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NMS Release 1-1211

Release Date

2011-09-18

Highlight

- SLA (shared line appearance)
- Max call thresholds on inbound call to queue, force forward busy.
- Support RFC 4028 for Session Timer and NMS as Refresher if neither side does
- Ability to have multiple Ip's and dns hostnames in the IP filed when using check ip.
- Status tracking of event fifo and event rate to monitor amount of trace system is recording.
- Added a "reject table" to track failed attempts at calls and registrations.
- Added option to specify <OwnDevices> as destinations for Simultaneous Ring
- ability to add gain (volume) to media played back through downloads from system. vmails, moh, etc...
- added confirmation to set forward menu in the vmail ivr.

Features

Publicly Available

- All features.

Resolved Issues

Issue #	Issue Type	Descriptions
NS001231	Feature	Shared line presense
NS001642	Feature	support for the SLA (shared line appearece) of polycom and other
NS002380	Feature	Check IP function lacks DNS resolution
NS003064	Defect	Bad CSeq in incoming call leg should not be re-used in outgoing call leg
NS003114	Feature	Shared Call Appearance light
NS003228	Feature	Search for dial permissions
NS003273	Feature	Max call threshold , force forward on call queue
NS003478	Feature	Session timer on a connection
NS003541	Defect	NAT/WAN Never issue
NS003556	Defect	Bug appearing in call features.
NS003597	Feature	CheckIP for multiple IPs per connection
NS003604	Feature	Cdr downloads on large ranges ar not working
NS003656	Defect	Duplicate cdr's (one with "no dial rule") create for outbound calls
NS003682	Defect	Calls disconnecting after cancelled transfer and park attempt
NS003695	Defect	To-user-resi application issue on full vmail box

Compatibilities

Modules	Compatible Versions
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NMS	1-1211
Responder	1-1211
NCS	1-1211
NMS UI	1-1211
NFR	1-1209
Enotify	1-1206b
NAS	1-1210
LICF	1-1211
NDP	1211.*.*
MUI	1211.*.*
NupX	1206.*.*
netsapiens-sbus	1211.*.*
netsapiens-services	1211.*.*
netsapiens-tacserver	1211.*.*
netsapiens-agent	1211.*.*

*red means no new version with code

Database Changes

Table	Fields	Descriptions
`SiPbxDomain`.`status`	`cnt_evt`,`fifo_evt`	Report # Event generated and the height of the Event FIFO
`SiPbxDomain`.`callqueue_config`	`wait_limit`,`length_limit`	To define the wait and queue length limit to a Call Queue
`SiPbxDomain`.`status`	`cnt_evt_ovr`	Report # Events that overflow the Event FIFO and get discarded

Changes

NCS CPP Code

Issue #	Descriptions
	(1-1211x1) Sync up to shared libraries with NMS
	(1-1211x2) Conform to RFC 4028 for Session Timer operation

NMS CPP Code

Issue #	Descriptions
	(1-1211x1) Log information about "No Origination Match" and "Not Authorized" INVITE and REGISTER to the `rejected` table

	(1-1211x2) Constrained Reject Log update rate
	(1-1211x3) Sample Active Process in `status_workers`
	(1-1211x4) Added `hostname` (for Rejected By) and `contact` to the `rejected` (i.e. Reject Log) table
	(1-1211x4) Added mutex to protect Socket's adaptor
NS003478	(1-1211x5) Correct spurious "Session Expires" header from Session Timer logic
NS003541	(1-1211x6) Correct the handling of NatWan='never'
NS003478	(1-1211x7) Support RFC 4028 for Session Timer and NMS as Refresher if neither side does
NS003478	(1-1211x8) Added System Parameter <SessionRefresh> (default to 0.5) and <SessionEnforce> (default to 1.2) as ratio of the negotiated Session-Expires to send Re-INVITE by the NMS for Session Refresh respectively if the NMS is the refresher, or if the NMS is not the refresher
NS003478	(1-1211x8) Added Connection Token <NoSessionTimer> (default to not disable) to disable Session Timer for specific connection
	(1-1211x9) Correct Buffer logic for Reject Log from mis-use of std::map
	(1-1211x10) Correct crash when Forward VMail via Call Request
NS003064	(1-1211x11) Enforce Method in CSeq when forward Request
NS003597	(1-1211x13) Match single Connection from multiple IP addresses
NS001231 NS001642 NS003114	(1-1211x14) Added SUBSCRIBE/NOTIFY support for the "Call-Info" and "Line-Seize" Event Package.
NS001231 NS001642 NS003114	(1-1211x14) Added option to specify <OwnDevices> as destinations for Simultaneous Ring
	(1-1211x14) Route to list of devices directly and skip forward Dial Plan upon S-Ring to <HuntGroup> or <OwnDevices>
NS001231 NS001642 NS003114	(1-1211x14) Added handling of Call Pick Up during Music On Hold
NS001231 NS001642 NS003114	(1-1211x14) Look for Self-INVITE with "appearance-index" as Shared-Line Pickup
	(1-1211x14) Check against User Self-Looping via S-Ring/Forward
	(1-1211x15) Added Event Count and FiFo Gauge to Processing Statistics
NS002380	(1-1211x16) Check Connection received from IP optionally against FQDN (vs IP) with DNS lookup
NS003273	(1-1211x16) Added "Wait Limit" and "Length Limit" to Call Queue and apply <Forward Busy> upon such limits
NS003656	(1-1211x17) Remove extra CDR entry generated from looping through "cascaded" Dial Plan Chain
	(1-1211x18) Addition mutex lock in the RTP Relay to protect Read/Write contention to the Digits received from address.
	(1-1211x19) Correct UAC Transaction logic flow to complete state transition before sending event to Session Layer to prevent state machine inconsistency from Session Layer returning event to the UAC while the transition is pending
	(1-1211x20) Added <DialMatchPreClean> with default to "yes" to specify Pre-Clean URI User part to strip '(', ')', '!', <space> and <tab> prior to matching
	(1-1211x20) Remove extra copy of From-URI's Display Name in Responder Trace for the Dial Plan
NS003695	(1-1211x21) Ignore Data Storage Limit when "Look Ahead" for VMail configuration upon fail to Invite/Connect, to allow the option to announce "VMail Full"
NS003682	(1-1211x21) Correct Call Legs alignment for mid call action after Hold/Unhold

	(1-1211x21) Update RFC2833 Payload Type upon every re-INVITE during Talking
	(1-1211x22) Set Release Reason "Domain Not Found" for Connection that has non existing domain
	(1-1211x23) Discard and not write to Text Log for Events that overflow the Event FIFO, but increment the Event Over Count in Processing Statistics
	(1-1211x24) Set configurable max SQL Insert rate independently for ACR vs CDR vs Event
	(1-1211x25) Set configurable max SQL Insert rate for DbUpdate
	(1-1211x26) Replaced "const char *" by "string" in db interface function to accommodate bigger SQL statements

UI Code

Issue #	Descriptions
	(1-1211x1) Added Reject Log page
NS003556	(1-1211x8) Added 1 additional line to User UI for the Simultaneous Ring Destination to for the 5th+ destinations.
NS003228	(1-1211x8) Added Match and Reason Search to Dial Permission
	(1-1211x9) Add UI Config <PLAYBACK_SHOW_GAIN> and <PLAYBACK_GAIN_DEFAULT> to provide Gain scaling option to Playback
	(1-1211x15) Added Event Count and FiFo Gauge to Processing Statistics
NS003273	(1-1211x16) Added "Wait Limit" and "Length Limit" to Call Queue
	(1-1211x17) Added Conference Import/Export
	(1-1211x17) Relocated Device Import/Export to "Device" Page
	(1-1211x17) Provided sorting of Subscriber Feature's Date/Time Parameters
	(1-1211x17) Hide Subscriber's Feature "Remove" button if !UI_ADD_PROVISION
	(1-1211x17) Auto detect "line endings" to handle upload file generated by MAC
	(1-1211x18) Write Conference Owner's AOR-User into Conference's `leader` field
	(1-1211x23) Added Event Over Count to Processing Statistics
	(1-1211x25) Correct typo in "Upgrade to 1-1210" to rename USE_LIDF_FOR_RECORIDNG to USE_LIDF_FOR_RECORDINGS
	(1-1211x26) Correct the mix up of UI_ALLOW_DIALPOLICY_EXPORT vs UI_ALLOW_DIALPOLICY_IMPORT
NS003604	(1-1211x27) Added <CDR_EXPORT_ADJUST_TZ> UI Config to select whether to apply TZ adjustment upon CDR export. Default to "yes". To maximize export speed, set this parameter to "no".
	Added System Update To 1-1211 <ul style="list-style-type: none"> • Added `cnt_evt`, `fifo_evt` to `SiPbxDomain`.`status` • Added `wait_limit`, `length_limit` to `SiPbxDomain`.`callqueue_config` • Added `cnt_evt_ovr` to `SiPbxDomain`.`status`

Responder

Issue #	Descriptions
NS003562	(1-1211x10) Added a confirmation step in the "forward to self" section of the vmail ivr. Preventing the "4", "4" issue on excessive presses on vmail delete.

Audio Files

Audio Files	Descriptions

Upgrade Procedures

- System > Backup and Restore > Code Upload
 - Upload from: **nms-1-1211-f12_64.tar.gz**
 - Click "Upload Code"
- System > Backup and Restore > Code Upload
 - Upload from: **Nms_UI_1-1211.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-1-1211-f12_64**
 - NCS Filename: **ncs-1-12xx-f12_64**
 - UI Filename: **Nms_UI_1-1211**
 - Click "Apply"
- System > Backup and Restore > Archive Upload
 - Upload from: **Responder_1-1211.nca**
 - Click "Upload"
- System > Backup and Restore > Configuration Restore
 - Restore from: **Responder_1-1211**
 - Click "Restore"
- Untar **Audio_1-1211.tar.gz** to /usr/local/NetSapiens/default/audio
- Refresh browser to make system updates available in UI
- System > System Update > To 1-1211
 - If there is no confirmation message, repeat this step.
 - Note: All intervening DB updates must also be applied (e.g., To 1-1199 ... To 1-1211).
 - 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