

# RV130和RV130W VPN路由器上的一对一网络地址转换(NAT)

有关显示如何配置一对一NAT的视频，请访问<https://youtu.be/azt7b8hMXHs>

## 目标

一对一网络地址转换(NAT)将防火墙后的本地IP地址映射到全局IP地址。通过允许防火墙后配置有私有IP地址的系统看起来具有公有IP地址，这些地址对外部网络可见并且可用于入站连接。

本文档的目的是解释如何在RV130和RV130W路由器上配置一对一NAT。

## 适用设备

- RV130
- RV130W

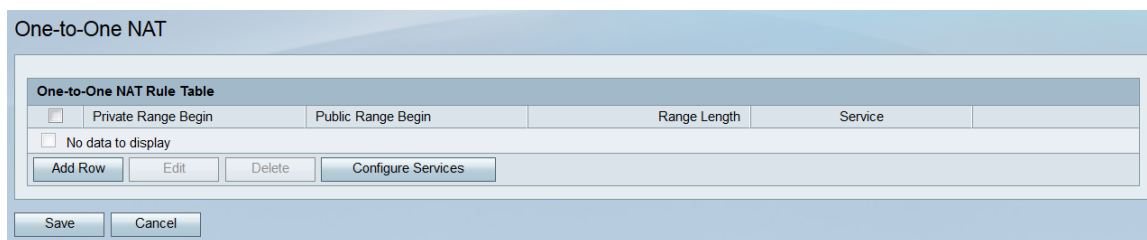
## 软件版本

- v1.0.1.3

## 创建一对一NAT

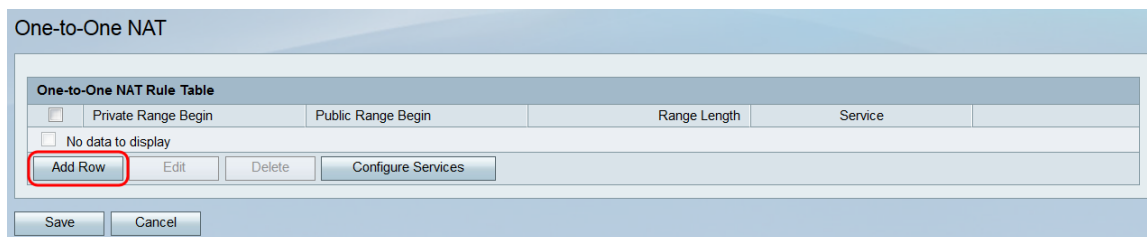
### 添加新的一对一NAT规则

步骤1.登录Web配置实用程序并选择**防火墙>一对一NAT**。“一对一NAT”页面打开：



The screenshot shows the 'One-to-One NAT' configuration page. At the top, there is a title 'One-to-One NAT'. Below it is a table titled 'One-to-One NAT Rule Table'. The table has five columns: 'Private Range Begin', 'Public Range Begin', 'Range Length', and 'Service'. Below the table, there is a message 'No data to display'. At the bottom of the table area, there are four buttons: 'Add Row', 'Edit', 'Delete', and 'Configure Services'. Below the table area, there are two buttons: 'Save' and 'Cancel'.

步骤2.单击**Add Row**添加新的一对一NAT规则。



The screenshot shows the 'One-to-One NAT' configuration page, similar to the previous one. However, the 'Add Row' button is highlighted with a red rectangle, indicating that it should be clicked to add a new rule.

步骤3.在**专用范围开始**字段中，输入要可用于公共网络的专用(LAN)IP地址范围的起始IP地址。

One-to-One NAT

You must save before you can edit or delete.

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input type="checkbox"/>	192.168.1.5			All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

**注意：**注意：路由器的LAN IP地址不应包含在您指定的范围内。

步骤4.在*Public Range Begin*字段中，输入公共(WAN)IP地址范围的起始IP地址。此IP地址通常由您的Internet服务提供商提供。输入的第一个公有IP地址将与输入的第一个私有IP地址匹配，第二个公有IP地址将与第二个私有IP地址配对，以此类推。

One-to-One NAT

You must save before you can edit or delete.

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input type="checkbox"/>	192.168.1.5			All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

**注意：**路由器的WAN IP地址不应包含在您指定的范围内。

步骤5.在*范围长度*字段中，输入应映射到私有地址的公有IP地址的数量，前提是给定之前输入的私有和公有开始范围。范围长度不能超过有效IP地址的数量。要映射单个地址，请输入“1”。

One-to-One NAT

You must save before you can edit or delete.

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input type="checkbox"/>	192.168.1.5		3	All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

第6步：在*Service*下拉列表中，选择将流量发送到相应的公有IP地址时，私有IP(LAN)地址将接受哪种服务。

One-to-One NAT

You must save before you can edit or delete.

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input type="checkbox"/>	192.168.1.5		3	All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

- All Traffic [All]
- All Traffic [All]
- 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]
- IMAP [TCP/143-143]
- NNTP [TCP/119-119]
- POP3 [TCP/110-110]
- SNMP [UDP/161-161]
- SMTP [TCP/25-25]
- TELNET [TCP/23-23]
- TELNET Secondary [TCP/8023-8023]
- TELNET SSL [TCP/992-992]
- Voice(SIP) [TCP & UDP/5060-5061]

**注意：**如果要更改此字段中的可用服务，请单击**Configure Services**按钮以打开*Service Management*页。有关详细信息，请参阅[RV130和RV130W上的服务管理](#)文章。

步骤7.单击**Save**保存一对一NAT规则的配置。

One-to-One NAT

You must save before you can edit or delete.

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input type="checkbox"/>	192.168.1.5		3	All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

注意：最多可以制定10个规则。

## 编辑/删除一对一NAT规则

步骤1.选中与要编辑或删除的所需规则对应的复选框。

One-to-One NAT

One-to-One NAT Rule Table

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input checked="" type="checkbox"/>	192.168.1.5		3	All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

步骤2.如果要编辑所选规则，请单击Edit。如果要删除选定的规则，请单击Delete。如果单击Delete，请跳至[步骤4](#)。

One-to-One NAT

One-to-One NAT Rule Table

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input checked="" type="checkbox"/>	192.168.1.5		3	All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

注意：单击Delete将会出现警告，提示您必须单击Save才能保存更改。

步骤3.如果单击Edit，则所选规则的字段将变为可用。进行所有必要的更改。

One-to-One NAT

You must save before you can edit or delete.

One-to-One NAT Rule Table

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input checked="" type="checkbox"/>	192.168.1.5		3	All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

[步骤4](#).单击保存以应用更改或删除指定的规则。

One-to-One NAT

You must save before you can edit or delete.

One-to-One NAT Rule Table

<input type="checkbox"/>	Private Range Begin	Public Range Begin	Range Length	Service
<input checked="" type="checkbox"/>	192.168.1.5		3	All Traffic [All]

Add Row Edit Delete Configure Services

Save Cancel

## 关于此翻译

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