

# Cumulus RMP

## Introducing Cumulus RMP

Cumulus RMP is a network operating system in a ready-to-deploy solution that enables out-of-band management for web-scale networks. It provides an open platform for customers and system integrators to use as is or on which to build rack management applications.

Cumulus RMP shares the same architecture, foundation, and user experience with Cumulus Linux. However, the feature set is customized to the needs of out-of-band management. For a comparison of the features supported in Cumulus RMP, [see below](#).

You can also find more information about Cumulus RMP [here](#).



## What's New in Cumulus RMP

Cumulus RMP 3.7.0 contains several bug fixes and the following new features:

- [RADIUS Change of Authorization \(CoA\) requests](#)
- [RADIUS AAA local fallback authentication](#)
- [TACACS+ local fallback authentication](#)
- New NCLU commands:
  - [Show the version of a package](#)
  - [Show the interface description \(alias\) for all interfaces on the switch](#)
  - [Change bond mode to IEEE 802.3ad link aggregation mod](#)

For further information regarding bug fixes and known issues present in the 3.7 release, refer to the [product release notes](#).

### ▼ [What's New in Cumulus RMP 3.6.2](#)

Cumulus RMP 3.6.2 contains several bug fixes and the following new feature:

- NCLU commands available for [configuring traditional mode bridges](#)

For further information regarding bug fixes and known issues present in the 3.6.2 release, refer to the [product release notes](#).

### ▼ [What's New in Cumulus RMP 3.6.0](#)

Cumulus RMP 3.6.0 contains several bug fixes and the following new feature:

- Support for a combination of local-as and allowas-in commands

For further information regarding bug fixes and known issues present in the 3.6.0 release, refer to the [product release notes](#).

## Cumulus RMP Features

Cumulus RMP shares much of the same functionality as Cumulus Linux and comes preinstalled on your choice of 1G switches. For more information about each feature, follow the links below to the [Cumulus Linux user guide](#):

Layer 2 Support	Cumulus RMP	Cumulus Linux
<a href="#">LLDP</a>		
<a href="#">PTM</a>		
<a href="#">Ethernet bridging (VLANs)</a>		
<a href="#">Bonds/link aggregation</a>		
<a href="#">MLAG</a>		
<a href="#">LACP</a>		
<a href="#">LACP bypass</a>		
<a href="#">Spanning tree protocol/RST</a>		
<a href="#">802.1Q VLAN tagging</a>		
<a href="#">VLAN-aware bridging</a>		
<a href="#">BPDU guard</a>		

Bridge assurance		
BPDU filter		
VRR		
IGMP and MLD snooping		
Unicast/broadcast storm control		
CDP		
<b>Layer 3 Support</b>	<b>Cumulus RMP</b>	<b>Cumulus Linux</b>
Static routing		
ECMP		
ECMP resilient hashing		
OSPF		
BGP		
FRRouting		
BFD		
IPv6		
Management VRF		
Virtual routing and forwarding (VRF)		
<b>Additional Functionality</b>	<b>Cumulus RMP</b>	<b>Cumulus Linux</b>
Network command line utility		
Interface configuration & management		
802.1X interfaces		
Zero-touch OS install & upgrade		
Installation and package management		
Full Linux extensibility		
Network virtualization (VXLAN, LNV, EVPN, etc.)		
Monitoring & troubleshooting		
AAA		
ACLs		
QoS		
Orchestration		

## Setting up a Cumulus RMP Switch

The [quick start guide](#) walks you through the steps necessary for getting your Cumulus RMP switch up and running after you remove it from the box.