

VoipNow 4.0.0

This document contains all changes performed in VoipNow 4.0.0 version.

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Important Notes

Deprecating Notice

Please read [VoipNow Deprecating Notice](#) before going further.

Limited Release Notes

Since VoipNow 4.0.0 version is a major release, the current release notes contain only the changes that, in our opinion, might affect existing VoipNow customers.

Legend

Features Enhancement Resolved

VoipNow 4.0.0 Release 151202

VoipNow Component

Type	Details	Support Zone Ticket ID	JIRA Ticket ID
	Account email should be unique. ⚠️ As this might affect your installation, please review the VoipNow Upgrades Notes.		VNP-55355 VNP-55690 VNP-55882
	Preparation for Hubgets provisioning in VoipNow.	-	VNP-52288 VNP-56145
	Added support for multiple contacts per extension (SIP forking).	-	VNP-53704 VNP-55542 VNP-55546 VNP-55547 VNP-55558
	Added user management roles (owner, administrator, member).	-	VNP-56050
	Added ICE support (enable/disable) setting on channels.	-	VNP-54692 VNP-54695 VNP-55359
	Added support for php-fpm and Nginx statistics.	-	VNP-54924 VNP-55134
	Added wildcard support in SIP server alias matching.	-	VNP-55249
	Added application layer firewall to SIP server.	-	VNP-55252
	Added support for HTTP Load Balancer.	-	VNP-55335
	First name and last name are split for all account types. Improved management facilities for both fields.	-	VNP-55405 VNP-55406 VNP-55786
	Allow to enable/disable SIP presence and notifications using local.conf configuration directives.	-	VNP-55427 VNP-55502 VNP-55503 VNP-55508 VNP-55557 VNP-56570
	Add media encryption setting for both SDES and DTLS-SRTP.	-	VNP-55544 VNP-55613
	Allow to configure the number of workers for SIP server using local.conf directives.	-	VNP-55884
	Call quality information is indexed.	-	VNP-56096 VNP-56305
	Added support to call extensions while calls are waiting in queue.	-	VNP-56287
	Changed format for voicemails and recordings to mp3.	TVO-635660 QCL-719396	VNP-53926 VNP-54715 VNP-55342

	Improved the security of the password hashing.		VNP-55202
	Improvements in SIP server DNS cache handling.	-	VNP-54473
	Multiple documentation improvements.	-	VNP-54651 VNP-55967 VNP-56186 VNP-56293
	Clear PHP caches in a less intrusive way, without killing the process.	-	VNP-55081
	Added support for AWS4-HMAC-SHA256 making Amazon S3 implementation compatible with newer Amazon zones.	-	VNP-55317
	Added meta information to VoipNow login page for a nicer preview.	-	VNP-55429
	Handle exceptions for situations when destination storage gets full during backup.	-	VNP-55484
	Added haveged to increase entropy on the servers in order to improve TLS handling.	-	VNP-55497
	Moved SIP server logs to /var/log/kamailio/	-	VNP-55520
	Added challenge for extensions behind NAT when they try to place calls without registering first.	-	VNP-55539 VNP-55568
	Added video support to echo function that can be involved with *52.	-	VNP-55689
	Added PHP configuration for local customizable parameters.	-	VNP-55723
	Improved Intercom voice quality.	ZWX-149032	VNP-55736
	Added Reason header text parameter in CANCEL requests for calls completed elsewhere.	-	VNP-55768 VNP-55769
	Added option to start s3queuegc daemon on any node within a distributed infrastructure.	-	VNP-55873
	Removed requirement to supply voicemail password in phone terminal extension templates.	-	VNP-55878
	Added saveEndDate and saveStartDate as filters in the UnifiedAPI CDRService.	VCH-385817	VNP-55966
	Added partial support for multiple phone languages.	-	VNP-56162 VNP-56185
	Improved sounds quality.	-	VNP-56201
	A Diffie-Hellman group is generated to improve the security of TLS.	-	VNP-56276
	Improved usability with no ringing before queue answers call, when call comes from IVR.	-	VNP-56420
	Added X-voipnow-early: callapi header when 183 comes from UnifiedAPI.	-	VNP-55173
	Added support for application/media_control+xml mime type in SIP server.	-	VNP-55942
	Fixed possible issue on subsequent request routing in infrastructures with multiple PBX nodes.	YQK-117565	VNP-53821
	Fixed OPTIONS not being sent properly on NAT infrastructure with SIP server listening on 0.0.0.0.	CRJ-142065	VNP-53916
	Fixed CallerID setting on UnifiedAPI transferred calls.	PPF-386514	VNP-54544
	Fixed possible issue with queue agents being considered unavailable.	ORD-600277	VNP-54699
	Fixed ICREXTENSION check.	Autoreport	VNP-54739
	Extensions under a disabled user account are now able to place calls after a database restore.	-	VNP-54760
	Fixed SIP server DNS caching issue.	Autoreport	VNP-54881
	Multiple cosmetic fix to vnbackup.	YCH-128419	VNP-54898

	Fixed multiple reliability issues in PBX engine.	Autoreport	VNP-54965 VNP-55188 VNP-55238 VNP-55022 VNP-55301 VNP-55655 VNP-55846 VNP-55334 VNP-55386 VNP-55414 VNP-55487 VNP-55500 VNP-55501 VNP-55752 VNP-56028 VNP-56031 VNP-56032 VNP-56114 VNP-56170 VNP-56199 VNP-56234
	EditExtension SystemAPI method no longer requires password.	OZJ-847453 AMT-202800	VNP-55044
	Multiple improvements in password strength algorithm.	GS	VNP-55112 VNP-55358 VNP-55960
	Fixed several SIP server memory leaks.	Autoreport	VNP-55137
	Fixed guiding messages in SQL node installation script.	-	VNP-55176
	Fixed channel language on queue agents calls.	CTV-136672	VNP-55214
	Fixed exception on SIP server shutdown.	-	VNP-55224
	Allow on demand recording start (*1) for calls that were transferred through IVR.	-	VNP-55247
	Fixed setting duplicate codecs on extension configuration.	-	VNP-55254
	Fixed To number in Call Flows.	BBE-280514 OMI-226917 CYQ-495692 DWP-681316 YSF-545710	VNP-55286
	Multiple improvements to WAF (Web Application Firewall) rules.	-	VNP-55290
	Fixed silence detection in voicemail.	-	VNP-55291
	Fixed possible SQL issue on fresh install.	-	VNP-55300
	Update selinux build to restore context for erts-6.4	-	VNP-55302
	Fixed duplicate channels becoming unavailable because of disabled qualify.	-	VNP-55314
	Fixed multiple SIP server reliability issues.	Autoreport	VNP-55350 VNP-55351 VNP-55658 VNP-55707 VNP-55862 VNP-55938 VNP-55995
	Fixed issue in crash autoreporter script in case.	-	VNP-55391
	Fixed mysql_upgrade issue on upgrades from versions older than 3.0.7.	OKP-555951	VNP-55399
	Fixed possible SQL issue on upgrade of extension_recording table.	OKP-555951	VNP-55402
	PBX no longer sends notification on video detach.	Autoreport	VNP-55418
	Fixed GetOrganizations SystemAPI method to return login data.	-	VNP-55431
	Mark agent's local channel as available after transfer.	CHG-161851 MAP-877542 MYB-592153	VNP-55437
	Fixed remote agents behavior not to remove the caller from the queue when they do not answer.	UFM-310742 RDL-232917	VNP-55441
	Added custom FD_ISSET to PBX to avoid issue with glibc verifying the file descriptor.	Autoreport	VNP-55456
	Fixed issue with concurrent calls being checked for ICR owner instead of ICR target.	FKO-817779 OJC-519230 ETE-890300	VNP-55494
	Fixed not allowing free calls when the charging limit on public calls is set to 0.	RAD-776157	VNP-55495
	Disabled GRUU support in SIP server as it is not supported by some phones.	-	VNP-55496
	Fixed SDP connection IP, in case of API initiated calls over a NAT Infrastructure.	JWX-119698 YTY-275400	VNP-55525

	Changed storage for Force MWI and Extension publish settings.	-	VNP-55540
	Fixed SetProvision SystemAPI method not to change the global provision mac setting.	YHB-764870	VNP-55548
	Fixed SIP notifications publish request IP in multi IP infrastructures.	-	VNP-55555
	Fixed route order and SIP server port in infrastructures behind NAT.	MHI-176192	VNP-55568 VNP-56430
	Workers no longer use IPv6.	HVD-491445	VNP-55570
	Improved SIP server init script reliability.	-	VNP-55607
	Fixed several issues with parking BLF NOTIFY.	AUT-771730	VNP-55750
	Fixed redirect issues that could affect phone provisioning.	-	VNP-55761
	To prevent issues with setting DNS1, DNS2 and DOMAIN from ifcfg-ethx scripts, single-request is not added in resolv.conf on rhel7, only on rhel6 .	-	VNP-55861
	Fixed Hubring hdump export and restore of persistent nondurable keys.	-	VNP-55876
	Postfix configuration file is copied only on the first install.	-	VNP-55881
	Fixed reported number of distributed database slaves.	-	VNP-55885
	Fixed validation on bucket and zone for Amazon S3.	-	VNP-55887
	Node.js process will start only on http and worker role nodes.	-	VNP-55893
	Avoided PBX crash caused by old codec package on upgrade.	Autoreport	VNP-55987
	Fixed parse error for SIP register line in PBX.	-	VNP-55906
	Fixed Exit to operator during queue announcements.	BXX-628690	VNP-55944
	Fixed codec settings for distributed SIP server infrastructure.	-	VNP-55965
	Improved PBX init script reliability.	-	VNP-56029
	Fixed subsequent SIP request (due expired token) being considered a retransmission.	-	VNP-56036
	Added DTLS setup on caller leg in case of 183 early answer.	-	VNP-56040
	Fixed sending RTP to the peer that put the call on hold.	-	VNP-56044
	Added X-voipnow-early: supported in case early ICE is supported on caller.	-	VNP-56046
	Fixed extendedNumber parsing logic in list method of CDRService. Use ext_length parameter from misc.	-	VNP-56101
	Users with empty voicemail passwords are no longer allowed to check their voicemail.	-	VNP-56121
	Fixed queue distribution race by clearing the agent's pending flag if it couldn't be acquired for any reason.	BOU-687660 SSR-480431	VNP-56154 VNP-56155
	Fixed PBX fromdomain usage in channel registration.	-	VNP-56173
	Update SIP server internal state when SIP domain changes.	-	VNP-56262
	Escaped user name in public phone number assignation panel.	-	VNP-56273
	Provisioning file is regenerated only if regenerate option is enabled.	UYA-607452	VNP-56359
	Fixed MWI publish from other SIP producers.	-	VNP-56413
	Fixed upload sounds from independent interface nodes.	ZWZ-797977	VNP-56431

	Fixed possible routing issue in case of missing SIP server private ports.	-	VNP-56509 VNP-56510
	Fixed conference recording to avoid possible deadlock.	VCT-208767	VNP-56512
	Fixed loading 999 eligible phone terminal extensions in add local agent panel.	HHK-875961	VNP-56532

Automation Component

Type	Details	Support Zone Ticket ID	JIRA Ticket ID
	Fixed error in Provisioning Facilities page.	-	VNA-15218
	Fixed issue in update_exchange.sh	-	VNP-55444
	Fixed issue in getup2date.sh	-	VNP-55445