

在RV042、RV042G和RV082 VPN路由器上使用少量的公共IP來分隔兩個LAN網路

目標

位於一個VLAN (埠1-7中的VLAN1 - 192.168.0.x) 中的主機不應與RV082另一個VLAN (VLAN8 - 192.168.0.26到埠8) 中的裝置通訊，同時VLAN1中的主機應比VLAN8中的客戶端具有更高的網際網路流量優先順序。出於安全原因，此處使用VLAN還用於劃分RV042、RV042G和RV082 VPN路由器上的LAN。下面列出了此過程中的各個部分：

- 基本LAN和WAN設定
- 如何新增一對一NAT (私有到公有地址)
- 為VLAN上的埠設定優先順序
- 管理特定VLAN的頻寬
- 如何選擇VLAN的埠狀態
- 如何檢查VLAN與

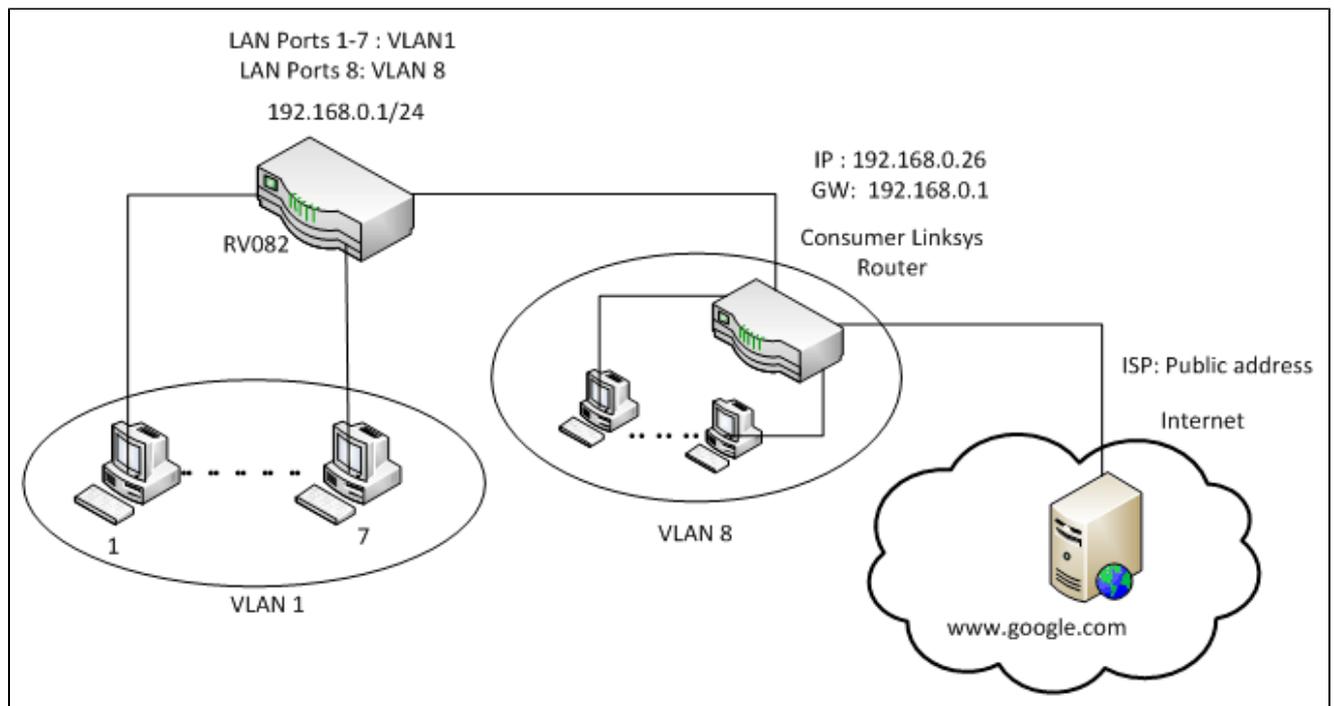
適用裝置

- RV042
- RV042G
- RV082
- 任何消費者Linksys路由器

軟體版本

拓撲

VPN路由器對WAN1介面使用一個公有IP，使用一些公有IP來使用一對一NAT，並說明如何將這些公有IP對映到LAN中的主機。



一對一NAT:

- 公有地址1 -> 192.168.0.1(RV082)
- 公有地址2 -> 192.168.0.26 (客戶路由器)
- 公有地址3 -> 192.168.0.100
- 公有地址4 -> 192.168.0.101
- 公有地址5-> 192.168.0.102

在消費者linksys路由器中：

- 埠1至7 - VLAN 1
- 埠8 - VLAN 8

在RV082上使用少量的公共IP分隔兩個LAN網路

基本LAN和WAN設定

本文是就上述拓撲所寫的。

步驟 1.使用網路配置實用程式選擇Setup > Network。Setup頁面隨即開啟：

The screenshot shows the 'Setup' page for a '10/100 8-port VPN Router' (RV082). The 'Network' tab is selected, and the 'LAN Setting' section is active. The 'Device IP Address' is set to 192.168.0.1 and the 'Subnet Mask' is set to 255.255.255.0. The 'WAN' section is also visible, with 'Static IP' selected. The 'Multiple Subnet Setting' section is currently disabled. The 'Host Name' and 'Domain Name' fields are also present.

Host Name: (Required by some ISPs)

Domain Name: (Required by some ISPs)

(MAC Address: 00-27-0d-2d-4e-b4)

Device IP Address: . . .

Subnet Mask:

Multiple Subnet Setting

Multiple Subnet

Dual-WAN / DMZ Setting

Dual WAN DMZ

WAN Connection Type

Static IP

Specify WAN IP Address: . . .

Subnet Mask: . . .

Default Gateway Address: . . .

DNS Server (Required) 1: . . .

2: . . .

MTU: Auto Manual bytes

SITEMAP

The Setup screen contains all of the router's basic setup functions. The device can be used in most network settings without changing any of the default values. Some users may need to enter additional information in order to connect to the Internet through an ISP (Internet Service Provider) or broadband (DSL, cable modem) carrier.

Host Name & Domain Name: Enter a host and domain name for the Router. Some ISPs (Internet Service Providers) may require these names as identification, and these settings can be obtained from your ISP. In most cases, leaving these fields blank will work.

LAN Setting: This is the Router's LAN IP Address and Subnet Mask. The default value is 192.168.1.1 for IP address and 255.255.255.0 for the Subnet Mask.

[More...](#)

步驟 2.在LAN Settings欄位中，輸入裝置IP地址為192.168.0.1，輸入子網掩碼為255.255.255.0。預設情況下，IP地址為192.168.1.1。

10/100 8-port VPN Router RV082

Setup

System Summary Setup DHCP System Management Port Management Firewall ProtectLink VPN Log Wizard Support Logout

Network Password Time DMZ Host Forwarding UPnP One-to-One NAT More...>>

Network

LAN Setting

Host Name: (Required by some ISPs)

Domain Name: (Required by some ISPs)

(MAC Address: 00-27-0d-2d-4e-b4)

Device IP Address Subnet Mask

Multiple Subnet Setting

Multiple Subnet

Dual-WAN / DMZ Setting

Dual WAN DMZ

WAN Connection Type

WAN1

Specify WAN IP Address:

Subnet Mask:

Default Gateway Address:

DNS Server (Required) 1:

2:

MTU: Auto Manual bytes

SITEMAP

The Setup screen contains all of the router's basic setup functions. The device can be used in most network settings without changing any of the default values. Some users may need to enter additional information in order to connect to the Internet through an ISP (Internet Service Provider) or broadband (DSL, cable modem) carrier.

Host Name & Domain Name: Enter a host and domain name for the Router. Some ISPs (Internet Service Providers) may require these names as identification, and these settings can be obtained from your ISP. In most cases, leaving these fields blank will work.

LAN Setting: This is the Router's LAN IP Address and Subnet Mask. The default value is 192.168.1.1 for IP address and 255.255.255.0 for the Subnet Mask.

More...

步驟 3.在WAN連線型別中，對於WAN1下拉選單，選擇靜態IP。

The screenshot shows the 'Setup' page for a 10/100 8-port VPN Router (RV082). The 'WAN' section is active, showing the following configuration:

- Host Name: (Empty)
- Domain Name: linkays.com
- Device IP Address: 192.168.0.1
- Subnet Mask: 255.255.255.0
- Multiple Subnet Setting: Multiple Subnet
- WAN Connection Type: Static IP
- Specify WAN IP Address (highlighted in red):
 - Subnet Mask: (Empty)
 - Default Gateway Address: (Empty)
 - DNS Server (Required) 1: (Empty)
 - DNS Server (Required) 2: (Empty)
- MTU: Auto Manual 1500 bytes

步驟 4.在指定WAN IP地址欄位中，輸入公有地址1。

步驟 5.在子網掩碼欄位中輸入公有地址1的相關子網掩碼。

步驟 6.在Default Gateway Address欄位中，輸入公有地址1的預設網關。

步驟 7.在DNS伺服器 (必需) 中輸入第一個DNS IP地址。

步驟 8.在2欄位中輸入第二個DNS IP地址。

步驟 9.按一下Save Settings儲存更改。

10/100 8-port VPN Router RV082

System Summary

System Summary | Setup | DHCP | System Management | Port Management | Firewall | ProtectLink | VPN | Log | Wizard | Support | Logout

System Information

Serial Number : AEZ28J900806 Firmware version : 2.0.0.19-tm (Feb 20 2009 15:15:20)
 CPU : Intel DP425-533 DRAM : 32M Flash : 16M
 System up time : 0 Days 23 Hours 44 Minutes 49 Seconds (Now: Fri Mar 5 2010 07:20:16)

Configuration

If you need guideline to re-configure the router, you may launch wizard. [Setup Wizard](#)

Port Statistics



Network Setting Status

<u>LAN IP:</u>	192.168.0.1
<u>WAN IP:</u>	192.168.0.1
<u>DMZ IP:</u>	---
<u>Mode:</u>	Gateway
<u>DNS:</u>	192.168.0.1 192.168.0.1
<u>DDNS:</u>	Off
<u>DMZ Host:</u>	Disabled

SITEMAP

The System Summary screen displays the router's current status and settings. This information is read only. If you click the button with underline, it will hyperlink to related setup pages. On the right side of the screen and all other screens in the Utility will be a link to the Site Map, which has links to all of the Utility's tabs.

Serial Number: The serial number of the RV082 unit.

System up time: The length of time in Days, Hours, and Minutes that the RV082 is active.

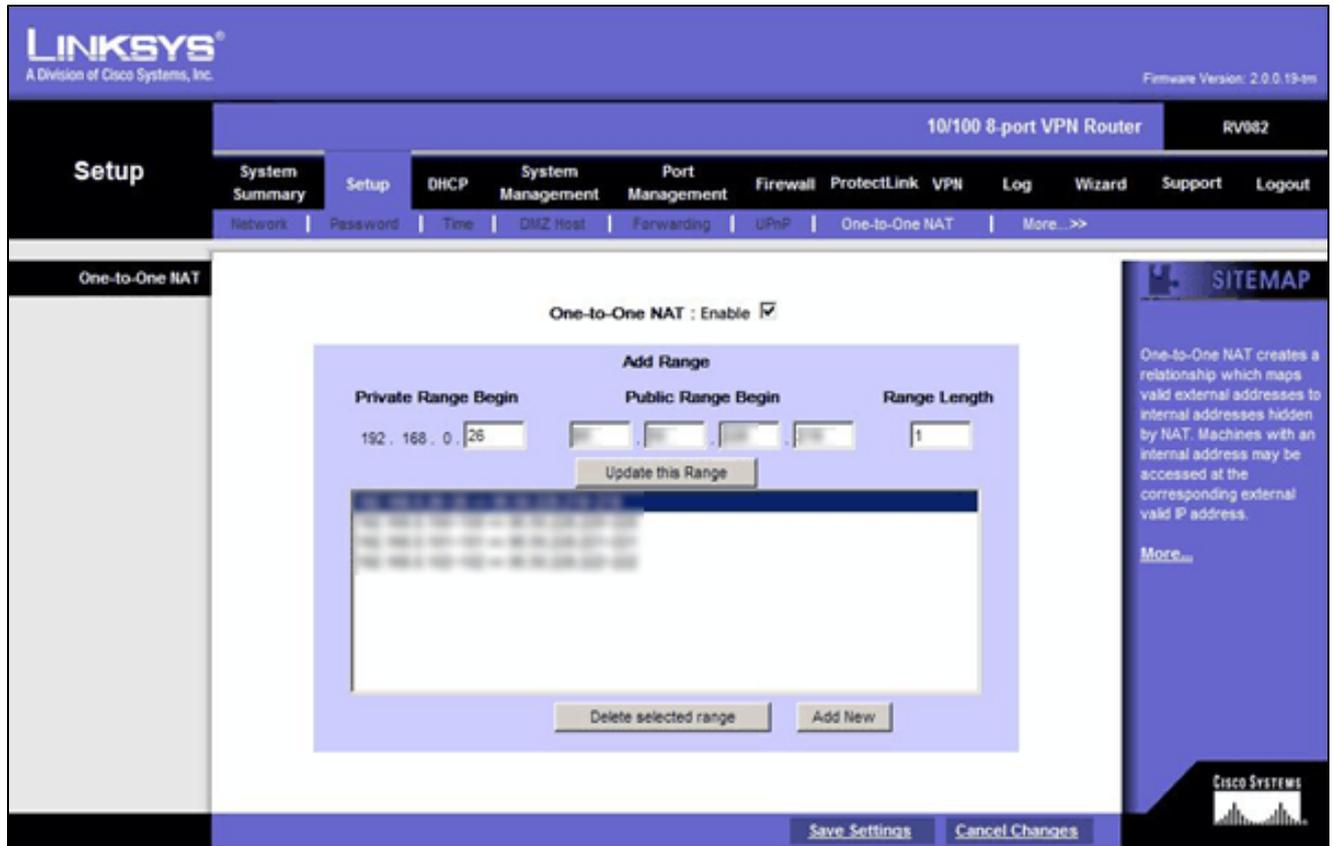
Firmware version: The current version number of the firmware installed on this unit.

CPU: The type of the RV082 processor. It is Intel DP425.

DRAM: The size of DRAM on the board. It is 32MB.

步驟 10.要檢視所做的更改，請按一下主頁籤中的System Summary，然後檢視在「Network Setting Status」中進行的更改。

從專用IP新增一對一NAT到公共IP



步驟 11.在Web配置實用程式中，選擇Setup >一對一NAT。One-to-One NAT頁面開啟。

步驟 12.在一對一NAT欄位中，選中Enable。

步驟 13.在Private Address Begin欄位中，輸入192.168.0.100。

步驟 14.在Public Begin Range中，輸入Public Address 1。

步驟 15.將範圍長度輸入1。

步驟 16.按一下Update this Range。

步驟 17.在Private Address Begin中，輸入 192.168.0.101。

步驟 18.在Public Begin Range中，輸入Public Address 2。

步驟 19.將範圍長度輸入1。

步驟 20.按一下Update this Range。

步驟 21.在Private Address Begin中，輸入192.168.0.102。

步驟 22.在Public Begin Range中，輸入Public Address 3。

步驟 23.將範圍長度輸入1。

步驟 24.按一下Update this Range。

步驟 25.在Private Address Begin中，輸入192.168.0.26。

步驟 26.在Public Begin Range中，輸入Public Address 4。

步驟 27.將範圍長度輸入1。

步驟 28.按一下Update this Range。

步驟 29.按一下Save Settings儲存更改。

設定VLAN上埠的優先順序

The screenshot shows the Linksys web interface for a 10/100 8-port VPN Router (RV082). The main content area is titled "Basic Per Port Config." and contains a table for configuring ports 1 through 8. The table has columns for Port ID, Interface, Disable, Priority, Speed, Duplex, Auto Neg., and VLAN. The Priority column is highlighted, and the VLAN column is set to VLAN1 for all ports. The interface also shows navigation tabs and a sidebar with a Sitemap.

Port ID	Interface	Disable	Priority	Speed	Duplex	Auto Neg.	VLAN
1	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
2	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
3	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
4	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
5	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
6	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
7	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
8	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
DMZ/Internet	DMZ	<input type="checkbox"/>		10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	
Internet	WAN	<input type="checkbox"/>		10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	

步驟 30.在Web配置實用程式中，選擇Port Management > Port Setup。Basic Per Port Config.頁面隨即開啟：

LINKSYS®
A Division of Cisco Systems, Inc. Firmware Version: 2.0.0.19-tm

10/100 8-port VPN Router RV082

Port Management

System Summary Setup DHCP System Management Port Management Firewall ProtectLink VPN Log Wizard Support Logout

Port Setup | Port Status

Basic Per Port Config.

Port ID	Interface	Disable	Priority	Speed	Duplex	Auto Neg.	VLAN
1	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
2	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
3	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
4	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
5	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
6	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
7	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
8	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
DMZ/Internet	DMZ	<input type="checkbox"/>		10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	
Internet	WAN	<input type="checkbox"/>		10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	

SITEMAP

Port ID:
They are port 1-8,
DMZ/Internet and Internet.

Interface:
They are LAN, WAN2 or
DMZ, WAN1.

Disable:
Check the box, the port will
be disabled. It is a per-port
setting.

More...

Save Settings Cancel Changes

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埠ID(1-7) — 從下拉選單中選擇「優先順序」作為高。

LINKSYS®
A Division of Cisco Systems, Inc. Firmware Version: 2.0.0.19-tm

10/100 8-port VPN Router RV082

Port Management

System Summary Setup DHCP System Management Port Management Firewall ProtectLink VPN Log Wizard Support Logout

Port Setup | Port Status

Basic Per Port Config.

Port ID	Interface	Disable	Priority	Speed	Duplex	Auto Neg.	VLAN
1	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
2	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
3	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
4	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
5	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
6	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
7	LAN	<input type="checkbox"/>	High	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN1
8	LAN	<input type="checkbox"/>	Normal	10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	VLAN8
DMZ/Internet	DMZ	<input type="checkbox"/>		10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	
Internet	WAN	<input type="checkbox"/>		10M 100M	Half Full	<input checked="" type="checkbox"/> Enable	

SITEMAP

Port ID:
They are port 1-8,
DMZ/Internet and Internet.

Interface:
They are LAN, WAN2 or
DMZ, WAN1.

Disable:
Check the box, the port will
be disabled. It is a per-port
setting.

More...

Save Settings Cancel Changes

CISCO SYSTEMS

埠ID 8 — 選擇優先順序為Normal，並在VLAN欄位中選擇VLAN8。

步驟 31. 按一下Save Settings儲存更改。

VLAN8的頻寬管理

上游設定

The screenshot displays the Cisco RV062 web configuration interface. The top navigation bar includes 'System Management', 'Port Management', 'Firewall', 'ProtectLink', 'VPN', 'Log', 'Wizard', 'Support', and 'Logout'. The 'System Management' section is active, with 'Bandwidth Management' selected. The main content area shows 'The Maximum Bandwidth provided by ISP' with a table for WAN1:

Interface	Upstream (Kbit/Sec)	Downstream (Kbit/Sec)
WAN1	1024	15360

Below the table, the 'Type' is set to 'Rate Control'. The configuration details for WAN1 are as follows:

- Interface: WAN1
- Service: All Traffic [TCP&UDP/1~65535]
- IP: 192 . 168 . 0 . 26 to 26
- Direction: Downstream
- Mini. Rate: [] Kbit/sec
- Max. Rate: 4096 Kbit/sec
- Enable:

The configuration summary at the bottom shows:

```
All Traffic [TCP&UDP/1~65535]->192.168.0.26-26(Downstream)=>~4096Kbit/sec->WAN1
All Traffic [TCP&UDP/1~65535]->192.168.0.26-26(Upstream)=>~200Kbit/sec->WAN1
```

步驟 32.在Web配置實用程式中，選擇系統管理>頻寬管理。將開啟Bandwidth Management頁面：

A Division of Cisco Systems, Inc. Firmware Version: 2.0.0.19-tm

10/100 8-port VPN Router RV082

System Management | System Summary | Setup | DHCP | System Management | Port Management | Firewall | ProtectLink | VPN | Log | Wizard | Support | Logout

Dual-WAN | Bandwidth Management | SNMP | Diagnostic | Factory Default | Firmware Upgrade | More... >>

Bandwidth Management

The Maximum Bandwidth provided by ISP

Interface	Upstream (Kbit/Sec)	Downstream (Kbit/Sec)
WAN1	1024	15360

Type: **Rate Control** Priority

Interface: WAN1

Service: All Traffic [TCP&UDP/1-65535] Service Management

IP: 192 . 168 . 0 . 26 to 26

Direction: Downstream

Mini. Rate: Kbit/sec Max. Rate: 4096 Kbit/sec

Enable:

Update this Application

```

All Traffic [TCP&UDP/1-65535]->192.168.0.26-26(Downstream)->~4096Kbit/sec->WAN1
All Traffic [TCP&UDP/1-65535]->192.168.0.26-26(Upstream)->~200Kbit/sec->WAN1

```

SITMAP

Bandwidth Management refers to the capability of a network to provide better service to selected network traffic. One is Rate Control for minimum bandwidth (guarantee bandwidth) and maximum bandwidth (limit bandwidth) by Service and/or IP Address. The other is Priority for services. Both functionalities can control inbound or Outbound traffic.

[More...](#)

步驟 33.在Bandwidth Management欄位中，按一下Rate Control。

A Division of Cisco Systems, Inc. Firmware Version: 2.0.0.19-tm

10/100 8-port VPN Router RV082

System Management | System Summary | Setup | DHCP | System Management | Port Management | Firewall | ProtectLink | VPN | Log | Wizard | Support | Logout

Dual-WAN | Bandwidth Management | SNMP | Diagnostic | Factory Default | Firmware Upgrade | More... >>

Bandwidth Management

Bandwidth

The Maximum Bandwidth provided by ISP

Interface	Upstream (Kbit/Sec)	Downstream (Kbit/Sec)
WAN1	1024	15360

Bandwidth Management Type

Type: Rate Control Priority

Rate Control

Interface: WAN1

Service: All Traffic [TCP&UDP/1~65535] Service Management

IP: 192 . 168 . 0 . 26 to 26

Direction: Upstream

Mini. Rate: Kbit/sec Max. Rate: Kbit/sec

Enable:

Update this Application

All Traffic [TCP&UDP/1~65535]->192.168.0.26(Upstream)->~200Kbit/sec->WAN1

SITMAP

Bandwidth Management refers to the capability of a network to provide better service to selected network traffic. One is Rate Control for minimum bandwidth (guarantee bandwidth) and maximum bandwidth (limit bandwidth) by Service and/or IP Address. The other is Priority for services. Both functionalities can control inbound or Outbound traffic.

[More...](#)

步驟 34.在Interface欄位中，檢查interface欄位中的WAN1。

步驟 35.在「服務」下拉選單中，選擇All Traffic[TCP&UDP/1~65535]。

步驟 36.在IP欄位中，在第一個欄位中輸入26，在下一個欄位中輸入26。

步驟 37.在「Direction」下拉選單中，選擇Upstream。

步驟 38.輸入最大值。速率是200 kbit/sec。

步驟 39.在Enable欄位中，勾選Enable。

步驟 40.按一下Update this application。

下游設定

A Division of Cisco Systems, Inc. Firmware Version: 2.0.0.19-tm

10/100 8-port VPN Router RV082

System Management | System Summary | Setup | DHCP | System Management | Port Management | Firewall | ProtectLink | VPN | Log | Wizard | Support | Logout

Dual-WAN | Bandwidth Management | SNMP | Diagnostic | Factory Default | Firmware Upgrade | More... >>

Bandwidth Management

The Maximum Bandwidth provided by ISP

Interface	Upstream (Kbit/Sec)	Downstream (Kbit/Sec)
WAN1	1024	15360

Type: Rate Control Priority

Interface: WAN1

Service: All Traffic [TCP&UDP/1~65535] Service Management

IP: 192 . 168 . 0 . 26 to 26

Direction: Downstream

Mini. Rate: Kbit/sec Max. Rate: 4096 Kbit/sec

Enable:

Update this Application

All Traffic [TCP&UDP/1~65535]->192.168.0.26-26(Downstream)->~4096Kbit/sec->WAN1

All Traffic [TCP&UDP/1~65535]->192.168.0.26-26(Upstream)->~200Kbit/sec->WAN1

SITMAP

Bandwidth Management refers to the capability of a network to provide better service to selected network traffic. One is Rate Control for minimum bandwidth (guarantee bandwidth) and maximum bandwidth (limit bandwidth) by Service and/or IP Address. The other is Priority for services. Both functionalities can control inbound or Outbound traffic.

[More...](#)

步驟 41.在Interface欄位中，檢查interface欄位中的WAN1。

步驟 42.在「服務」下拉選單中，選擇All Traffic[TCP&UDP/1~65535]。

步驟 43.在IP欄位中，在第一個方塊中輸入26，在下一個方塊中輸入26。

步驟 44.在「Direction」下拉選單中，選擇Downstream。

步驟 45.輸入最大值。速率是4096 Kbit/sec。

步驟 46.在Enable欄位中，勾選Enable。

步驟 47.按一下Update this application。

步驟 48.按一下Save Settings儲存更改。

如何檢查2個VLAN和連線埠的連線埠狀態

VLAN 1-7的埠狀態

步驟 49.從下拉選單中選擇1-7之間的任何埠ID。此時會選擇連線埠ID 2。

The screenshot shows the Linksys web interface for a 10/100 8-port VPN Router (RV082). The 'Port Management' section is active, and 'Port 2 Status' is selected. The 'Port ID' dropdown menu is set to 2. The 'Summary' table displays the following information:

Type	10Base-T / 100Base-TX
Interface	LAN
Link Status	Up
Port Activity	Port Enabled
Priority	High
Speed Status	100 Mbps
Duplex Status	Full
Auto negotiation	Enabled
VLAN	VLAN1

The 'Statistics' table shows the following data:

Port Receive Packet Count	88593
Port Receive Packet Byte Count	18060400
Port Transmit Packet Count	181193
Port Transmit Packet Byte Count	93381880
Port Packet Error Count	0

A sidebar on the right contains a 'SITMAP' and a note: 'Users can choose the Port ID from pull down menu to see the status of the selected port. In summary table, it will show the setting for the port selected by users, such as Type, Interface, Link Status (up or down), Port Activity (on or off), Priority (High or Normal), Speed Status (10Mbps or 100Mbps), Duplex Status (half or full), Auto negotiation (on or off), and VLAN (VLAN group). More...'

註：在摘要和統計資訊下，驗證以下內容。

- 驗證優先順序是高。
- 檢驗VLAN是VLAN1。
- 在統計資訊欄位中，確認接收的資料包和位元組計數、傳輸的資料包和位元組計數以及錯誤計數。

VLAN 8的狀態

Port Management 10/100 8-port VPN Router RV082

System Summary Setup DHCP System Management Port Management Firewall ProtectLink VPN Log Wizard Support Logout

Port Setup | Port Status

Port ID : 8

Type	10Base-T / 100Base-TX
Interface	LAN
Link Status	Up
Port Activity	Port Enabled
Priority	Normal
Speed Status	100 Mbps
Duplex Status	Full
Auto negotiation	Enabled
VLAN	VLAN8

Port Receive Packet Count	313666
Port Receive Packet Byte Count	215362135
Port Transmit Packet Count	271066
Port Transmit Packet Byte Count	133548752
Port Packet Error Count	0

SITEMAP

Users can choose the Port ID from pull down menu to see the status of the selected port.

In summary table, it will show the setting for the port selected by users, such as Type, interface, Link Status (up or down), Port Activity (on or off), Priority (High or Normal), Speed Status (10Mbps or 100Mbps), Duplex Status (half or full), Auto negotiation (on or off), and VLAN (VLAN group).

[More...](#)

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步驟 50.從下拉選單中選擇Port ID: 8。

註：特別是選擇埠8以檢視其設定是否正確。

在summary和statistics下，驗證以下內容。進行以下驗證以確認連線埠是否已正確設定：

- 驗證優先順序是正常。
- 檢驗VLAN是VLAN8。
- 在統計資訊欄位中，驗證接收的資料包和位元組計數、傳輸的資料包和位元組計數以及錯誤計數。

如何檢查VLAN之間的連通性

步驟 51.在Web配置實用程式中，選擇System Management > Diagnostic。Diagnostic頁面隨即開啟：

Diagnostic

DNS Name Lookup Ping

Ping host or IP address :

Status : **Test Failed**

Packets : 4/4 transmitted,0/4 received,100 % loss

Round Trip Time :
Minimun = 0.0 ms
Maximun = 0.0 ms
Average = 0.0 ms

步驟 52.按一下「Ping」。

Diagnostic

DNS Name Lookup Ping

Ping host or IP address :

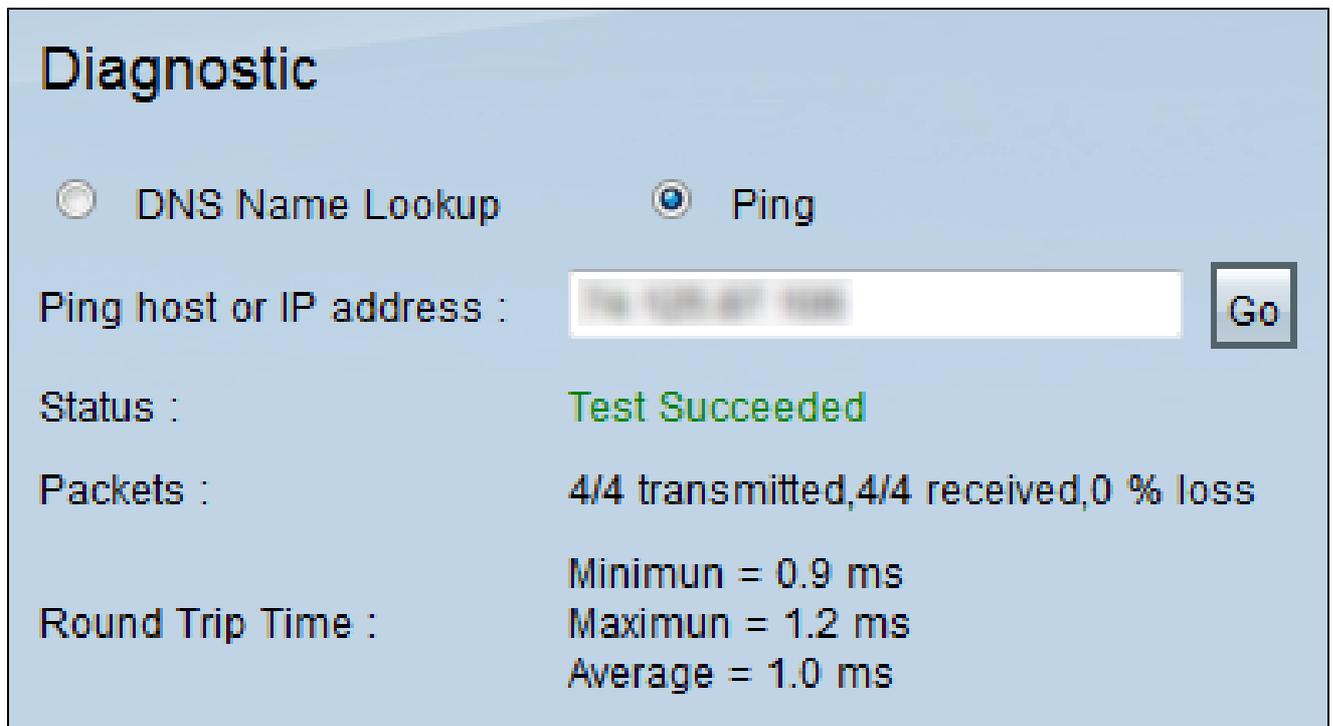
Status : **Test Failed**

Packets : 4/4 transmitted,0/4 received,100 % loss

Round Trip Time :
Minimun = 0.0 ms
Maximun = 0.0 ms
Average = 0.0 ms

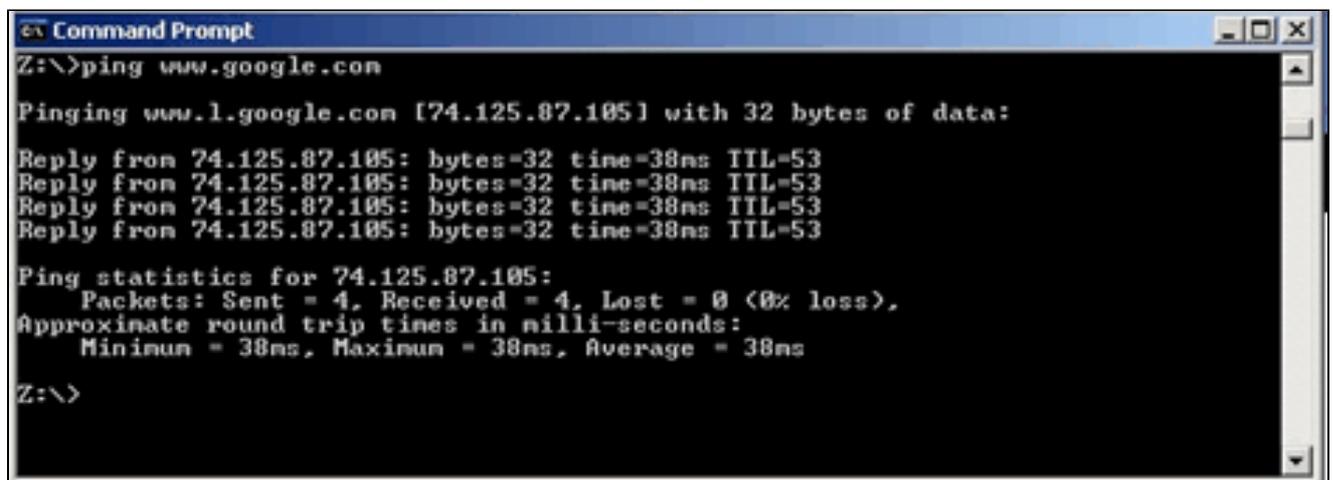
步驟 53.在Ping主機或IP地址欄位中，輸入192.168.0.26，然後點選Go。

註：狀態顯示測試失敗，資料包丟失率為100%。這表示連線到VLAN1（埠1-7）中埠的任何主機都無法ping通RV082埠8上VLAN 8中的IP 192.168.0.26。



步驟 54.再次在Ping主機或IP地址欄位中輸入ISP地址，然後單擊Go。

註：狀態顯示測試成功，資料包丟失率為0%。這意味著192.168.0.1(RV082)可以到達ISP。



上圖顯示，RV082上的客戶端可以訪問www.google.com。連線到消費者路由器的LAN並從該路由器的DHCP獲取IP的主機可以ping並訪問Internet。

Diagnostic

DNS Name Lookup

Ping

Ping host or IP address :

Status :

Test Failed

Packets :

4/4 transmitted,0/4 received,100 % loss

Round Trip Time :

Minimun = 0.0 ms

Maximun = 0.0 ms

Average = 0.0 ms

使用者路由器的LAN中的主機無法ping通VLAN1中的RV082的私有IP。

關於此翻譯

思科已使用電腦和人工技術翻譯本文件，讓全世界的使用者能夠以自己的語言理解支援內容。請注意，即使是最佳機器翻譯，也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準確度概不負責，並建議一律查看原始英文文件（提供連結）。