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NMS Release 1-1222

Release Date

2013-08-16

Highlight

- allow mid call actions while in queue
- better determination of dtmf location among NAT'd devices and behind SBC's
- Call back reminder of parked call.
- Mid call recordings enabled in portal
- Setting to force action in HG when no agents are logged in
- Added a setting to force a agent unavailable if they miss a call.
- Added setting to allow confirmation via DTMF for sim ring devices
- New filters in UI in several places including system status and registered devices
- Allow enabling and Disabling answer rules via start code
- better handling of DB threading, should lower IO needs of DB.
- Added settings to block video when needed.
- 'as-feature-event' support for syncing features with supported vendors
- Added "OwnTerritory", "FromTerritory" and "ToTerritory" to dial translation tokens
- Reject/Block out of dialog options messages to fight scanning
- ability to share active call info among geo nodes

Database Changes

Table	Fields	Descriptions
`SiPbxDomain`.`huntgroup_config`	`auto_logout`	To config auto logout of a call agent after missing a call
`SiPbxDomain`.`callqueue_config`	`agent_required`	To config whether to block entry to Call Queue if all agents have logged out
`SiPbxDomain`.`dialplan_config`	index `to_host`	To speed up some API operation
`SiPbxDomain`.`dialplan_config`	index `dialplan`	To speed up some API operation
`SiPbxDomain`.`dialplan_config`	index `matchrule`	To speed up some API operation
`SiPbxDomain`.`ui_config`	Primary Key	Added `role` to Primary Key
`SiPbxDomain`.`status`	`gau_gateway`	Added count of in memory gateway object
`SiPbxDomain`.`status`	`gau_domain`	Added count of in memory domain object
`SiPbxDomain`.`route_config`	`route_name`	Resized from 31 to 63

Changes

NCS CPP Code

Issue #	Descriptions
	(1-1222x11) Removed un-productive SQL commits

NMS CPP Code

Issue #	Descriptions
NS009117	(1-1222x1) Block all delayed Response to INVITE while already in any Connected (but States but not re-INVITING)
NS009229	(1-1222x2) Correct Device reference when SetOwner for a Device registered at a remote Geo Host Peer
NS008636	(1-1222x3) Added a catchall MOH Cleanup upon removing MOH Processor at the end of a call
NS009235	(1-1222x4) Added connection token "BlockVideo" to configure the block of Video SDP towards the associated Connection
NS008636	(1-1222x5) More cleanup of Media Process upon various exit conditions
NS009234	(1-1222x6) SDP NatWan translation logic leave alone any Media line advertising port 0
NS009269	(1-1222x6) Added handling of SBUS Command for "call" objection, actions "record_on" and "record_off"
NS009266	(1-1222x6) Correct SLA Un-Seize event that may happen after Seize but before sending any INVITE
NS009352	(1-1222x7) Correct handling of Subscriber Greeting Index with more then 1 digit
NS009184	(1-1222x7) Handle SUBSCRIBE/NOTIFY to 'as-feature-event' for DND
NS009284	(1-1222x8) Correct orphaned MOH/MediaProcess that hang around forever after the call
NS009184	(1-1222x9) Handle SUBSCRIBE/NOTIFY to 'as-feature-event' for Call Forwarding
	(1-1222x9) Apply TimeFrame logic to all Feature rule configuration and status via "as-featue-event" or "star-code"
NS009374	(1-1222x10) Store device registered AOR instead of Geo-extended device name in Call Leg context, which is referenced for operations such as LIDF's DSLI identification
NS009266	(1-1222x10) Reference device registered AOR instead of Geo-extended device name in Call Leg context by Subscribe/Notify states
NS009416	(1-1221x11) Correct <RTPRelayNoCN> control to No Comfort Noise
	(1-1222x11) Removed un-productive SQL commits
NS009413	(1-1222x11) Added "OwnTerritory", "FromTerritory" and "ToTerritory" to dial translation tokens
NS009406	(1-1222x11) Call back check against duplicate post dial translation destinations
NS009079	(1-1222x12) Added option to randomize the offset into the 1st MOH file by system parameter <MohRandomOffset> (default to no), and the system parameter <MohRandomScale> (default to 1.0) to scale the randomize offset relative to the size of the file, e.g. 1.0 specifies the whole file, and 0.5 specifies the 1st half of the file.
NS009068	(1-1222x13) Option to set Hunt Group entry to 'manual' after missing a call
NS009401	(1-1222x13) Apply Hunt Group Wrap Time only for the entry that has answered a call
NS009176	(1-1222x14) Block entry to Call Queue if `agent_required`='yes' and all agents have logged out, and apply Forward No Answer
NS009493	(1-1222x14) Correct parsing of SDP Media with Number of Ports parameter and the option to block it by system parameter <SdpBlkMediaPortSlash1>
NS008854	(1-1222x15) Correct missing SBUS event upon changing from real time action of Subscriber feature provisioning, PIN, and setting for greeting/vmail
NS008360 NS009534	(1-1222x16) Constraint Presence Buddy to be within Subscriber's domain
	(1-1222x17) Added system parameter <MySqlTogACommit> (default to no) to specify toggling MySQL AutoCommit upon start/stop of a batch for commit
NS009544	(1-1222x17) Check for Reject condition against Out-Of-Dialogue OPTIONS

NS008094 NS009558	(1-1222x18) Ignore NCS in S-Ring
	(1-1222x19) Enforce max SBUS FIFO by <SBusFifoSize> and changed its default from 10K to 100K
	(1-1222x19) Registrar stop sending background periodic SBUS "registrar_events" that has no changes once the internal SBUS FIFO height reach its throttling level at (<SBusFifoSize> - 2 x <DbMaxSelect>). Default for <SBusFifoSize> is 100K, and <DbMaxSelect> is 1K.
NS009500	(1-1222x20) Correct HuntGroup entry action update via API from messing up the entry's call limit
NS009624	(1-1222x21) Correct operation of <OwnUser> and <OwnCidEmgr> Dial Translation Token
	(1-1222x21) Added <ByUser>, <ByDomain>, <ByUriUser> and <ByUriDomain> Dial Translation Token
NS004076 NS008706 NS009177	(1-1222x22) Added "RngBckQueue" option (as a token in the Dial Plan Entry) for Call Park application, to ring back the device that commanded the call park upon the No Answer T/O of the Parking Queue's Owner. Upon answer to the ringback, option to retrieve the call or do nothing and keep the call in the parking queue.
NS009603	(1-1222x23) Added handling of routing to Connection with Registration address at remote Geo node
	(1-1222x24) Added "Timeframe" option to "set_parameter" to support "Activate-Timeframe" and "DeActivate-Timefram" responder applications
NS009431	(1-1222x25) Correct signalling of PCMU in SDP when sending outbound for API 'call' action to "tap_pcm"
	(1-1222x25) NOTIFY for "as-feature-event" event notifies one feature per message to prevent big message body from causing packet fragmentation
	(1-1222x25) Added system parameter <ReInvUpdRspCache> (default to yes) to update cached response upon re-INVITE
	(1-1222x28) Add more protection against big URI in SIP Request
NS009659	(1-1222x29) More consistently return ACK with To-Tag against Response that has To-Tag
	(1-1222x29) Correct application of <SysUser> and <SysHost> when Connection's Authentication User to construct SIP's Contact Header
	(1-1222x30) Parse list of "admit" host from SBus Proxy status
NS009774	(1-1222x30) Added heart beat across SBUS for Subscriber Session
NS009742	(1-1222x31) Extend address correlation for Mid-Call Digit detection to include media address in addition to signalling address
NS009808	(1-1222x31) Correct missing check against active registration for device registered at remote geo peers
	(1-1222x32) Add index `to_host`, `dialplan` and `matchrule` to `SiPbxDomain.dialplan_config`
	(1-1222x32) Added App IP auto fall back to lookup from System Parameter <AppHostname> and finally IP bound to eth0.
	(1-1222x32) Add consideration for hostnames in System Parameter <HaPeerHostnames> when checking for remote registration
	(1-1222x32) Add System Parameter <PresenceReqReg> (default to yes) to provide not option to accept SUBSCRIBE from device without valid Registration
	(1-1222x33) Add System Parameter <QueryHaPeers> (default to no) to auto query the list of HA Peers for reference by the logic to check for remote registration
NS009863	(1-1222x33) Correct crash when re-SUBSCRIBE for "as-feature-event" has no Content
NS009867	(1-1222x33) Correct propagation of "as-feature-event" via the SBus "subscriber_events" channel
	(1-1222x34) Added system parameter <SBusSendAcr> (default to no) to publish Active Call Record over SBUS
	(1-1222x35) Prevent Confirmed Required from being changed when changing availability in hunt group entry
	(1-1222x35) Upon flush ACR to CDR at restart, publish deleted local ACR to SBUS

NS003462 NS005810 NS009180	(1-1222x36) Added system parameter <CallQueueEscapeKeys> (default to NULL) to specify the set of digits from with any single digit within this set can be pressed to escape from Call Queueing
	(1-1222x36) Enhanced debug tracing for Call Pickup and Call Retrieve
	(1-1222x37) Add `gau_gateway` to `SiPbxDomain`.`status`
NS009977 NS010148 NS010188	(1-1222x37) Correct Connection delete operation in updating external db (when SBUS is not used for the configuration)
NS009958	(1-1222x37) Upon Domain Limit on inbound, return 485 instead of 503
NS009911	(1-1222x37) Comment out update to Registrar by INVITE's receive from IP address and port
NS010058	(1-1222x37) Resized `SiPbxDomain`.`route_config`.`route_name` from 31 to 63
NS009900	(1-1222x37) Recoded the Call-ID Seq function
NS009900	(1-1222x38) Increase Call-ID Seq number from 8 to 16-bit
	(1-1222x39) Add `gau_domain` to `SiPbxDomain`.`status`
	(1-1222x39) Add Dial Translation Token <ShowCallerId> to undo <Anonymous>
	(1-1222x39) When creating directories for "domain" user, create empty directory for all available language from default audio

UI Code

Issue #	Descriptions
	(1-1222x1) Remove un-necessary "CREATE DATABASE IF NOT EXIST" upon connection to DB
NS009441	(1-1222x2) Added filter for "Registered At" to the page for User Devices
NS009421	(1-1222x2) Added filter to System Status page for Type, Hostname and Status
NS009295	(1-1222x2) Correct span width for table footer
	(1-1222x13) Added `auto_logout` to `SiPbxDomain`.`huntgroup_config`
	(1-1222x14) Added `agent_required` to `SiPbxDomain`.`callqueue_config`
	(1-1222x15)
	(1-1222x15) Added count of UA in UA filter drop down at Device page
	(1-1222x16) Added SBus to Upload/Select/Purge/Restart pages (controlled by UI_SHOW_SBUS)
	(1-1222x17) Added Oauth, Time Frame and Time Range to Backup
	(1-1222x32) Add index `to_host`, `dialplan` and `matchrule` to `SiPbxDomain`.`dialplan_config`
NS009357	(1-1222x33) Added support for UI_CALL_LIST_DELAY_PER_CALL to throttle calls from call list.
	(1-1222x37) Add `gau_gateway` to `SiPbxDomain`.`status`
NS010058	(1-1222x37) Added `hostname` filter option to ACR at System Status page
	(1-1222x39) Add `gau_gateway` to `SiPbxDomain`.`status`
	Added System Update To 1-1222 <ul style="list-style-type: none"> • add `auto_logout` to `SiPbxDomain`.`huntgroup_config` • add `agent_required` to `SiPbxDomain`.`callqueue_config` • add index `to_host` to `SiPbxDomain`.`dialplan_config` • add index `dialplan` to `SiPbxDomain`.`dialplan_config` • add index `matchrule` to `SiPbxDomain`.`dialplan_config` • add `role` to primar key for `SiPbxDomain`.`ui_config` • add `gau_gateway` to `SiPbxDomain`.`status` • add `gau_domain` to `SiPbxDomain`.`status` • resized `SiPbxDomain`.`route_config`.`route_name` from 31 to 63

Responder

Issue #	Descriptions
NS009611	(1-1222x1) Added "To User Residential Add Header" and "To Device Residention w/VM - Add Header" application
NS004076 NS008706 NS009177	(1-1222x22) Added the "Ringback from Park" application
	(1-1222x24) AAdded "Activate-Timeframe" and "DeActivate-Timefram" applications
	(1-1222x39) AA VMail check Domain configured for Residential and auto Branch to Residential VMail

Audio Files

Audio Files	Descriptions
phrase-rngbck-frm-park-options.wav	Press one to retrieve the cal
phrase-you-have-a-parked-call.wav	You have a parked call
phrase-operation-failed.wav	Sorry ! The system fail to perform the requested operation. Please contact the system administrator
timeframe-is-activated.wav	Time Frame is activated
timeframe-is-deactivated.wav	Time Frame is deactivated

Upgrade Procedures

- System > Backup and Restore > Code Upload
 - Upload from: **nms-1-1222-u12_64.tar.gz**
 - Click "Upload Code"
- System > Backup and Restore > Code Upload
 - Upload from: **Nms_UI_1-1222.tar.gz**
 - Click "Upload Code"
- System > Backup and Restore > Code Upload
 - Upload from: **ncs-1-1222-u12_64.tar.gz**
 - Click "Upload Code"
- System > Backup and Restore > Code Select
 - Click "Change"
 - Select
 - SiPbx Filename: **nms-1-1222-u12_64**
 - NCS Filename: **ncs-1-1222-u12_64**
 - UI Filename: **Nms_UI_1-1222**
 - Click "Apply"
- System > Backup and Restore > Archive Upload
 - Upload from: **Responder_1-1222.nca**
 - Click "Upload"
- System > Backup and Restore > Configuration Restore
 - Restore from: **Responder_1-1222**

- Click "Restore"

- Untar **Audio_1-1222.tar.gz** to /usr/local/NetSapiens/default/audio
- Refresh browser to make system updates available in UI
- System > System Update > To 1-1222
 - If there is no confirmation message, repeat this step.
 - Note: All intervening DB updates must also be applied (e.g., To 1-1199 ... To 1-1222).
 - Note: DB error messages can safely be ignored.
 - Note: Requires tac login.
 - Important: Apply at both sides of an HA pair.

- Restart NMS and NCS to activate the new version