# Typical Configuration Of CHAP Unidirectional Authentication on AR28、AR46 Series Routers

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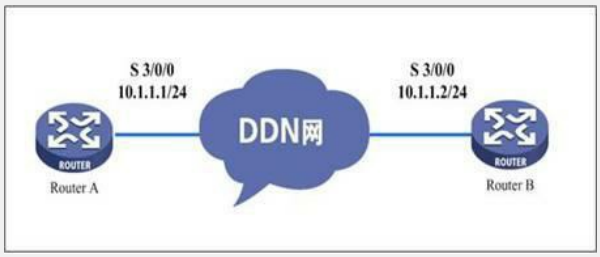
**Typical Configuration Of CHAP Unidirectional Authentication on AR28、AR46 Series Routers**

**[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]**

**Configuration script (RouterA)**

```
#
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
#
local-user rta            /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 authentication-mode chap     /Enable CHAP authentication/
ppp chap user rtb                /CHAP authentication account/
ip address 10.1.1.2 255.255.255.0
#
interface NULL0
#
user-interface con 0
user-interface vty 0 4
#
return
```

**[Verification]**

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.