

知 Typical Configuration Of PAP Bidirectional Authentication on AR28、AR46 Series Routers

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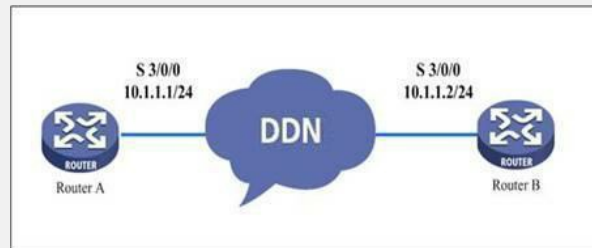
Typical Configuration Of PAP Bidirectional Authentication on AR28、AR46 Series Routers

[Requirements]

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

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

[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 rtb     /Set a password for the account/
service-type ppp       /Set the service type to PPP/
#
interface Serial3/0/0
link-protocol ppp
ppp authentication-mode pap
ppp pap local-user rta password simple rta /User name and password sent to the peer/
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 rta     /Set a password for the account/
service-type ppp       /Set the service type to PPP/
#
interface Serial3/0/0
link-protocol ppp
ppp authentication-mode pap /Enable PAP authentication/
ppp pap local-user rtb password simple rtb /User name and password sent to the peer/
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.

```
disp int s 2/0/0
Serial2/0/0 current state :UP
Line protocol current state :UP
Description : Serial2/0/0 Interface
The Maximum Transmit Unit is 1500, Hold timer is 10(sec)
Internet Address is 10.1.1.2/24
Link layer protocol is PPP
LCP opened, IPCP opened, OSICP opened
Output queue : (Urgent queuing : Size/Length/Discards) 0/50/0
Output queue : (Protocol queuing : Size/Length/Discards) 0/500/0
Output queue : (FIFO queuing : Size/Length/Discards) 0/75/0
Interface is V35
    321 packets input, 4970 bytes
325 packets output, 5046 bytes
```

[Tip]

1. It is suggested that you configure authentication after the two routers can successfully ping each other for the convenience of fault location.
2. The **ppp authentication-mode pap** command indicates to apply PPP authentication to the peer.