

October 2017

WPA/WPA2 Vulnerability Mitigation

Until the vSZ 3.5 patch code is available, the CVE-2017-13082 PTK Reinstallation Vulnerability can be mitigated by ensuring 802.11r is disabled on any SSID/WLAN and that Mesh is disabled on any AP.

By default, 802.11r and Mesh are disabled. Your network is safe from attack, there is nothing required to be done if those defaults are intact. Otherwise, to mitigate CVE-2017-13082 PTK Reinstallation Vulnerability, follow the instructions to disable 802.11r (on SSID/WLAN) and Mesh (on AP).

Mesh

Verify that Mesh is not enabled for your vSZ 3.5 network (this is the default setting). Navigate to Access Points and select your AP Zone. Click the Edit icon. Under Configure > Mesh, if the Enable Mesh check box is not selected, no further action is needed.



Figure 1: Mesh vSZ 3.5

Under Mesh Options, if the Enable Mesh Networking check box is not selected, no further action is needed.



Figure 2: Mesh vSZ 3.5

If Mesh is enabled, it cannot be disabled for the system. However, the APs can have Mesh disabled. You should only do this if they are not participating in a Mesh link connection or you risk isolating any non-wired AP. To disable Mesh on each AP, select Access Points and Configure for each access point.

"Cheat Sheet" Un-KRACK vSZ 3.5



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ruckus™ Virtual SmartZone - Essentials	AP certificate is expired	•	vSZ-E-Sales 2017-10-18	PoC-40 17:07:29
	Access Doints (145)	1 Online 1	Elegand 142 Off	line
	System - FL-MTHN01 - AP101409	I Onine Z	Plagged 142 Off	in le
General Settings	Addrew Constraints Addrew Constraints Addrew Ministraint Addrew Ministraint Addrew Ministraint Addrew Ministraint Addrew Ministraint Addrew Addrem Constraints Addrew Addrem Constraints Addrem	🖋 Configure	Selecter	More
AP Settings		MAC Address D4:68:4D:24:51:F	AP Name 0 AP101409	
Cluster Maps		74:3E:2B:37:EC:D0 AP101369		
		74:3E:2B:17:4A:70 AP101256		
Certificates		74:3E:2B:37:EE:1	0 AP101413	
Templates		74:3E:2B:37:88:0	0 AP101371	
		6C:AA:B3:27:AD:4	40 AP101412	
Access Points		74:3E:2B:37:98:6	0 AP101372	
Figure 3: Me	esh vSZ 3.5	30.11130.03194.3	o <u>20101410</u>	

Under Mesh Options, Disable Mesh Mode and save your changes.

WLAN Service: 🖉 Enable the W	LAN service on this radio WLAN Service: 🔄 Enable the WLAN service on this radio	
	×	
Model Specific Options	(?)	
Mesh Options	Disabling mesh might cause this AP to become unreachable. Are you sure you want to continue?	V
Hesh Hode: Auto (Wesh role is a Boot AP (Only runs : Neth AP (Only runs) Booble	Yes No	

Figure 4: Mesh vSZ 3.5

802.11r (Fast Roaming)

The Fast BSS Transition (802.11r) feature is found under each Wi-Fi Network (WLAN) configured. This feature is disabled by default. To verify that 11r is not enabled for your WLAN, under WLANs > (Your WLAN Name) > Configure, if the Enable 802.11r Fast BSS Transition check box is not selected, no further action is needed. If it is, deselect it and save your changes.

Ed	it WLAN Co	nfig: [ITDRC]					,
	Access Network: Tunnel WLAN traffic to the controller						
	Authentication Type:	Standard usage (For most regular wireless networks)	O Hotspot (WISPr)	O Guest Access	O Web Authentication		
		Hotspot 2.0 Access	 Hotspot 2.0 Secure Onboarding (OSEN) 	WeChat			
	Authentication Options	3					
	* Method:						
	Encryption Options						
	Method: WPA2 WPA-Mixed WEP-64 (40 bits) WEP-128 (104 bits) Nane						
	* Algorithm: AES AUTO						
	Passphrase:			Show			
	802.11r Fast Roaming:	Enable 802.11r Fast BSS Transition					
	* 802.11w MFP:	Disabled Capable Required					
		1					
					ок	Cancel	
Fig	ure 5: 80	2.11r vSZ 3.5					