Typical Configuration Of CHAP Unidirectional Authentication on AR28、AR 46 Series Routers

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[Requirements]

RouterB needs to authenticate the account and password sent from RouterA through CHAP, and line protocol will not be up until the authentication succeeds.

RouterA does not need to authenticate RouterB.

[Networking diagram]



Configuration script (RouterA)

[Configuration script]

```
sysname RouterA
radius scheme system
domain system
local-user rtb
                   /Create a local account for authentication/
password simple hello /Set a password for the account/
service-type ppp
                  /Set the service type to PPP/
interface Serial2/0/0
link-protocol ppp
ppp chap user rta
                     /CHAP authentication account/
ip address 10.1.1.1 255.255.255.0
interface NULL0
user-interface con 0
user-interface vty 0 4
return
                        Configuration script (RouterB)
sysname RouterB
radius scheme system
domain system
                   /Create a local account for authentication/
local-user rta
password simple hello /Set a password for the account/
                    /Set the service type to PPP/
service-type ppp
interface Serial2/0/0
link-protocol ppp
ppp authentication-mode chap /Enable CHAP authentication/
                         /CHAP authentication account/
ppp chap user rtb
```

[Verification]

return

interface NULL0 # user-interface con 0 user-interface vty 0 4

ip address 10.1.1.2 255.255.255.0

Execute the **disp int s 3/0/0** command, and see that both the physical layer and the link layer of the interface are up and PPP LCP and IPCP are opened, indicating that the link PPP negotiation has succeeded and both the routers can successfully ping the peer IP address.