

8.8MR2 SOFTWARE Interim/BETA RELEASE NOTES Build 8.8.114.132

Base Code: 8.8.111.0
Beta Build: 8.8.114.132

8.8MR2 Interim/Beta Release 3rd Refresh.

The following Beta software is posted on the Shares.cisco.com

Image Name	MD5 Checksum	Supported Platforms
AS_3500_8_8_114_132.aes	358c6234a97088fe8d0e6a323bcd5947	Beta software for 3500
AS_7500_8_8_114_132.aes	4760ad288309544e262a285cf8f1ae15	Beta software for 5520, 8540 series controllers
AS_CTVM_LARGE_8_8_114_132.aes	0a4c534984f79bddaef5d12ea328108b	Beta upgrade software for Large capacity vWLC
AS_CTVM_SMALL_8_8_114_132.aes	e436a3d7ffd86c2d4104bfcef740ccac	Beta upgrade software for Small capacity vWLC
ap3g3-ME-k9w8-tar.201901230428	9b36b98864accb52e8d73cb24fff8ebe	Beta ME code for 2800/3800/4800
ap1g4-ME-k9w8-tar.201901230432	f51439657d168b6d8ac7d48067b81d22	Beta ME code for 1830/1850 APs
ap1g5-ME-k9w8-tar.201901230423	bb3e3c945b0a24daad4d9947fa1757f1	Beta ME code for 1815 APs
ap_bundle_8.8.114.132	f83416e0dc2c8b81e86e66bead6cae0c	AP Bundle

Note: Platforms not supported.

1. 5500/2500/Wism2/7510/8510 WLC Platforms are not supported from 8.6 onwards itself due to planned EOL.
2. Below AP models are not supported from 8.6 onwards itself.
 - AP1600
 - AP3500, AP1260
 - AP2600, AP3600
 - AP801
 - AP802
 - AP1550

Major New Features in 8.8MR2

- [WGB on COS Aps](#)
- [BLE Dongle Solution](#)
- [4K SSID Scale](#)
- [Support for 1840 APs](#)

Wireless Beta Health Monitoring Script

The goal for collecting this information is to get feedback for Initial AP install & Provisioning, WLC & AP constant Health Monitoring, Client monitoring & any focused Test case/use case validations done by customer so to make Beta completely effective for CCO releases.

1. Initial AP Install & Provisioning:

Test Case	Method/Monitoring	
Initial AP Join to WLC	Option 43 - DNS Resolution - Manually Provisioning the AP	
Initial AP provisioning	Prime Infrastructure - GUI on WLC - CLI on WLC -	

2. AP & WLC Health Monitoring:

- The script can be installed on Windows, MAC or Linux system (see the release notes & instructions).
- Customer has to run the script once per day or as appropriately needed. All the collected data will be stored per day/time in single Folder, so just zip the folder and send to Cisco.
- The script is very flexible so user can add or delete their commands for WLC, IOS, COS APs as needed and is described clearly in the Instructions.
- We will then parse this data using internal scripts to detect potential anomalies/failures to report to Development.

<https://upload.cisco.com/cgi-bin/swc/fileexg/main.cgi?CONTYPES=wireless-esc-tools>

(The script will periodically get updated for additions)

Please read the Readme file from the WLANPOLLER for the instructions.

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File Exchange

[HOME](#)
File Exchange

Use this filter to sort files:

Show files uploaded by for To upload files to a forum [click here](#).

Having trouble downloading a file? Please email wireless-esc-tools@cisco.com.
Please include in subject line: name, company and issue. Include problem details in the message body.

Forum : wlanpoller dev

Files	Owner	Date	Size (bytes)	Delete
wlanpoller-0.7.1.dev90_md5rcv.tar.gz wlanpoller with IOS AP file system checks	flovison	14-DEC-2017	49686	Delete

Sample Output of the Script:

```
C:\Users\Administrator\Desktop\TFTP Directory\wlanpollersalil>wlanpoller --cli-logging
* Detected local address : 172.19.7.161
* Logging to syslog server : 172.19.7.161
* Logging to console enabled : True
* Logging to file : ./logs/20180105_wlanpoller.log
* Using TFTP address : 192.200.10.205
* Using TFTP IPv6 address : self
* Using FTP address : 172.19.7.161
* Transfer mode : tftp
* Poller enable : True
* Event enable : False
* DFS trace enable : False
* WLC config backup : False
* WLC AP crash upload : False
* AP IOS File systems check : True
* AP IOS File systems recover : False
2018-01-05 16:21:51,663 wlanpoller INFO: Importing MD5 DB from: .\ap_md5_db.json
2018-01-05 16:21:51,694 wlanpoller INFO: Connecting to WLC 1 at 83.83.83.82:22 using ssh
2018-01-05 16:21:58,526 wlanpoller INFO: 36021_4ad7_gig45_swC_C46 : AIR-CAP36021-A-K9 - Connected - IP addr: 13.13.0.106
2018-01-05 16:21:58,526 wlanpoller INFO: 36021_4ad7_gig45_swC_C46 : AIR-CAP36021-A-K9 - Collecting poller output
2018-01-05 16:21:58,542 wlanpoller INFO: 36021_4ad7_gig45_swC_C46 : AIR-CAP36021-A-K9 - Running file systems checks
```

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Resolved Caveats

8.8.114.132

CSCvi06408	Wave 1 AP failed to send DHCP packet to wired side under VLAN Override
CSCvj71928	Cisco Aironet 1560, 1815, 2800 and 3800 Series Access Point Console Brute Force Protection
CSCvk41603	WLC - Unable to add/delete DCA channels in RF-Profile while Channel width configured as 80 MHz.
CSCvk68688	Client traffic seen on the 5508 Standby Hot WLC causing mac flapping on switch
CSCvm73244	AP3800 in sniffer mode not capturing ACK,RTS in 8.7 and 8.8 CSCvf74377
CSCvn04046	Cisco 2800,3800 AP does not map the DSCP to the correct WMM UP Value for FlexConnect Local Switching
CSCvn07126	Cisco FlexConnect - Cisco 2802 AP's lowers the priority UP on QoS on the downlink transmit
CSCvn23565	Cisco 702w AP enables POE in LAN 4 before joining Cisoc WLC after reboot
CSCvn25524	Throughput is low with Port 2 with 1 Gig SFP on 8540/5520
CSCvn27144	Unable to restore 802.11ac MCS parameter
CSCvn47094	CLI not taking all the commands sent via "paste"
CSCvn49888	702, 1532 AP has tracebacks and beacons stuck with load 8.5.140.0
CSCvn50968	Invalid web-auth https-redirect command in startup-config
CSCvn53514	AP Syslog Facility does not work on IOS AP
CSCvn66715	3800 AP stops passing traffic under client with Interl NIC 8260/8265 load in MU-MIMO deployment
CSCvn80147	BPDU frames are forwarded by the COS AP causing the switch to AP err-disabling port
CSCvn98598	FT 802.1x clients are not able to authenticate to COS AP after Master AP failover
CSCvo02206	Frequent DFS detection - MVL DFS fix
CSCvo04251	dot1x_aaa_eapresp_supp: sending MDNS request to ISE flooding when running "debug client [macaddr]"
CSCvo05093	WLC crash with task name radiusTransportThread
CSCvo06832	Sensor test failed using Open as well as EAP authentication

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CSCvi77141	HA_send_usmDbSpamSetRadSlotBand, ErrType:Apply Config failed on Standby
CSCvi82746	Cisco controller reloads unexpectedly with Task Name SISF BT Process
CSCvj48316	AP3700: process "QoS stats process" causes unexpected reloads
CSCvk42388	8.3 Flex connect Group is not showing all the APs using GUI
CSCvm84941	Cisco 1600, 1700 APs: memory leak due to packets accumulation
CSCvn17267	702AP: WGB is disconnectig from root AP 'parent lost: Too many retries' RTS when root AP is offchanl
CSCvn20446	Wireless client moves from local switching SSID to central switching SSID DHCP traffic gets dropped

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CSCvn32314	Alpha: wcpd crashed seen on 8.8.114.54
CSCvk79597	Frequent DFS detection
CSCvn42184	8.8MR2:"/usr/sbin/nginx-helper: line 115: retry++: not found" flooding on 1562 ME WLC Console
CSCvn54782	IGMP snooping needs to be enabled for Local Mode Local switching RLAN.
CSCvn55904	WLC modified FlexACLs rules are not populated on the Flex AP
CSCvn61436	Cisco 5520 controller reloads unexpectedly on taskname : NFV9_Task
CSCvn66293	3802 AP relays CDP Packets from wireless devices using Cisco IP Communicator to the switch
CSCvn68423	Passive client config is lost upon WLC Reload or HA failover
CSCvn68501	WLC LSC : Device certificate can't be installed and showing as "Not Present"
CSCvn71004	WLC Mbuf allocation problem / Mbuf Max reached

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CSCvi84734	Cisco 702w AP: client intermittently cannot connect- decrypt errors
CSCvj97602	WLC Client RSSI and SNR values to be updated as part of Assoc & reassoc request processing
CSCvk36887	Some clients cannot associate because their entry is not getting deleted at the WLC.
CSCvm11060	WLC: After soft-roam of client, client is not able to see new Apple TV from associated AP-Grp VLAN
CSCvm51648	Cisco WLC open auth guest clients unable to pass traffic and PEM state struck in STATICIP_NOL3SEC
CSCvm60915	Cisco 3800 AP stops passing traffic under client load in MU-MIMO deployment
CSCvm62619	Cisco controller reloads unexpectedly with task emweb after 'debug flexconnect' command is typed
CSCvm69246	Cisco controller applying wrong interface policy to re-associated client after SSO
CSCvm80592	Cisco 2800 AP reloads unexpectedly with ERROR TAMD device 'ap-tam' heartbeat failure
CSCvm83223	AP1832: Kernel panic: PC is at _raw_spin_lock+0x44/0x84
CSCvm90337	Cisco 18xx APs unexpectedly reload due to 'radio failure(radio recovery failed)'
CSCvn00987	AP group NTP config should take precedence
CSCvn03560	Decrypt errors seen on Cisco 702 AP
CSCvn05881	Phone 8821 has roaming issues with 2802/3802 access points MIC mismatch
CSCvn11947	Cisco 1815w:RLAN port'traffic will get stuck at TX direction after end device restarts several times
CSCvn13314	3802/2802: Default SSID "IP Cheetah" broadcasted during AP boot up
CSCvn18615	Ap's couldn't authenticate with ISE 2.5.0.311 when eap method is set as EAP-FAST
CSCvn27111	Alpha WLC crashed due "pmalloc detected memory corruption spamAP Task4 " on 8.8.114.54
CSCvn27902	%SAFEC-3-SAFEC_ERROR observed while decoding iPSK key from radius

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CSCvn41979	RLAN port is getting an IP address from native VLAN while AP boot for few seconds
CSCvn68752	1542/1562 Failed to get ARP entry for WLC

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Contact wnbu-escalation@cisco.com with any questions.

