Release Notes for SONiC on Cisco 8000 Series Routers, Release 202405cz.2.3.2

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SONiC on Cisco 8000 Series Routers, Release 202405cz.2.3.2

SONiC Release 202405cz.2.3.2 adds support for deploying the Cisco 8101-32FH-O-CO1 in IP Fabric topologies that use BGP. The validation covered the platform capabilities required for the target deployment, including management, dual-stack interfaces, routing, access control, automation, high availability, zero-touch provisioning, quality of service, troubleshooting, and supported optical connectivity. This release also includes the resolved issues listed below.

New software features

There are no new software features introduced in this release.

New hardware

There is no new hardware introduced in this release.

Changes in behavior

There are no changes in behavior in this release.

Resolved issues

Table 1. Resolved issues for SONiC on Cisco 8000 Series Routers, Release 202405cz.2.3.2

Resolved Issues	Description
IPv6 Address were Removed During Zero-Touch Provisioning	With this Fix, Static IPv6 addresses configured on interfaces are now preserved during the zero-touch provisioning process, eliminating the need for an additional configuration reload to restore them.
False System LED and System Health Fault Indication	Adjusted memory threshold alerting to avoid system level health faults when memory consumption is less than 90% and updated memory trend monitoring so it no longer influences system-health or LED status.

Open issues

Table 2. Open issues for SONiC on Cisco 8000 Series Routers, Release 202405cz.2.3.2

Bug ID	Description
CSCwv30133	Port using QSFP-40/100-SRBD in 100G mode is not coming up after image upgrade to 20260607
CSCwv00025	Port using QSFP-100G-CUXM is not coming up between HF6100-32D and non-Hyperfabric platforms

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Known issues

Table 3. Known issues for SONiC on Cisco 8000 Series Routers, Release 202405cz.2.3.2

Known Issues	Description
Express Reboot and Log Rotation Timer Coincidence	In an intermittent timing condition where the log rotation timer expiry exactly coincides with the Express Reboot process, the dockers may perform a cold reboot instead of an express reboot. To prevent this, restart the log rotation timer before the Express Reboot command is triggered.
Intermittent Traffic Loss During Express Reboot	During express reboot, in rare scenarios, a few traffic streams may experience a loss of more than one second. This occurs just after node boots up after express reboot. The system automatically recovers these flows within a few seconds without requiring manual intervention.
Missing MAC in Dataplane During Route Churn	During an intermittent condition with significant route churn, a MAC address may be present in the control plane but missing in the dataplane, causing L2 traffic to be handled as BUM traffic instead of unicast. To resolve this, execute the command vtysh -c " clear bgp l2vpn evpn <neighbor address>" .

Compatibility

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

Table 4. Component version for SONiC on Cisco 8000 Series Routers, Release 202405cz.2.3.2

Component	Version
Linux Kernel	6.1.0-11-2-amd64
SAI API	1.14.0
FRR	8.5.4
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

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Component	Version
swss	1.0.0
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~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 of supported hardware components and the minimum required software versions.

Table 5. Supported hardware for SONiC on Cisco 8000 Series Routers, Release 202405cz.2.3.2

Part Number	Description
8101-32FH-O-CO1	Cisco 8101 1 RU Chassis with 32x400G QSFP-DD with Open Software on Q200L Silicon.
8102-64H-O	Cisco 8100 2 RU Chassis with 64x100G QSFP28 with Open Software and without HBM on Q200 Silicon.

Related resources

Table 6. Related resources

Resource	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.

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Resource	Description
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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