

PPPoE Bridge Function

Category	S/W Release Version	Date
General	8.10	June. 2004

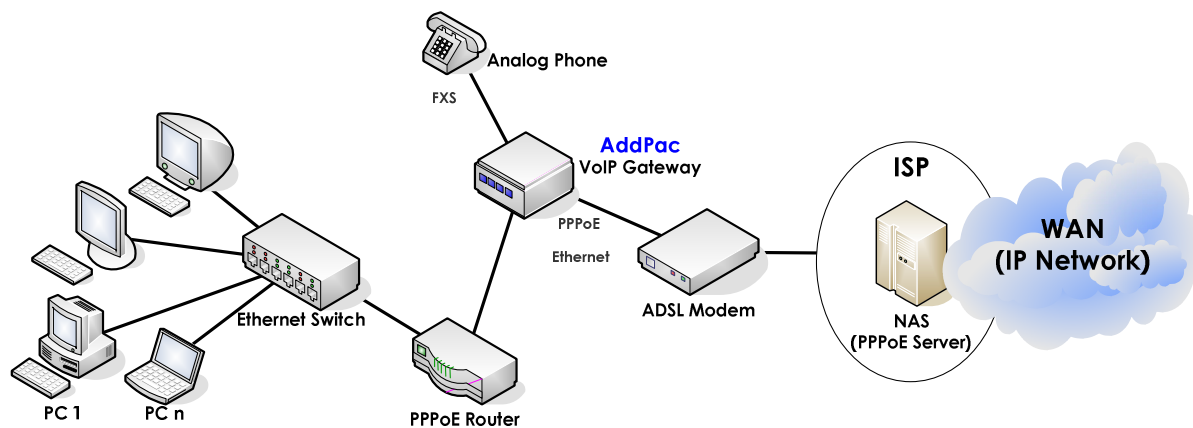
It supports Transparent Bridge mode for PPPoE.

As shown below figure, the VoIP gateway is a transmission path for the PPPoE client PCs or a PPPoE router behind the LAN switch. These clients establish independent PPPoE session with NAS server via WAN interface of the gateway. Also, the gateway establishes a separate PPPoE session with NAS.

By applying QoS on the WAN interface, the gateway controls priority and bandwidth for the traffic coming from its LAN interface to the WAN interface.

AddPac's all VoIP products supports the feature and it can be enabled/disabled by configuration.

Network Diagram



[PPPoE Bridge Feature]

APOS Command Script

```
!  
no ip routing  
!  
no bridge spanning-tree  
!  
!  
no ip-share enable  
ip-share interface net-side ether0.0  
ip-share interface local-side ether1.0  
!  
interface ether0.0  
  no ip address  
  encapsulation pppoe  
  ppp authentication pap callin  
  ppp pap sent-username <username> password <password>  
  ppp echo interval 60  
  ppp ipcp ms-dns  
  ppp ipcp default-route  
  qos-control  
  line-ctrl promiscuous  
  bridge  
!  
interface ether1.0  
  no ip address  
  line-ctrl promiscuous  
  bridge  
!
```

Commands & Syntax

Configure below parameters to connect Internet via ISP(Internet Service Provider).

- ID: “AddPac”
- Password: “1234”
- get DNS IP (option)
- get default-router IP (option)

Step	Command	Remark
1	# # config Enter configuration commands, one per line. End with CNTL/Z	Enter APOS Configuration Mode.
2	(config)# no ip routing	Disable IP routing.
3	(config)# no bridge spanning-tree	Disable BPDU exchange.
4	(config-ether0.0)# interface ether0.0 (config-ether0.0)#	Enter Ethernet Interface Configuration Mode.
5	(config-ether0.0)# encapsulation pppoe	Set PPPoE.
6	(config-ether0.0)# ppp authentication pap callin	Set PAP authentication.
7	(config-ether0.0)# ppp pap sent-username addpac password 1234	Set the ID and Password for PAP authentication.
8	(config-ether0.0)# ppp ipcp ms-dns	Receive the DNS IP address from PPP server.
9	(config-ether0.0)# ppp ipcp default-route	Receive the default router's IP address from PPP server.
10	(config-ether0.0)# qos-control	Set QoS.
11	(config-ether0.0)# bridge	Enable Bridge mode.
12	(config-ether0.0)# interface ether1.0 (config-ether1.0)#	Enter Ethernet Interface (1.0) Configuration Mode.
13	(config-ether1.0)# no ip address	Disable IP routing.
14	(config-ether1.0)# bridge	Enable bridge mode.
15	(config-ether1.0)# exit (config)#	Exit from Ethernet Interface (1.0) Configuration Mode.