

在WAP371上配置IPv4和IPv6設定

目標

可以通過兩種方式分配IP地址：通過動態主機配置協定(DHCP)或通過手動靜態IP地址配置。WAP371上的預設設定為DHCP，但是，您也可以選擇使用靜態IP地址，在這種情況下，必須禁用DHCP客戶端並手動分配IP地址和其他網路資訊。您可以配置IPv4和IPv6設定進行此類更改。

本文檔的目的是向您展示如何在WAP371上配置IPv4和IPv6設定。如果您希望使用帶影象的本文版本，請按一下[此處](#)。

適用裝置

WAP371

軟體版本

1.2.0.2

通過動態主機配置協定(DHCP)自動設定IPv4

步驟1.登入到Web配置實用程式並選擇LAN > VLAN和IPv4地址。VLAN和IPv4地址頁面開啟：

VLAN and IPv4 Address

Global Settings

MAC Address: ~~XXXXXXXXXX~~

Untagged VLAN: Enable

Untagged VLAN ID: (Range: 1 - 4094, Default: 1)

Management VLAN ID: (Range: 1 - 4094, Default: 1)

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Domain Name Servers: Dynamic
 Manual

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步驟2. 在IPv4設定下，按一下**Connection Type**欄位中的**DHCP**單選按鈕。這使得WAP能夠從DHCP伺服器自動獲取本地IP地址、子網掩碼和預設網關欄位的值。預設情況下已選中此選項。

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Domain Name Servers: Dynamic
 Manual

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步驟3. 按一下**Domain Name Servers** (域名伺服器) 欄位中所需的單選按鈕。

The screenshot shows the IPv4 Settings window. Under 'Connection Type', 'DHCP' is selected. Under 'Domain Name Servers', 'Dynamic' is selected and highlighted with a red box. The 'Static IP Address' is 192.168.1.245, 'Subnet Mask' is 255.255.255.0, and 'Default Gateway' is 192.168.1.1. There are two empty input fields for manual DNS servers.

可用選項說明如下：

動態 — 從LAN中的DHCP伺服器獲取主DNS伺服器和輔助DNS伺服器地址。

手動 — 手動配置一個或多個DNS伺服器地址。在後面的文本框中最多輸入兩個IP地址。第二個地址是可選地址。

步驟4. 按一下**Save**以儲存設定。

This screenshot is identical to the one above, but with a red box highlighting the 'Save' button at the bottom of the window.

靜態IPv4設定

附註：只選擇一個連線型別來配置IPv4設定。如果選擇執行上述DHCP配置，則無需執行下述手動配置。

步驟1.登入到Web配置實用程式並選擇LAN > VLAN和IPv4地址。將開啟VLAN和IPv4地址頁面：

VLAN and IPv4 Address

Global Settings

MAC Address:

Untagged VLAN: Enable

Untagged VLAN ID: (Range: 1 - 4094, Default: 1)

Management VLAN ID: (Range: 1 - 4094, Default: 1)

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Domain Name Servers: Dynamic
 Manual

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步驟2.在IPv4設定下，在連線型別欄位中按一下Static IP。這需要您手動為接入點分配IP地址。

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Domain Name Servers: Dynamic
 Manual

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步驟3.在靜態IP地址欄位中輸入接入點的IP地址。此IP地址對於此網路應是唯一的。

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Domain Name Servers: Dynamic
 Manual

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Save

步驟4.在 *Subnet Mask* 欄位中輸入網路的子網掩碼。預設掩碼為255.255.255.0。

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Domain Name Servers: Dynamic
 Manual

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Save

步驟5.在 *Default Gateway* 欄位中輸入預設閘道IP位址。預設網關是將網路連線到外部網路 (如 Internet) 的路由器。如果資料包的目的IP地址未知，則將其傳送到預設網關。

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: 192 . 168 . 1 . 245

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 1 . 1

Domain Name Servers: Dynamic
 Manual

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Save

步驟6.在「域名伺服器」欄位中手動輸入域名系統(DNS)伺服器的IP地址。Internet服務提供商(ISP)通常提供此地址。第二個DNS伺服器IP地址是可選的。

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: 192 . 168 . 1 . 245

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 1 . 1

Domain Name Servers: Dynamic
 Manual

198 . 51 . 100 . 1

198 . 51 . 100 . 254

Save

附註：在步驟2中選擇Static IP連線型別後，域名伺服器將自動設定為Manual。

步驟7.按一下**Save**以儲存設定。

IPv4 Settings

Connection Type: DHCP
 Static IP

Static IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

Domain Name Servers: Dynamic
 Manual

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通過動態主機配置協定(DHCP)自動設定IPv6

步驟1. 登入到Web配置實用程式並選擇LAN > IPv6地址。IPv6地址頁面開啟：

IPv6 Addresses

IPv6 Connection Type: DHCPv6
 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

Static IPv6 Address: (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

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

Static IPv6 Address Status:

IPv6 Autoconfigured Global Addresses:

IPv6 Link Local Address: fe80::8680:2dff:fe43:a650/64

Default IPv6 Gateway: (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

IPv6 Domain Name Servers: Dynamic
 Manual

(xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

(xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

步驟2. 按一下 *Connection Type* 欄位中的DHCP單選按鈕。這允許WAP從DHCP伺服器自動獲取本地IP地址、子網掩碼和預設網關欄位的值。

IPv6 Addresses

IPv6 Connection Type: DHCPv6 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

步驟3.選中*IPv6管理模式*竅取方塊以啟用或禁用IPv6管理訪問。這允許通過IPv6地址訪問裝置的管理介面。

IPv6 Addresses

IPv6 Connection Type: DHCPv6 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

步驟4.選中*IPv6 Auto Configuration Administrative Mode*復選框，啟用或禁用裝置上的IPv6自動地址配置。這允許裝置自動生成IPv6地址，而不需要DHCP伺服器或靜態分配的地址。

IPv6 Addresses

IPv6 Connection Type: DHCPv6 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

步驟5.在*IPv6 Domain Name Servers*欄位中點擊所需的單選按鈕。

IPv6 Domain Name Servers:

Dynamic Manual

Input fields for DNS servers: (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

Save

可用選項包括：

動態 — 通過DHCPv6動態獲取DNS名稱伺服器。

手動 — 在提供的欄位中最多指定兩個IPv6 DNS名稱伺服器。

步驟6.按一下**Save**以儲存設定。

IPv6 Domain Name Servers:

Dynamic
 Manual

[[
]] (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

[[
]] (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

Save

靜態IPv6設定

步驟1. 登入到Web配置實用程式並選擇LAN > IPv6地址。將開啟IPv6地址頁面：

IPv6 Addresses

IPv6 Connection Type: DHCPv6
 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

Static IPv6 Address: [[
]] (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

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

Static IPv6 Address Status:

IPv6 Autoconfigured Global Addresses:

IPv6 Link Local Address: fe80::8680:2dff:fe43:a650/64

Default IPv6 Gateway: [[
]] (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

IPv6 Domain Name Servers: Dynamic
 Manual

[[
]] (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

[[
]] (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

Save

步驟2. 在IPv6 Settings下，在IPv6 Connection Type欄位中按一下Static IPv6。這需要您手動為接入點分配IP地址。

IPv6 Addresses

IPv6 Connection Type: DHCPv6
 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

步驟3. 選中IPv6 Auto Configuration Administrative Mode釁取方塊以啟用或禁用裝置上的IPv6自動地址配置。這允許裝置自動生成IPv6地址，而不需要DHCP伺服器或靜態分配的地址。

IPv6 Addresses

IPv6 Connection Type: DHCPv6
 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

步驟4.選中 *IPv6 Auto Configuration Administrative Mode* 復選框，啟用或禁用裝置上的IPv6自動地址配置。

IPv6 Addresses

IPv6 Connection Type: DHCPv6
 Static IPv6

IPv6 Administrative Mode: Enable

IPv6 Auto Configuration Administrative Mode: Enable

步驟5.在 *Static IPv6 Address* 欄位中輸入裝置所需的靜態IPv6地址。

Static IPv6 Address: (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

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

Static IPv6 Address Status:

IPv6 Autoconfigured Global Addresses:

IPv6 Link Local Address: fe80::8680:2dff:fe43:a650/64

Default IPv6 Gateway: (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

附註：WAP裝置除了自動配置地址外，還可以具有靜態IPv6地址。

步驟6.在 *靜態IPv6地址字首長度* 欄位中輸入靜態地址的字首長度。字首長度的值範圍為0到128，其中預設值為0。

Static IPv6 Address: (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

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

Static IPv6 Address Status:

IPv6 Autoconfigured Global Addresses:

IPv6 Link Local Address: fe80::8680:2dff:fe43:a650/64

Default IPv6 Gateway: (xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx)

附註：鏈路本地地址是本地物理鏈路使用的IPv6地址。IPv6 *Link Local Address* 欄位是自動分配的，不可配置。

步驟7.在 *Default Gateway* 欄位中輸入預設網關IPv6地址。預設網關是將網路連線到外部網路（如Internet）的路由器。如果資料包的目的IP地址未知，則將其傳送到預設網關。

Static IPv6 Address: (xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

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

Static IPv6 Address Status:

IPv6 Autoconfigured Global Addresses:

IPv6 Link Local Address: fe80::8680:2dff:fe43:a650/64

Default IPv6 Gateway: (xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

步驟8.在「IPv6域名伺服器」欄位中輸入域名系統(DNS)伺服器的IPv6地址。Internet服務提供商(ISP)通常提供此地址。第二個DNS伺服器IP地址是可選的。

IPv6 Domain Name Servers: Dynamic Manual

(xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

(xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

附註：在步驟2中選擇Static IPv6 connection type (靜態IPv6連線型別)後，IPv6 Domain Name Server (IPv6域名伺服器)將自動設定為Manual (手動)。

步驟9.按一下Save以儲存設定。

IPv6 Domain Name Servers: Dynamic Manual

(xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

(xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)