

局域网(LAN)在RV220W和RV120W的IPv6设置的配置

客观

IPv6是设计的互联网协议替换IPv4。它比当前IPv4协议准许设计允许更多IP地址。IPv6也使用一个新的报头为了降低需要的相当数量处理时间穿过网络。

本文目标将解释基本的LAN设置/IPv6的配置在RV120W和RV220W。

可适用的设备

- RV120W
- RV220W

软件版本

- v1.0.5.9 - RV120W

IPv6 LAN的配置

步骤1.登陆到Web配置工具并且选择网络> IPv6 > IPv6 LAN (本地网络)。LAN (本地网络)页打开：

IPv6 LAN (Local Network)

LAN (Local Network) TCP/IP Setup

IPv6 Address

IPv6 Prefix Length (Range : 0 - 128, Default : 64)

DHCPv6

DHCP Status Disable DHCPv6 Server
 Enable DHCPv6 Server

DHCP Mode Stateless
 Stateful

Domain Name

Server Preference (Range : 0 - 255, Default : 255)

DNS Servers ▼

Primary DNS Server (Optional)

Secondary DNS Server (Optional)

Lease/Rebind Time Seconds (Range : 0 - 604800, Default : 86400)

IPv6 Address Pool Table

<input type="checkbox"/>	Start Address	End Address	Prefix Length	
<input type="checkbox"/>	0 results found			
<input type="button" value="Add"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>		

Note:您必须设置IP模式为IPv4/IPv6在**网络 > Mode**页**IPv6 >**的IP的模式配置此页。

步骤2.输入路由器的IP地址在**IPv6地址域**。

LAN (Local Network) TCP/IP Setup

IPv6 Address

IPv6 Prefix Length (Range : 0 - 128, Default : 64)

Note:默认IPv6地址已经被输入字段。

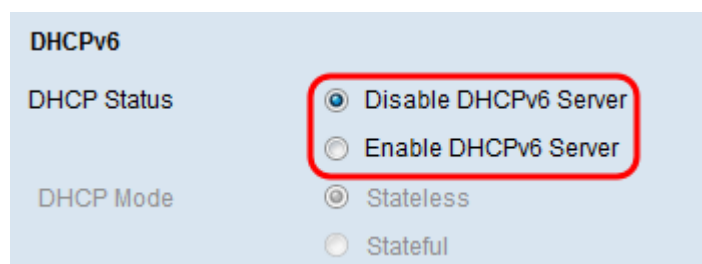
步骤3.输入IPv6前缀长度在**IPv6前缀长度**字段。默认前缀长度是64。

LAN (Local Network) TCP/IP Setup

IPv6 Address

IPv6 Prefix Length (Range : 0 - 128, Default : 64)

步骤4. 点击在DHCP Status字段禁用或enable (event)的期望单选按钮DHCPv6服务器。如果功能失效DHCPv6服务器单选按钮选择，请跳过对[步骤12](#)。如果Enable (event) DHCPv6服务器选择，请继续对下一步。



DHCPv6 configuration panel. The 'DHCP Status' section has two radio buttons: 'Disable DHCPv6 Server' (selected) and 'Enable DHCPv6 Server'. The 'DHCP Mode' section has two radio buttons: 'Stateless' (selected) and 'Stateful'.

步骤5. 点击在Mode字段的DHCP的期望单选按钮。

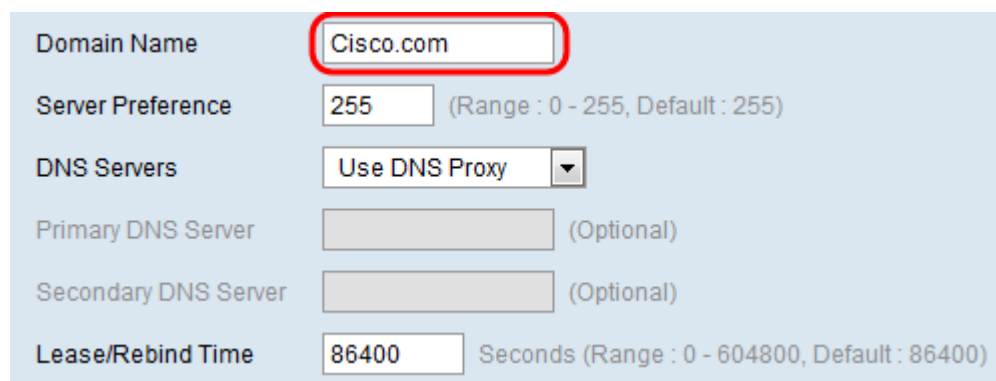


DHCPv6 configuration panel. The 'DHCP Status' section has two radio buttons: 'Disable DHCPv6 Server' and 'Enable DHCPv6 Server' (selected). The 'DHCP Mode' section has two radio buttons: 'Stateless' (selected) and 'Stateful'.

选项被描述如下：

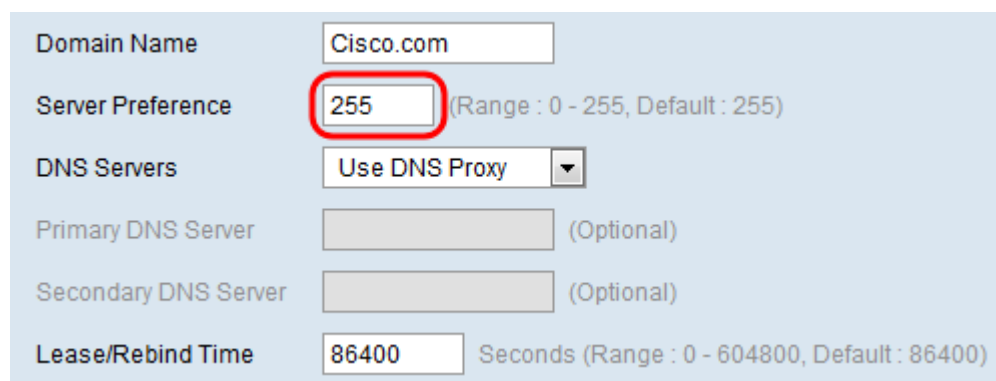
- 无状态— ICMPv6消息起源于设备和使用自动配置或联系DHCP服务器在ISP得到一个被出租的地址。
- 有状态的— 路由器连接到ISP的DHCPv6一个被出租的地址的。

步骤6. 输入DHCPv6服务器的域名在域名字段。



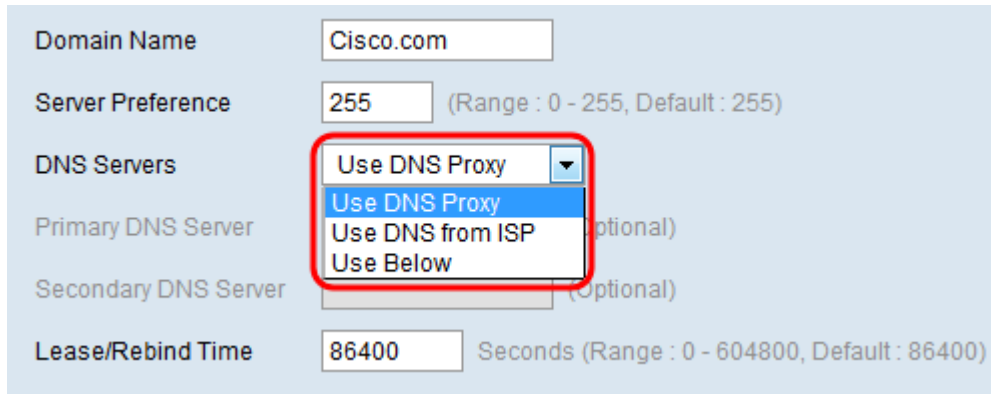
DHCPv6 configuration panel. The 'Domain Name' field contains 'Cisco.com'. Other fields include 'Server Preference' (255), 'DNS Servers' (Use DNS Proxy), 'Primary DNS Server' (Optional), 'Secondary DNS Server' (Optional), and 'Lease/Rebind Time' (86400 Seconds).

步骤7. 输入服务器优先权编号在服务器首选字段。这指示DHCP服务器的首选级别。默认服务器首选是255。



DHCPv6 configuration panel. The 'Server Preference' field contains '255'. Other fields include 'Domain Name' (Cisco.com), 'DNS Servers' (Use DNS Proxy), 'Primary DNS Server' (Optional), 'Secondary DNS Server' (Optional), and 'Lease/Rebind Time' (86400 Seconds).

步骤8.从DNS服务器下拉菜单选择DNS服务器。



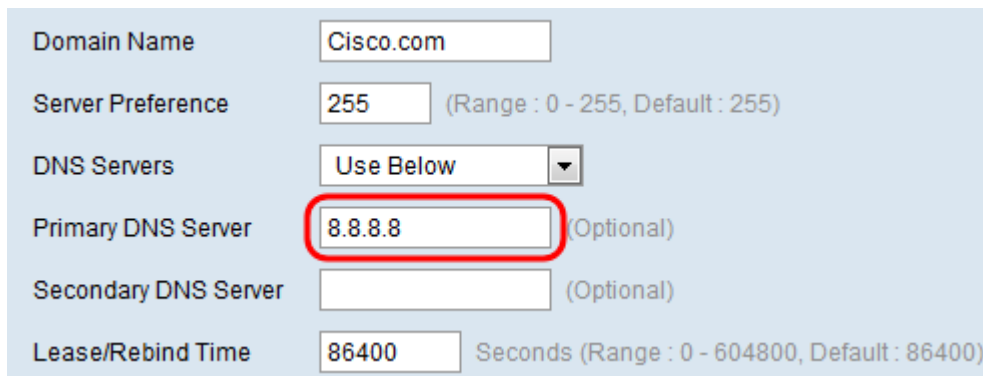
The screenshot shows a configuration form with the following fields:

- Domain Name: Cisco.com
- Server Preference: 255 (Range: 0 - 255, Default: 255)
- DNS Servers: Use DNS Proxy (dropdown menu is open, showing options: Use DNS Proxy, Use DNS from ISP, Use Below)
- Primary DNS Server: (Optional)
- Secondary DNS Server: (Optional)
- Lease/Rebind Time: 86400 Seconds (Range: 0 - 604800, Default: 86400)

选项被描述如下：

- 请使用DNS代理— (当在Settings页的广域网被配置)，允许设备作为所有DNS请求的一个代理并且与ISP的DNS服务器沟通。跳到第11步。
- 请使用从ISP的DNS —允许ISP定义DNS服务器(首选/备用的)的LAN DHCP客户端。跳到第11步。
- 下面请使用—使用首选/备用的被配置的DNS服务器。继续对第9步。

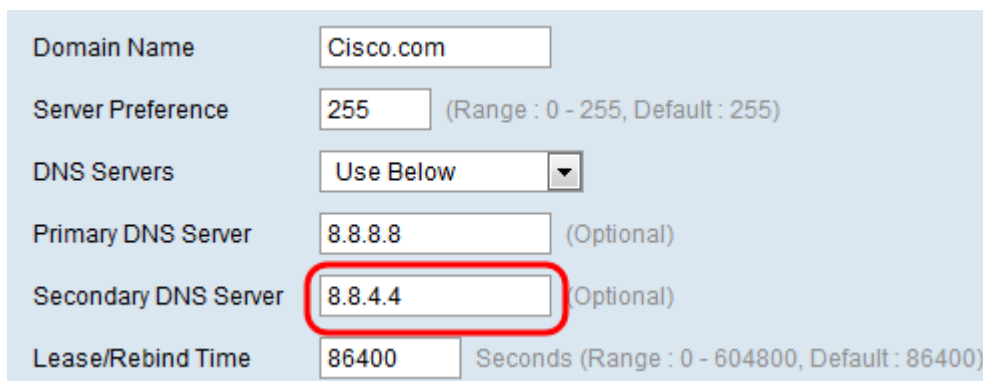
第9步(可选)在主要的DNS Server字段输入主要DNS服务器的IP地址。



The screenshot shows the same configuration form as above, but with the following changes:

- DNS Servers: Use Below
- Primary DNS Server: 8.8.8.8 (Optional)
- Secondary DNS Server: (Optional)

第10步(可选)在辅助DNS服务器领域输入辅助DNS服务器的IP地址。



The screenshot shows the same configuration form as above, but with the following change:

- Secondary DNS Server: 8.8.4.4 (Optional)

步骤11.输入重新绑定时间(以秒钟)在租赁/重新绑定时间字段。这是期限(以秒钟) IP地址将被租用对在LAN的终端。默认时间是86400秒。

Domain Name	<input type="text" value="Cisco.com"/>
Server Preference	<input type="text" value="255"/> (Range : 0 - 255, Default : 255)
DNS Servers	<input type="text" value="Use DNS Proxy"/>
Primary DNS Server	<input type="text"/> (Optional)
Secondary DNS Server	<input type="text"/> (Optional)
Lease/Rebind Time	<input type="text" value="86400"/> Seconds (Range : 0 - 604800, Default : 86400)

步骤12。点击**添加**输入新的IPv6池地址。

IPv6 Address Pool Table			
<input type="checkbox"/>	Start Address	End Address	Prefix Length
<input type="checkbox"/>	0 results found		
<input type="button" value="Add"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>	

第13步。输入开始的IPv6地址在**起始地址**地址字段。

IPv6 Address Pool Table			
<input type="checkbox"/>	Start Address	End Address	Prefix Length
<input type="checkbox"/>	0 results found		
<input type="text" value="2001:DB8::1"/>	<input type="text"/>	<input type="text"/>	
<input type="button" value="Add"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>	

步骤14。输入结束IPv6地址在**结尾地址域**。

IPv6 Address Pool Table			
<input type="checkbox"/>	Start Address	End Address	Prefix Length
<input type="checkbox"/>	0 results found		
<input type="text" value="2001:DB8::1"/>	<input type="text" value="2001:DB8:0:FFFF::FFF"/>	<input type="text"/>	
<input type="button" value="Add"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>	

第15步。输入地址的前缀长度在**前缀长度**字段。

IPv6 Address Pool Table			
<input type="checkbox"/>	Start Address	End Address	Prefix Length
<input type="checkbox"/>	0 results found		
<input type="text" value="2001:DB8::1"/>	<input type="text" value="2001:DB8:0:FFFF::FFF"/>	<input type="text" value="64"/>	
<input type="button" value="Add"/>	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>	

第16步。点击**“Save”**保存设置。

LAN (Local Network) TCP/IP Setup

IPv6 Address

IPv6 Prefix Length (Range : 0 - 128, Default : 64)

DHCPv6

DHCP Status Disable DHCPv6 Server
 Enable DHCPv6 Server

DHCP Mode Stateless
 Stateful

Domain Name

Server Preference (Range : 0 - 255, Default : 255)

DNS Servers ▼

Primary DNS Server (Optional)

Secondary DNS Server (Optional)

Lease/Rebind Time Seconds (Range : 0 - 604800, Default : 86400)

IPv6 Address Pool Table

<input type="checkbox"/>	Start Address	End Address	Prefix Length
<input type="checkbox"/>	0 results found		
<input type="checkbox"/>	<input type="text" value="2001:DB8::1"/>	<input type="text" value="2001:DB8:0:FFFF::FFF"/>	<input type="text" value="64"/>

Please click 'Save' button to take Add/Edit/Delete Operation into effect