# RV130和RV130W的頻寬管理

#### 目標

頻寬是指在給定時間單位內,可以通過網路傳輸的資料量。頻寬管理是一種服務品質(QoS)功 能,可排定網路服務的優先順序並修改速率控制。「頻寬管理」設定允許您控制網路鏈路上的 流量、通訊和資料傳輸速率以提高網路效能。

本文檔的目的是向您展示如何在RV130和RV130W上配置頻寬管理設定。

## 適用裝置

· RV130

· RV130W

### 頻寬管理

步驟 1.登入到Web配置實用程式並選擇QoS > Bandwidth Management。將開啟Bandwidth Management頁面:

Bandwidth Manag	gement				
Setup					
Bandwidth Managemen	t: 🔲 Enable				
Bandwidth The Maximum Bandwidt	th provided by ISP				
Bandwidth Table					
Interface	Upstream (Kbit/Sec)	Downstream (Kbit/S	ec)		
Ethernet	10240	40960			
3G					
Bandwidth Priority	Table				
Enable Direction	Category Services	VLAN/SSID IP A	ddress Subnet Mas	k Priority Remarking D	SCP
No data to displa	у				
Add Row E	dit Delete	Service Manag	ement		
Save Cance	el				

步驟 2.在Setup部分下的Bandwidth Management欄位中,選中Enable覈取方塊以允許裝置管 理從LAN流到WAN的流量的頻寬。

Bandwidth Mar	nagement		
Setup Bandwidth Manager	ment: 🔽 Enable		
Bandwidth The Maximum Band	width provided by ISP		
Bandwidth Table	•		
Interface	Upstream (Kbit/Sec)	Downstream (Kbit/Sec)	
Ethernet	10240	40960	
3G			

注意:頻寬表顯示了可用的WAN介面,您可以針對這些介面修改裝置傳送和接收資料的速率。

步驟 3.在Upstream(Kbit/Sec)列中,輸入路由器為列出的每個可用介面傳送資料的速率。

Bandwidth Man	nagement	
Setup		
Bandwidth Manager	nent: 👿 Enable	
Bandwidth		
The Maximum Bandy	vidth provided by ISP	
Bandwidth Table		
Interface	Upstream (Kbit/Sec)	Downstream (Kbit/Sec)
Ethernet	10240	40960
3G		

步驟 4.在下游(Kbit/Sec)列中,輸入路由器為列出的每個可用介面接收資料的速率。

Bandwidth Ma	nagement		
Setup			
Bandwidth Manage	ment: 🔽 Enable		
Bandwidth The Maximum Band	width provided by ISP		
Bandwidth Table	e		
Interface	Upstream (Kbit/Sec)	Downstream (Kbit/Sec)	
Ethernet	10240	40960	
3G			

步驟 5.按一下「Save」以儲存變更。

新增服務優先順序

頻寬優先順序表用於為服務分配特定優先順序以管理其頻寬使用情況。

步驟 1.按一下Add Row,在Bandwidth Priority表中新增新的服務優先順序。

Bandwidth	Table								
Interface		Upstream	(Kbit/Sec)	Downstream	(Kbit/Sec)				
Ethernet		10240		40960					
3G									
		-		-					
Bandwidth	n Priority	Table							
Bandwidth	<b>Priority</b> Direction	Table Category	Services	VLAN/SSID	IP Address	Subnet Mask	Priority	Remarking	DSCP
Bandwidth Enable No dat	<b>Priority</b> Direction ta to displa	Table Category	Services	VLAN/SSID	IP Address	Subnet Mask	Priority	Remarking	DSCP
Bandwidth Enable No dat Add Row	Direction	Table Category ay Edit	Services	VLAN/SSID	IP Address Management	Subnet Mask	Priority	Remarking	DSCP
Bandwidth Enable No dat Add Row	Direction	Table Category By Edit	Services Delete	VLAN/SSID	IP Address Management	Subnet Mask	Priority	Remarking	DSCP

步驟 2.選中Enable 覈取方塊以啟用服務的頻寬管理。

Bandwidth	Bandwidth Table													
Interface			Upstream (Kbit/Sec)		Downstream (Kbit/Sec)									
Ethernet			10240		40960									
3G														
You must sav	ve before you	can edit or delete.												
	Enable	Direction	Category	Service	3	VLAN/SSID	IP Addres	s Subnet Mask	Priority	Remarking	DSCP			
		Outbound 👻	Service 🗸	All Traffic (All)	•	vlan1 👻			Low 🗸					
Add Row	Add Row Edt Delete Service Management													
Save	Cancel													

步驟 3.在「Direction」下拉選單中,選擇服務是傳送出站資料還是接收入站資料。

Interface Upstream (Kbit/Sec)						
Ethernet 10240						
3G						
ou must save before you can edi	it or delete					
ou must save before you can edi Bandwidth Priority Table	it or delete.					
ou must save before you can edi Bandwidth Priority Table Enable	it or delete.	Category				
ou must save before you can edi Bandwidth Priority Table Enable	Direction	Category Service +				
You must save before you can edi         Bandwidth Priority Table         Enable         Add Row         Edit	Direction Outbound - Outbound Inbound	Category Service -				
You must save before you can edi         Bandwidth Priority Table         Enable         Add Row         Edit	Direction Outbound V Outbound Inbound	Category Service -				

步驟 4.在「Category」下拉式清單中,選擇要為其設定頻寬優先順序的專案。

Bandwidth Table					
Interface	Ups	stream (Kbit/Se	c)	Downstrear	n (Kbit/Sec)
Ethernet	10	0240		40960	
3G					
(ou must save before ve	u opp odit or dole	ata			
∕ou must sa∨e before yo	u can edit or dele	ete.			
fou must save before yo Bandwidth Priority Ta	u can edit or dele	ete.			
You must save before yo Bandwidth Priority Ta Enable Direction	u can edit or dele able Category	ete.	Services		VLAN/SSID
You must save before yo Bandwidth Priority Ta Enable Direction	u can edit or dele able Category Service	ete.	Services		VLAN/SSID
You must save before yo         Bandwidth Priority Ta         Enable       Direction         Outbound          Add Row       Ed	Category Service	ete. All Traff	Services ic [All] vice Management		VLAN/SSID
You must save before yo         Bandwidth Priority Ta         Enable       Direction         Image: Comparison of the priority of the priorethe priority of the priority of the prioreth	Category Service VLAN/SSID Source IP	ete. All Traff Serv	Services ic [All] vice Management	<b>_</b>	VLAN/SSID

·服務 — 用於為特定型別的流量(即HTTP、DNS、FTP)設定頻寬優先順序。

· VLAN/SSID — 用於為特定VLAN/SSID上的所有流量設定頻寬優先順序。只有在第3步中選 擇Outbound for Direction 時,此選項才可用。如果選擇此選項,請跳至步驟6。

·源IP — 用於為特定源IP地址上的所有流量設定頻寬優先順序。只有在第3步中為Direction 選擇Inbound時,此選項才可用。如果選擇此選項,請跳至步驟7。

·目標IP — 用於為特定目標IP地址上的所有流量設定頻寬優先順序。只有在第3步中選擇 Outbound for Direction 時,此選項才可用。如果選擇此選項,請跳至步驟7。

步驟 5.如果您在步驟4中選擇了服務,請從服務下拉選單中選擇要區分優先順序的服務。完成 後,跳至步驟8。

Bandwidt	h Priority Table			
	Enable	Direction	Category	Services
	<b>V</b>	Outbound 🚽	Service 🚽	All Traffic [All]
Add Rov Save	Cancel	Delete Servi	ce Management	DNS [UDP/53~53] FTP [TCP/21~21] HTTP [TCP/80~80] HTTP Secondary [TCP/8080~8080] HTTPS [TCP/443~443] HTTPS Secondary [TCP/8443~8443] TFTP [UDP/69~69] MAP [TCP/143~143] NNTP [TCP/119~119] POP3 [TCP/110~110] SNMP [UDP/161~161] SMTP [TCP/25~25] TELNET [TCP/25~25] TELNET Secondary [TCP/8023~8023] TELNET SSL [TCP/992~992] Voice(SIP) [TCP & UDP/5060~5061]

步驟 6.如果您在步驟4中選擇VLAN/SSID,請從VLAN/SSID下拉選單中選擇要設定優先順序的VLAN或SSID,並跳到步驟8。否則,請跳過此步驟。

Bandwidth Table					
Interface	U	lpstream (Kbit/Sec)		Downstream (Kbit/Sec)	
Ethernet		10240		40960	
3G					
You must save before you can ee	dit or delete.				
Bandwidth Priority Table					$\frown$
Enable	Direction	Category	Service	S	VLAN/SSID
	Outbound 👻	VLAN/SSID 👻	All Traffic [All]	<b>*</b>	vlan1 🚽
Add Row Edit	Delete Service	Management			vlan1
Save Cancel					

步驟 7.如果您在步驟4中選擇了來源IP或目的地IP,請分別在IP位址和子網路遮罩欄位中輸入 您要設定優先順序的位址的IP位址和子網路遮罩。否則,請跳過此步驟。

Bandwidth Table						
Interface	I	Jpstream (Kbit/Sec)	Downstream (Kbit/Sec	:)		
Ethernet		10240	40960			
3G						
You must save before you can	edit or delete					
Bandwidth Priority Table						
Enable	Direction	Category	Services	VLAN/SSID	IP Address	Subnet Mask
	Outbound 👻	Destination IP 👻	All Traffic [All]	vlan1 🚽	192.0.2.0	255.255.255.0
Add Row Edit	Delete Service	e Management				
Save Cancel						
Save						

步驟 8.在「Priority」下拉選單中,選擇要分配給特定服務或IP的頻寬優先順序級別。更高的 優先順序將為服務或地址分配更多的頻寬。

Bandwidth Table							
Interface	Upstream (Kbit/Sec)		Downstream (Kbit/Sec)				
Ethernet	10240		40960				
3G							
You must save before you can edit or delete.							
Bandwidth Priority Table							
Enable Direction	Category	Service	es	VLAN/SSID	IP Address	Subnet Mask	Priority
Outbound -	Destination IP 👻	All Traffic [All]	-	vlan1 👻	192.0.2.0	255.255.255.0	Low
Add Row Edit Delete Servi	ce Management						Low Medium
							High
Save Cancel							

步驟 9.如果您在步驟3中選擇了Outbound,請勾選Remarking欄位中的覈取方塊,以在區分服 務代碼點(DSCP)上啟用重新標籤。否則,請跳至步驟11。啟用重新標籤會根據裝置的 DSCP隊列對映為整個LAN的網路流量提供優先順序。有關詳細資訊,請參閱<u>RV130和</u>

#### <u>RV130W上的DSCP設定</u>。

Bandwidth Table										
Interface I		Upstream (Kbit/Sec)		Downstream (Kbit/Sec)						
Ethernet		10240		40960						
3G										
Tou must save before you can edit or delete.										
Bandwidth Priority Table										
Enal	le Direction	Category	Service	IS	VLAN/SSID	IP Address	Subnet Mask	Priority	Remarking	DSCP
	Outbound 👻	Destination IP 👻	All Traffic [All]	~	vian1 👻	192.0.2.0	255.255.255.0	Low 👻		
Add Row Edit Delete Service Management										
Sava Car	cel									

步驟 10.如果您選擇在步驟9中啟用Remarking,請在DSCP欄位中輸入資料包的重標籤值。否 則,請跳過此步驟。

Bandwidth Table											
Interface		Upstream (Kbit/Sec)		Downstream (Kbit/Sec)							
Ethernet		10240		40960							
3G											
You must save before you can edit or delete.											
Bandwidth Priority Table											
Enable	Direction	Category	Services		VLAN/SSID	IP Address	Subnet Mask	Priority	Remarking	DSCP	
	Outbound 👻	Destination IP 👻	All Traffic [Al]		vian1 👻	192.0.2.0	255.255.255.0	Low -	<b>V</b>		
Add Row Edt Delete Service Management											
Save Cancel											

步驟 11.按一下Save儲存更改。

#### 關於此翻譯

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