Dial-peer Hunting Function for SIP Signaling Protocol

Category	S/W Release Version	Date
General	8.00	Apr. 2004

Function Description

In case of Internet instability and C.A (Call Agent) failure, the gateway automatically switches the VoIP call to PSTN or the pre-assigned SIP Gateway. This is same as the H.323 dial-peer hunting feature and no new commands are added.

[Configuration example]

```
!
dial-peer voice 10 pots
destination-pattern 1234
port 1/0          → FXO port
preference 1
hunt-stop
!
dial-peer voice 1000 voip
destination-pattern 1234
session target sip-server
session protocol sip
dtmf-relay rtp-2833
```

[Operation]

- The user hooks-off and dials "1234."
- The gateway searches for the matching number at the dial-peer.
- The dial-peer 1000(voip peer) and dial-peer 10 (pots peer) are matched.
- The gateway initiates the call with dial-peer 1000 to the SIP proxy server.
- The dial-peer 1000 is selected according to the default hunting rule; "ongest-match→preference→random. "
- If the SIP Server is unregistered or the VoIP interface is down, this call is connect to the port 1/0, the peer destination of the dial-peer 10. If the port 1/0 is a FXO port connected to a PSTN line, this scenario is PSTN backup.

- If the dial-peer 10 is configured as shown below, the destination is the other SIP gateway.

      dial-peer voice 10 voip

              destination-pattern 1234

              session target 172.17.1.100

              session protocol sip

              dtmf-relay rtp-2833

              preference 1

              hunt-stop

              !

- The preference default value is "0" and it is not displayed with the command, "show running-config." "0" is the highest priority.

- "Hunt-stop" command stops the hunting at the dial-peer 10 even though there is a matched dial-peer.

Related Commands

Dial-peer hunting algorithm Change

      (config)# dial-peer hunt ?

      <0 - 7> Dial-peer hunting choice :

      0 : longest - preference - random

      1 : longest - preference - sequential

      2 : preference - longest - random

      3 : preference - longest - sequential

      4 : sequential - longest - preference

      5 : sequential - preference - longest

      6 : random

      7 : sequential

      Default: 0

Preference order Change

      (config-dialpeer-voip-1000)# preference ?

      <0 - 9>   preference order

      Default: 0