NMS Release 1-1210

Release Date

2011-08-02

Highlight

- Insert Agent Log upon responder <set_parameter> "DeviceMakeAvailable", "DeviceMakeAuto" and "DeviceMakeUnavailable."
- Show length of call (Talking Time) in active call screen.
- Minutes remaining announcement only without balance in prepaid application.
- Auth Realm in user devices defaults to domain if not already defaulted.
- Add Watch to subscriber import/export
- Correct several crash cases
- Handle BYE and INFO better in certain unexpected states.
- Holiday features
- Better call queue active call list with better tracking of states and auto refresh
- No longer retry on a sip 482 (loop detected)

New Features

Publicly Available

- Allow the system to set call features based on specific dates.

Currently in Beta Release

- Added the option to Prompt for Call Retrieval at each of the Simultaneous Ring group destinations, before cancelling the other ringing destinations; this allows the call to land back at the device voicemail instead of the remote phone's voicemail, e.g. cellphone.
- Simultaneous Ringing with list of devices from a pre-defined Hunt Group, and count ringing time as corresponding queue waiting time. This feature also allows for taking numbers in and out of a simultaneous ring group more easily without having to delete and re-enter them.

Resolved Issues

Issue #	Issue Type	Descriptions
NS001271	Feature	OwnCidNmbr
NS002862	Feature	Set Login/Logout State via Responder
NS002887	Feature	Find me, Follow me, Sim Ring feature request
NS002936	Feature	Forward Not Registered set via star code (responder app)
NS003068	Feature	Prepaid Applications to announce Minutes Only, no Balance
NS003084	Feature	Holiday TOD request
NS003134	Feature	Call Length Feature Request

NS003146	Feature	Domain filter in UI page
NS003163	Feature	sbus replication of level1_access
NS003166	Feature	Sim Ring option in Huntgroup
NS003199	Defect	Info packet pre 200ok, cause no ack case.
NS003218	Feature	Export Subscriber -- Missing 'watch' column
NS003261	Feature	Ignore alternate route after 482
NS003266	Feature	default auth_realm to domain if not already set in default_values.
NS003272	Defect	Call Queues
NS003293	Defect	Prompt application to "to user residential" causes a bye
NS003296	Defect	System crash
NS003407	Defect	Domain Lock vs Connection
NS003418	Defect	BYE message not being acknowledged in Inviting state

Database Changes

Table	Fields
`SiPbxDomain`.`feature_config`	PRIMARY KEY
`SiPbxDomain`.`status`	`cnt_con_lck`,`cnt_con_lim`,`cnt_dom_lck`,`cnt_dom_lim`,`cnt_sub_lck`,`cnt_sub_lim` `cnt_inv_rcv`,`cnt_can_rcv`,`cnt_no_omatch`,`cnt_407_snd`,`cnt_not_auth`,`cnt_no_ack`,`cnt_inv_s `cnt_2xx`,`cnt_3xx`,`cnt_4xx`,`cnt_401`,`cnt_404`,`cnt_407`,`cnt_482`,`cnt_483`,`cnt_486`,`cnt_487`

Compatibilities

Modules	Compatible Versions
NMS	1-1210
Responder	1-1210
NCS	1-1209
NMS UI	1-1210
NFR	1-1209
Enotify	1-1206b
NAS	1-1210
LICF	1-1208
NDP	1210.*.*
NupX	1206.*.*
netsapiens-sbus	1210.*.*
netsapiens-services	1210.*.*
netsapiens-tacserver	1.1206.*
netsapiens-agent	1210.*.*

*red means no new version with code

Changes

NCS CPP Code

No change.

NMS CPP Code

Issue #	Descriptions
NS003199	(1-1210x1) Tolerate INFO during pending INVITE transaction. Addressing the issue of the system failing to acknowledge the 200ok even though the 200ok message was forwarded and received a response
	(1-1210x2) Handle additional Request, e.g. INFO during pending INVITE, by sending "491 Request Pending"
	(1-1210x3)Recoded the GetDigitsFromAddress to return "string" instead of "const char *"
	(1-1210x4) Removed the use of "sting.c_str()" as return value from any functions
	(1-1210x6) Handled Simultaneous Ring with only 1 destination as Forward Always
NS003166	(1-1210x7) Added <HuntGroup> token to select Simultaneous Ringing with list of devices configured for "Auto Immediate" from a pre-defined Hunt Group, and count ringing time as corresponding queue waiting time.
NS002936	(1-1210x8) Added support for Responder application to Enable/Disable and Change Destination for Forward Not Registered via a star code
NS003261	(1-1210x9) Stop Alternate/Backup Route upon receiving a 482 response (Loop Detected) from the primary route
NS001271	(1-1210x9) Fall back to "[*]" if translation token for <OwnUser>, <OwnDomain> or <OwnCidNmbr> results in NULL
	(1-1210x10) Added <AllowDupliHeader> to accept SIP message with duplicated headers
	(1-1210x10) More checking against invalid or no RTP Type for Telephone Event
NS003296	(1-1210x10) Check against crash at empty Route Package when a device trying to retrieve a call is unresponsive and the system tries to pass the call to it
	(1-1210x11) Corrected crash (crept in at 1-1209) when attempting to add Subscriber beyond the licensed limit.
NS002887	(1-1210x12) Added the option to Prompt for Call Retrieval at each of the Simultaneous Call destination, before cancelling the other ringing destinations
	(1-1210x13) Corrected pre-matured No Answer T/O during Call Pickup
	(1-1210x14) Correct a numerical wrap around in Call Queue T/O when the System's Ring No Answer is large
	(1-1210x14) Tweaked the CDR's "From Device" for Call Back application such as "Prompt-Retrieve" used by Simultaneous Ringing
NS003272	(1-1210x15) Call Queue hold dispatching entry in memory queue (but purge external db entry) in case no answer to maintain queue position and correct Wait Time
	(1-1210x16) Retain "dispatching" queue entry in external Db for viewing by UI
	(1-1210x17) Stop greeting from falling back to domain/default directories if not found in user's directory
NS003293	(1-1210x18) Added support for responder `invite_resi` after initial multi-tier AA steps to prevent the system from sending a BYE message after To User Residential responder starts
NS003084	(1-1210x18) Added `activation` and `expires` to subscriber's call feature lookup to allow the system to set call features based on specific dates

NS002862	(1-1210x19) Insert Agent Log upon responder <set_parameter> "DeviceMakeAvailable", "DeviceMakeAuto" and "DeviceMakeUnavailable" to enable the use of call center statistics to track login/logout for users that use their devices to invoke the responder applications
	(1-1210x19) Added system parameter <CdrRoundUp> to provide option to round up the CDR duration for answered call
	(1-1210x21) Insert Sim-Ringing Hunt Group into Queue with status "sim-ringing" to contribute to Queue 's WaitTime statistics
	(1-1210x22) Added more statistics for SIP responses
NS003407	(1-1210x22) Correct checking of Domain Lock for Connection that was causing Domain Lock against Connection to only be effective at Origination but not at Termination
	(1-1210x23) Rename SIP's response count prefix from `gau_` to `cnt_`
	(1-1210x24) Added `cnt_no_rsp`, `cnt_404`, `cnt_482` and `cnt_483`
	(1-1210x25) Correct the selection of the MOH directory from the Queue's Owner MOH direcotry, before falling back to the Domain's and finally falling back to the Default's MOH (This was a bug crept in at 1-1210x4)
	(1-1210x26) Correct broken Activate/Deactivate of User Call Feature from star code (This was a bug crept in at 1-1210x18)
	(1-1210x26) Added missed handling of BYE in Confirming State (i.e. between 200 and ACK)

UI Code

Issue #	Descriptions
NS003218	(1-1210x1) Added Device's `watch` to Export and Import
NS003134	(1-1210x1) Added Call Length to Active Call display
NS003146	(1-1210x1) Added Plan, Domain & Territory filters to Dial Translation's "Copy Existing Translation" page
NS003163	(1-1210x1) Added SBUS option to configuration for System Accesss
NS003266	(1-1210x2) Default Authentication Realm to Owner's Domain if there is no default when adding Device
NS003314	(1-1210x3) Prevent duplicate entries in call center stats when same huntgroup name is used in two domains.
NS003314	(1-1210x3) Fix abandoned call report to include proper time window.
NS003084	(1-1210x18) Exposed `activation` and `expires` in Admin's page for Subscriber's call feature
	(1-1210x20) Update Copyright statement to include current year.
	(1-1210x22) Added option to set Default Values for Hunt Group Entries
	(1-1210x22) Rename UI_STAT_QUEUE_REFERESH as UI_STAT_QUEUE_REFRESH
	(1-1210x22) Rename USE_LIDF_FOR_RECORIDNG to USE_LIDF_FOR_RECORDINGS
	(1-1210x22) Added more statistic for SIP responses
	(1-1210x23) Added Hunt Group Name and Call Queue Name filter to Hunt Group and Call Queue page respectively
	(1-1210x23) Prevent non TAC/Admin from changing default MOH/Wordfile
	(1-1210x24) Added `cnt_no_rsp`, `cnt_404`, `cnt_482` and `cnt_483`
	(1-1210x25) Show delta in audit log for changes
	Added System Update To 1-1210 • Added `activation`,`expires` to PRIMARY KEY for table `SiPbxDomain`.`feature_config` • Resized `subscriber_name` and `subscriber_domain` in table `SiPbxDomain`.`registrar_config`

- Added `cnt_con_lck`,`cnt_con_lim`,`cnt_dom_lck`,`cnt_dom_lim`,`cnt_sub_lck`,`cnt_sub_lim`, `cnt_inv_rcv`,`cnt_can_rcv`, `cnt_no_omatch`, `cnt_407_snd`, `cnt_not_auth`, `cnt_no_ack`, `cnt_inv_snd`,`cnt_can_snd`, ,`cnt_no_rsp` `cnt_2xx`, `cnt_3xx`, `cnt_4xx`, `cnt_401`, `cnt_404`, `cnt_407`, `cnt_482`, `cnt_483`, `cnt_486`, `cnt_487`, `cnt_488`, `cnt_5xx`, `cnt_503`, `cnt_6xx`, `cnt_603` to table `SiPbxDomain`.`status`
- Rename UI_STAT_QUEUE_REFERESH as UI_STAT_QUEUE_REFRESH
- Rename USE_LIDF_FOR_RECORIDNG to USE_LIDF_FOR_RECORDINGS

Responder

Issue #	Descriptions
NS002936	(1-1210x8) Added applications "Set-Fwd-Not-Reg", "Activate-Fwd-Not-Reg" and "DeActivate-Fwd-Not-Reg"
NS003068	(1-1210x9) Added "Prepaid Passthru w/oBalance" and "Passthru ANI w/oBalance"
	(1-1210x12) Added "Prompt-Retrieve" application
	(1-1210x14) Tweaked the CDR's "To Device" for "Retrieve Call" application

Audio Files

Audio Files	Descriptions
phrase-fwd-not-reg-dest-is.wav	Forward Not Registered to
phrase-fwd-not-reg-is-disabled.wav	Forward Not Registered is now disabled
phrase-fwd-not-reg-is-enabled.wav	Forward Not Registered is now enabled
phrase-fwd-not-reg-is-unavailable.wav	The Call Forward Not Registered feature is not available
phrase-please-enter-fwd-not-reg-dest.wav	Please enter the number you wish to Forward Not Registered to.
prompt-retrieve.wav	Press one to accept this call

Upgrade Procedures

- System > Backup and Restore > Code Upload
    - Upload from: **nms-1-1210-f12_64.tar.gz**
    - Click "Upload Code"
- System > Backup and Restore > Code Upload
    - Upload from: **Nms_UI_1-1210.tar.gz**
    - Click "Upload UI"
- System > Backup and Restore > Code Upload
    - Upload from: **ncs-1-1209-f12_64.tar.gz**
    - Click "Upload Code"

- System > Backup and Restore > Code Select
    - Click "Change"
    - Select
        - SiPbx Filename: **nms-1-1210-f12_64**
        - NCS Filename: **ncs-1-1209-f12_64**
        - UI Filename: **Nms_UI_1-1210**

- Click "Apply"

- System > Backup and Restore > Archive Upload
  - Upload from: `Responder_1-1210.nca`
  - Click "Upload"
- System > Backup and Restore > Configuration Restore
  - Restore from: `Responder_1-1210`
  - Click "Restore"

- Untar **Audio_1-1210.tar.gz** to /usr/local/NetSapiens/default/audio

- Refresh browser to make system updates available in UI
- System > System Update > To 1-1210
  - If there is no confirmation message, repeat this step.
  - Note: All intervening DB updates must also be applied (e.g., To 1-1199 ... To 1-1210).
  - Note: DB error messages can safely be ignored.
  - Note: Requires tac login.

- Restart NMS and NCS to activate the new version