How to configure the Port Forward feature on RS series

For some reason users want to allow Internet user to access intranet device, but it often happens to configure the wrong setting is RS series gateway. Following procedure will teach user how to configure the correct setting.

The most possible error should be the Custom Service setting, For example, users would like to redirect TCP 3389 from Internet to LAN device. So he might think to redirect TCP 3389 only from **Client Port** to **Server Port** in RS series device's configuration. So, he will configure it as following display:

Air Liv	e Policy	Object > Service > Custom			0 💮	Cond	
System Interface Policy Object	Modify U Service N	ser Defined Service AME :	TS	(Max. 16 char	acters)		
🖬 Address	#	Protocol (Range: 1 - 255)	Client Port (F	Range 0-65535)	Server Port (Range: 0 - 6(535)
a Service	61	💿 TCP 🕥 UDP 🔘 Other <mark>6</mark>	3389	3389	3389	3389]
Pre-defined	2	🔿 TCP 🕥 UDP 💿 other 🛛	0	0	0	0	
	3	🔿 TGP 💿 UDP 💿 Other 🗖	0	0	0	0	1
L♦ Group		🔿 TCP 🕥 UDP 💿 Other 🛛	0	0	0	0	
🖬 Schedule	- 5		0	0	0	0	1
Authentication	6		0	0	0	0	
🖬 Content Blocking	7		0	0	0	0	
HM / P2P Blocking	8		0	0	0	0	
d Virtual Server	85° 36		1: 0.				<u>-</u>
■ VPN ■ Policy ■ Anomaly Flow IP ■ Monitor				Ą	E	OK C	incel

But this setting is wrong. User should define the specific port number in **Server Port**, but he cannot also configure it at **Client Port**. Because **Client Port** indicates the initial packet's port number from client side PC, but the port number will be given by random, so it is possible to be given any port number during the port range $0 \sim 65535$.

So, user should define the **Client Port** as $0 \sim 65535$, it is also the default setting for **Custom Service**.

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iterface	Modify U	ser Defined Service	TS	24- 10-1		
olicy Object	#	Protocol (Range: 1 - 255)	Client Bort	(Max. 16 chara	Server Port (Range 0 - 855
Bervice	51	• TCP • IDP • Criter 6	0	65535	3389	3389
Pre-defined	2		0	0	0	0
Custom	3		0.	0	0	0
♦ Group	4		0	0	0	0
	-	• TCP • UDP • Other •	0	0	0	0
	6		0	0	0	0
	7		0	0	0	0
	8		0	0	0	0
	S	- Zelan ist on seathering	10 St.			

Next step user should configure **Virtual Server** to redirect this port to a specific IP address.

When he chooses the **Custom Service**, system will automatically import the port number to next column, now user only needs to specify the IP address of internal LAN device.

Airling	0			A (A (A)
	Policy Object > Virtual Server > Server	1		CA VI-QZ
System				
Interface	Virtual Server Configuration			
Policy Object	Virtual Server Real IP	192.168.100.1		
# Address	Service	(Custom Service)TS	~	
E Service	External Service Port	3389	(Range: 0 - 65535)	
Schedule	Load Balance Server			
1 009			192.168.1.10	
Authentication	2			
🖬 Content Blocking	a.			
🖬 IM / P2P Blocking				
Server	1274			
🛶 Mapped IP				OK Cone
				UN I Udito
- In Server 2				
_⇔ Server 3				
L Server 4				
≝ VPN				

The last step is to enable the rule at **Incoming Policy**. When user configures **Virtual Server** ready, the profile will be imported to **Incoming Policy** automatically as soon as user creates the new entry of **Incoming Policy**.

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Air Live	● Policy > Incoming	
¥ System ≝ Interface	Comment :	(Max. 32 characters)
Policy Object Policy	Source Addréss	Outside_Any 🔽
	Destination Address	Virtual Server 1(192.168.100.1)
-+ Incoming	Service	TS(3389) 🗸
- 🕈 WAN To DMZ	Schedule	None 💌
-⇒ LAN To DMZ	Tunnel.	None 🛩
-* DMZ To WAN	Action	PERMIT N
-> DMZ To LAN	Traffic Log	Enable
TAnomaly Flow IP	Statistics	Enable
	ens.	None 🖤
	MAX. Bandwildth Per Source IP	Downstream 0 Kops Upstream 0 Kops (0: means unlimited)
	MAX. Concurrent Sessions Per IP	0 (Range: 1 - 99999, 0: means unlimited)
	MAX. Concurrent Sessions	0 (Range: 1 - 99999, 0: means unlimited)
	NAT	Enable

Click OK to finish the entire configuration, so Internet user can access the internal device with TCP 3389 port now.

