

sipXcom 20.08

sipXcom 20.08 General Availability

December 18, 2020

Summary

Happy Holidays!

CoreDial is pleased to announce the GA release of sipXcom 20.08.

We're bringing in some new API enhancements to sipXcom for CDR reporting as well as the new ability to manage Hunt Groups via API.

We've also taken the next step with the new API Ban feature, where we've introduced the firewall blocking of the imported entries. Check out their site (<https://apiban.org>), they're offering a great service. All you need to do is request an API key and you can have sipXcom automatically poll their honeypot-created ban list.

We're looking forward to a great 2021 with more enhancements to come!

Highlights

sipXcom New Features

- Manage Hunt Groups via API

sipXcom Improvements:

- Blocking of imported IP's from API Ban.

Notes

1. 19.08 and later are now released on CentOS 7 only. This will require that administrators install CentOS 7 minimal, then install Uniteme with our single line installer and then restore from a previous version backup.
2. AudioCodes and other gateways may need to have their configuration changed if faxing is used. See SIPX-811.
3. For Let's Encrypt certificates to work properly, the server must have a valid outside DNS name and have port 80 and 443 open to LE's servers.

Who Should Install?

New software releases are made at a rate of two to four releases a year. Releases are numbered in the <yy>.<mm>.<uu> format where <yy> and <mm> designate the year and the month, respectively, in which a release is made generally available. Where applicable, <uu> corresponds to an update release relative to a general release on which fixes are made available.

Questions

Please post to the sipXcom-users google group if you have questions.

<https://groups.google.com/forum/#!forum/sipxcom-users>

Specific Issues Addressed

Jira #	JIRA Name	RN Content	Enhancement/Fix/Known Issue	Key words
SIPX-835	Update freeswitch flite RPMs	Flite is broken in our rpms, the module does not load, needs updating: From here https://files.freeswitch.org/repo/yum/centos-release/7/x86_64/ Flite must be version 2.0.0-1 not 2.0.0-0 flite-2.0.0-1.el7.centos.x86_64.rpm 2017-01-12 22:27 13M flite-debuginfo-2.0.0-1.el7.centos.x86_64.rpm 2017-01-12 22:27 19M flite-devel-2.0.0-1.el7.centos.x86_64.rpm 2017-01-12 22:27 36K	Fix	Config

SI PX -8 41	Create HuntGroup (callGroup) REST service	Support for Hunt Group REST service to mimic HuntGroup page functionality	New Feature	API
SI PX -8 43	Variant not passed in Rest API PUT method	The variant is not passed in PUT method, so the JSON mapping cannot be done	Fix	API
SI PX -8 44	SIP MESSAGE created call loop	Customer reported that a user using Bria sent a IM over SIP, which seems to have bypassed the dialplan authentication rules and created a call loop between the server and gateways. Log trace example in UC-4848. One way to mitigate this might be to add firewall rules to drop this traffic, like .. -A INPUT -i eth0 -p tcp -m tcp --dport 5060 -m string --string "MESSAGE sip:" --algo bm --to 65 -j DROP -A INPUT -i eth0 -p udp -m udp --dport 5060 -m string --string "MESSAGE sip:" --algo bm --to 65 -j DROP -A INPUT -i eth0 -p tcp -m tcp --dport 5061 -m string --string "MESSAGE sip:" --algo bm --to 65 -j DROP	Fix	Counterpart
SI PX -8 45	sipximbot doesn't load when SIP domain is different than network domain	It looks like that, in single server configurations, if the network domain is different than the SIP domain (e.g. SIP domain is sipx.iuliu.test and network domain is iuliu.test), the IM bot ("MyBuddy") fails to connect to the openfire IM service. Investigation has found that in /etc/sipxpbx/sipximbot.properties The key imbot.openfireHost=iuliu.test should point to the actual openfire machine (sipx.iuliu.test) not to the network domain (iuliu.test). There's also a possibly (?) related message in /var/log/messages May 6 07:32:30 uniteme cf3[6614]: Because the regular expression "info INFO" still matches the replacement string "#011#011<level value="INFO" />#015" May 6 07:32:30 uniteme cf3[6614]: Promise (version not specified) belongs to bundle 'sipxopenfire_log4j_xml_contents' in file '/usr/share/sipxecs/cfinputs/plugin.d/sipxopenfire.cf' near line 247 Research has shown that imbot.openfireHost= parameter in /etc/sipxpbx/sipximbot.properties is set by ImBotConfiguration.java through the command: config.write("imbot.openfireHost", domain.getNetworkName()); This should probably be changed to: config.write("imbot.openfireHost", domain.getName());	Fix	Config
SI PX -8 46	Add order direction query param when retrieving cdrs	orderDirection=asc for ascending ordering	Enhancement	CDR, API
SI PX -8 49	Create REST service to retrieve user registrations per group	currently only all system registrations or registrations per user can be retrieved	Enhancement	API
SI PX -8 50	Hunt group calling	An administrator would like to be able to have an additional hunt group calling feature added. The next call to a hunt group should continue with the next user following the last user contacted (completed call).	Enhancement	Config
SI PX -8 53	Block IP's obtained from APIBAN	In 20.04 we implemented APIBAN support but didn't add the ability to block those IP's obtained from the APIBAN query. An administrator would like the ability to add APIBAN obtained addresses to the firewall rules and block them automatically.	Enhancement	Security
SI PX -8 54	improve backup/restore to contain 3rd party collections from profiles database	dump/restore profiles mongo database generically for all collections. The improvement is applicable for 3rd party apps that may need to create new collections in profiles db	Enhancement	Backup
SI PX -8 55	CDR REST Service for user - add option to take the recipient into account	In cases like when the user is part of a hunt group, and that hunt group is called, a ring (user) answers. Add option to take that cdr into account when query. Example: curl -v -k -X GET -H "Content-Type: application/json" https://superadmin:Phoenix01@localhost/sipxconfig/api/extendedcdrs/user/201/history?fromDate=197002071228&recipient=true note the recipient flag. when true, the callee_contact field is taken into account	Enhancement	API
SI PX -8 56	Change Hunt Group replication from lazy to eager method	Currently when a change is done in huntgroup rings, a lazy mongo replication is used. For mongo entities only eager replication is recommended. Lazy replication is meant for configuration files	Enhancement	Config
SI PX -8 57	sipxproxy Mongo DB cache expire time is restricted to minimum 30	There are scenarios when 30 is too much. change 30 with 5	Enhancement	Config, Mongo
SI PX -8 60	Clickjacking - User interface redress attack	PEN Tests (Penetration tests) complains. Proposed resolution: add http header: X-FRAME-OPTIONS: deny the equivalent is: "Content-Security-Policy", "frame-ancestors 'none'"	Enhancement	Security
SI PX -8 61	Rest Service to DELETE cdrs given prefix	Rest signature is: https://\$(sipxconfig_host)/sipxconfig/api/extendedcdrs/delete/\${prefix}	Enhancement	CDR, API

SI PX -8 62	REST API CDR Call Missing one Call	<p>When the customer makes a REST CALL: https://server/sipxconfig/rest/my/redirect/cdr/17993?fromdate=20201005</p> <p>He misses one CDR Entry. I've looked into the source code and found out, that the offset variable is initialized to 1. https://github.com/sipXcom/sipxecs/blob/5f114bb5aeacc4a342574df185b4c75c4817d27c/sipXcdrLog/src/org/sipfoundry/sipxrest/cdrlog/CdrLogRestlet.java#L75</p> <p>If I use the SQL Query with OFFSET 1 I miss one call. If I set it to 0 all Calls are shown.</p> <p>So I think line 75 should be changed to offset = 0;</p> <p>Currently I hope we can bypass the problem with https://server/sipxconfig/rest/my/redirect/cdr/17993?fromdate=20201005&offset=0 so the problem isn't critical.</p>	Enhancement	CDR
SI PX -8 65	Calls missing from CDRs	For some calls with duration 0, only "call end" event is triggered. We do not set from_tag, caller_aor, callee_aor for such event. These fields are constrained to be not null for the cdr to be saved in database. The fix will consist to retrieve these fields values from the call end event as well.	Fix	CDR
SI PX -8 79	CDR filter without <>	This filters for SIP URIs of the type <sip:.....@...> but I've found some callee_aor inside of the CDR Table that are "sip:43144@voip.xyzcust.com". So they are without <>.	Fix	CDR
U C- 17 43	Investigate DST updates in schedules, voicemails, cdrs, etc.	Revisit DST fixes. Found an additional problem and corrected	Fix	Config
U C- 48 47	Extended CDR REST Service	A customer needs to add extra information related to a CDR history call.	Enhancement	CDR
U C- 48 52	Sipxconfig fails to start after upgrade	<p>sipxconfig would not start after an upgrade to a newer version. Both of these used previously 17.10 and earlier config.</p> <p>Steps to reproduce: install 19.12, restore customer config, upgrade to 20.04 or 20.08</p> <p>https://ezuce.zendesk.com/agent/tickets/8938</p> <p>sipxconfig starts with nofork option in foreground</p> <p>Seems to be related to PostgreSQL (log attached). No errors are present in sipxconfig log</p> <p>Manipulating the sipxconfig service file did not fix it (added postgresql.service to after and a delay of 10-30 seconds before start)</p>	Fix	Config
U C- 48 55	Set permissions via REST when create/modify user	Upgrade REST service for users to set/get permissions	Enhancement	API