Release 8.1

Release date: 2019-09-01

New features:

#2681: add API to create Call generation tasks
#2918: DIP HLR: add support for generation on large amount of requests
#3040: add menu Base role
#3039: refill through ICE API: add API to retrieve list of services + find service by name or ID, and refill on behalf of this service
#3032: add support of generation of large amount of SMS
#3029: add HTTP POST Content-Type option
#2918: DIP LNP/MNP: add support of generation of large amount of requests
#3024: add Companies - Default settings - Write-off when deactivated
#3011: SMPP: ad option to overwrite field MessagingMode
#3023: Telegram chats - remove selection of direction for reports
#3022: Firewall tables: add possibility to block whole country by IP address
#3015: Object history: show history of changes of sub-menu
#3004: add HTTP API dlr
#3005: HTTP: Pass variable MESSAGE_ID to a template of message generation
#3006: HTTP: duplicate option retry_count for all tabs
#2999: Add a new SIP option to not to return direct media flow back to Smartswitch on hangup
#2996: HTTP message API: return segment count
#2652: implement feature SMPP-ping for clients
#2994: switch to new API of AmoCRM to add calls
#2990: Reports -> Loops: separate by domains (Telephony, SMS, etc)
#2752: substitute caller name from contacts on incoming call to softphone
#2988: add menu My dealer reports
#2986: SMPP: Add codecs for originator
#2940: Financial report: show profit
#2979: Financial report: show tab Display
#2737: display warning when trying to save direct media + call recording
#2976: need to split "direct media setup" option into several suboptions
#2971: HTTP HLR API: allow sending several HLR requests simultaneously, via single API call
#2974: HTTP API: add parameter request_id
#2973: HTTP API: return destination_number in response
#2966: Save codec for SMS in Message detail report
#2916: Add SMS content replacement patterns
#2961: Access -> Actions: add logging of prices import
#2959: during call generation need to react on in numbers list changes during dialing, without disabling/enabling the task
#2958: don't write audio to /var/tmp, because /var is a little partition
#2954: add possibility to configure different mail templates and different mail accounts for different companies
#2947: Changes: show empty changes by default
#2945: Delete prices: should work in destination codes mode
#2860: SMPP: add option "timeout" for originator
#2939: Financial report: show summary for each column
#2936: add global call duration limit
#2718: upgrade wt to 3.3.12
#2818: Add menu Compare EDR for messages
#2926: HTTP API: change according to specification https://jsonapi.org/
#2933: pcap sniffer: increase idle timeout for auto mode
#2932: HTTP API call: add parametet "callback_caller_id"
#2930: SMPP pcap: support devices under NAT and with changing DNS names
#2929: SMPP: return message_id without dot
#2609: Import exception classes: add menu E.164 codes
#2519: SMPP pcap capturing
#2920: SMPP dlr: save to DB DLR seqno + IP address + port
#2921: Number pools -> Globally blocked number patterns
#2851: HTTP: implement Digest Auth
#2906: Whisper and eavesdrop throught the special extension
#2910: add element ChanSpy to the call handler
#2871: add application SendDTMF to the call handler

#2852: implement seach of service by the pattern of description
#2861: display DLR statistics report in the web-cabinet of a company
#2854: Watchdog: support OH323
#2849: default tariff plan for termination
#2842: SIP: add tab Outbound authentication
#2790: support Exclude zones in Opened/Closed zones on peers
#2829: implement Smartswitch compilation and linking with Asterisk-16
#2836: SMPP: save udh parameters in separate fields instead of SMPP MDR body
#2812: SIP: add separate outbound password
#2739: Telegram + profit per dealer
#2814: VPBX administrator: open access to IP address ACL
#2793: optimise number pool generation for number pools, which contain millions of numbers
#2145: When gluing together audio-files, need to apply access restrictions
#2776: AmoCRM: add to manifest.json key for support
#2774: Add possibility to unregister a user by the button on web-interface
#2758: Add hangup cause profiles
#2769: export invoice number
#2758: Add hangup cause profiles
#2741: Invoice templates: add field Number pattern
#2765: Add Q.850 -> SIP maps
#2756: Add Hangup cause maps
#2749: Add Hangup cause replacement class
#2754: Block codes which are prohibited by Ukrainian govenment
#2751: need separate Hunting classes for SMS
#2733: Call generator, Call generation task: add parameter "execution limit"
#2747: Send message: display the cost of SMS
#2746: Send message: allow re-sending of failed messages by one click
#2743: SMPP: support split via SAR
#2742: Send message: send messages one by one and show progress
#2725: add option on terminator "supports messages larger than 140 bytes"
#2735: Call generation tasks: automatically react on changes in its parameters
#2731: SMPP: add support for Concatenated Message UDH
#2730: My services -> Send message: add calculation of segment count
#2728: My services -> Send message: display encoding
#1788: Billing packs - destination codes: add filter by status
#2712: Add parameters "dial timeout on sticky forwarding"
#2716: mysql++: change memeory management to base on shared_ptr
#2706: AmoCRM: change new call notification to use new AmoCRM API
#2701: backup personal user files and audio prompts
#2677: add caller ID number pool on originator
#2676: add legal notice to Number pools on Terminators
#2704: Route classes -> Zones: show quick link to Routes
#2619: Billing by E.164 zone
#2673: Routing by zone
#2697: add Route class->Priorities->E.164 callee zone
#2692: AmoCRM: on auto-creation of a contact, assign answered user as responsible user, or if nobody answered - randomly one of not answered
#2689: SIP peers: implement pagination + display a flag
#2684: Remove global options "insecure INVITE" and "insecure port"
#2680: Add timetable for terminators
#2674: Consumption profiles: add option "on profile excess" = hangup/regular rate price
#2534: add AddressSanitizer support
#2671: Number replacement templates: prohibit replacing to space
#2660: search within Periodic write-offs
#2668: StartMixMonitor app: add option "start recording when call is bridged to another channel"
#2666: User groups: add option "authentication mode"
#2653: allow accepting payment in a general list of payments
#2607: loss control + E.164 зоны
#2632: send HTTP to user
#2651: ICE API: change hlr and lnp_mnp API to the format of message API
#2649: Queues: Add "C" option
#2648: HTTP parameters: add check-box for Messaging, HLR, HTTP
#2633: add Terminator -> HTTP -> Message
#2644: move message_id from storage.mdr_smpp to storage.mdr
#2643: переименовать storage.smmp в storage.mdr_smpp
#2633: add Terminator -> HTTP -> Message
#2638: HTTP: добавить отдельные URL, метод и POST тело для разных сервисов

#2625: HTTP API to accept SMS
#2621: add possibilityy to change invoice header
#2620: add possibility to not to display ID of invoice
#2611: Enhance filter usability
#2623: Add button SIP -> Delete peer from cache
#2605: implement batch insertion for company_summaries
#2599: Complement with zeros MNC from prices on import
#2597: AmoCRM: enhance CDR saving mode
#2592: Modify AmoCRM widget in order for it to work with new HTTP API URL
#2590: HTTP API: separate resource per API
#2566: Users: enhance security of storing passwords on web-interface
#2577: Loss controller: implement for dealer mode
#2576: enhance displaying errors
#2575: SMPP channel: enhance security of storing passwords
#2574: IAX channel: enhance security of storing passwords
#2573: HTTP channel: enhance security of storing passwords
#2573: HTTP channel: enhance security of storing passwords
#2567: Users: enhance security of storing passwords for SIP
#2566: Users: enhance security of storing passwords for web-interface
#2562: Enhance security of storing passwords
#2571: Users: enhance security of storing PINs
#2568: Users: output list of data for export on users generation
#2569: SMPP: enhance security of storing passwords
#2563: Companies: enhance security of storing passwords
#2556: Optimisation of Call detail report for particular peer: make search on index from xxx_links instead of index from cdr
#2557: Optimisation of E.164 code detail report: search only by a index from xxx_links instead of index from cdr
#2555: Statistics deletion from web: allow to choose only year-month
#2554: Statistics deletion through the web-interface: separate deletion for Telephony and Messaging
#2426: optimize CDR deletion
#2546: Web-phone -> Recents: dial a number with prefix
#2394: Implement Web-phone -> Recents
#2531: Web-phone: add button Echo-test
#2391: Web-phone: implement volume control
#2528: SMPP save sequence number
#2526: E.164 code details: show total count, ASR, NER together with profit
#2520: SMPP save port to Message detail report
#2320: Call detail report: show oeer type in general report
#2503: Loss controller: move from company settings to originator/gateway/user group settings
#2454: profit controller + telegram + blocking/auto unblocking codes
#2501: Origination control: need separate mail templates per company and user
#2494: in case if several billing packs match on import from e-mail - show error message with listing of billing packs
#2490: move amocrm plugin from exec(curl) to Wt HttpClient
#2453: add direct RTP option per peer
#2442: decrease amount of requests per second in AmoCRM API
#2485: forwarding to a second queue

Bug-fixes:

#3043: Copying call generation tasks: incorrectly saves numbers
#3035: Support caller name with comma
#3036: After deletion of IP address from firewall table through the web-interface, fail2ban immediately inserts it back
#3026: prohibit saving invoice with end date more or equal to current date
#3025: on forwarding, outbound CDR on user is saved with zero duration
#3021: Billing pack - Object history - Mysql server gone away
#3020: when SIP settings are deleted, Codecs submenu is not deleted
#3019: when adding web settings for user, need to press Save twice
#3018: substitution of caller name from contact doesn't work, if a call to softphone is initiated from web-interface
#3014: when calculation invoice, progress is not shown
#3013: invoice calculation takes too long
#3009: Terminator->SMPP->Send message: no Billing tab
#3008: app_send_dlr crash
#3007: AmoCRM: on creating a contact they started to return id as string instead of long long
#2998: SMPP DLR from ESME inside DATA_SM: submit_sm or submit_multi failed
#2997: shouldn't perform codec translation for multi-segment SMS
#2995: watchdog doesn't perform check for availability of hlr API
#2993: Call detail report: filter doesnt remember chosen day

#2991: Caller ID replacement: don't replace with different caller ID if client already calls with correct caller ID
#2989: DLR with empty content and empty A and B numbers: treated as a loop
#2985: DLR with dataCoding 4 is not supported
#2982: page refresh: Wt internal error; code: undefined, description: Cannot read property 'nodeName' of null
#2301: On closing a tab in firefox, it re-registers after chrome
#2983: crash on WebrtcPhone::stop()
#2981: WMessageBox is displayed behind WDialog
#2980: Number pool: doesn't take random number
#2978: Assertion 'transport->Open()' failed in file '/usr/ports/net/smartswitch/work/smartswitch-8.0.47520/app/sniffer/sniffer.cxx' line 69
#2977: Assertion 'm_pcap' failed in file pcap_file.cxx line 30
#2969: on disabling WebRTC, the button continues to blink if Asterisk is not running or is WSS port is not opened
#2964: using boost::filesystem::copy causes segfault somehow
#2972: HTTP API: return errors only on error of initial parsing of request or authentication
#2970: send forwarder as caller: sends Diversion header
#2968: web-interface crash (likely refresh with ProgressDialog)
#2967: Call generation->Tasks: too long generation
#2965: after upgrade to wt-3.3.12, date selection in Calendar stopped working
#2964: Segfault on prices import
#2963: Messaging: repeating number detector: Deadlock found when trying to get lock
#2962: VPBX user - CRM - Contacts - import: shows empty fields
#2957: suggestion popup crash on refresh
#2956: WDialog segfault on close
#2953: Always 1st number is picked up from number pool
#2949: System live - Channels: switches "price" and "minute price" don't work
#2952: SIP realtime: on disabling user, realtime peer is not deleted from cache
#2950: SIP ACL: on changing priorities, realtime peer is not deleted from cache
#2951: Invoice generation: incorrect end date while long consecutive invoice generation for several companies
#2944: Realtime + ACL: too long queries
#2948: Assertion match_length > 0 failed in file /usr/ports/net/smartswitch/work/smartswitch-8.0.47601/lib/libsmartswitch/utilities.cxx line 851
#2946: Changes: displayed row by row with 1 sec delay
#2943: sql error on users export
#2938: Wt-3.3.12 segfault on SuggestionPopup refresh
#2942: Routing to a user through a call handler: black number pools don't work
#2941: SIP peers: prev, next buttons are not centered
#2583: new WDialog appears behind existing
#2925: hlr_softswitch handler: HUNTSTOP options are not taken into account in RouteHLR element
#2912: Call handler: issue when UnsetNode added after SetNode
#2911: reports allow to choose a non-existent date
#2900: SIP IP Address ACL: need to reload config or prune realtime SIP peers on change
#2898: Force "sip prune realtime peer" on changing SIP settings on realtime user or user group
#2899: if user group is realtime, and it has non-realtime users inside it, sip reload is not done on saving user group's SIP settngs
#2897: Number pool on originator: incorrect CDR
#2888: unable to copy standard role
#2872: CallHandlerAcl: should automatically handle adding or changing call handler structure
#2859: DLR statistics: Unknown column code in where clause
#2855: nway confence doesn't work
#2858: Nway conference: excess CDR
#2853: Assertion !m_metrics_compare_strategy.empty()
#2850: many duplicates on "insert into dlr в failed_queries"
#2845: SMPP: problem with GSM messages containing "?"
#2846: SMS split, using SAR - incorrect numbering
#2844: ast_channel deadlock after allocation (HTTP, SMPP)
#2813: when partition crashes, table is not seen in INFORMATION_SCHEMA.PARTITIONS
#2841: Ast10 + realtime + authentication using user name: INVITE authentication passes with incorrect From (by IP + Auth login + Auth secret)
#2835: SendDLR + UDH in SubmitSm: corrupted text inside DLR
#2819: Route classes - E.164 zones: quick filter works incorrectly
#2808: impossible to save SMPP settings on user group
#2805: Accounting - Invoices: buttons with page numbers looks ugly in Chrome
#2803: when testing SMPP, another incorrect CDR is saved
#2799: VPBX administrator: information after user generation is not visible
#2798: VPBX administrator: peer names are not shown in menu System live - SIP peers
#2800: Number pools: web-interface thinks too much on quick filter on a table with 16 mln of rows
#2797: unable to move numbers from Number pools, which contain several millions of numbers
#2801: mistakenly configured million number pool of caller IDs leads to hanging the system

#2796: unable to delete by number patern from Number pool, which contain several millions of numbers
#2788: crash on smpp_endpoint_hangup()
#2782: HLR cache: SQL error on insert
#2781: Concatenated SMS DLR: need to pass to originator only 1st DLR
#2780: DLR: saved different content from what is sent to originator
#2777: SMPP message split: need to save chunks as separate mdr
#2775: Loop detected on multi-segment SMS
#2770: empty DLRs are not routed
#2768: Call detail report - Back: Wt internal error
#2764: unbound is launched after ntpdate
#2760: write_off crash on cleanup
#2670: Asterisk crash on SMPP
#2750: Call generations: after deleting the task and mysql restart, autoincrement of task counter is reset
#2736: SMPP: correctly translate messages, which contain UDH
#2726: SMS: should bill by segments of 140 bytes and not 160 bytes
#2724: AmoCRM: on call User - Gateway, Contact is created with a number containing gateway prefix
#2723: Queue members: full name doesn't fit into 80 symbols
#2711: AmoCRM: popup of a new call is shown 4 times during a call with 4 queue members
#2710: SMPP connection is not deleted after module reload chan_smpp.so
#2709: chan SMPP assert
#2708: save CDR without linkage to a peer
#2617: on copying invoice template image is not copied
#2698: Route classes: Dont allow to save same priorities
#2696: AmoCRM: On sticky routing through the Queue, numerous dialing of th same responsible user
#2693: AmoCRM: no fallback on sticky routing
#2695: Need to always save original caller ID on forwarding
#2687: 2 same contacts (duplicates) are created on simultaneous dialing 2 users
#2683: on planned weekly restart need to properly hangup active calls
#2678: SIP->Proxy->port doesn't work
#2670: SMPP Asterisk crash
#2663: system freezes on attempt to delete number pool with 16 mln of numbers
#2659: unable to automatically update Tenge rate
#2658: chan_http reload under load
#2656: automatic currency update from Yahoo has broken
#2636: Call generation: changing the list of numbers of finished task, and then saving - leads to task progress of 0%
#2635: User->copy: Db::Table::operator["group_id"] for table users: data unavailable
#2630: Originator - SMPP - Smartswitch - SIP_SIMPLE - unregistered user: MDR on user are not saved
#2629: Telephony - Billing pack- E.164 codes - "lists" - Changes - Duplicate column name id
#2628: E.164 zones -> Codes -> Db::Table::operator["value"] for table settings: data unavailable
#2604: Lost connection to MySQL server at waiting for initial communication packet
#2618: after upgrade to asterisk-11, some security messages stopped logging
#2616: user is disabled, however calls towards him continue to pass after direct dialing through the Dial element of a call handler
#2614: Statistics report: in default company role Export fields are hidden
#2613: fail2ban blocks watchdog
#2603: partition pruning is not activated on reports
#2608: Check routing: unknown column priority
#2606: Statistics report: wrong index selected
#2602: displaying Task list lasts too long
#2601: web crash on Next button
#2598: Call detail report: displays a list for 10 sec
#2596: chan_http crash in HttpClient::handleResponse()
#2593: password generation produces passwords with special HTTP symbols
#2589: HLR server: Connection::startWriteResponse(): connection not idle
#2588: HTTP HLR Server: crash
#2586: LNP/MNP test: report is not displayed
#2587: sql error on E.164 zone import
#2585: LNP/MNP + repeating number detector: checks A-number while it shouldn't
#2584: HTTP HLR Server: crash
#2572: web crash in AMICallGenerator::originate_call()
#2561: Looks like we never originated DLR receipted message ID 1537914836.1243753
#2560: Call generation task -> end_time is set, but only 60% of progress
#2538: Asterisk decline on DNS decline
#2548: WebPhoneAttach + changing volume leads to web-interface crash
#2547: prohibit saving empty E164 zone
#2544: admin_portal + newsyslog: incorrect log recreation
#2542: asterisk deadlock in res_ice in ~Application()
#2540: sniffer sometimes crashes

#2537: Sniffer + FreeBSD 11.2: FD/socket leak in pcap_findalldevs() for USB

#2536: Pcap capturing: on originator with pcap signaling = chain, pcap media = yes, however media is not captured to pcap on terminator

#2535: Web-phone: on a call to echo-test number 903, it's heard prompt not on a language which is configured on a user

#2527: After upgrade, saving duplicates of numbers is not allowed in Call generation tasks

#2525: Saving call generation tasks: Duplicate entry '18092-201090396016' for key 'batch_group_id'

#2524: Access -> Changes: wrong translation

#2523: Access -> Changes: see changes of call_generation_task_callee_ids after copying a task

#2521: handle saving after editing B-numbers in Call generation tasks

#2522: after upgrade, audio-records are played twice

#2484: On dialing queue member through the call generator, in his CDR Audio tas is not seen

#2516: when terminator is disabled, part of calls is saved with code AST_CAUSE_NO_USER_RESPONSE (18)

#2514: E.164 code details: shown incorrectly on displaying the routing

#2507: Loss controller: add auto blocking/unblocking the codes

#2504: On saving an e-mail with body with 2Мб error MySQL server has gone away

#2486: Call generator: remove possibility of selection of peer type on which no real choice is seen

#2483: number is not deleted from a number pool and call generator after successful dialing

[Русский перевод](#)