

ribbon™

Edge 8000

Release Notes

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Edge 8000 24.1 Release Notes

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About Edge 8000 24.1.0 Release Notes

This document describes new features, the latest hardware and software requirements, known limitations, and other pertinent information for this release.

Related Documentation

The Edge 8000 24.1.0 documentation is located at the following Ribbon Wiki space: [Edge 8000 Documentation](#) .

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Problems or Questions

For problems or questions, contact the Global Support Assistance Center:

Ribbon Support Portal: <https://ribboncommunications.com/services/ribbon-support-portal>

Voice: +1-833-RIBBON1 (1-833-742-2661)

About Edge 8000 Series Systems

Ribbon built the Edge 8000 series from the ground up. The newly designed platform enables three of the most requested capabilities in one edge device: an up to 10 Gbps router, a full-featured VoIP SBC, and PSTN gateway functionality.




This full-featured Layer 3 edge router can scale up to 10 Gbps, making it ideal for today's cloud-first businesses requiring greater bandwidth to optimize their cloud-based apps and storage.

Ribbon's SBC SWe Edge software delivers market-leading voice and video communications. SBC capacity and capability are flexibly licensed, making it cost-effective for small and large deployments.

Gateway functionality connects internal circuit-switched FXS, FXO, and PRI ports to an outside ITSP.

These Edge 8000 features, functions and capabilities are built on top of a highly extensible and scalable Operating System (OS) that combines an industry-hardened routing module from 6wind and equally industry-hardened SWe Edge SBC functionality.

Release History

Release	Date	Purpose
Release 23.06	 01 Aug 2023	Initial Release
Release 24.0.0	 04 Apr 2024	Major Release
Release 24.1.0	 30 Aug 2024	Major Release

New Features in This Release

The following new features are included in this release:

Issue ID	Feature	Description
AFN-1785	Internal IP changes	The BR3 network used to communicate between the SWe Edge and FXS/FXO/PRI boards now runs using the link local address space, so the operator does not need to configure it. The unified GUI uses the IP assigned to BR2 so only one management IP is required.
AFN-1424	Edge 8000 Unified GUI	A single browser interface is now available to configure host-level capabilities (RAMP, NTP, DNS, etc.), protocol-level SIP/FXS/FXO/PRI configurations, and firewall capability.
AFN-1382	System Status Page	A new GUI page is added to present Edge 8000 summary information, including software version information and SIP/FXS/FXO/PRI port status.
AFN-1197	25 CPS Support	The Edge 8000 now supports 25 calls per second call processing when using a 4-vCPU SWe Edge configuration.
CHOR-11235	V.150 Support	Added V.150 support to provide encrypted communications. This is only applicable when running with RHEL OS.
CHOR-10949	VTP Support	Added VTP support to save bandwidth by combining multiple media streams into a single VTP stream. This is only applicable when running with RHEL OS.

Security Improvements

Issue ID	Summary	Description
AFN-2529	Alma9 support	Upgraded the Alma OS version from Alma8 to Alma9.
AFN-1432	Openssl3 support for Evagent	The evagent used for communication between the Edge 8000 and RAMP now supports openssl3.
AFN-1418	Host level password complexity	The password complexity configuration is now available for host-level accounts.
AFN-1354	Audit logging support	Audit logs are generated for any analog or router configuration change on the GUI.
AFN-1218	FIPS Support	A version of Edge 8000 running on a FIPS-based RHEL9 platform is available; this is a licensed feature.
CHOR-11234	STIG level support	Various STIG requirements are implemented to prepare the Edge 8000 for JITC certification

Refer to [What's New in Edge 8000 Release 24.1](#) for more information about the new features.

Software Upgrade Information and Limitations

Required Software Versions

The following software versions are required for this release and are available for download from the Customer Portal:

Product	Date	File Name	Size	MD5
Edge 8000 24.1.0 Alma9	30 Aug 2024	Edge-8000-ALMA-9.4.13.0-v24.1.0RCbuild231.iso	3438280704	e3dcfd82b861765547070804c6220fbc
Edge 8000 24.1.0 RHEL9	30 Aug 2024	Edge-8000-RHEL-9.4.25.2-v24.1.0RCbuild231.iso	3900702720	80ab536770bfd00409c0e480307936f5

Verify the Image Transferred Correctly to the System

The md5sum as well as the iso image need to be transferred to the Edge 8000.

The sys-tools image install function will verify that the iso image has been correctly transferred by generating the md5 checksum and comparing that to the contents of the md5sum file.

How to Verify Currently Installed Software/Firmware Versions

Beginning with release 24.1, use the Edge 8000 WebUI to verify the currently installed software version. Open the GUI and view the Settings->Home page to display the system version.

For 24.0 GUI follow this procedure - [View Current Software Versions](#)

For 24.1 or earlier the software version information is printed when the user logs into the Linux shell, for example:

```
Last login: Mon Aug 26 13:08:40 2024 from 172.16.27.51
OS    : AlmaLinux 9.4 (Seafoam Ocelot)
Kernel : 5.14.0-427.18.1.el9_4.x86_64
Ribbon : v24.1.0RCbuild192
SweEdge : SBCSWeEdge-disk.12.2.0b17.qcow2
6Wind  : 5.9.0.ga
```

Limitations

Due to the architectural and licensing changes in 24.1, the upgrade and revert procedure from 24.0 to 24.1 has some limitations.

- HA systems cannot be upgraded on either the Edge 8100 or 8300 platforms. Following the upgrade from 24.0 to 24.1, the system needs to be reconfigured as a fresh deployment. This is because configuration was removed due to license incompatibilities and the new network architecture.
- Following the upgrade, customers need to contact support to get the licenses for SWe Edge regenerated. The new architecture changes the way SWe Edge IDs are generated.

- Revert from 24.1 to 24.0 is impossible due to changes in the OS and ventoy software, i.e. upgrading from Alma8 to Alma9. While it's possible to handle this as part of the automated upgrade, a revert is not possible. Customers should take a backup of all configurations using the 24.0 version of sys-tools before the upgrade; in the event of an issue, you must perform a USB installation to revert to 24.0 and then restore the old backup. Contact Ribbon support for assistance for reverting from release 24.1 to release 24.0.
- Customers running releases before 24.0 should upgrade to 24.0 before upgrading to 24.1.
- The users created in the old yang host GUI are not preserved on upgrade to 24.1, only SWe Edge GUI users are preserved.

Resolved Issues

Resolved Issues - Severity 1

None to report.

Resolved Issues - Severity 2/3

Issue ID	Sev	Problem Description	Resolution
AFN-468	2	Cannot configure WAN VLAN on SWe Edge	<p>The Edge 8000 supports the VLAN configuration as part of the new network interface model in release 24.1 and later.</p> <p>You can only assign bridges as extra interfaces to the SWe Edge. VLANs work with bridge interfaces.</p> <p>Workaround: Use untagged frames</p>
AFN-1061	2	When the Signaling/Media IP is set to 'Auto' in the Signaling group, a '503 service unavailable' message displays.	<p>Corrected this issue during the unified GUI development work.</p> <p>Workaround: Configure the Signaling/Media IP as a static interface.</p>
AFN-1287	2	G711U Proxy and G711U-G729 DSP load on 2VCPU	The Edge 8000 supports up to 200 DSP calls.
AFN-1324	4	SNMP Target Address in the SWe Edge is lost after a system reset.	<p>Corrected this issue during the unified GUI development work.</p> <p>Workaround: Set the SNMP Target Address information manually in the SWe Edge GUI.</p>
AFN-1333	2	<p>Call functionality: Basic supplementary calls result in a one-way audio issue.</p> <p>The issue occurs when CUCM is sending SRTP media to the Edge 8000. When resumed, a call hold (MoH) can experience one-way audio.</p>	<p>Applied Edge 8000 changes the SSRC of the media packets after the call is resumed to prevent Cisco from dropping the packets.</p> <p>Workaround: Use RTP instead of SRTP.</p>
AFN-1462	3	Remote syslog server cannot be configured from Yang GUI	<p>The remote syslog server is now configurable as part of the unified GUI development work.</p> <p>Workaround: Configure it via nc-cli</p>
AFN-1509	3	By default, the SIP server IP settings are not shown in the 8000 system GUI.	<p>The SIP-SERVER-IP displays as a 'read-only' value with the hardcoded setting of 169.254.1.120.</p> <p>Workaround: Click create-children 'SIP-SERVER-IP' on SIP-Gateway Global Configuration in the yang GUI to get access to the SIP SERVER IP to configure the SWE Edge IP.</p>

Issue ID	Sev	Problem Description	Resolution
AFN-1581	3	FXO: Call-State for FXO port2 is NOT shown on Yang GUI when FXO port1 is disabled and only FXO port2 is enabled	The code is updated to display the FXO port status correctly. Workaround: Either enable all the ports and then check the call state in the GUI or check the status using a Linux shell. db-magager-ctl cli -> 3 -> proper state is shown for FXO port2.
AFN-1594	3	The Max-FXO-Port setting in the analog Global-Configuration should not be editable	This field is changed to 'read-only' in the GUI. Workaround: Not an issue if the configuration is unmodified.
AFN-1613	3	If the netmask length configured via setupwizard is not a multiple of 8, then setupwizard does not provide the expected IP range for the user to select the SWE Edge IP	For 24.1 and later releases, the unified GUI uses the IP address assigned to the br2 bridge to eliminate this issue. Workaround: Use a netmask length that is a multiple of 8. If you require a netmask length that is not a multiple of 8, contact customer support for assistance.
AFN-1624	3	A DNS server that is bound to a VLAN interface does not start after a reboot until the interface is available and the server is restarted	The code is updated to correct this. Workaround: Fix the physical connection issue and then restart the DNS service: vrf main dns-server enabled false commit vrf main dns-server enabled true commit copy running startup
AFN-1831	2	The SBC SWE primary certificate was removed automatically after upgrading Edge 8000 with the ISO build The certificates were not backed up before the upgrade, so they were not restorable.	The private certificate information is now maintained across upgrades. Workaround: <ol style="list-style-type: none">1. Before upgrading, log into the SWe Edge UI and perform a PKCS12 Export of the key pair and certificate.2. Perform the ISO upgrade.3. Log into the SWe Edge UI and perform a PKCS12 Import of the key pair and certificate exported in step 1.
AFN-1864	2	SFTP is not working The SFTP does not work correctly because file permissions were incorrectly set on the SFTP process within the Edge 8000.	The code is updated to use the correct SFTP settings. Workaround: Use the scp command instead of sftp.
AFN-1873	2	When the netmask on br2 exceeds 24, the SWE Edge management IP is not assigned correctly based on the value provisioned in the setup wizard. The setupwizard had a bug when the combination of BR2 IP and netmask resulted in a value larger than 24 bits, which set the SWE Edge management IP to an unexpected value.	For 24.1 and later releases, the unified GUI uses the IP address assigned to the br2 bridge, so this is not an issue. Workaround: Contact support for a setupwizard patch.

Known Issues

Known Issues - Severity 1

There are no known issues of high severity in this release.

Known Issues - All Other Severities

Issue ID	Sev	Problem Description	Resolution
AFN-3141	2	After multiple switchovers the standby GUI is not accesible. The nginx server is stuck and the GUI is not able to start up. Calls are still preserved on the active instance.	Monitoring will be added in future release to automatically restart the stuck nginx process. Workaround: Restart the GUI Container from the linux shell of the Edge800 podman stop edgeui podman start edgeui
AFN-3134	3	After doing a sys-tools config restore the GUI was not accessible.	Workaround: Run setupwizard and press save without making any other changes or reboot the Edge 8000.
AFN-3128	3	On an 8100 platform the ethernet 2 IP address may show as 169.254.1.120 even though the interface is associated with BR4 or BR5 and not associated with BR3.	In future release this will be changed to leave blank. Workaround: Edit the IP address and set to the required value. No other impact.
AFN-3122	3	The 24.0 version of Edge 8000 had two GUIs one based on the yang model from the host and one SWe Edge based. During upgrade from 24.0 to 24.1 the yang model GUI users are not preserved. The users for SWe Edge are preserved.	This is working at intended. Workaround: New users can be created in the GUI post upgrade.
AFN-3121	3	sym-csm coredump has been observed when the active box restarts. This coredump is generated while the active was going down.	This coredump does not cause any impact to call processing or other services and can be ignored.
AFN-3118	3	The analog port status on the new home page is occiassionally out of sync.	This will be corrected in a future release Workaround: Check the port status from the FXS port level configuration instead.

Issue ID	Sev	Problem Description	Resolution
AFN-3112	3	syn-vtsh process coredump observed while the GUI is starting up. This process is a restartable process and this was a one time occurrence.	The coredump is due to an edge scenario and will be fixed in the next release. Workaround: No impact for this issue. If it happens
AFN-3120	2	When a blind call transfer call flow is active on an HA setup at the point of a switchover the SBC Edge Real-Time Monitor page show the call status as pending. It is observed that occasionally the call is not being preserved over switchover.	Code will be corrected in later release to make sure the call is preserved. Workaround: None.
AFN-3099	3	After initial install when clicking to some pages the GUI might report "Last operation timeout". This could happen due to the system not being fully initialised.	Workaround: Refresh the browser and then repeat.
AFN-3095	3	Some analog REST API commands are not working as expected. 1) When requesting the data on the PRI port information e.g. <code>https://<BR2 mgmt IP>/rest/prisetting/userside/priuser/1/bchannelsetting</code> the responses are missing the channel numbers at the end. 2) When requesting the data for the T1 configuration e.g. <code>https://<BR2 mgmt IP>/rest/prisetting/t1configuration</code> the response also contains data for the last configured port.	These issues will be corrected in the next release. Workaround: The operator can manually edit the response data with the channel numbers in order to request data on a specific channel.
AFN-3094	3	SBC Edge Real-Time Monitor window reports Connection to SBC Failed. This is due to the lighttpd process being stuck.	In a future release there will be checking to restart the process if it gets stuck. Workaround: Restart the GUI Container from the linux shell of the Edge800 <code>podman stop edgeui</code> <code>podman start edgeui</code>

Issue ID	Sev	Problem Description	Resolution
AFN-30 85	3	<p>While running with analog/PRI logging for a long period of time the file <code>/var/log/syslogs</code> filled up the disk and caused the system to reboot into rescue mode.</p> <p>The file <code>/var/log/syslogs</code> needed to be manually removed to free up disk space to allow the Edge 8000 to work correctly.</p>	<p>The logrotation logic will be updated as part of the next release to cover this file.</p> <p>Workaround:</p> <p>Do not enable the PRI or analog subsystems in the logging section of the GUI.</p> <p>If they are enabling it should only be for a short time and then it should be disabled and manually delete the file <code>/var/log/syslogs</code>.</p> <p>Update the file <code>/etc/logrotate.d/edge8k.conf</code> on the host as root to add the top line as <code>/var/log/syslogs</code> and then restart the logrote process - <code>systemctl restart logrotate.service</code></p>
AFN-30 71	3	<p>Deploying HA support on RHEL platform requires support assistance to install licenses.</p> <p>RHEL is a new license feature and no configuration is permitted on the GUI until the appropriate license is installed. However the GUI only allows license.xml file import with a single SWe Edge ID when in standalone mode and with two IDs when in HA mode.</p> <p>Customers purchasing HA support in RHEL would receive license.xml file with two SWe Edge IDs.</p>	<p>This is only an issue for 24.0 to 24.1 upgrades. It will not be an issue for upgrades from 24.1 to later releases.</p> <p>Workaround:</p> <p>Customer will need to contact support to get a license file generated just with RHEL license and a single SWe Edge ID to allow them access to the configuration screens in order to create HA setup and then install the other feature licenses.</p>
AFN-30 57	3	<p>The current license page can display error "No license is availale on the node LM"</p>	<p>This will only appear on initial upgrade from 24.0 to 24.1 due to the SWe Edge license key format changing. The issue is resolved after installing an updated license key from account team.</p> <p>Workaround:</p> <p>Apply the updated SWe Edge license file.</p>
AFN-30 39	3	<p>V150 Secure to unsecure and back to secure calls are not supported when interworking between an SBC 2K and an Edge 8000.</p>	<p>The Vocal stack used on the SBC2000 does not support this functionality. So it cannot be supported while interworking of calls between SBC2000 and Edge 8000. This works ok for Edge 8000 to Edge 8000 calls.</p> <p>Workaround:</p> <p>None. This is not expected under normal use case and works ok for the initial fallback from secure to unsecure.</p>

Issue ID	Sev	Problem Description	Resolution
AFN-3029	3	<p>No visible indication given for mid call switching from G711 to V150.</p> <p>The call details are available from the real-time monitor screen for SIP signaling groups. A blue box means a call is active and pressing it should provide details of the call including the codec used.</p>	<p>There is no issue for calls that are originally setup using V150, this issue is specific to using a re-INVITE to convert to V150. This issue will be fixed in a later release.</p> <p>Workaround: None</p>
AFN-3020	3	<p>VTP call - one way audio after changing interface IP</p> <p>After doing VTP calls if interface IP used for VTP calls is change subsequent VTP calls will have one way audio as the old IP will be used in the VTP packets. The IP change does not get reflected in the networking layer resulting in the media packets being sent to the old IP address.</p>	<p>This will be fixed in a later release.</p> <p>Workaround: Create another SIP server table and add the E8K3 IP. In the VTP SIP SG set the SIP Server Table to the new server table create for E8K3 and delete the SIP server table used for E8K2. This will ensure that VTP calls between E8K1 and E8K3 will have two-way audio.</p>
AFN-2999	2	<p>Even when "Use-REFER-For-Transfer" flag is set to false FXS logic still uses REFER for call transfers.</p> <p>This functionality of this control has not been adapted for use on the Edge 8000 platform.</p>	<p>This will be supported in a later release.</p> <p>Workaround: Call transfers are working with the flag set to true. The SWe Edge processes the REFER and generates an INVITE.</p>
AFN-2995	2	<p>FAX over PRI is failing with Dynamic DSP audio Mode.</p> <p>Fax calls are not working on the Edge 8000 when configured for Dynamic DSP (DDSP) mode.</p>	<p>This will be fixed in later release.</p> <p>Workaround: Configure the Edge 8000 for DSP mode instead of DDSP mode.</p>
AFN-2989	2	<p>Federal Edge: VTP call - one way audio issue observed after changing Peer SBC IP in Sip Server Table.</p> <p>Change the Peer SBC IP address in SIP Server table of Edge 8000 to IP address Y from address X and then make another VTP call. The signaling negotiation happens as expected with the updated IP address, but VTP media still sent to old IP address X.</p>	<p>This will be fixed in later release.</p> <p>Workaround: Reboot the SWe Edge after making the configuration change.</p>
AFN-2972	2	<p>V150 interop with SBC2000 - Secure to unsecure calls go back to G711 codec</p> <p>When user presses secure button, SBC2000 establishes secure call by sending re-Invite with V150 and G711 as the preferred codecs. This causes SBC SWe Edge to switch to G711 with V150. Subsequently, to clear the call to go back to unsecure mode, SBC2000 sends re-Invite with G.723 as the preferred codec along with G711. Since the previously established secure call had G711 as the active code, SWe Edge retains that during unsecure scenario.</p>	<p>The media works ok but requires the additional G711 bandwidth compared to G.723. This will be fixed in a later release.</p> <p>Workaround: None</p>

Issue ID	Sev	Problem Description	Resolution
AFN-28 47	3	<p>HTTP/HTTPS access is not working for LAN clients after Edge8k reboot.</p> <p>It is initially possible to connect to the GUI over packet ports IPs but this stops working after a reboot of the Edge 8000.</p>	<p>Workaround:</p> <p>All of the management traffic to the Edge 8000 should happen over the BR2 management interface.</p>
AFN-28 46	2	<p>DDSP - Both end Hold & then only one end resume, other end/party able to hear audio.</p> <p>When running with the SWe Edge in DDSP mode the SBC is allowing media to flow when one side of the call resumes after both sides had place the call on hold.</p>	<p>This will be fixed in later release. Its an unexpected scenario for both sides of the call to go onhold at the same time.</p> <p>Workaround:</p> <p>Configure in DSP mode instead of DDSP.</p>
AFN-28 14	2	<p>Hold and resume : Audio loss issues observed after hold and resume.</p> <p>Polycom handsets models (VVX411 / VVX601) require RTP SSRC value to be updated with media changes otherwise they do not process media received after hold and resume.</p>	<p>For a future release a new "change ssrc" configuration option will be added, to request the SBC to update the SSRC value on media flow changes.</p> <p>Workaround:</p> <p>Select a different handset or softphone which does not require SSRC changes.</p> <p>Contact customer support, they can provide a debug command to enable SSRC changes on the Edge 8000 but this is not maintained over restarts.</p>
AFN-27 15	3	<p>Unified GUI: Tasks -> Modify Ethernet IP : if one of ethernet interfaces is set to DHCP, then Default IP Route should be hidden.</p>	<p>Modification of the ethernet IPs is not possible with Edge 8000 due to the coupling of bridge interfaces between the router and the SBC Swe Edge.</p> <p>In a later release there will be documentation available on how to change IP subnets etc.</p> <p>Workaround:</p> <p>Reset to factory default to make IP configuration changes unless making very basic alteration e.g. selecting a different IP in the same subnet.</p> <p>Ignore the Default IP Route section on the GUI if using DHCP.</p>
AFN-26 87	2	<p>Allow handling of asymmetric pay load types for V150.</p> <p>As of 24.1 release the V150 configuration requires the same payload type on both ingress and egress call legs.</p>	<p>This will be corrected in later software release.</p> <p>Workaround:</p> <p>None.</p>

Issue ID	Sev	Problem Description	Resolution
AFN-2608	3	<p>Call waiting : No ringtone heard on FXS called user for the new incoming call after disconnecting the first connected call.</p> <p>VOIP1 calls FXS user, FXS user answers , call gets connected. VOIP2 calls FXS user, VOIP2 hears the ringback tone. FXS user hears beep about new incoming call. FXS user hangs up the call , so call gets disconnected with VOIP1. VOIP2 will still have the ringback tone heard but FXS user does not get any ringtone about the call. When FXS user picks the call , it gets connected with VOIP2.</p>	<p>FXS user should get ringtone when old call is disconnected and new call is in progress or in alerting stage.</p> <p>Workaround: None. The call still works ok if the FXS user simply picks up the handset again.</p>
AFN-2074	3	<p>The bridge IPs of the Edge 8000 might not be pingable following a reboot. This is due to the virtual MAC addresses on the bridges changing on a reboot. In general the box should only reboot as part of upgrades or when first enabling HA mode.</p>	<p>As part of the next release the Edge 8000 will automatically send out GARP on reboot.</p> <p>Workaround: From inside the Edge 8000 manually send GARP commands for the IPs assigned to the bridges to update the switches in the network.</p> <pre>arping -c 4 -w 10 -A -I {physical interface} {bridge IP address}</pre> <p>Support can provide a script update so that Edge 8000 sends out GARP messages on reboot.</p>
CHOR-12527	2	<p>There are many default .crt files identified on the box as part of a scan.</p>	<p>These .crt files are repeated in multiple overlay disk directories due to the container backup functionality. appear in multiple places. These files are part of the standard ca-certificates.crt package and are installed due to dependencies with libcurl.</p> <p>There is no harm in these files being present but will be looking to remove them in a future release.</p> <p>Workaround: None</p>
CHOR-12510	3	<p>The evagent process is occasionally (once or twice per hour) using up high CPU.</p>	<p>It is not observed to cause issues to signaling and is being triaged further with target to fix in the next release.</p> <p>Workaround: None</p>
The below issues are applicable from 24.0 onwards.			

Issue ID	Sev	Problem Description	Resolution
AFN-1765	2	<p>ebtable rules provisioned on the 8K are not backed up and restored.</p> <p>iptable rules are stored in 6wind DB and they get backed up and reapplied but ebtable rules are not stored in the 6 wind DB and do not restored.</p>	Use iptables instead of ebtables.
AFN-1584	3	<p>Analog sipua registration: SweEdge updates remote wan sipserver IP : still REGISTER sent to previous sipserver IP by sweEdge</p> <p>If the SIP server IP is changed on the SweEdge while there are existing SIP registration, the SIP register refreshes are still sent to the older IP.</p>	<p>Workaround: Under the analog → global configuration set the Enable-SIPUA to false and then true again to bounce the connection and create a new registration.</p>
AFN-744	2	There is no support for Reg-Info in contact header on Edge 8K	<p>Workaround:</p> <p>None at this time. This is being considered as a feature enhancement for later software release.</p>
AFN-689	2	<p>EM8000: Voice path failures on G.711 to G.723 transcoded calls</p> <p>The G.723 code is CPU intensive and Edge 8000 is only able to cope with a small number of concurrent G.723 calls.</p>	Avoid using G.723 codec

Component Release Notes

Refer to component Release Notes for more information about component's new features, resolved issues, known issues and resolved security vulnerabilities.

Component Release Notes

Components	Version	Release Notes
SBC SWe Edge	12.2.0b29	SBC SWe Edge 12.2.0 Release Notes
6Wind	5.9.0.ga	Ribbon Edge 8000 6Wind Router

What's New in Edge 8000 Release 24.1

Contents

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New Features in This Release

The following new features are included in this release:

AFN-1785	Internal IP changes	<p>The BR3 network used to communicate between the SWe Edge and FXS/FXO/PRI boards now runs using the link local address space, so the operator does not need to configure it.</p> <p>The unified GUI uses the IP assigned to BR2 so only one management IP is required. Refer to article Architecture in Edge 8000 Series Product Overview in the Ribbon Edge 8000 customer documentation.</p>
AFN-1424	Edge 8000 Unified GUI	<p>A single browser interface is now available to configure host-level capabilities (RAMP, NTP, DNS, etc.), protocol-level SIP/FXS/FXO/PRI configurations, and firewall capability. Refer to article User Interfaces in Edge 8000 Series Product Overview in the documentation.</p>
AFN-1382	System Status Page	<p>A new GUI page is added to present Edge 8000 summary information, including software version information and SIP/FXS/FXO/PRI port status. Refer to System Status in the documentation.</p>
AFN-1197	25 CPS Support	<p>The Edge 8000 now supports 25 calls per second call processing when using a 4-vCPU SWe Edge configuration. Refer to Performance in the documentation.</p>
CHOR-11235	V.150 Support	<p>Added V.150 support to provide encrypted communications. This is only applicable when running with RHEL OS.</p>
CHOR-10949	VTP Support	<p>Added VTP support to save bandwidth by combining multiple media streams into a single VTP stream. This is only applicable when running with RHEL OS.</p>

Security Improvements

AFN-2529	Alma9 support	<p>Upgraded the Alma OS version from Alma8 to Alma9. Refer to Operating Systems in Edge 8000 Series Product Overview in the Ribbon Edge 8000 customer documentation.</p>
AFN-1432	Openssl3 support for Evagent	<p>The evagent used for communication between the Edge 8000 and RAMP now supports openssl3.</p>

AFN-1418	Host level password complexity	The password complexity configuration is now available for host-level accounts.
AFN-1354	Audit logging support	Audit logs are generated for any analog or router configuration change on the GUI. Refer to Audit Logging in the documentation.
AFN-1218	FIPS Support	A version of Edge 8000 running on a FIPS-based RHEL9 platform is available; this is a licensed feature.
CHOR-11234	STIG level support	<p>Various Security Technical Implementation Guide (STIG) requirements are implemented to prepare the Edge 8000 for JITC certification.</p> <p>Added enhanced audit and security logging, security-related options to enforce password history reuse, minimum password lifetime, and maximum sessions per user.</p> <p>For more information, refer to:</p> <ul style="list-style-type: none"> • Managing Global Security Options • User Authentication and Directory Services - Alarms • Managing Login Messages