

<b>Hardware :</b>	<b>TE420E</b>
<b>Ports :</b>	<b>4 E1 / T1 (ISDN PRI)</b>
<b>Software :</b>	<b>FreePBX 16</b>

```
[root@freepbx ~]# dahdi_genconf
[root@freepbx ~]# dahdi_cfg -vvvv
```

DAHDI Tools Version - 2.2.0

DAHDI Version: 2.2.0

Echo Canceller(s): MG2

Configuration

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Channel 01: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 01)  
Channel 02: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 02)  
Channel 03: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 03)  
Channel 04: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 04)  
Channel 05: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 05)  
Channel 06: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 06)  
Channel 07: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 07)  
Channel 08: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 08)  
Channel 09: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 09)  
Channel 10: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 10)  
Channel 11: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 11)  
Channel 12: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 12)  
Channel 13: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 13)  
Channel 14: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 14)  
Channel 15: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 15)  
Channel 16: D-channel (Default) (Echo Canceler: none) (Slaves: 16)  
Channel 17: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 17)  
Channel 18: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 18)  
Channel 19: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 19)  
Channel 20: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 20)  
Channel 21: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 21)  
Channel 22: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 22)  
Channel 23: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 23)  
Channel 24: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 24)  
Channel 25: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 25)  
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Channel 32: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 32)

Channel 33: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 33)  
Channel 34: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 34)  
Channel 35: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 35)  
Channel 36: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 36)  
Channel 37: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 37)  
Channel 38: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 38)  
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Channel 44: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 44)  
Channel 45: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 45)  
Channel 46: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 46)  
Channel 47: D-channel (Default) (Echo Canceler: none) (Slaves: 47)  
Channel 48: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 48)  
Channel 49: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 49)  
Channel 50: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 50)  
Channel 51: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 51)  
Channel 52: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 52)  
Channel 53: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 53)  
Channel 54: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 54)  
Channel 55: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 55)  
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Channel 63: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 63)  
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Channel 73: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 73)  
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Channel 75: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 75)  
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Channel 77: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 77)  
Channel 78: D-channel (Default) (Echo Canceler: none) (Slaves: 78)  
Channel 79: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 79)  
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Channel 93: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 93)  
Channel 94: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 94)  
Channel 95: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 95)  
Channel 96: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 96)  
Channel 97: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 97)  
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Channel 99: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 99)  
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Channel 101: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 101)  
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Channel 103: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 103)  
Channel 104: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 104)  
Channel 105: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 105)  
Channel 106: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 106)  
Channel 107: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 107)  
Channel 108: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 108)  
Channel 109: D-channel (Default) (Echo Canceler: none) (Slaves: 109)  
Channel 110: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 110)  
Channel 111: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 111)  
Channel 112: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 112)  
Channel 113: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 113)  
Channel 114: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 114)  
Channel 115: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 115)  
Channel 116: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 116)  
Channel 117: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 117)  
Channel 118: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 118)  
Channel 119: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 119)  
Channel 120: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 120)

Channel 121: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 121)

Channel 122: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 122)

Channel 123: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 123)

Channel 124: Clear channel (Default) (Echo Canceler: oslec) (Slaves: 124)

124 channels to configure.

[root@freepbx ~]# Isdahdi

### Span 1: TE4/0/1 "T4XXP (PCI) Card 0 Span 1" (MASTER) CCS/HDB3/CRC4 ClockSource

1 PRI Clear (EC: OSLEC - INACTIVE)  
2 PRI Clear (EC: OSLEC - INACTIVE)  
3 PRI Clear (EC: OSLEC - INACTIVE)  
4 PRI Clear (EC: OSLEC - INACTIVE)  
5 PRI Clear (EC: OSLEC - INACTIVE)  
6 PRI Clear (EC: OSLEC - INACTIVE)  
7 PRI Clear (EC: OSLEC - INACTIVE)  
8 PRI Clear (EC: OSLEC - INACTIVE)  
9 PRI Clear (EC: OSLEC - INACTIVE)  
10 PRI Clear (EC: OSLEC - INACTIVE)  
11 PRI Clear (EC: OSLEC - INACTIVE)  
12 PRI Clear (EC: OSLEC - INACTIVE)  
13 PRI Clear (EC: OSLEC - INACTIVE)  
14 PRI Clear (EC: OSLEC - INACTIVE)  
15 PRI Clear (EC: OSLEC - INACTIVE)  
16 PRI HDLCFCS  
17 PRI Clear (EC: OSLEC - INACTIVE)  
18 PRI Clear (EC: OSLEC - INACTIVE)  
19 PRI Clear (EC: OSLEC - INACTIVE)  
20 PRI Clear (EC: OSLEC - INACTIVE)  
21 PRI Clear (EC: OSLEC - INACTIVE)  
22 PRI Clear (EC: OSLEC - INACTIVE)  
23 PRI Clear (EC: OSLEC - INACTIVE)  
24 PRI Clear (EC: OSLEC - INACTIVE)  
25 PRI Clear (EC: OSLEC - INACTIVE)  
26 PRI Clear (EC: OSLEC - INACTIVE)  
27 PRI Clear (EC: OSLEC - INACTIVE)  
28 PRI Clear (EC: OSLEC - INACTIVE)  
29 PRI Clear (EC: OSLEC - INACTIVE)  
30 PRI Clear (EC: OSLEC - INACTIVE)  
31 PRI Clear (EC: OSLEC - INACTIVE)

### Span 2: TE4/0/2 "T4XXP (PCI) Card 0 Span 2" CCS/HDB3/CRC4

32 PRI Clear (EC: OSLEC - INACTIVE)  
33 PRI Clear (EC: OSLEC - INACTIVE)  
34 PRI Clear (EC: OSLEC - INACTIVE)

35 PRI Clear (EC: OSLEC - INACTIVE)  
36 PRI Clear (EC: OSLEC - INACTIVE)  
37 PRI Clear (EC: OSLEC - INACTIVE)  
38 PRI Clear (EC: OSLEC - INACTIVE)  
39 PRI Clear (EC: OSLEC - INACTIVE)  
40 PRI Clear (EC: OSLEC - INACTIVE)  
41 PRI Clear (EC: OSLEC - INACTIVE)  
42 PRI Clear (EC: OSLEC - INACTIVE)  
43 PRI Clear (EC: OSLEC - INACTIVE)  
44 PRI Clear (EC: OSLEC - INACTIVE)  
45 PRI Clear (EC: OSLEC - INACTIVE)  
46 PRI Clear (EC: OSLEC - INACTIVE)  
47 PRI HDLCFCS  
48 PRI Clear (EC: OSLEC - INACTIVE)  
49 PRI Clear (EC: OSLEC - INACTIVE)  
50 PRI Clear (EC: OSLEC - INACTIVE)  
51 PRI Clear (EC: OSLEC - INACTIVE)  
52 PRI Clear (EC: OSLEC - INACTIVE)  
53 PRI Clear (EC: OSLEC - INACTIVE)  
54 PRI Clear (EC: OSLEC - INACTIVE)  
55 PRI Clear (EC: OSLEC - INACTIVE)  
56 PRI Clear (EC: OSLEC - INACTIVE)  
57 PRI Clear (EC: OSLEC - INACTIVE)  
58 PRI Clear (EC: OSLEC - INACTIVE)  
59 PRI Clear (EC: OSLEC - INACTIVE)  
60 PRI Clear (EC: OSLEC - INACTIVE)  
61 PRI Clear (EC: OSLEC - INACTIVE)  
62 PRI Clear (EC: OSLEC - INACTIVE)  
### Span 3: TE4/0/3 "T4XXP (PCI) Card 0 Span 3" CCS/HDB3/CRC4  
63 PRI Clear (EC: OSLEC - INACTIVE)  
64 PRI Clear (EC: OSLEC - INACTIVE)  
65 PRI Clear (EC: OSLEC - INACTIVE)  
66 PRI Clear (EC: OSLEC - INACTIVE)  
67 PRI Clear (EC: OSLEC - INACTIVE)  
68 PRI Clear (EC: OSLEC - INACTIVE)  
69 PRI Clear (EC: OSLEC - INACTIVE)  
70 PRI Clear (EC: OSLEC - INACTIVE)  
71 PRI Clear (EC: OSLEC - INACTIVE)  
72 PRI Clear (EC: OSLEC - INACTIVE)  
73 PRI Clear (EC: OSLEC - INACTIVE)  
74 PRI Clear (EC: OSLEC - INACTIVE)  
75 PRI Clear (EC: OSLEC - INACTIVE)  
76 PRI Clear (EC: OSLEC - INACTIVE)  
77 PRI Clear (EC: OSLEC - INACTIVE)

78 PRI HDLCFCS  
 79 PRI Clear (EC: OSLEC - INACTIVE)  
 80 PRI Clear (EC: OSLEC - INACTIVE)  
 81 PRI Clear (EC: OSLEC - INACTIVE)  
 82 PRI Clear (EC: OSLEC - INACTIVE)  
 83 PRI Clear (EC: OSLEC - INACTIVE)  
 84 PRI Clear (EC: OSLEC - INACTIVE)  
 85 PRI Clear (EC: OSLEC - INACTIVE)  
 86 PRI Clear (EC: OSLEC - INACTIVE)  
 87 PRI Clear (EC: OSLEC - INACTIVE)  
 88 PRI Clear (EC: OSLEC - INACTIVE)  
 89 PRI Clear (EC: OSLEC - INACTIVE)  
 90 PRI Clear (EC: OSLEC - INACTIVE)  
 91 PRI Clear (EC: OSLEC - INACTIVE)  
 92 PRI Clear (EC: OSLEC - INACTIVE)  
 93 PRI Clear (EC: OSLEC - INACTIVE)

### Span 4: TE4/0/4 "T4XXP (PCI) Card 0 Span 4" CCS/HDB3/CRC4

94 PRI Clear (EC: OSLEC - INACTIVE)  
 95 PRI Clear (EC: OSLEC - INACTIVE)  
 96 PRI Clear (EC: OSLEC - INACTIVE)  
 97 PRI Clear (EC: OSLEC - INACTIVE)  
 98 PRI Clear (EC: OSLEC - INACTIVE)  
 99 PRI Clear (EC: OSLEC - INACTIVE)  
 100 PRI Clear (EC: OSLEC - INACTIVE)  
 101 PRI Clear (EC: OSLEC - INACTIVE)  
 102 PRI Clear (EC: OSLEC - INACTIVE)  
 103 PRI Clear (EC: OSLEC - INACTIVE)  
 104 PRI Clear (EC: OSLEC - INACTIVE)  
 105 PRI Clear (EC: OSLEC - INACTIVE)  
 106 PRI Clear (EC: OSLEC - INACTIVE)  
 107 PRI Clear (EC: OSLEC - INACTIVE)  
 108 PRI Clear (EC: OSLEC - INACTIVE)  
 109 PRI HDLCFCS  
 110 PRI Clear (EC: OSLEC - INACTIVE)  
 111 PRI Clear (EC: OSLEC - INACTIVE)  
 112 PRI Clear (EC: OSLEC - INACTIVE)  
 113 PRI Clear (EC: OSLEC - INACTIVE)  
 114 PRI Clear (EC: OSLEC - INACTIVE)  
 115 PRI Clear (EC: OSLEC - INACTIVE)  
 116 PRI Clear (EC: OSLEC - INACTIVE)  
 117 PRI Clear (EC: OSLEC - INACTIVE)  
 118 PRI Clear (EC: OSLEC - INACTIVE)  
 119 PRI Clear (EC: OSLEC - INACTIVE)  
 120 PRI Clear (EC: OSLEC - INACTIVE)

121 PRI Clear (EC: OSLEC - INACTIVE)  
122 PRI Clear (EC: OSLEC - INACTIVE)  
123 PRI Clear (EC: OSLEC - INACTIVE)  
124 PRI Clear (EC: OSLEC - INACTIVE)

[root@freepbx ~]# vi /etc/asterisk/dahdi-channels.conf

; Span 1: TE4/0/1 "T4XXP (PCI) Card 0 Span 1" (MASTER) CCS/HDB3/CRC4 ClockSource  
group=0,11

context=from-pstn

switchtype = euroisdn

signalling = pri\_cpe

channel => 1-15,17-31

context = default

group = 63

; Span 2: TE4/0/2 "T4XXP (PCI) Card 0 Span 2" CCS/HDB3/CRC4

group=0,12

context=from-pstn

switchtype = euroisdn

signalling = pri\_cpe

channel => 32-46,48-62

context = default

group = 63

; Span 3: TE4/0/3 "T4XXP (PCI) Card 0 Span 3" CCS/HDB3/CRC4

group=0,13

context=from-pstn

switchtype = euroisdn

signalling = pri\_cpe

channel => 63-77,79-93

context = default

group = 63

; Span 4: TE4/0/4 "T4XXP (PCI) Card 0 Span 4" CCS/HDB3/CRC4

group=0,14

context=from-pstn

switchtype = euroisdn

signalling = pri\_cpe

channel => 94-108,110-124

context = default

[root@freepbx ~]# dahdi\_test

Opened pseudo dahdi interface, measuring accuracy...

99.999% 99.996% 99.998% 99.999% 99.999% 99.999% 99.999% 100.000%  
99.997% 99.997% 99.999% 99.999% 99.999% 99.999% 99.999% 99.999%  
99.998% 99.999% 99.997% 99.999% 99.999% 99.999% 99.999% 100.000%

ROBY TECH