS7 Sample Configuration

## Prerequisites:

- ADAX SS7 card is present in both Servers
- Both cards are connected to each other using a crossover cable Port-0 to Port-0
- D7 is installed and Started. All processes are up and running
- Server Hostnames are : Host – A and Host – B

## Host - A configuration:

```
# MTP-L1/2 configuration
add-ss7board:hostname=host-A,BOARDNM=adaxm,INST=0;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=1,origtype=HDLC,origslot=0;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=2,origtype=HDLC,origslot=1;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=3,origtype=HDLC,origslot=2;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=4,origtype=HDLC,origslot=3;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=5,origtype=HDLC,origslot=4;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=6,origtype=HDLC,origslot=5;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=7,origtype=HDLC,origslot=6;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=8,origtype=HDLC,origslot=7;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=9,origtype=HDLC,origslot=8;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=10,origtype=HDLC,origslot=9;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=11,origtype=HDLC,origslot=10;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=12,origtype=HDLC,origslot=11;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=13,origtype=HDLC,origslot=12;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=14,origtype=HDLC,origslot=13;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=15,origtype=HDLC,origslot=14;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=16,origtype=HDLC,origslot=15;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=0,origtype=LINE,origspan=1,origslot=1;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=1,origtype=LINE,origspan=1,origslot=2;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=2,origtype=LINE,origspan=1,origslot=3;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=3,origtype=LINE,origspan=1,origslot=4;

mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=4,origtype=LINE,origspan=1,origslot=5;
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mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=5,origtype=LINE,origspan=1,origslot=6;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=6,origtype=LINE,origspan=1,origslot=7;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=7,origtype=LINE,origspan=1,origslot=8;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=8,origtype=LINE,origspan=1,origslot=9;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=9,origtype=LINE,origspan=1,origslot=10;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=10,origtype=LINE,origspan=1,origslot=11;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=11,origtype=LINE,origspan=1,origslot=12;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=12,origtype=LINE,origspan=1,origslot=13;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=13,origtype=LINE,origspan=1,origslot=14;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=14,origtype=LINE,origspan=1,origslot=15;
mod-timeslot:hostname=host-
A,boardnm=adaxm,inst=0,desttype=HDLC,destslot=15,origtype=LINE,origspan=1,origslot=16;
modify-ss7board:hostname=host-A,boardnm=adaxm,inst=0,conf=ON;

#Add MTP (level 3) , you need to start upmd first, here only one instance, so we start upmd 0
ADD-MTP:PROTOCOL=ITU_97,PCSIZE=14_BIT;

#Define your point code by modifying SP
m-sp:spc=2-2-2;

# Define route set to adjacent STP
add-rtset:rtset=rs1,dpc=1-1-1;
# Add linksets to the route. Stating how many links are going to defined STP. Link set is
number of links.
ADD-LSET:LSET=ls1,DPC=1-1-1,TYPE=A,LOADED=16, ACTIVE=16;
#Add-Links to linkset LS1
ADD-LINK:LINK=1,LSET=ls1,SLC=0,PRIORITY=0, HOSTNAME=host-A,BOARDNM=adaxm,INST=0, PORT=0;
ADD-LINK:LINK=2,LSET=ls1,SLC=1,PRIORITY=1, HOSTNAME=host-A,BOARDNM=adaxm,INST=0, PORT=1;
# Add route
ADD-ROUTE:RTSET=rs1,LSET=ls1;
# Activate the links
mod-lsetstat:lset=ls1,status=SET_ACT;
# Configuring SCCP, start scmd 0 on server and start tcmd
add-snsp:spc=1-1-1;
add-subsy:spc=1-1-1,ssn=10;

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## Host - B configuration:

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# MTP-L1/2 configuration
add-ss7board:hostname=host-B,BOARDNM=adaxm,INST=0;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=1,origtype=HDLC,origslot=0;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=2,origtype=HDLC,origslot=1;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=3,origtype=HDLC,origslot=2;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=4,origtype=HDLC,origslot=3;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=5,origtype=HDLC,origslot=4;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=6,origtype=HDLC,origslot=5;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=7,origtype=HDLC,origslot=6;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=8,origtype=HDLC,origslot=7;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=9,origtype=HDLC,origslot=8;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=10,origtype=HDLC,origslot=9;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=11,origtype=HDLC,origslot=10;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=12,origtype=HDLC,origslot=11;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=13,origtype=HDLC,origslot=12;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=14,origtype=HDLC,origslot=13;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=15,origtype=HDLC,origslot=14;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=LINE,destspan=1,destslot=16,origtype=HDLC,origslot=15;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=0,origtype=LINE,origspan=1,origslot=1;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=1,origtype=LINE,origspan=1,origslot=2;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=2,origtype=LINE,origspan=1,origslot=3;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=3,origtype=LINE,origspan=1,origslot=4;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=4,origtype=LINE,origspan=1,origslot=5;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=5,origtype=LINE,origspan=1,origslot=6;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=6,origtype=LINE,origspan=1,origslot=7;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=7,origtype=LINE,origspan=1,origslot=8;

mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=8,origtype=LINE,origspan=1,origslot=9;
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mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=9,origtype=LINE,origspan=1,origslot=10;
mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=10,origtype=LINE,origspan=1,origslot=11;
mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=11,origtype=LINE,origspan=1,origslot=12;
mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=12,origtype=LINE,origspan=1,origslot=13;
mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=13,origtype=LINE,origspan=1,origslot=14;
mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=14,origtype=LINE,origspan=1,origslot=15;
mod-timeslot:hostname=host-
B,boardnm=adaxm,inst=0,desttype=HDLC,destslot=15,origtype=LINE,origspan=1,origslot=16;
modify-ss7board:hostname=host-B,boardnm=adaxm,inst=0,conf=ON;

#Add MTP (level 3) , you need to start upmd first, here only one instance, so we start upmd 0
ADD-MTP:PROTOCOL=ITU_97,PCSIZE=14_BIT;
#define your point code by modifying SP
m-sp:spc=1-1-1;
# Define route set to adjacent STP
add-rtset:rtset=rs2,dpc=2-2-2;
# Add linksets to the route. Stating how many links are going to defined STP. Link set is
number of links.
ADD-LSET:LSET=ls2,DPC=2-2-2,TYPE=A,LOADED=16, ACTIVE=16;
#Add-Links to linkset LS2
ADD-LINK:LINK=1,LSET=ls2,SLC=0,PRIORITY=0, HOSTNAME=host-B,BOARDNM=adaxm,INST=0, PORT=0;
ADD-LINK:LINK=2,LSET=ls2,SLC=1,PRIORITY=1, HOSTNAME=host-B,BOARDNM=adaxm,INST=0, PORT=1;

# Add route
ADD-ROUTE:RTSET=rs2,LSET=ls2;
# Activate the links
mod-lsetstat:lset=ls2,status=SET_ACT;
# Configuring SCCP, start scmd 0 on server and start tcmd
add-snsp:spc=2-2-2;
add-subsys:spc=2-2-2,ssn=20;

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