VoipNow 4.0.0

This document contains all changes performed in VoipNow 4.0.0 version.

- Important Notes
  - Deprecating Notice
  - Limited Release Notes
- VoipNow 4.0.0 Release 151202
  - VoipNow Component
  - Automation Component

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