Filtro MAC per SSID su RV130W

Obiettivo

Il filtro MAC consente di autorizzare o negare l'accesso alla rete wireless in base all'indirizzo MAC (hardware) del dispositivo richiedente. Poiché RV130W supporta più di un SSID (Service Set Identifier), ovvero un identificativo univoco a cui i client wireless possono connettersi, è possibile impostare il filtro MAC per ogni SSID. È ad esempio possibile immettere gli indirizzi MAC di un gruppo di computer e consentire l'accesso alla rete solo a tali computer. In questo modo è possibile gestire in modo efficace i membri della rete. È possibile configurare il filtro MAC per ciascuna rete wireless sull'RV130W.

Lo scopo di questo documento è spiegare come configurare le impostazioni del filtro MAC sulla RV130W.

Dispositivi interessati

RV130W

Fasi della procedura

Passaggio 1. Accedere all'utility di configurazione Web e scegliere **Wireless > Impostazioni** di base. Viene visualizzata la pagina *Impostazioni di base*:

Basic Settings												
Radio: I Enable												
Wirel	Wireless Network Mode: B/G/N-Mixed -											
Wirel	ess Band Selec	ction:	◉ 20MHz [©] 20/40MHz									
Wirel	ess Channel:		Auto 🚽									
AP M	anagement VLA	AN:	1 👻									
U-AP	SD (WMM Pow	er Save): [Enable									
30.00												
Wir	eless lable						Wireless Isolation				Captive Portal	1
Wir	Enable SSID	SSID Name	SSID Broadcast	Security Mode	MAC Filter	VLAN	Wireless Isolation with SSID	WMM	Max Associated clients	WPS	Captive Portal Portal Profile	l Enable
Wir	Enable SSID	SSID Name	SSID Broadcast	Security Mode WPA2-Personal	MAC Filter Disabled	VLAN 3	Wireless Isolation with SSID	WMM V	Max Associated clients	WPS	Captive Portal Portal Profile cisco1	I Enable
Wir	Enable SSID	SSID Name SSIDName ciscosb2	SSID Broadcast	Security Mode WPA2-Personal Disabled	MAC Filter Disabled Disabled	VLAN 3	Wireless Isolation with SSID	WMM V	Max Associated clients 16 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile	I Enable
Wir	Enable SSID ON OFF	SSID Name SSIDName ciscosb2 ciscosb3	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled	MAC Filter Disabled Disabled Disabled	VLAN 3 1 1	Wireless Isolation with SSID	WMM	Max Associated clients 16 0 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile Please select a Profile	I Enable
Wir	CN COFF COFF COFF	SSID Name SSIDName ciscosb2 ciscosb3 ciscosb4	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled Disabled	MAC Filter Disabled Disabled Disabled Disabled	VLAN 3 1 1 1	Wireless Isolation with SSID	WMM	Max Associated clients 16 0 0 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile Please select a Profile Please select a Profile	I Enable ▼ √ ▼ □ ▼ □
	Enable SSID	SSID Name SSIDName ciscosb2 ciscosb3 ciscosb4 Edit Securi	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled Disabled AC Filtering	MAC Filter Disabled Disabled Disabled Time of Day Acces	VLAN 3 1 1 1 255	Wireless Isolation with SSID	WMM V V V	Max Associated clients 16 0 0 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile Please select a Profile Please select a Profile	I Enable
	eless lable Enable SSID OFF OFF Edit	SSID Name SSIDName ciscosb2 ciscosb3 ciscosb4 Edit Securi	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled Disabled AC Filtering	MAC Fitter Disabled Disabled Disabled Disabled Time of Day Acce	VLAN 3 1 1 1 255	Wireless Isolation with SSID	WMM	Max Associated clients 16 0 0 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile Please select a Profile Please select a Profile	I Enable
Vir	eless lable Enable SSID ON OFF OFF Edit Ve Ca	SSID Name SSIDName ciscosb2 ciscosb3 ciscosb4 Edit Securi	s SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled Disabled AC Filtering	MAC Filter Disabled Disabled Disabled Disabled Time of Day Acce	VLAN 3 1 1 1 255	Wireless Isolation with SSID	WMM V V V V V V V V V V	Max Associated clients 16 0 0 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile Please select a Profile Please select a Profile	I Enable

Passaggio 2. Selezionare la casella di controllo dell'SSID (Service Set Identifier) che si desidera modificare. Fare clic sul pulsante **Modifica filtro MAC** per configurare il filtro MAC per un SSID.

Rac Wir	lio:											
Wir		V Ena	able									
	Wireless Network Mode: B/G/N-Mixed -											
Wir	eless Band Sele	ction: 🔍 20M	MHz 🔘 20/40MHz									
Wir	eless Channel:	Auto	•									
AP	Management VL	AN: 1 👻										
U-A	PSD (WMM Pow	er Save): 🔽 Ena	able									
N	ireless Table											
E	Enable SSID	SSID Name	SSID Broadcast	Security Mode	MAC Filter	VLAN	Wireless Isolation with SSID	WMM	Max Associated clients	WPS	Captive Portal Portal Profile	Enable
	Enable SSID	SSID Name SSIDName1	SSID Broadcast	Security Mode WPA2-Personal	MAC Filter Disabled	VLAN 3	Wireless Isolation with SSID	WMM ✓	Max Associated clients	WPS	Captive Portal Portal Profile cisco1	Enable
	Enable SSID	SSID Name SSIDName1 ciscosb2	SSID Broadcast	Security Mode WPA2-Personal Disabled	MAC Filter Disabled Disabled	VLAN 3 1	Wireless Isolation with SSID	WMM	Max Associated clients 16 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile	Enable
	Enable SSID	SSID Name SSIDName1 ciscosb2 ciscosb3	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled	MAC Filter Disabled Disabled Disabled	VLAN 3 1 1	Wireless Isolation with SSID	WMM V V	Max Associated clients 16 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile Please select a Profile	Enable
	Enable SSID	SSID Name SSIDName1 ciscosb2 ciscosb3 ciscosb4	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled Disabled	MAC Filter Disabled Disabled Disabled Disabled	VLAN 3 1 1	Wireless Isolation with SSID	₩MM ✓ ✓ ✓ ✓	Max Associated clients 16 0 0 0 0	WPS	Captive Portal Portal Profile cisco1 Please select a Profile Please select a Profile Please select a Profile	Enable
	Enable SSID	SSID Name SSDName1 ciscosb2 ciscosb3 ciscosb4 Edit Security Mod	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled C Filtering	MAC Filter Disabled Disabled Disabled Time of Day Acc	VLAN 3 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Wireless Isolation with SSID	₩MM √ √ √ √	Max Associated clients 16 0 0 0	WPS	Captive Portal Portal Profile Cisco1 Please select a Profile Please select a Profile Please select a Profile	Enable
	Enable SSD	SSID Name SSDName1 ciscosb2 ciscosb3 ciscosb4 Edit Security Mod	SSID Broadcast	Security Mode WPA2-Personal Disabled Disabled C Filtering	MAC Filter Disabled Disabled Disabled Time of Day Act	VLAN 3 1 1 1 cess	Wireless Isolation with SSID	WMM	Max Associated clients 16 0 0 0	WPS	Captive Portal Portal Profile Cisco1 Please select a Profile Please select a Profile Please select a Profile	Enable

Viene visualizzata la pagina Filtro MAC:

Vireless MAC Filter					
SSID: SSIDName1					
Wireless MAC Filter: Enable					
Connect	tion Control				
O Prev	ent PCs listed below from a	accessing the wirele	ess network.		
Perr	nit PCs listed below to acce	ess the wireless net	work.		
s	how Client List				
	ddaaaa Tabla				
No.	MAC Address	No.	MAC Address	No.	MAC Address
01		23		45	
02		24		46	
03		25		47	
04		26		48	
05		27		49	
06		28		50	
07		29		51	
08		30		52	
09		31		53	
10		32		54	
11		33		55	
12		34		56	
13		35		57	
14		36		58	
15		37		59	
16		38		60	
1/		39		61	
10		40		62	
20		41		64	
21		43		04	
22		44			
Save	Cancel Ba	ack			

Passaggio 3. Nel campo *Filtro MAC wireless*, selezionare la casella di controllo **Abilita** per abilitare il filtro MAC per l'SSID selezionato.

SSID: SSIDName1
Wireless MAC Filter: 🔲 Enable
Connection Control
Prevent PCs listed below from accessing the wireless network.
Permit PCs listed below to access the wireless network.
Show Client List

Passaggio 4. Nel campo **Controllo connessione**, scegliere il pulsante di opzione corrispondente al tipo di accesso che si desidera concedere alla rete wireless.

SSID:	SSIDName1						
Wireless MAC Filter:	🗷 Enable						
Connection Control	Connection Control						
 Prevent PCs listed below from accessing the wireless network. Permit PCs listed below to access the wireless network. 							
Show Client L	ist						

Le opzioni disponibili sono definite come segue:

•Prevenzione — Impedisce ai dispositivi con gli indirizzi MAC elencati nella *Tabella indirizzi MAC* di accedere alla rete wireless. Prevenzione (Prevent) è l'opzione di default. Tutti i dispositivi non elencati nella *tabella degli indirizzi MAC* saranno in grado di accedere alla rete.

·Permit (Autorizza) - Consente ai dispositivi con gli indirizzi MAC elencati nella *tabella degli indirizzi MAC* di accedere alla rete wireless. I dispositivi non elencati nella *tabella degli indirizzi MAC* non saranno in grado di accedere alla rete.

Passaggio 5. Per visualizzare i computer e altri dispositivi nella rete wireless, fare clic su **Mostra elenco client**.

SSID:	SSIDName1						
Wireless MAC Filter:	Enable						
Connection Control	Connection Control						
Prevent PCs liste Permit PCs liste	 Prevent PCs listed below from accessing the wireless network. Permit PCs listed below to access the wireless network. 						
Show Client L	ist						

Viene visualizzata la tabella Elenco client:

SSID: Wireless MAC Filter:	SSIDName1					
Connection Control						
 Prevent PCs liste Permit PCs liste 	 Prevent PCs listed below from accessing the wireless network. Permit PCs listed below to access the wireless network. 					
Hide Client Lis	t					
You must save before	e you can edit or delete.					
Client List Table						
Client Name	IP Address	MAC Address	Status	Save to MAC Address Filter List		
		55: 55:55:55: 55:55	Connected			
		55:55:55:55:55:5A	Connected			
Add to MAC						

Passaggio 6. Selezionare la casella di controllo nel campo *Salva in elenco di filtri indirizzi MAC* per i dispositivi che si desidera aggiungere alla *Tabella indirizzi MAC*. Se il dispositivo non è elencato nella *tabella Elenco client*, assicurarsi di connetterlo alla rete wireless.

SSID: Wireless MAC Filter:	SSIDName1 ter: V Enable					
Connection Control O Prevent PCs listed below from accessing the wireless network. O Permit PCs listed below to access the wireless network.						
Hide Client Lis	st e you can edit or delete.					
Client List Table						
Client Name	IP Address	MAC Address	Status	Save to MAC Address Filter List		
		55: 55:55:55: 55:55	Connected			
		55:55:55:55:55:5A	Connected			
Add to MAC						

Passaggio 7. Fare clic su **Add to MAC** per aggiungere i dispositivi selezionati nella *tabella Client List* alla *tabella MAC Address*.

SSID: Wireless MAC Filter:	SSIDName1 I Enable					
Connection Control Prevent PCs list Permit PCs liste Hide Client List You must save before	Connection Control Prevent PCs listed below from accessing the wireless network. Permit PCs listed below to access the wireless network. Hide Client List You must save before you can edit or delete.					
Client List Table						
Client Name	IP Address	MAC Address	Status	Save to MAC Address Filter List		
		55: 55:55:55: 55:55	Connected			
		55:55:55:55:55A	Connected			
Add to MAC						

I dispositivi vengono aggiunti alla tabella degli indirizzi MAC.

Wireless MAC Filter							
SSID:	SSIDName1						
Wireless MAC Filter:	C Enable						
Connection Control							
 Prevent PCs list Permit PCs list Hide Client Li You must save beform 	Prevent PCs listed below from accessing the wireless network. Permit PCs listed below to access the wireless network. Hide Client List You must save before you can edit or delete.						
Client List Table							
Client Name		IP Address		MAC Address	Statu	S	Save to MAC Address Filter List
				55: 55:55:55: 55:55	Connec	ted	
				55:55:55:55:55:5A	Connec	ted	
Add to MAC							
	-						
MAC Address Tab	le						
No. MAC Ad	dress		10.	MAC Address	N0.	MAC Addr	ess
01 (55:55:	:55:55:55:55	1	23		45		
02		:	24		46		
03		:	25		47		
04		:	26		48		
05		:	27		49		

Passaggio 8. (Facoltativo) Se si desidera aggiungere dispositivi attualmente non connessi al SSID, immettere l'indirizzo MAC del dispositivo nella *tabella degli indirizzi MAC*.

Passaggio 9. Fare clic su Save per salvare le impostazioni.

06	28	50
07	29	51
08	30	52
09	31	53
10	32	54
11	33	55
12	34	56
13	35	57
14	36	58
15	37	59
16	38	60
17	39	61
18	40	62
19	41	63
20	42	64
21	43	
22	44	
Save Cancel Back		