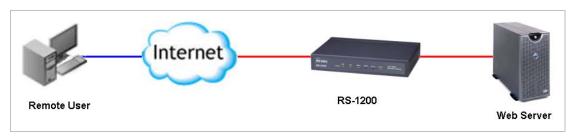
## How to configure PAT (Port Address Translation) function at RS Gateway

## **Environment:**



- 1. The default port of Web Server is set to TCP 8080
- 2. Remote user accesses website by using TCP 80
- 3. RS-1200 works to translate the packets between TCP 8080 and TCP 80

## **Preparation:**

1. Assign DDNS domain name to RS-1200, so the remote user can type domain name instead of typing IP address in this example. The DDNS domain name is "**airlive15.dyndns.org**".

Add New Dynamic DNS					
Service Provider :	DynDNS (www.dyndns.com) [ U.S.A. ] 🛛 Y Sign up				
WAN IP:	61.229.42.105 VAN1 V				
User Name :	jackyko (Max. 59 characters)				
Password :	•••••• (Max. 44 characters)				
Domain Name:	airlive15 dyndns.org 💙 (Max. 34 characters)				

 By default, the RS-1200 remote management port is TCP 80. If user would like to forward TCP 80 port to internal server, and also want to manage RS-1200 from remote side, he has to change remote port number of RS-1200 in System → Configure → Setting. For example, the remote management port number change to TCP 1234.

Web Management (WAN Interface)	
HTTP Port	1234 (Range: 1 - 65535 )
MTU Setting	
мти	1500 Bytes ( Range: 40 - 1500 )

3. Configure Web Server and change its default port number as TCP 8080.

Abyss Web Server	Console			
Abyss Web Server Console	!			Help
	Host	Status		
Hosts 📀:	Default Host On Port	8080 Running Stop	Configure	
			Add	
8			?	
Server	Console	Server Statistics	Help and Support	About Abyss Web
Configuration	Configuration			Server

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Address 🧑 http://127.0.0.1:8080/	.inks »
Welcome to Abyss Web Server	~
Abyss Web Server is running correctly on your system. You should now change this page with yours.	
Please include in your web pages (at least the first) the <b>'Powered by Abyss Web Server'</b> banner to promote the use of the software.	•
Abyss Web Server - Copyright @ 2001-2007 <u>Aprelium Technologies</u> - All rights reserved Powered by <u>Abyss</u> <u>Web Server</u>	Y
E Internet	

4. Now we can start to configure RS-1200 PAT function.

## **RS-1200 Configuration steps:**

 Policy Object → Service → Custom: Add a new service TCP 8080 for PAT function. While you configure Custom setting, please do not change Client Port setting, just leave it as default value.

Add (	Add User Defined Service				
Service NAME :		PAT_Address (Max. 16 characters)			
#	Protocol ( Range: 1 - 255 )	Client Port ( Ra	ange: 0 - 65535 )	Server Port ( Range: 0 - 65535 )	
1	⊙ TCP ○ UDP ○ Other 6	0	65535	8080 8080	
2	● TCP ● UDP ● Other 0	0	0	0 : 0	
3	● TCP ● UDP ● Other 0	0	: 0	0 : 0	

 Policy Object → Virtual Server → Server1: Click "Click here to configure" to configure Virtual Server Real IP setting. Then press "New Entry" to define virtual server rule.

Virtual Server Real IP Click here to c	onfigure					
Service	WAN Port	Server Virtual IP	Configure			
Add New Virtual Server IP						
Virtual Server Real IP	01.229.43.27 WA	N1 💙 <u>Assist</u>				
	_					
Virtual Server Real IP 61.229.43.27						
Service	WAN Port	Server Virtual IP	Configure			
	New Entry					

 Choose the custom service we just created at Service item, and change the External Service Port value to 80, then to define the server IP address. Click OK to save the setting.

/irtual Server Configuration					
Virtual Server Real IP					
Service	(Custom Service)PAT_Address 🗸				
External Service Port	80 (Range: 0 - 65535 )				
Load Balance Server	Server Virtual IP				
1	192.168.1.2				
2					

4. Policy → Incoming: Click "New Entry" to create a new Incoming Policy, RS-1200 system will import Virtual Server setting to Incoming Policy automatically. You can enable Traffic Log, QoS, or else function for this rule, or just leave the rule as default and click OK to save the setting.

Source	Destination	S	ervice	Action	Option	Configure	Move
			No	w Entry			
			NG	W EIILFY			
Add New Polic	y						
Source Address		Outside_Any	/ 🌱				
Destination Addr	ess	Virtual Serve	er 1(61.22	9.43.27) 💙			
Service		PAT_Addres	s(80) 🗸				
Schedule		None 🗸					
Tunnel		None 🗸					
Action		PERMIT	~				
Traffic Log		Enable					
Statistics		Enable					
QoS		None 🗸					
MAX. Bandwidth	Per Source IP		0	Kbps Upst	ream 0	Kbps ( 0: means un	limited)
MAX. Concurren	t Sessions Per IP	0 (	Range: 1 -	99999, 0: me	ans unlimited)		
MAX. Concurren	t Sessions	0 (	Range: 1	- 99999, 0: me	ans unlimited)		
NAT		Enable					

5. Remote user connects to web server by using TCP 80.

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Address 🗃 http://airlive15.dyndns.org/	🔽 🄁 Go 🛛 Links			
Welcome to Abyss Web Se	erver			
Abyss Web Server is running correctly on your system. You should no	now change this page with yours.			
Please include in your web pages (at least the first) the <b>'Powered by Abyss Web Server'</b> banner to promote the use of the software.				
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E Done	🥝 Internet			