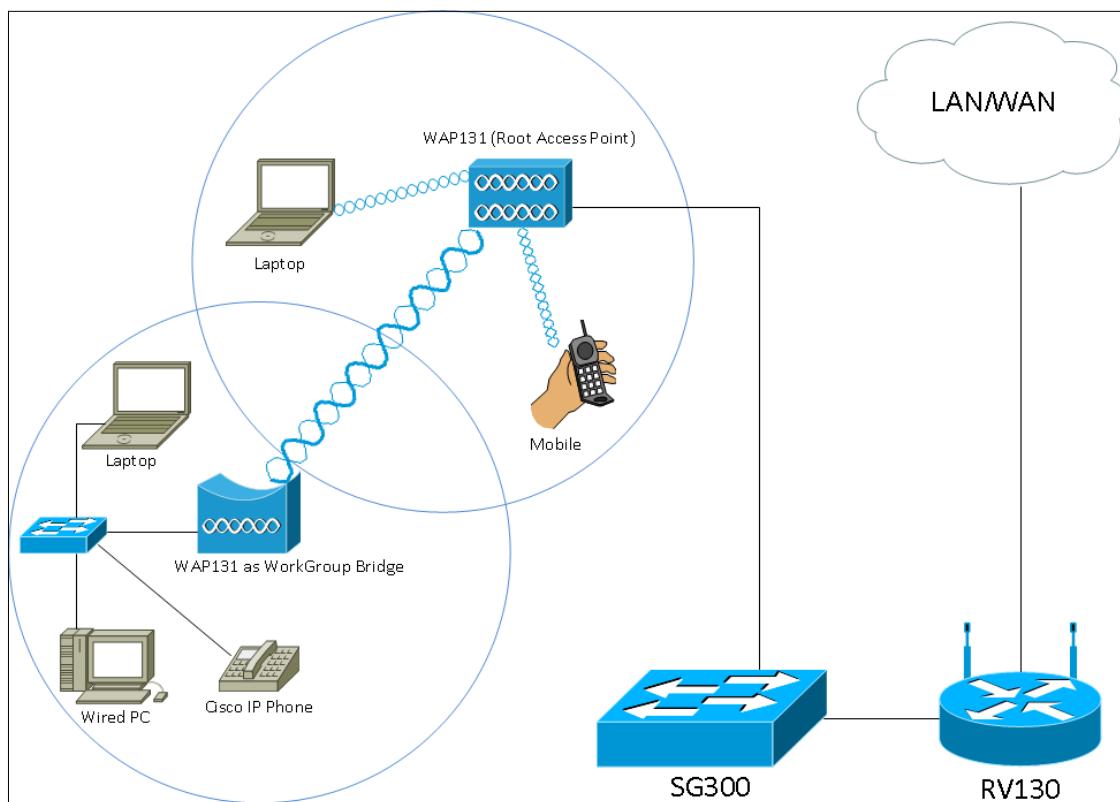


# Configure WorkGroup Bridge on the WAP131 Access Point

## Objective

The Workgroup Bridge feature enables the Wireless Access Point (WAP) to bridge traffic between a remote client and the wireless LAN that is connected with the workgroup bridge mode. The WAP device associated with the remote interface is known as an access point interface, and the one associated with the wireless LAN is called an infrastructure interface. Although the Wireless Distribution System (WDS) is the preferred bridge solution for the WAP131, the Workgroup Bridge Mode is recommended when the WDS feature is unavailable.



**Note:** When the Workgroup Bridge feature is enabled, the WDS bridge feature does not work. To see how WDS Bridge is configured, refer to the article [Configuring Wireless Distribution System \(WDS\) Bridge on the WAP131 and WAP351](#).

The objective of this document is to explain how to configure the Workgroup Bridge on the WAP131 access point.

## Applicable Devices

- WAP131

## Software Version

- 1.0.3.4

# Configure Work Group Bridge

**Note:** In order to enable Workgroup Bridge, clustering must be enabled in the WAP. If clustering is disabled, you need to disable Single Point Setup to enable clustering. All WAP devices that take part in the Workgroup Bridge must have the following identical settings:

- Radio
- IEEE 802.11 mode
- Channel Bandwidth
- Channel (Auto not recommended)

To ensure these settings in all devices are the same, look up the radio settings. To configure these settings, refer to the article [Configuring Basic Wireless Radio Settings on the WAP131 and WAP351 Access Points.](#)

Step 1. Log in to the Web Configuration Utility and choose **Wireless > WorkGroup** Bridge. The *WorkGroup Bridge* page opens:

WorkGroup Bridge Mode:  Enable

**Radio Setting Per Interface**

Select the radio interface first, and then enter the configuration parameters.

Radio:  Radio 1 (2.4 GHz)  
 Radio 2 (5 GHz)

**Infrastructure Client Interface**

SSID: Infrastructure Client SSID (Range: 2-32 Characters)

Security: None

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

Connection Status: Disconnected

**Access Point Interface**

Status:  Enable

SSID: Access Point SSID (Range: 2-32 Characters)

SSID Broadcast:  Enable

Security: None

MAC Filtering: Disabled

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

Step 2. Check the **Enable** checkbox in the *WorkGroup Bridge Mode* field to enable the workgroup bridge feature.

WorkGroup Bridge Mode:  Enable

**Radio Setting Per Interface**

Select the radio interface first, and then enter the configuration parameters.

Radio:  Radio 1 (2.4 GHz)  
 Radio 2 (5 GHz)

## Radio Settings

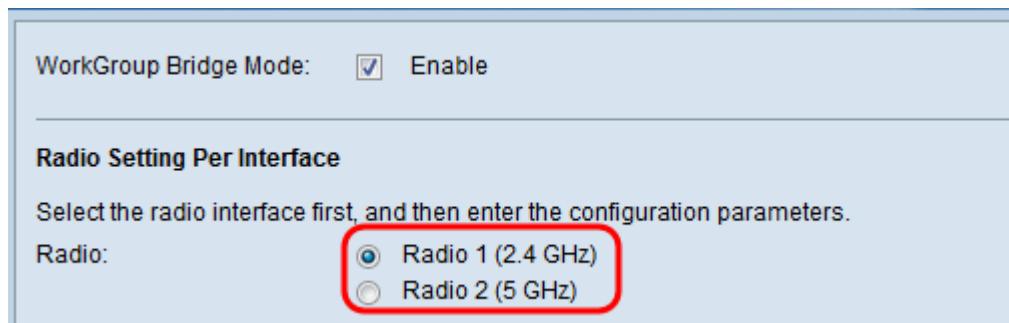
Step 1. Select the radio interface for the work group bridge. When you configure one radio as a workgroup bridge, the other radio remains operational. The radio interfaces correspond to the radio frequency bands of the WAP131. The WAP131 is equipped to broadcast on two different radio interfaces. Configuring settings for one radio interface will not affect the other.

WorkGroup Bridge Mode:  Enable

**Radio Setting Per Interface**

Select the radio interface first, and then enter the configuration parameters.

Radio:  Radio 1 (2.4 GHz)  Radio 2 (5 GHz)



## Infrastructure Client Interface

Step 1. Enter the Service Set Identifier (SSID) name in the SSID field. The SSID must be 2-32 characters long.

**Infrastructure Client Interface**

SSID: Infrastructure Client SSID (Range: 2-32 Characters)

Security: None

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

Connection Status: Disconnected



Step 2. Choose the type of security to authenticate a client station on the upstream WAP device from the Security drop-down list.

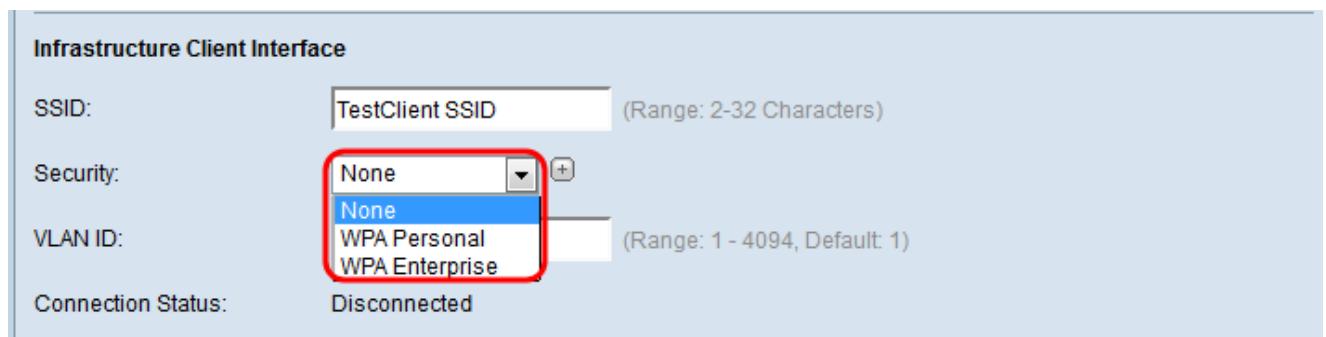
**Infrastructure Client Interface**

SSID: TestClient SSID (Range: 2-32 Characters)

Security: None

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

Connection Status: Disconnected



The available options are defined as follows:

- None — Open or no security. This is the default value. If you choose this, skip to [Step 14](#).
- WPA Personal — WPA Personal can support keys of length 8-63 characters. The encryption method is RC4 for WPA and Advanced Encryption Standard (AES) for WPA2. WPA2 is recommended as it has a more powerful encryption standard. If you choose this, go to [Step 3](#).
- WPA Enterprise — WPA Enterprise is more advanced than WPA Personal and is the recommended security for authentication. It uses Protected Extensible Authentication Protocol (PEAP) and Transport Layer Security (TLS). If you choose this, go to [Step 5](#).

## WPA Personal

[Step 3](#). Select the **WPA-TKIP** or **WPA2-AES** checkbox to determine which kind of WPA encryption the infrastructure client interface will use. If all of your wireless equipment

supports WPA2, then set the infrastructure client security for WPA2-AES. If some of your wireless devices, like PDAs and other small wireless network devices, only connect with WPA-TKIP, then select WPA-TKIP.

Infrastructure Client Interface

SSID:	TestClient SSID	(Range: 2-32 Characters)
Security:	WPA Personal	<input type="button" value="..."/>
WPA Versions:	<input type="checkbox"/> WPA-TKIP <input checked="" type="checkbox"/> WPA2-AES	<input type="button" value="..."/>
Key:	(Range: 8-63 Characters)	
VLAN ID:	1	(Range: 1 - 4094, Default: 1)
Connection Status:	Disconnected	

Step 4. Enter in the WPA encryption key in the *Key* field. The key must be 8-63 characters long. Skip to [Step 14](#).

Infrastructure Client Interface

SSID:	TestClient SSID	(Range: 2-32 Characters)
Security:	WPA Personal	<input type="button" value="..."/>
WPA Versions:	<input type="checkbox"/> WPA-TKIP <input checked="" type="checkbox"/> WPA2-AES	<input type="button" value="..."/>
Key:	*****	(Range: 8-63 Characters)
VLAN ID:	1	(Range: 1 - 4094, Default: 1)
Connection Status:	Disconnected	

## WPA Enterprise

[Step 5](#). Select the **WPA-TKIP** or **WPA2-AES** checkbox to determine which kind of WPA encryption the infrastructure client interface will use. If all of your wireless equipment support WPA2, then set the infrastructure client security for WPA2-AES. If some of your wireless devices can only connect with WPA-TKIP, then check both the **WPA-TKIP** and **WPA2-AES** checkboxes. In this configuration, your WPA2 devices will connect to WPA2, and your WPA devices will connect to WPA.

### Infrastructure Client Interface

SSID:  (Range: 2-32 Characters)

Security:

WPA Versions:  WPA-TKIP  WPA2-AES

EAP Method:  PEAP

TLS

Username:

Password:

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

Connection Status: Disconnected

Step 6. In the **EAP Method** field, select either the **PEAP** or **TLS** radio button. The Protected Extensible Authentication Protocol (PEAP) gives each wireless user under the WAP individual usernames and passwords that support AES encryption standards. Transport Layer Security (TLS) requires each user to have an additional certificate to be granted access. If you select PEAP, skip to [Step 14](#).

### Infrastructure Client Interface

SSID:  (Range: 2-32 Characters)

Security:

WPA Versions:  WPA-TKIP  WPA2-AES

EAP Method:  PEAP

TLS

Username:

Password:

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

Connection Status: Disconnected

Step 7. Enter the username and password in the *Username* and *Password* field.

### Infrastructure Client Interface

SSID: TestClient SSID (Range: 2-32 Characters)

Security: WPA Enterprise ▾

WPA Versions:  WPA-TKIP  WPA2-AES

EAP Method:  PEAP

TLS

Username: Admin\_Sr

Password: \*\*\*\*\*

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

Connection Status: Disconnected

Step 8. Select either the **HTTP** or **TFTP** radio buttons in the *Transfer Method* field. Trivial File Transfer Protocol (TFTP) is a simplified unsecure version of File Transfer Protocol (FTP). It is mainly used to distribute software or authenticate devices among corporate networks. Hypertext Transfer Protocol (HTTP) provides a simple challenge-response authentication framework that can be used by a client to provide authentication framework. If you select **TFTP**, skip to [Step 11](#).

### Infrastructure Client Interface

SSID: TestClient SSID (Range: 2-32 Characters)

Security: WPA Enterprise ▾

WPA Versions:  WPA-TKIP  WPA2-AES

PEAP

TLS

Identity: Admin\_Sr

Private Key: \*\*\*\*\*

Certificate File Present:  

Certificate Expiration Date:  

Transfer Method:

HTTP

TFTP

Filename: mini\_httpd.pem

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

Connection Status: Disconnected

**Note:** If a certificate file is already present on the WAP, then the *Certificate File Present* and *Certificate Expiration Date* field will already be filled in with the relevant information. Otherwise, they will be blank.

## HTTP

Step 9. Click the **Browse** button to find and select a certificate file. The file must have the proper certificate file extension (such as .pem or .pfx), otherwise the file will not be accepted.

Infrastructure Client Interface

SSID:	TestClient SSID	(Range: 2-32 Characters)
Security:	WPA Enterprise	<input type="button" value=""/>
<p>WPA Versions: <input checked="" type="checkbox"/> WPA-TKIP <input type="checkbox"/> WPA2-AES</p> <p>EAP Method: <input type="radio"/> PEAP <input checked="" type="radio"/> TLS</p> <p>Identity: Admin_Sr</p> <p>Private Key: ██████████</p> <p>Certificate File Present:</p> <p>Certificate Expiration Date:</p> <p>Transfer Method: <input checked="" type="radio"/> HTTP <input type="radio"/> TFTP</p> <p>Filename: mini_httppd.pem <input type="button" value="Browse..."/></p> <p><input type="button" value="Upload"/></p>		
VLAN ID:	1	(Range: 1 - 4094, Default: 1)
Connection Status:	Disconnected	

Step 10. Click **Upload** to upload the selected certificate file. Skip to [Step 14](#).

## Infrastructure Client Interface

SSID:

TestClient SSID

(Range: 2-32 Characters)

Security:

WPA Enterprise



WPA Versions:



WPA-TKIP



WPA2-AES



PEAP



TLS

Identity

Admin\_Sr

Private Key

\*\*\*\*\*

Certificate File Present:



Certificate Expiration Date:



Transfer Method:



HTTP



TFTP

Filename



mini\_httpd.pem

Upload

VLAN ID:

1

(Range: 1 - 4094, Default: 1)

Connection Status:

Disconnected

The *Certificate File Present* and *Certificate Expiration Date* field will be updated automatically.

## Infrastructure Client Interface

SSID:	TestClient SSID	(Range: 2-32 Characters)																		
Security:	WPA Enterprise <input style="width: 20px; height: 20px;" type="button" value="..."/>																			
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="padding: 5px;">WPA Versions:</td><td style="padding: 5px;"><input checked="" type="checkbox"/> WPA-TKIP <input type="checkbox"/> WPA2-AES</td></tr><tr><td style="padding: 5px;">EAP Method:</td><td style="padding: 5px;"><input type="radio"/> PEAP <input checked="" type="radio"/> TLS</td></tr><tr><td style="padding: 5px;">Identity</td><td style="padding: 5px;">Admin_Sr</td></tr><tr><td style="padding: 5px;">Private Key</td><td style="padding: 5px;">*****</td></tr><tr><td style="padding: 5px;">Certificate File Present:</td><td style="padding: 5px;">yes</td></tr><tr><td style="padding: 5px;">Certificate Expiration Date:</td><td style="padding: 5px;">Dec 26 22:09:59 2019</td></tr><tr><td style="padding: 5px;">Transfer Method:</td><td style="padding: 5px;"><input checked="" type="radio"/> HTTP <input type="radio"/> TFTP</td></tr><tr><td style="padding: 5px;">Filename</td><td style="padding: 5px;"><input type="button" value="Browse..."/> mini_httpd.pem</td></tr><tr><td colspan="2" style="text-align: center; padding: 10px;"><input type="button" value="Upload"/></td></tr></table>			WPA Versions:	<input checked="" type="checkbox"/> WPA-TKIP <input type="checkbox"/> WPA2-AES	EAP Method:	<input type="radio"/> PEAP <input checked="" type="radio"/> TLS	Identity	Admin_Sr	Private Key	*****	Certificate File Present:	yes	Certificate Expiration Date:	Dec 26 22:09:59 2019	Transfer Method:	<input checked="" type="radio"/> HTTP <input type="radio"/> TFTP	Filename	<input type="button" value="Browse..."/> mini_httpd.pem	<input type="button" value="Upload"/>	
WPA Versions:	<input checked="" type="checkbox"/> WPA-TKIP <input type="checkbox"/> WPA2-AES																			
EAP Method:	<input type="radio"/> PEAP <input checked="" type="radio"/> TLS																			
Identity	Admin_Sr																			
Private Key	*****																			
Certificate File Present:	yes																			
Certificate Expiration Date:	Dec 26 22:09:59 2019																			
Transfer Method:	<input checked="" type="radio"/> HTTP <input type="radio"/> TFTP																			
Filename	<input type="button" value="Browse..."/> mini_httpd.pem																			
<input type="button" value="Upload"/>																				
VLAN ID:	1	(Range: 1 - 4094, Default: 1)																		
Connection Status:	Disconnected																			

## TFTP

Step 11. Enter the filename of the certificate file in the *Filename* field.

### Infrastructure Client Interface

SSID:

(Range: 2-32 Characters)

Security:

WPA Versions:  WPA-TKIP  WPA2-AES

EAP Method:  PEAP

TLS

Identity

Private Key

Certificate File Present:

Certificate Expiration Date:

Transfer Method:  HTTP

TFTP

Filename

TFTP Server IPv4 Address:

VLAN ID:

(Range: 1 - 4094, Default: 1)

Connection Status:

Disconnected

Step 12. Enter the TFTP Server address in the *TFTP Server IPv4 Address* field.

## Infrastructure Client Interface

SSID:  (Range: 2-32 Characters)

Security:

WPA Versions:  WPA-TKIP  WPA2-AES

EAP Method:  PEAP

TLS

Identity

Private Key

Certificate File Present:

Certificate Expiration Date:

Transfer Method:  HTTP

TFTP

Filename

TFTP Server IPv4 Address:

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

Connection Status: Disconnected

Step 13. Click the **Upload** button to upload the specified certificate file.

## Infrastructure Client Interface

SSID:  (Range: 2-32 Characters)

Security:

WPA Versions:  WPA-TKIP  WPA2-AES

EAP Method:  PEAP

TLS

Identity

Private Key

Certificate File Present:

Certificate Expiration Date:

Transfer Method:  HTTP

TFTP

Filename

TFTP Server IPv4 Address:

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

Connection Status: Disconnected

The *Certificate File Present* and *Certificate Expiration Date* field will be updated automatically.

### Infrastructure Client Interface

SSID:	<input type="text" value="TestClient SSID"/> (Range: 2-32 Characters)																				
Security:	<input type="button" value="WPA Enterprise"/>																				
<table><tr><td>WPA Versions:</td><td><input checked="" type="checkbox"/> WPA-TKIP <input type="checkbox"/> WPA2-AES</td></tr><tr><td>EAP Method:</td><td><input type="radio"/> PEAP <input checked="" type="radio"/> TLS</td></tr><tr><td>Identity</td><td><input type="text" value="Admin_Sr"/></td></tr><tr><td>Private Key</td><td><input type="text" value="*****"/></td></tr><tr><td>Certificate File Present:</td><td><input type="text" value="yes"/></td></tr><tr><td>Certificate Expiration Date:</td><td><input type="text" value="Dec 26 22:09:59 2019"/></td></tr><tr><td>Transfer Method:</td><td><input type="radio"/> HTTP <input checked="" type="radio"/> TFTP</td></tr><tr><td>Filename</td><td><input type="text" value="mini_httpd.pem"/></td></tr><tr><td>TFTP Server IPv4 Address:</td><td><input type="text" value="192.168.1.20"/></td></tr><tr><td colspan="2"><input type="button" value="Upload"/></td></tr></table>		WPA Versions:	<input checked="" type="checkbox"/> WPA-TKIP <input type="checkbox"/> WPA2-AES	EAP Method:	<input type="radio"/> PEAP <input checked="" type="radio"/> TLS	Identity	<input type="text" value="Admin_Sr"/>	Private Key	<input type="text" value="*****"/>	Certificate File Present:	<input type="text" value="yes"/>	Certificate Expiration Date:	<input type="text" value="Dec 26 22:09:59 2019"/>	Transfer Method:	<input type="radio"/> HTTP <input checked="" type="radio"/> TFTP	Filename	<input type="text" value="mini_httpd.pem"/>	TFTP Server IPv4 Address:	<input type="text" value="192.168.1.20"/>	<input type="button" value="Upload"/>	
WPA Versions:	<input checked="" type="checkbox"/> WPA-TKIP <input type="checkbox"/> WPA2-AES																				
EAP Method:	<input type="radio"/> PEAP <input checked="" type="radio"/> TLS																				
Identity	<input type="text" value="Admin_Sr"/>																				
Private Key	<input type="text" value="*****"/>																				
Certificate File Present:	<input type="text" value="yes"/>																				
Certificate Expiration Date:	<input type="text" value="Dec 26 22:09:59 2019"/>																				
Transfer Method:	<input type="radio"/> HTTP <input checked="" type="radio"/> TFTP																				
Filename	<input type="text" value="mini_httpd.pem"/>																				
TFTP Server IPv4 Address:	<input type="text" value="192.168.1.20"/>																				
<input type="button" value="Upload"/>																					
VLAN ID:	<input type="text" value="1"/> (Range: 1 - 4094, Default: 1)																				
Connection Status:	Disconnected																				

Step 14. Enter the VLAN ID for the infrastructure client interface.

VLAN ID:	<input type="text" value="1"/> (Range: 1 - 4094, Default: 1)
Connection Status:	Disconnected

### Access Point Interface

Step 1. Check the **Enable** checkbox in the *Status* field to enable bridging on the access point interface.

### Access Point Interface

Status:	<input type="checkbox"/> <b>Enable</b>
SSID:	Access Point SSID (Range: 2-32 Characters)
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	None <input type="button" value=""/>
MAC Filtering:	Disabled <input type="button" value=""/>
VLAN ID:	1 (Range: 1 - 4094, Default: 1)

Step 2. Enter the Service Set Identifier (SSID) for the access point in the SSID field. The SSID length must be between 2 to 32 characters.

### Access Point Interface

Status:	<input checked="" type="checkbox"/> Enable
SSID:	Access Point SSID (Range: 2-32 Characters)
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	None <input type="button" value=""/>
MAC Filtering:	Disabled <input type="button" value=""/>
VLAN ID:	1 (Range: 1 - 4094, Default: 1)

Step 3. (Optional) If you do not want to broadcast the downstream SSID, uncheck the **Enable** checkbox in the SSID Broadcast field. It is enabled by default.

### Access Point Interface

Status:	<input checked="" type="checkbox"/> Enable
SSID:	TestSSID (Range: 2-32 Characters)
SSID Broadcast:	<input checked="" type="checkbox"/> <b>Enable</b>
Security:	None <input type="button" value=""/>
MAC Filtering:	Disabled <input type="button" value=""/>
VLAN ID:	1 (Range: 1 - 4094, Default: 1)

Step 4. Choose the type of security to authenticate downstream client stations to the WAP device from the *Security* drop-down list.

**Access Point Interface**

Status:	<input checked="" type="checkbox"/> Enable
SSID:	TestSSID <small>(Range: 2-32 Characters)</small>
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	<input type="button" value="None"/> <input type="button" value="None"/> <input type="button" value="WPA Personal"/>
MAC Filtering:	
VLAN ID:	1 <small>(Range: 1 - 4094, Default: 1)</small>

The available options are defined as follows:

- None — Open or no security. This is the default value. Skip to [Step 10](#) if you choose this.
- WPA Personal — WPA Personal and can support keys of length 8 to 63 characters. The encryption method is either Temporal Key Integrity Protocol (TKIP) or Counter Cipher Mode with Block Chaining Message Authentication Code Protocol (CCMP). WPA2 with CCMP is recommended as it has a more powerful encryption standard, Advanced Encryption Standard (AES) compared to the TKIP that uses only a 64-bit RC4 standard.

Step 5. Check the desired WPA versions from the *WPA Versions* field. Usually, WPA is only chosen if some of the WAPs involved do not support WPA2; otherwise, WPA2 is recommended. WPA2-AES is always enabled.

**Access Point Interface**

Status:	<input checked="" type="checkbox"/> Enable
SSID:	TestSSID <small>(Range: 2-32 Characters)</small>
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	<input type="button" value="WPA Personal"/>
WPA Versions:	<input checked="" type="checkbox"/> WPA-TKIP <input checked="" type="checkbox"/> WPA2-AES
Key:	<input type="text"/> <small>(Range: 8-63 Characters)</small>
Broadcast Key Refresh Rate:	300 Sec <small>(Range: 0-86400, 0 = Disable, Default: 300)</small>
MAC Filtering:	<input type="button" value="Disabled"/>
VLAN ID:	1 <small>(Range: 1 - 4094, Default: 1)</small>

Step 6. Enter the shared WPA key in the *Key* field. The key must be 8-63 characters long, and can include alphanumeric characters, upper and lower case characters, and special characters.

**Access Point Interface**

Status:	<input checked="" type="checkbox"/> Enable
SSID:	TestSSID (Range: 2-32 Characters)
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	WPA Personal ▾
WPA Versions: <input checked="" type="checkbox"/> WPA-TKIP <input checked="" type="checkbox"/> WPA2-AES	
Key: <input type="password" value="*****"/> (Range: 8-63 Characters)	
Broadcast Key Refresh Rate: <input type="text" value="300"/> Sec (Range: 0-86400, 0 = Disable, Default: 300)	
MAC Filtering:	Disabled ▾
VLAN ID:	1 (Range: 1 - 4094, Default: 1)

Step 7. Enter the rate in the *Broadcast Key Refresh Rate*. The rate must be between 0-86400, with a value of 0 disabling the feature. The default is 300.

**Access Point Interface**

Status:	<input checked="" type="checkbox"/> Enable
SSID:	TestSSID (Range: 2-32 Characters)
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	WPA Personal ▾
WPA Versions: <input checked="" type="checkbox"/> WPA-TKIP <input checked="" type="checkbox"/> WPA2-AES	
Key: <input type="password" value="*****"/> (Range: 8-63 Characters)	
Broadcast Key Refresh Rate: <input type="text" value="300"/> Sec (Range: 0-86400, 0 = Disable, Default: 300)	
MAC Filtering:	Disabled ▾
VLAN ID:	1 (Range: 1 - 4094, Default: 1)

Step 8. Choose the type of MAC filtering you wish to configure for the access point interface from the *MAC Filtering* drop-down list. When enabled, users are granted or denied access to the WAP based on the MAC address of the client they use.

**Access Point Interface**

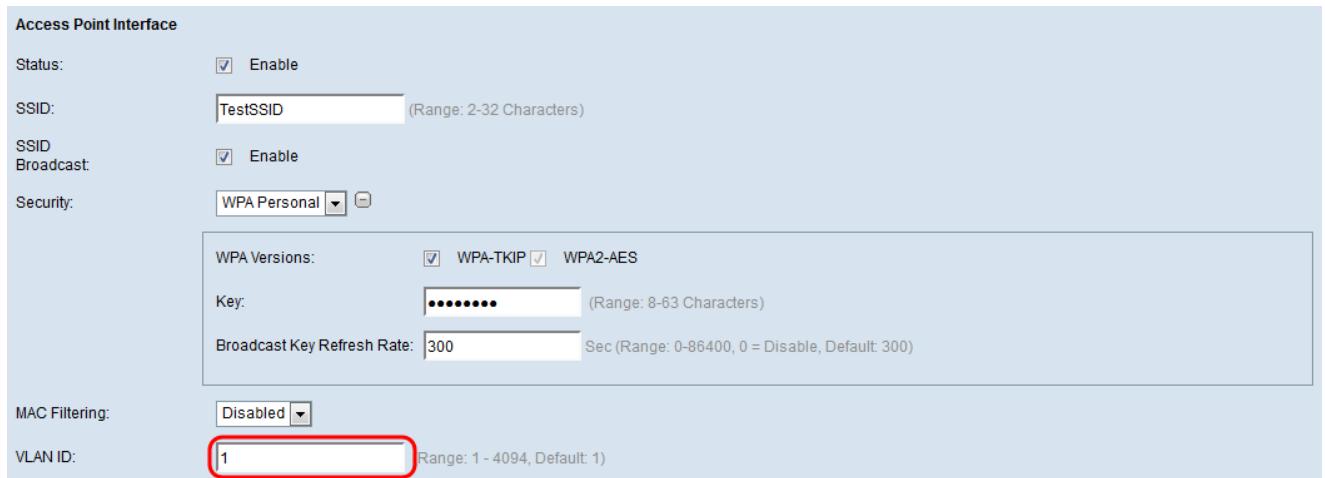
Status:	<input checked="" type="checkbox"/> Enable
SSID:	TestSSID (Range: 2-32 Characters)
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	WPA Personal ▾
WPA Versions: <input checked="" type="checkbox"/> WPA-TKIP <input checked="" type="checkbox"/> WPA2-AES	
Key: <input type="password" value="*****"/> (Range: 8-63 Characters)	
Broadcast Key Refresh Rate: <input type="text" value="300"/> Sec (Range: 0-86400, 0 = Disable, Default: 300)	
MAC Filtering:	Disabled ▾
VLAN ID:	1 (Range: 1 - 4094, Default: 1)

The available options are defined as follows:

- Disabled — All clients can access the upstream network. This is the default value.

- Local — The set of clients that can access the upstream network is restricted to the clients specified in a locally defined MAC address list.
- RADIUS — The set of clients that can access the upstream network is restricted to the clients specified in a MAC address list on a RADIUS server.

Step 9. Enter the VLAN ID in the *VLAN ID* field for the access point client interface.



The screenshot shows the 'Access Point Interface' configuration page. It includes fields for Status (Enable), SSID (TestSSID), SSID Broadcast (Enable), Security (WPA Personal), WPA Versions (WPA-TKIP, WPA2-AES selected), Key (redacted), Broadcast Key Refresh Rate (300), MAC Filtering (Disabled), and VLAN ID (1). The 'VLAN ID' field is circled in red.

Access Point Interface	
Status:	<input checked="" type="checkbox"/> Enable
SSID:	TestSSID (Range: 2-32 Characters)
SSID Broadcast:	<input checked="" type="checkbox"/> Enable
Security:	WPA Personal
WPA Versions:	<input checked="" type="checkbox"/> WPA-TKIP <input checked="" type="checkbox"/> WPA2-AES
Key:	[REDACTED] (Range: 8-63 Characters)
Broadcast Key Refresh Rate:	300 Sec (Range: 0-86400, 0 = Disable, Default: 300)
MAC Filtering:	Disabled
VLAN ID:	1 Range: 1 - 4094, Default: 1

**Note:** To allow the bridging of packets, the VLAN configuration for the access point interface and wired interface should match that of the infrastructure client interface.

[\*\*Step 10.\*\*](#) Click **Save** to save your changes.

WorkGroup Bridge Mode:  Enable

#### Radio Setting Per Interface

Select the radio interface first, and then enter the configuration parameters.

Radio:  Radio 1 (2.4 GHz)  
 Radio 2 (5 GHz)

#### Infrastructure Client Interface

SSID: TestClient SSID (Range: 2-32 Characters)

Security: WPA Personal

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

Connection Status: Disconnected

#### Access Point Interface

Status:  Enable

SSID: TestSSID (Range: 2-32 Characters)

SSID Broadcast:  Enable

Security: WPA Personal

MAC Filtering: Disabled

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