



# Release Notes for SONiC on Cisco 8000 Series Routers, Release 202411.1.2.0



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# SONiC on Cisco 8000 Series Routers, Release 202411.1.2.0

Cisco SONiC Release 202411.1.2.0 introduces new enhancements and critical bug fixes for the Cisco 8000 Series Routers.

The release adds additional validation and bug fixes required to support 8102-28FH-DPU-O and 8201-32FH-O.

In this release, Cisco supports installing Software for Open Networking in the Cloud (SONiC) on these Product IDs on the Cisco 8000 series routers.

- 8101-32FH-O
- 8101-32FH-O-C01
- 8102-64H-O
- 8102-28FH-DPU-O
- 8201-32FH-O

## New software features

This release introduces Dual-ToR (Top of Rack) support for 8101-32FH-O-C01.

## Compatibility

This table outlines the versions of various components included in this release.

**Table 1.** Component version for SONiC on Cisco 8000 Series Routers, Release 202411.1.2.0

Component	Version
Linux Kernel	6.1.0-29-2-amd64
SAI API	1.15.0
FRR	10.0.1-sonic-0
LLDP	1.0.16-1+deb12u1
TeamD	1.31-1
SNMPD	5.9.3+dfsg-2
Python	3.11.2-1+b1
SYNCD	1.0.0
swss	1.0.0
Radvd	1:2.19-1+b1
ISC-DHCP	4.4.3-P1-2
sonic-gnmi version	0.1

Component	Version
redis-server	5:7.0.15-1~deb12u4
redis-tools version	5:7.0.15-1~deb12u4
eventd version	1.0.0-0
mgmt-framework version	1.0-01

## Supported hardware

**Table 2.** Supported hardware for SONiC, Release 202411.1.2.0

Product ID	Description
8101-32FH-O	Cisco 8100 1 RU Chassis with 32x400G QSFP56-DD with Open Software and without HBM on Q200 Silicon.
8101-32FH-O-C01	Cisco 8100 1 RU Chassis with 32x400G QSFP-DD, Open Software, and without HBM on Q200 Silicon.
8102-64H-O	Cisco 8100 2 RU Chassis with 64x100G QSFP28 with Open Software and without HBM on Q200 Silicon.
8102-28FH-DPU-O	Cisco 8100 28x400G QSPFDD DPU enabled, 2RU Fixed Switch, with open Software without HBM
8201-32FH-O	Cisco 8200 32x400G QSPFDD 1RU Fixed System w/HBM

## Related resources

Document	Description
<a href="#">Explore SONiC on Cisco 8000 Series Routers</a>	Provides documentation for installing and deploying SONiC on Cisco 8000 Series Routers.
<a href="#">Explore Cisco 8000 SONiC on Interactive Python Notebooks</a>	Introduces use-case-based documentation for SONiC through Learning Labs, offering guidance on use cases and configurations to facilitate deployment. Additionally, it enables experimentation and customization to meet specific network requirements.
<a href="#">Install SONiC on Cisco 8000 Routers</a>	Provides guidance on installing a new SONiC image on Cisco 8000 series routers, covering two installation methods: Open Network Install Environment (ONIE) and the sonic-installer command.
<a href="#">Cisco 8000 Series Routers Data Sheet</a>	Provides detailed specifications and feature information for Cisco 8000 Series Routers in the Data Sheet.
<a href="#">Cisco Software Download Center</a>	Provides SONiC image download options for Cisco 8000 Series Routers.

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