

8.8MR1 SOFTWARE Interim/BETA RELEASE

NOTES Build 8.8.114.48

Base Code: 8.8.100.0

First Beta Build: 8.8.114.48

8.8MR1 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_48.aes	a016a7e32783aa26cc25d65146e68d5d	Beta software for 3500
AS_7500_8_8_114_48.aes	66b903fccd9bee62c5da2acaf7888894	Beta software for 5520, 8540 series controllers
AS_CTVM_LARGE_8_8_114_48.aes	8c2e64dbf6829039ab1cb125dab97767	Beta upgrade software for Large capacity vWLC
AS_CTVM_SMALL_8_8_114_48.aes	512d757f43820b409f295b65bbef1541	Beta upgrade software for Small capacity vWLC
ap_bundle_8.8.114.48	8b348f95c54d7504d35a71102a7a662c	Beta ME bundle for APs
ap1g4-ME-k9w8-tar.201810300138	f2ecb7b3ba5640446eae0edc83d33f51	Beta ME code for 1830/1850 APs
ap1g5-ME-k9w8-tar.201810300127	ac2e8366b880c1f42f88de10b20ffce5	Beta ME code for 1815 APs
ap3g3-ME-k9w8-tar.201810300132	913734980af672ac8f10d2b1d0665d6e	Beta ME code for 2800/3800/4800 APs

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 8.8MR1

- [iCAP\(Intelligent Capture\)](#)
- [Sensors](#)
- [DNAC Support with Ver 1.2.5](#)
- [WGB on COS Aps](#)
- [IPSK Flex mode P2P blocking](#)
- [L3 reauth for Panasonic](#)
- [Open DNS on ME](#)
- [ME Exands](#)

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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: 3602I_4ad7_gig45_swC_C46 : AIR-CAP3602I-A-K9 - Connected - IP addr: 13.13.0.106
2018-01-05 16:21:58,526 wlanpoller INFO: 3602I_4ad7_gig45_swC_C46 : AIR-CAP3602I-A-K9 - Collecting poller output
2018-01-05 16:21:58,542 wlanpoller INFO: 3602I_4ad7_gig45_swC_C46 : AIR-CAP3602I-A-K9 - Running file systems checks
```

Resolved Caveats

8.8.114.48

CSCvj71373 Ping command does not use management interface as source interface
CSCvk61078 VLAN priority tag inside the EoGRE packet set to non-zero when 802.1p set to none in LOCAL mode
CSCvk62680 Cisco WiSM2 not releasing licenses after reboot
CSCvk73639 WLC to support OUI based Client Profiling
CSCvm10519 Intergrated Management Module (IMM) summary shows a username, which is multiple usernames
CSCvm15625 DCA channel assignment on XOR radio is broken while static 5G assignment
CSCvm34641 WLC is sending packets out to Gateway with DF = 1 when inside header is set DF = 0 - EoGRE
CSCvm37510 Controller crashing due to SNMP memory corruption
CSCvm62202 1852 Kernel Panic at ClientCapabilitiesTracker
CSCvm65360 WLC redirects to internal webauth login page after successful external webauth login
CSCvm71487 2800 /3800 AP dropping the Neighbor Advertisement for Global Ipv6 address
CSCvm97915 WLC includes NULL Bytes within the JSON it posts
CSCvn00564 iCAP: with Partial Packet Capture, all the retried packets are having the original packet timestamp
CSCvm54906 capwapd crashes due to two capwapd instances
CSCvk43025 Local Split and Central path traffic stops after some time with Cisco 2800 APs
CSCvk70185 WLC Smart License : Smart license registration failing for ProductInstance not valid in switchover
CSCvm04408 Cheetah WGB - Fast Roaming PSK with/without over the DS. FT Auth-Response is not received

8.8.104.84

Bug Description

CSCvk35047 WLC stops working when LAG mode is enabled on the AP
CSCvm46823 DNAC Wireless Assurance does not respond to POST causing WLC to timeout & eventually drop data

8.8.104.79

Bug Description

CSCvi04556 SSO failover causes mobility tunnels go down
CSCvj01739 Cisco WiSM2 unexpectedly reloads on task name sshpmLscTask after initial config
CSCvj06837 MAP Wave 1 AP mesh security failures after roaming between 2 parents
CSCvj47460 WiSM2 crash on SNMP task
CSCvj72136 Barbados AP (2800/3800) loses its default gateway reachability
CSCvj72766 UX AP:Primed UX AP reset to UX when SNTP server is configured
CSCvk05150 OpenDNS profile keeps being mapped for client when the username changes
CSCvk15043 Wave 1 APs - AP radio FW image install failure in the bootup loop
CSCvk15068 IOS APs, recovery logic for MD5 checksum failure on primary Image
CSCvk24360 WLC power supply status is incorrect when there is no power supply
CSCvk26519 Cisco 1562 MAP stops sending Block ACK once the Cisco 1572 RAP moves to another controller
CSCvk26563 Cisco 1810W AP running 8.2.170.4 code: 5G radio FW resets @0x009A4F9F
CSCvk41512 APX800 sniffer mode not sending frames with AMSDU 1500 Bytes to destination
CSCvk44959 WLC crash on Taskname 'emWeb'
CSCvk51634 Wave 2 Flex Efficient Upgrade fails as Master AP sends empty image_str to WLC
CSCvk55651 AP1852 failure of association due to set CAPWAP tunnel failed

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CSCvk59498 Cisco 3702 AP: High CPU utilization under NCI Rx. Unable to join the controller
 CSCvk61078 VLAN priority tag inside the EoGRE packet set to non-zero when 802.1p set to none in LOCAL mode
 CSCvk62355 AP2800 running ME image 8.6.101.0, 8.7.106.0 crash in ewContextSendRedirect200->ewaDate
 CSCvk76043 SS-P2:Unable to Associate clients with PSK/dot1x security in Flexconnect Standalone Mode.
 CSCvm00214 WiSM2 memory leak due to hotspot_anqp
 CSCvm05695 AAA override for native VLAN with flexlocal switching not applied to client on Cisco 1562 AP
 CSCvm21666 Cisco 4800 series AP takes pre-download of unsupported code
 CSCvm25082 EoGRE clients ARP Response inside CAPWAP gets corrupted
 CSCvm26277 RLAN multicast does not work with local mode local switch - 1815w
 CSCvm32197 WLC crash on webauth_redirect_main task
 CSCvm43028 8.8MR1:Number of DX messages in sync Queue ... 440001[805520.362884] Controller crashedQueue
 CSCvm46810 WLC System Crash in Dot1x_NW_MsgTask_7 due to validateWpaKeyStateSTART
 CSCut85555 APF_HA-3-SYNC_RETRANSMIT_FAIL Messages in show msglog
 CSCvg76166 Channel utilization changes to 0% on Marvell chipset based Cisco Wave 1 APs
 CSCvi82147 Failed to set Country Codes when WLC has redundant country codes CA2, KR, PH2, US2, USL, USX
 CSCvi92170 Cisco 1800 series APs falsely shows 100% channel utilization on 5GHz
 CSCvj08387 WLC stopped working on spamApTask6
 CSCvj23106 RX-SOP global configuration not applied to new Access Points
 CSCvj60609 vWLC Webauth not working
 CSCvj65449 AIR-AP1562D-E-K9 with regulatory domain Kazakhstan does not join the WLC
 CSCvj70604 Mesh APs MAP Best-Effort tx queue stuck
 CSCvj73077 Cisco 1810W APs may have power denied from older POE 802.3af switches
 CSCvj86238 WLC stops working as emWeb spikes to 100% CPU usage after executing "show run-config"
 CSCvk00884 The WLC is replying with the wrong value for the following OID: bsnAPIfProfileParamAssignment
 CSCvk02153 Wave 1 AP WLAN Client Stats cldcClientDataRetries counter is zero
 CSCvk09513 AP is not downloading the WLC 85Mr3 image rather it says image is already in the backup
 CSCvk18752 Cisco 1815AP: Incorrect VCI string of DHCP option 60
 CSCvk23577 Client is unable to connect due to the "Failed to create a timer" error
 CSCvk25593 Cisco 1542, 1815I APs - Ethernet interface flapping when connected to 100Mbit switchports
 CSCvk36463 Support Bundle output only generates WSA core bundle when WSA is enabled
 CSCvk41249 WLC 8.7 doesn't present full certificate chain on webauth guest portal
 CSCvk56651 BSSID/Client Rate Limit prevent clients to pass traffic on Mobility Express
 CSCvk62055 Cisco Wave 2 APs Preimage download fails after 64 retries with poor WAN link
 CSCvk72075 WLC is sending incorrect counter value for the broadcast and multicast through SNMP
 CSCvm04245 Cisco 1810W AP reports low power after requesting and receiving 14.2W after upgrading to 8.5.131.0
 CSCvg80634 WLC msglogs flooded with DNS-3-GETADDRINFO_SUCCESS every 10mins with DNS for NTP

8.8.104.40

Bug Description

CSCut85555 APF_HA-3-SYNC_RETRANSMIT_FAIL Messages in show msglog
 CSCvk15043 Wave 1 APs - AP radio FW image install failure in the bootup loop
 CSCvk59498 AP3702 High CPU Utilization under NCI Rx. Unable to join WLC
 CSCvh87451 Cisco 1832 AP Rx not working with AP not responding to probe requests
 CSCvi51536 Access Point is not sending TCP fragments over the air
 CSCvk26519 1562 MAP stops sending Block ACK once the 1572 RAP moves to another WLC
 CSCvk26563 AP1810W 5G radio FW assert @0x009A4F9F 8.2.170.4
 CSCvk51634 Wave 2 Flex Efficient Upgrade fails as Master AP sends empty image_str to WLC
 CSCvk55651 AP1852 failure of association due to set CAPWAP tunnel failed
 CSCvk62055 COS AP Preimage download fails after 64 retries with poor WAN link

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CSCvk63215 Cisco 1852 series APs Kernel Panic due to NSS memory corruption
 CSCvk63459 3802, 4800 AP drops packets larger than 1426 (inner IP) with VxLAN
 CSCvm04245 1810W AP reports low power after requesting and receiving 14.2W after upgrading to 8.5.131.0
 CSCvi25532 Standby 8540 WLC-reloads unexpectedly with rmgrMain due to IPC timeout
 CSCvi85834 New Mobility CAPWAP control keepalive should not plumb keys when receiving unencrypted responses
 CSCvi90766 Cisco AP with regulatory domain Morocco cannot join the Cisco WLC
 CSCvj23106 RX-SOP global configuration not applied to new Access Points
 CSCvj39005 Wireless Clients losing L2VNID override when performing Switchover on Cisco 5520 WLC
 CSCvj47445 Cisco WLC sending CAPWAP discovery response when it has no available licenses
 CSCvj47460 WiSM2 crash on SNMP task
 CSCvj86238 WLC stops working as emWeb spikes to 100% CPU usage after executing "show run-config"
 CSCvj99694 WLC 5520: 8.8 Beta - SNMPTask systemCrash 8.8.1.149
 CSCvk00884 The WLC is replying with the wrong value for the following OID: bsnAPIfProfileParamAssignment
 CSCvk05150 OpenDNS profile keeps being mapped for client when the username changes
 CSCvk15165 Cisco Controller reloads unexpectedly after modifying SNMP trap controls via GUI
 CSCvk20484 IPC timeout and tracebacks reported on HA pair running 8.5.131.0 (8.5MR3)
 CSCvk22312 hotspot2 OSU SSID is picking profile name
 CSCvk23577 Client is unable to connect due to "Failed to create a timer"
 CSCvk24360 WLC power supply status is incorrect when there is no power supply
 CSCvk25644 WLC HA standby reboots reaching maintenance mode due to missing NaServCaCert_p12.pem on Active
 CSCvk27093 NAS-ID in WLAN cannot be changed in the startup-command after you saved once
 CSCvk36463 Support Bundle output only generates WSA core bundle when WSA is enabled
 CSCvk39948 WLC is not returning the expected prompt when logging in via SSH
 CSCvk41068 Advance IPMI is not set and causing fan noise
 CSCvk41249 WLC 8.7 doesn't present full certificate chain on webauth guest portal
 CSCvk53883 ME GUI: preauth ACL rules disappear if VLAN tagging is enabled on WLAN
 CSCvk56651 BSSID/Client Rate Limit prevent clients to pass traffic on Mobility Express
 CSCvk62355 AP2800 running ME image 8.6.101.0, 8.7.106.0 crash in ewsContexSendRedirect200->ewaDate
 CSCvk72075 WLC is sending incorrect counter value for the broadcast and multicast through SNMP
 CSCvm00214 WiSM2 memory leak due to hotspot_anqp

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