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NMS Release 1-1209

Release Date

2011-06-24

Highlight

- Many small fixes and one crash case patched.
- More steps towards full geo-redundant support
- New "Empty Voicemail" button, which is in addition to "Empty Data" button
- Real time queue/hunt group status output
- Added "Toggle-DND" application
- Added option to replicate over SBus for "Default Values", "UI Config", "Service Code", "Images Config", "Responder" and "WordFile"
- Added "Run Stats" option to Hunt Group
- Call center graphs

Resolved Issues

Issue #	Issue Type	Descriptions
NS002233	Feature	Device sometimes not being made available in Hunt Group
NS002860	Feature	When turning V-Mail control off for Residential user it does not turn off Greeting
NS002884	Defect	To User and To User Residential poor handling of 400 response
NS002889	Defect	When no device registered, prompt no answer forwards immediately
NS002897	Defect	Force Notify not working
NS002909	Feature	Add Section Info to Frame Titles
NS002956	Defect	Broadsoft doesn't like to: tag on reinvite after 401r
NS002927	Defect	SiPbx killed After Using Audio Monitoring
NS002971	Defect	Call drops when you press hold
NS002982	Defect	Real time queue/hunt group status output
NS002984	Feature	add hostname tag to element_domain
NS002989	Feature	"empty voicemail" button in addition to "Empty Data" button
NS002994	Defect	Problem with transferred calls
NS003049	Feature	UI Config knob to hide call history page
NS003058	Defect	Conference Bridge paging
NS003075	Defect	Alternate Route by Un-answered S-Ring Leg cause subsequent Leg Mixed Up
NS003154	Defect	Call transfer on user portal crashes NMS
NS003169	Feature	Invite Message (with multiple colon) being ignored
NS003184	Defect	php warnings on playback.php
NS003191	Defect	Voicemail emails with attachments, come without attachments

Database Changes

Table	Fields	Descriptions
`DiagDomain`.`status`	`min_ans`	Change to BIGINT(16) to avoid numerical saturation for a longer period
`SiPbxDomain`.`status`	`min_ans`	Change to BIGINT(16) to avoid numerical saturation for a longer period
`SiPbxDomain`.`element_domain`	`hostname`	ADD `hostname` to `SiPbxDomain`.`element_domain`
`NcsDomain`.`participant_config`	`hostname`	ADD `hostname` to table `NcsDomain`.`participant_config`
`SiPbxDomain`.`registrar_config`	`hostname`	ADD `hostname` to table `SiPbxDomain`.`registrar_config`

Compatibilities

Modules	Compatible Versions
NMS	1-1209
Responder	1-1209
NCS	1-1209
NMS UI	1-1209
NFR	1-1203
Enotify	1-1206b
NAS	1-1209
LICF	1-1208
NDP	1209.**
NupX	1209.**
netsapiens-sbus	1209.**
netsapiens-services	1209.**
netsapiens-tacserver	1209.**
netsapiens-agent	1209.**

*red means no new version with code

Changes

NCS CPP Code

Issue #	Descriptions
	(1-1209x1) Scrubbed the use of the MediaProcess and Gateway objects
	(1-1209x2) Scrubbed the use of the Socket Adaptor and RTP Session objects
NS002984	(1-1209x11) Added "hostname" field to element_domain db table
	(1-1209x12) Add "hostname" field to to `NcsDomain`.`participant_config`
NS003058	(1-1209x14) Check for Participant's IsToDisconnect while Inviting Participant, to stop ringing any un-answered participant upon end or aborted paging
	(1-1209x15) Maintain and not disconnected "Trigger Called" Participants upon Re-Inviting for Session Timer

NMS CPP Code

Issue #	Descriptions
	(1-1209x1) Check against negative call duration and causing saturation to Answered Minute statistic
	(1-1209x1) Check for pending license update on startup
NS002884	(1-1209x1) Continue to perform "Handle Fail to INVITE" upon 400 during Inviting
NS002860	(1-1209x2) Added 'invite_resi' responder to look ahead vmail configuration in case of fail to Invite
NS002889	(1-1209x3) Corrected handling of Prompt No Answer to ConnectDevice and InviteDeviceState
NS002889	(1-1209x3) Prepend "PromptNoAnswer" to "ForwardNotRegistered"
	(1-1209x4) Added system parameter "IfName" to configure the IF Name to lookup the MAC address for license control and if not NULL to disable to deduction of IF Name from configured application IP
NS002927	(1-1209x4) Correct crash upon exit from Audio Monitoring
NS002971	(1-1209x5) Check against no Telephone Event Type in original INVITE in the logic to use the same Telephone Event Type
	(1-1209x6) Scrubbed the use of the Subscriber object
	(1-1209x7) Scrubbed the use of the MediaProcess and Gateway objects
	(1-1209x8) Scrubbed the use of the Socket Adaptor and RTP Session objects
NS002956	(1-1209x9) Tightened the update of To-Tag to only 2xx and 101-199
NS002994	(1-1209x10) Handle re-INVITE from caller while connecting to callee or dispatching call from queue
NS003012	(1-1209x11) Added support for "Toggle-DND" responder application
NS002984	(1-1209x11) Added "hostname" field to `element_domain` db table
	(1-1209x13) Added `hostname` to table `SiPbxDomain`.`registrar_config`
NS002233	(1-1209x14) Added "make_im" (i.e. Make Auto Immediate) and "make_ma" (i.e. Make Manual) to Hunt Group Entry's action
	(1-1209x15) Adjust Subscriber Session counting logic to allow Call Queue and Device Owner to both count the same active call
NS003075	(1-1209x15) Corrected a Term Call Leg mixed up triggered by Alternate Route during S-Ring for one of the un-answered Forward Leg
NS002982	(1-1209x16) Added writing of Hunt Group real-time statistic to database, controlled by `huntgroup_config`.`run_stats`
NS003154	(1-1209x17) Correct crash upon spawned/xferred call introduced by changed in 1-1209x6
NS002897	(1-1209x18) Correct erroneous wiping of "ForceNotify" upon RSync
NS003169	(1-1209x18) Added system parameter <AllowMultiColon> to control whether to allow multiple colon (e.g. ":::") in the URIs
	(1-1209x18) Added system parameter <HGSendStatus> to control whether to send Hunt Group status
NS003191	(1-1209x19) Correct missing email attachment since 1-1209x17
	(1-1209x20) Add auto purge to Hunt Group Status with System Parameter <HGStatusKeepDays> default to "90"

UI Code

Issue #	Descriptions
	(1-1209x1) Correct Record Time and Duration display in Admin's Greeting's page
	(1-1209x11) Added hostname to System Status
	(1-1209x12) Added "Conference At" parameter to Participant entry in Conference page
	(1-1209x13) Added "Registered At" parameter to Device entry
NS003049	(1-1209x14) Added knobs UI_SHOW_CDR, UI_CDR_ALLOW_DOWNLOAD and UI_CDR_ALLOW_PURGE
NS002909	(1-1209x14) Add Section header to Frame Titles for all Admin pages.
NS002989	(1-1209x14) Added BUTTON_EMPTY_VOICE_MAIL configured by UI_ALLOW_EMPTY_VOICE_MAIL
NS002982	(1-1209x15) Added "Run Stats" option to Hunt Group
	(1-1209x15) Implied wild card in front of the specified Device Search in "Connection-Device" page
	(1-1209x16) Added reference to Default Value when adding HuntGroup
	(1-1209x17) Added Graphing of Call Center Statistics
NS003184	(1-1209x18) Corrected PHP Warnings in playback.php
	(1-1209x19) Added agent stats graph per queue
	(1-1209x20) Added live graphs, agents available vs. call queues.
	(1-1209x21) Added option to replicate over SBus for "Default Values", "UI Config", "Service Code", "Images Config", "Responder" and "WordFile"
	(1-1209x21) Added <PLAYBACK_CONTENT_TYPE_WAV> to configure the "content-type" for the playback, default to "audio/x-wave"
	Added System Update To 1-1209 <ul style="list-style-type: none"> • CHANGE `min_ans` to BIGINT(12) in table `SiPbxDomain`.`status` • CHANGE `min_ans` to BIGINT(12) in table `DiagDomain`.`status` • ADD `hostname` to `SiPbxDomain`.`element_domain` • ADD `hostname` to table `NcsDomain`.`participant_config` • ADD `hostname` to table `SiPbxDomain`.`registrar_config`

Responder

Issue #	Descriptions
NS002860	(1-1209x2) Re-programmed "To User Residential" application to utilize 'invite_resi' instead of 'invite_call' to look ahead vmail configuration in case of fail to Invite
NS002889	(1-1209x3) Added "Prompt Forward Not Registered" application
	(1-1209x11) Added "Toggle-DND" application

Audio Files

Audio Files	Descriptions

Upgrade Procedures

- System > Backup and Restore > Code Upload
 - Upload from: **nms-1-12xx-f12_64.tar.gz**
 - Click "Upload Code"
- System > Backup and Restore > Code Upload
 - Upload from: **Nms_UI_1-12xx.tar.gz**
 - Click "Upload UI"
- System > Backup and Restore > Code Upload
 - Upload from: **ncs-1-12xx-f12_64.tar.gz**
 - Click "Upload Code"
- System > Backup and Restore > Code Select
 - Click "Change"
 - Select
 - SiPbx Filename: **nms-1-1207-f12_64**
 - NCS Filename: **ncs-1-12xx-f12_64**
 - UI Filename: **Nms_UI_1-12xx**
 - Click "Apply"
- System > Backup and Restore > Archive Upload
 - Upload from: **Responder_1-12xx.nca**
 - Click "Upload"
- System > Backup and Restore > Configuration Restore
 - Restore from: **Responder_1-12xx**
 - Click "Restore"
- Untar **Audio_1-12xx.tar.gz** to /usr/local/NetSapiens/default/audio
- Refresh browser to make system updates available in UI
- System > System Update > To 1-12xx
 - If there is no confirmation message, repeat this step.
 - Note: All intervening DB updates must also be applied (e.g., To 1-1199 ... To 1-12xx).
 - 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