

# TAC Recommended AireOS Builds

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## Introduction

This document describes the way in which the customers can find the most reliable Wireless LAN Controller software available. The Cisco Wireless TAC (Technical Assistance Center) recommends AireOS builds from each train of released AireOS software. These recommendations may be updated on a weekly basis.

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## Escalation Builds/Maintenance Interims

In some cases, the TAC recommended build might be an escalation or maintenance interim/beta build. Such builds are not available on CCO (Cisco.com), but have important bug fixes (beyond what is available in CCO code), and will be operational in production at customer sites for several weeks.

Note that, in some cases, the beta/escalation/interim build will contain support for unreleased features and/or hardware. **TAC does not support unreleased features or hardware** - until official release, such support will come from the Business Unit (BU).

For released features and platforms, these builds are fully supported by TAC and the BU.

In order to request a TAC recommended escalation/maintenance interim build, open a Cisco TAC case on your Wireless LAN Controller contract.

# TAC Recommended Builds

## AireOS 7.0

TAC recommends 7.0.252.0 (latest CCO release). No further 7.0 releases are planned. The recommended migration path is to AireOS 8.0, if the hardware supports it.

## AireOS 7.4

TAC recommends 7.4.150.0 (latest CCO release). No further 7.4 releases are planned. The recommended migration path is to AireOS 8.0.

## AireOS 7.6

TAC does not recommend any 7.6 CCO release, and Cisco does not plan to release any more 7.6 maintenance releases on CCO. The recommended upgrade path for AireOS 7.6 customers is to 8.0.

## AireOS 8.0

For AireOS 8.0 customers, TAC recommends 8.0.152.0.

- Customers with 1700/2700/3700 access points should run 8.0.152.0, or latest 8.2/8.3, due to [CSCus83638](#) (AP 5Ghz Radio Beaconing but not accepting Client Assoc.)

## AireOS 8.1

8.1.131.0 is the final maintenance release of AireOS 8.1, and is deferred. The recommended upgrade path for AireOS 8.1 customers is to 8.2.

## AireOS 8.2

For deployments that require new features or hardware, introduced after 8.0, TAC recommends 8.2.166.0. If using AP-COS APs, watch out for [CSCve57121](#), which causes intermittent traffic loss (fixed in 8.2MR7interim, available from TAC.) If using Prime Infrastructure, beware the [SNMP TxPowerlevel regression](#).

## AireOS 8.3

For deployments requiring feature or hardware, introduced after 8.2, TAC recommends 8.3MR3 escalation code (8.3.133.10 or above), available from TAC, and in [8.3MR4 Interim](#).

TAC does not recommend any 8.3.13x.0 CCO release, due to the catastrophic bug [CSCvf76274, which prevents APs from joining](#). If using Prime Infrastructure, beware the [SNMP TxPowerlevel regression](#). These bugs are fixed in 8.3MR3 escalation and in 8.3MR4 Interim.

## AireOS 8.4

AireOS 8.4 is a short lived release with no maintenance planned, and is deferred. Any deployment that requires post-8.3 features or hardware should run 8.5 instead.

## AireOS 8.5

For deployments that require support for new features and hardware, introduced after 8.3, AireOS 8.5.110.0 is a BU and TAC supported release. Deployments using PI should beware the [SNMP TxPowerlevel regression](#).

8.5.10x.0 should be avoided, for the following reasons:

- using FlexConnect local switching in the [scenarios noted below](#).
- Also beware [CSCvg24597](#) (WLC management vlan zero in kernel causing reachability issues) and the AP join bug [CSCvf76274](#).

## AireOS 8.6

AireOS 8.6.101.0 is a BU and TAC supported release. Customers who require new features that are unavailable in 8.5 will need to run this release.

### Note on FlexConnect with special security scenarios

Deployments with IOS APs using FlexConnect local switching should be aware of the following:

- if using Webauth on MAC filter failure, on a WLAN with L2 security, bug [CSCve77722](#) is a regression that impacts 8.3.121.0, 8.4.100.0 and 8.5.103.0. It is fixed in 8.3.122.0 and 8.5.110.0.
- if using 802.1X with ISE NAC, bug [CSCvf52723](#) is a regression that impacts 8.2.160.0, 8.3.12x.0, 8.4.100.0 and 8.5.103.0. It is fixed in 8.2.161.0, 8.3.130.0 and 8.5.110.0.

### Note on SNMP TxPowerlevel regression bug

Deployments using SNMP/PI should be aware of the following regression:

[CSCve70752](#) snmp issue: Txpowerlevel returns null causing PI WLC sync to not update AP information

This regression affects 8.2.16x.0, 8.3.12x.0 and above, 8.4 and above. It is fixed in 8.3MR3 escalation code (8.3.133.10 or above), available from TAC and in [8.3MR4 Interim](#).

## General AireOS Release Recommendations

For general AireOS Release Recommendations, see:

- [Guidelines for Cisco Wireless Software Release Migration Bulletin](#)
- [Software Research](#)

## Related Information

- Use the [TAC Recommended AireOS discussion thread](#) in Cisco Support Community
- [Technical Support & Documentation - Cisco Systems](#)
- [Cisco Wireless Solutions Software Compatibility Matrix](#) for information on which releases support which hardware platforms