

知 Typical Configuration Of Polling DCC (Standard DDR)

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[Networking diagram]



[Configuration script]

Called side configuration script

```
#
dialer-rule 1 ip permit //Configure dialing ACL
#
local-user test //Configure dialing account
password simple test
service-type ppp
#
domain system
access-limit disable
state active
accounting optional
ip pool 1 192.168.1.2 192.168.1.10 //Address pool allocated to the dialing user
#
local-user usera //Configure local PPP account and password
password simple passwd
service-type ppp
#
interface Aux0
async mode protocol //Change async mode to protocol
link-protocol ppp
dialer enable-circular //Enable polling DCC
dialer-group 1 //Apply the dialing ACL
dialer circular-group 0 //Add the interface to Dialer Circular Group0
#
interface Dialer0
link-protocol ppp
ppp authentication-mode pap
ip address 192.168.1.1 255.255.255.0
dialer enable-circular //Enable polling DCC
dialer-group 1 //Apply the dialing ACL
remote address pool 1 //Allocate address to the dialing user from pool 1
#
user-interface aux 0
modem both //Permit the modem to make and receive calls concurrently
speed 57600 //Set the baud rate to 57600bps/
#
```

Caller side configuration script

```
#
dialer-rule 1 ip permit //Configure dialing ACL
#
interface Aux0
async mode protocol
link-protocol ppp
dialer enable-circular //Enable polling DCC/
dialer-group 1 //Apply the dialing ACL
dialer circular-group 0 //Add the interface to Dialer Circular Group0
#
interface Dialer0
link-protocol ppp
ppp pap local-user usera password simple passwd
//Send account and password to the authenticator
ip address ppp-negotiate
//Set the local acquiring address through PPP negotiation
dialer enable-circular //Enable polling DCC
dialer-group 1 //Apply the dialing ACL
dialer number 1234 //Specify the dialing number
#
ip route-static 0.0.0.0 0.0.0.0 Dialer 0 preference 60
//Configure default route
#
user-interface aux 0
modem both //Permit the modem to make and receive calls concurrently
speed 57600 //Set the baud rate to 57600bps
#
```

[Tip]

1. If the router at the called side uses the IP address of the Ethernet interface, you need to change ip address 192.168.1.1 255.255.255.0 in the dialer0 interface view to ip address unnumbered interface Ethernet0/0, and enable arp-proxy on the Ethernet interface.

2. The preceding is the dialing configuration through the dialer interface instead of the physical port configuration. It saves a lot of work loads because where there are many physical ports, such as 12am interfaces, every physical port needs to be configured. Therefore, the configuration through the dialer interface is strongly preferred for the sake of alleviating the initial configuration or the subsequent maintenance.

3. Only 50 local-users can be configured.

4. The caller side can be the dialing network of PC.

5. In the user-interface view, **it is strongly suggested that** you configure the **modem auto-answer** command in accordance with the current reply state of the external modem connected to the router.

In the case that the modem is in the automatic reply state (**the AA indicator of the modem is on**), configure the **modem auto-answer** command (to prevent the router sending another reply command after the modem automatically replies);

In the case that the modem is in the other states, configure the **undo modem auto-answer** command.