



Release Notes for SONiC on Cisco 8000 Series Routers, Release 202411.1.1.0



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SONiC on Cisco 8000 Series Routers, Release 202411.1.1.0

This release introduces support for SONiC 202411 on the Cisco 8000 Series Routers.

What’s new

New software features

There are no new software features in this release.

Supported hardware

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

Table 1. Supported Product IDs for SONiC 202411

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.

System requirements

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

Table 2. Component version for SONiC 202411

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

Component	Version
Radvd	1:2.19-1+b1
ISC-DHCP	4.4.3-P1-2
sonic-gnmi version	0.1
redis-server	5:7.0.15-1~deb12u3
redis-tools version	5:7.0.15-1~deb12u3
eventd version	1.0.0-0
mgmt-framework version	1.0-01

Related documentation, tools, and matrices

Table 3. Additional content

Document	Description
Explore SONiC on Cisco 8000 Series Routers	Provides documentation for installing and deploying SONiC on Cisco 8000 Series Routers.
Explore Cisco 8000 SONiC on Interactive Python Notebooks	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.
Install SONiC on Cisco 8000 Routers	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.
Cisco 8000 Series Routers Data Sheet	Provides detailed specifications and feature information for Cisco 8000 Series Routers in the Data Sheet.
Cisco Software Download Center	Provides SONiC image download options for Cisco 8000 Series Routers.

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