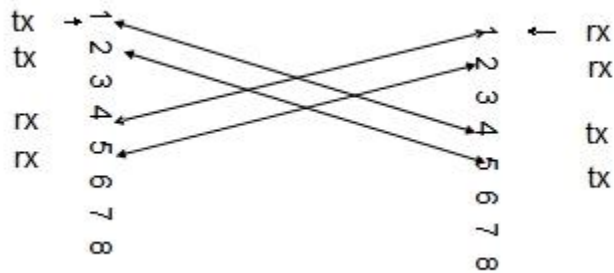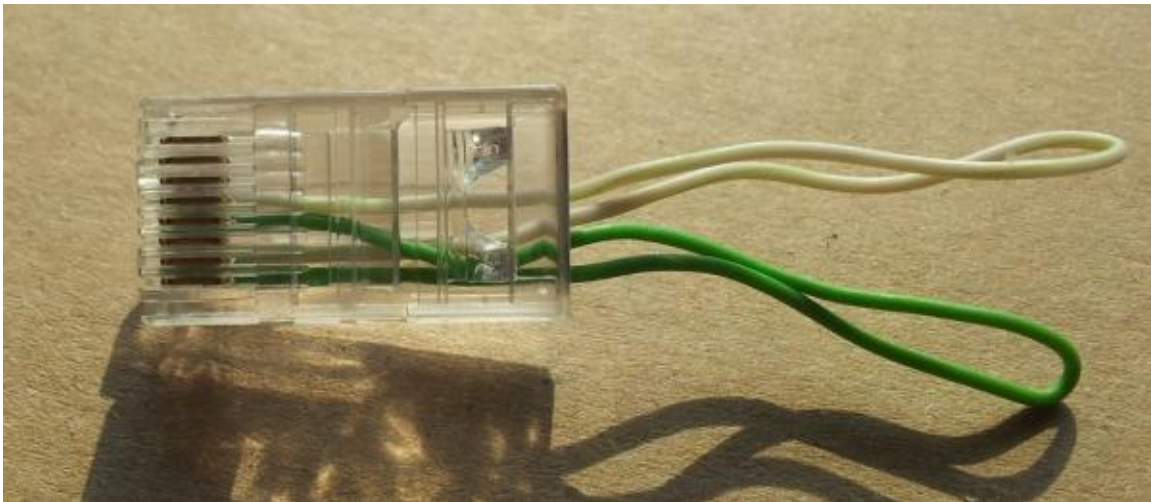# How to create a loopback cable and check the E1 port

1. Redirect Pin 1 to Pin 4 and Pin 2 to Pin 5

2. Insert cable into RJ-45 end, remember 1245 pins, and crimp the end with a crimping tool

3. Execute command: asterisk –vvvvvvvvvvvvvvr to login into Asterisk CLI, then plug the loopback cable into the E1 port, it will run debug info below:

```
IPPBX*CLI>
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 1
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 2
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 3
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 4
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 5
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 6
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 7
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 8
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 9
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 10
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 11
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 12
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 13
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 14
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 15
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 17
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 18
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 19
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 20
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 21
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 22
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 23
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 24
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 25
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 26
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 27
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 28
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 29
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 30
[Jan  1 08:10:44] NOTICE[2557]: chan_zap.c:6736 handle_init_event: Alarm cleared on channel 31
[Jan  1 08:10:44] NOTICE[2556]: chan_zap.c:8581 pri_dchannel: PRI got event: No more alarm (5) on Primary D-channel of span 1

IPPBX*CLI>
```

4. Check PRI Spans

```
IPPBX*CLI> pri show spans
PRI span 1/0: Provisioned, Up, Active
```