Avaya

Product Support Notice

PSN #	PSN006060u				
Original publication date: 03-Jun-2022. This is Issue #01, published date: 03-Jun-2022.		Severity/risk level	Medium	Urgency	When convenient

Name of problem

Hotfix-1 for SBCE release 10.1.0.0-32-21432

Products affected

Avaya Session Border Controller for Enterprise (ASBCE)

Versions: 10.1.0.0

Description

This Hotfix (sbce-10.1.0.0-34-21958-hotfix-05192022.tar.gz) addresses the following reported issues in 10.1.0.0 GA release. This is a cumulative hotfix and includes the previous Hotfix/Mandatory patch fixes as well.

Note: This hotfix also contains security fixes from LSUPatch-1 (sbce-10.1.0.0-34-21752-LSUPatch-03152022.tar.gz). refer to PSN006034u for details of security fixes.

Jira No.	Issue Description
AURORA-28462	[CRITICAL SECURITY] CVE-2021-44228 and CVE-2021-45046 RCE Vulnerability in Log4J2
AURORA-29265	Observe a lot of xMS errors in debug log
AURORA-28507	[CRITICAL SECURITY] CVE-2021-45105 (DoS) Vulnerability in Log4J2
AURORA-28545	CVE-2021-44832 Remote Code Execution (RCE) Vulnerability in Log4J2
AURORA-28510	Unable to create or get ppm Mapping profile when custom SBCE Device configured
AURORA-28422	SBCE gets interchanged frequently with core dumps getting generated
AURORA-27076	When using SRV DNS to route it fails to route call, but REGISTER and OPTIONS are OK
AURORA-28504	Remote syslog configuration is not working and unable to view the device management or add collectors under syslog management
AURORA-28275	T.38 Fax failing when BGW is in edge mode
AURORA-28000	Advanced license in license compliance not counting SIPrec calls
AURORA-28538	SBC HealthMonitor logs do not show correct CPU utilization while compare with SBC CLI
AURORA-28423	SBCE is not deleting T.38 from SDP when T.38 is set to No in the Server Interworking Profile
AURORA-28637	Config API - Unable to update the Session Flow Priority
AURORA-26370	SIP server profile creation with API with serverType as CALL_SERVER doesn't allow dnsQueryType as SRV
AURORA-28428	Intermittent Issue - SBC Failover with SC mode is not working consistently
AURORA-28158	SBCE is voilating the RFC while constructing the UPDATE and BYE towards SIP Recorder
AURORA-28652	Unable to update the grooming flag when the server type is RECORDING_SERVER
AURORA-28119	SBC - API needed for updating priority in Routing Rules
AURORA-28442	No Audio after hold/unhold for J179 phone
AURORA-29289	Dao changes for handling Audio port change in answer
AURORA-28374	One way Audio for a blind Transfer from Aura User1 to Aura User2 for a Teams Call
AURORA-27883	ASBCE8_OID ipcsincidenceTimeStamp for SBCE returns invalid timestamp
AURORA-28505	tracesbc is not showing initial inbound call leg from MS Teams on calls view
AURORA-28742	Web UI is stuck "Uploading Swap file" when trying to swap EMS server
AURORA-28715	Device Swap is not working for Separate SBC
AURORA-27481	SBC not relaying 200 OK for UDPATE after SBC handled the REFER
AURORA-28636	SBCE is forwarding the BYE received from Teams towards service provider

AURORA-28598	DNS improvements, EDNS changes
AURORA-27095	turncontroller PID : CPU Utilization exceeded more than max 90
AURORA-28881	Blind Transfer from Aura User1 to Aura User2 is not working with MS Teams User using ICE Gateway Disable and Aura Side RTP when ICE Enable
AURORA-28699	The register is looped to the IPO if the response returned is 5xx
AURORA-28501	SBCE is not sending the ACK message for the 200OK from SM
AURORA-28281	Custom wave is not working for more than 2secs
AURORA-28941	sysmon is down due to 0 byte certificate(couldn't able to read) or a wrong certificate present
AURORA-28702	TEAMS Interop - Transfer CLID Issues
AURORA-29012	incomplete video session in SDP in reINVITE msg cause SBC to crash (Teams)
AURORA-28944	SBCE not sending CANCEL messages and generating new INVITE
AURORA-29006	Adding CIDR IP address range for MS Teams
AURORA-29241	SSYNDI crash when qualysys scan is run
AURORA-29200	[Security][Critical] RCE vulnerability in Spring MVC/WebFlux
AURORA-27781	Partition /archive is full 100% because OAMPSvr.log is 98 GB in size, add log rotation for OAMPSvr.log
AURORA-29297	SBCE stops sending DNS requests
AURORA-28999	ipcsipActiveTurnSessions in SIP Statistics is always zero
AURORA-29279	SBCE SSYNDI process crash
AURORA-28644	Intermittent one-way audio when Re-Invite is received from carrier (Telus)

In addition to the above fixes, CIDR support has been added in hotfix-1:

With this, the CIDR range is added to the "Trunk Server" configuration profile (Services->SIP Servers) along with the IP address and FQDN. By configuring CIDR in SIP Server, the inbound calls from all the IP addresses in the CIDR block will be allowed by the ASBCE. The CIDR will not be used for routing outbound calls.

For example, in the case of Microsoft direct routing, the inbound calls to ASBCE can be from any of the IP addresses from the CIDR blocks 52.112.0.0/14 and 52.120.0.0/14. By configuring these CIDRs along with Direct Routing Server FQDNs, the SBC will no longer reject the inbound call if the call is from one of the IP addresses in the CIDR block. The outbound calls will still route to the resolved FQDN addresses.

Below is the reference snapshot of the MS team's server config with CIDR configured.

General	**Authentication**	**Heartbeat**	**Registration**	**Ping**	**Advanced**

Server Type	Trunk Server
TLS Client Profile	ms_client1
DNS Query Type	NONE/A

IP Address / FQDN /CIDR Range	Port	Transport
sip2.pstnhub.microsoft.com	5061	TLS
52.120.0.0/14	5061	TLS
sip3.pstnhub.microsoft.com	5061	TLS
52.112.0.0/14	5061	TLS
sip.pstnhub.microsoft.com	5061	TLS

Edit

Resolution

Important: Install the patch during a maintenance window to avoid service disruption.

The patch is to be installed on 10.1.0.0-32-21432 version.

Install the patch on both EMS and SBCE servers.

File name: sbce-10.1.0.0-34-21958-hotfix-05192022.tar.gz

md5sum: 8c7570028e98a626c74d607186207448

PLDS Download ID: SBCE0000308

Workaround or alternative remediation

N/A

Remarks

Patch Notes

The information in this section concerns the patch, if any, recommended in the Resolution above.

Backup before applying the patch

Take a backup of ASBCE and save it on external storage.

Download

Download the patch from https://plds.avaya.com

Download ID: SBCE0000308

Patch install instructions   Service-interrupting? Y

Important: Install the patch during a maintenance window to avoid service disruption.

The patch needs to be applied to both EMS and SBC(s). (version: 10.1.0.0-32-21432)

Note: For HA SBCE, first install the patch on the secondary SBCE and perform failover. Later, install the patch on the new Secondary SBCE.

1. Copy the patch file to /home/ipcs directory on SBCE(s) using any SFTP client for example WINSCP.

2. Login to the CLI of SBCE as user ipcs.

3. Switch user to root with the command:

   su – root

4. Change directory to /home/ipcs with the command:

   cd /home/ipcs

5. Verify md5sum of the patch file matches with the md5sum on PLDS i.e. 8c7570028e98a626c74d607186207448

   Command:

   md5sum sbce-10.1.0.0-34-21958-hotfix-05192022.tar.gz

6. Untar the patch file:

   Command:

   tar –zxvf sbce-10.1.0.0-34-21958-hotfix-05192022.tar.gz

7. Go to directory sbce-10.1.0.0-34-21958-hotfix-05192022

   cd sbce-10.1.0.0-34-21958-hotfix-05192022

8. Stop the application using command.

   /etc/init.d/ipcs-init stop

9. Run install_hotfix.sh script:

   sh install_hotfix.sh

10. Once the script is run successfully, reboot the SBCE/EMS

    /sbin/reboot

Verification
NA

Failure
NA

Patch uninstall instructions	Service-interrupting?

Note: For HA SBCE's, uninstall the patch first on secondary SBCE, and perform failover. Later, uninstall the patch on the new Secondary SBCE.

Important: Make sure to uninstall the patch during a maintenance window to avoid service disruption.

1. Login to the CLI of SBCE's as user ipcs.

2. Switch user to root:

   su – root

3. Go to directory /home/ipcs/sbce-10.1.0.0-34-21958-hotfix-05192022 with the command:

   cd /home/ipcs/sbce-10.1.0.0-34-21958-hotfix-05192022

4. Stop the application using command:

   /etc/init.d/ipcs-init stop

5. Uninstall patch.

   sh remove_hotfix.sh

6. Once the script is run successfully, reboot the SBCE/EMS

   /sbin/reboot

Note: patch uninstall will rollback the RPM's to GA version. You must re-install any other patch if installed previously.

Security Notes

The information in this section concerns the security risk, if any, represented by the topic of this PSN.

Security risks
N/A

Avaya Security Vulnerability Classification
Not Susceptible

Mitigation
N/A

If you require further information or assistance please contact your Authorized Service Provider, or visit support.avaya.com. There you can access more product information, chat with an Agent, or open an online Service Request. Support is provided per your warranty or service contract terms unless otherwise specified in the Avaya support Terms of Use.