# NMS Release 1-1218

## Release Date

2012-10-5

## Highlight

- Reseller Scope added
- Dialled Number now searchable in admin UI
- Oauth Maintenance page in admin UI
- Support for Answer confirmation from a hunt group
- Added "AvailableDID" responder application
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- New Portal (/portal)
  - User Portal
    - Home page summarizing calls, vmail, answering rules, and devices
    - Voicemail page allowing management and playback of vmail
    - Answering rules to allow call flow control
    - Time frames allowing user to customize specific timeframes
    - Music on Hold allowing user to upload and manage their own MOH
    - Call History allowing a per user view at call history
  - Reseller Portal
    - Home page summarizing calls and stats for the reseller and domains
    - domains page listing domains and allowing access to Office Manager view
    - Call history page showing call history for all reseller's domains
    - Inventory allowing DID management for the domain
  - Office manager
    - Added capacity management to User,AA, conferences, and Call queues.
    - new Home page showing overview and stats for the domain

## Resolved Issues

| Issue # | Issue Type | Descriptions |
|---------|-----------|--------------|
| NS005344 | Defect | System status page has a couple bugs |
| NS006171 | Feature | Hunt Group Entry option as Subscriber |
| NS006301 | Defect | Call monitoring only sends 1 call, doesn't hang up right |
| NS006328 | Feature | UI config setting to 'force' the case of a domain on creation |
| NS006372 | Defect | Broken HTML - creating domain |
| NS006405 | Feature | Make "DIALED NUMBER" in call history searchable |
| NS006408 | Defect | When creating a domain there is some HTML tagging that is visible |
| NS006421 | Defect | Call screening feature - call drops if a second call comes in |
| NS006446 | Defect | Modify Domain broken for Reseller login? or not meant to be there? |
| NS006456 | Feature | Create OAuth Key in OMP or NMS |
| NS006578 | Defect | Dial Translation - can't see search results on second page |
| NS006590 | Defect | Add Domain in Admin UI requires a Description, but does not give error message if it is omitted |
| NS006666 | Defect | Direct numbers do not appear in conference edit window |
| NS006705 | Defect | Recording audio legs out of sync |
| NS006829 | Defect | Unable to delete Connection on (N-Share) SAS |
| NS006861 | Defect | Scope for new user in admin UI defaults to "office manager" |
| NS006898 | Defect | Language not assigned if UI_SHOW_LANGUAGE_CHOICE is no |
| NS006920 | Defect | UI config hangs on add |
| NS006931 | Defect | NMS has wrong count for new messages |

## Compatibilities

| Modules | Compatible Versions |
|---------|---------------------|
| NMS | 1-1218 |
| Responder | 1-1218 |
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|---|---|
| NCS | 1-1218 |
| NMS UI | 1-1218 |
| NFR | **1-1217** |
| Enotify | **1-1206b** |
| NAS | 1-121? |
| LICF | **1-1214** |
| NDP | **1217.*.*** |
| NupX | **1209.*.*** |
| netsapiens-api | 1218.*.* |
| netsapiens-portal | 1218.*.* |
| netsapiens-sbus | **1215.*.*** |
| netsapiens-tacserver | **1215.*.*** |
| netsapiens-agent | **1213.*.*** |

*red means no new version with code

## Database Changes

| Table | Fields | Descriptions |
|---|---|---|
| `SiPbxDomain`.`huntgroup_entry_config` | `confirm_required` | A boolean to select whether the Answer Confirmation is Required for the Hunt Group Entry |
| `SiPbxDomain`.`domains_config` | `max_call_queue`,`max_aa`,`max_conference`,`max_department`,`max_user`,`max_device` | For UI Resource Management |
| `SiPbxDomain`.`ui_config` | `config_name` | Resized to varchar(63) |
| `NsApi`.`oauth_stats` | | New table used by API to calculate access rates |

## Changes

### NCS CPP Code

| Issue # | Descriptions |
|---|---|
| | (1-1218x1) Recoded the Media Element with boost pointer and re-structured the mutex lock arrangement |
| | (1-1218x2) Changed default value for "PerConfSipAuthKey" from "no" to "yes" |
| | (1-1218x2) Added system parameter "IfName" to force the network interface name (default is eth0) |
| | (1-1218x3) Correct the ANI Duplicate detection logic to use the NOT INACTIVE vs ACTIVE criteria to correct the race condition when multiple participant with the same ANI attempts to enter the conference at about the same time. |

### NMS CPP Code

| Issue # | Descriptions |
|---|---|
| | (1-1218x1) Recoded the Media Element with boost pointer and re-structured the mutex lock arrangement |
| | (1-1218x1) Correct setting of Orig Address (to ring the intended recording phone) when processing SBUS <call_controls> command for "call_to_record" |
| | (1-1218x2) Added support for SBUS "domain_events" to create/update/delete |
| **NS006171** | (1-1218x2) Added "Subscriber" option (i.e. <user>@<host>) to Hunt Group entry specification |

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|---|---|
| | (1-1218x3) ACR show all legs during S-Ringing |
| NS006301 | (1-1218x4) Utilize 2 distinct Request ID in when spawn 2 listening session to ensure 2 distinct SIP call ID for each session |
| NS006421 | (1-1218x5) Correct Session Key mixed up when signaling backward event during Call Screening |
| | (1-1218x6) Correct support for S-Ring with Prompt Retrieve for a subset or all S-Ring Destination, including combination with Remote Call or Call Screening. |
| | (1-1218x6) Added option to require answer confirmation for individual Hunt Group Entry configured for S-Ring |
| | (1-1218x7) Added support Answer Confirmation for Hunt Group not configured for S-Ring |
| | (1-1218x7) Added `max_call_queue`,`max_aa`,`max_conference`,`max_department`,`max_user`,`max_device` to `SiPbxDomain`.`domains_config` |
| | (1-1218x8) Added option for "forward_call" Responder to explicitly specify the <user> of the Dial Plan Owner, while the <domain> was derived from prior translation result (To Support the new "AvailableDID" Responder Application) |
| | (1-1218x9) Cleanup the Release Reason for Call Screening event to Drop the call |
| | (1-1218x10) Dial Plan SBUS event handler leave un-explicitly specified values untouched |
| | (1-1218x11) Correct update to Domain, Dial Policy and Device from SBUS event to preserver value of un-explicitly specified parameters |
| | (1-1218x12) Correct Registration Update logic from causing a avalanche, when fed back with an event with old Registration Time |
| | (1-1218x13) Correct missed flushing of monitoring tap upon aborted Audio Monitoring session |
| NS006705 | (1-1218x14) Added System Parameter <CastNtpNano> to cast the NTP timestamp to be nano second |
| | (1-1218x16) Added the option to Test and Auto correct the NTP Timer resolution with system parameter "TestNtpTimer" and "AutoNtpNano" (both default to "yes") |
| NS006829 | (1-1218x17) Correct handling of NMS to NMS SBus message for deleting connection |
| | (1-1218x18) Added S-Ring option to have <OwnDevices> in addition to other number |
| | (1-1218x19) Removed "owner" and "owner_domain" from subscriber's Time Frame Selection. When searching for time range specification for a given Time Frame Name, look for entries owned by the Subscriber's 1st, and then entries owned by the Subscriber's Domain. |
| NS006931 | (1-1218x20) Correct missing function call to count New/Old Vmail when announcing the vmail count |
| | (1-1218x20) Correct handling of "*" Time Frame Selection, without the need of any corresponding Time Range Entries |
| | (1-1218b) Added missing error handling against malformed SDP that caused crashes |
| NS006978 | (1-1218b) Added a background scan to delete Call Queue Entry that has no corresponding active session |
| | (1-1218b) Correct Queue Arrival Time from iterations of dispatch/no-answer |
| NS007707 | (1-1218b) Flush any existing S-Ring list before forming new S-Ring list, to prevent S-Ring from Blind Xfer appended by prior S-Ring List |
| NS007187 | (1-1218c) Correct insertion of Spawned Session from Dynamic Call Park to avoid being purged by Call Queue cleanup function |

## UI Code

| Issue # | Descriptions |
|---|---|
| NS006372 | (1-1218x1) Correct Status display for Domain creation |
| | (1-1218x2) Leave config field untouched when setting Hunt Group Action via SBUS |
| NS006408 | (1-1218x3) Replaced all nl2br by ns_nl |
| NS006446 | (1-1218x4) Disable link to Modify Domain Entry if !$UI_MODIFY_PROVISION |
| | (1-1218x6) Added option to require answer confirmation for individual Hunt Group Entry |
| NS006405 | (1-1218x7) Added DNIS filter to Call History |
| | (1-1218x7) Added `max_call_queue`,`max_aa`,`max_conference`,`max_department`,`max_user`,`max_device` to `SiPbxDomain`.`domains_config` |
| NS006590 | (1-1218x8) Correct Domain Page data structure to highlight fields that failed validation |
| NS006578 | (1-1218x9) Auto adjust table offset to be less then available row when filtering reduce the available rows to be less then offset |
| NS006328 | (1-1218x9) Added FORCE_DOMAIN_NAME_LOWERCASE (with default to "no") option to UI Config |
| | (1-1218x10) Added domain criteria to Dial Plan rule counting function |
| | (1-1218x10) Provide default name for Dial Plan and Dial Policy when creating Domain |
| | (1-1218x11) Added UI_SHOW_NFR option to show NFR Upload, Restart and Statistics |
| | (1-1218x12) Correct logic reference NCS's "PerConfSipAuthKey" parameter when updating Registrar Record upon creating/updating Conference Room |
| | (1-1218x12) Apply NCS's "ConfSipRegExpires" parameter (default to 30) to Registrar Record's expires upon creating Conference Room |

| Issue # | Descriptions |
|---|---|
| | (1-1218x12) Added NFR Statistics for success vs failed actions |
| | (1-1218x13) Added SCOPE_ALLOW_RESELLER, SCOPE_ALLOW_CC_AGENT and SCOPE_ALLOW_CC_SUPERVISOR to configure the options to sellect scope for "Reseller", "Call Center Agent" or "Call Center Supervisor" (All default to "no") |
| | (1-1218x14) Remove extra fields in Domain update from |
| | (1-1218x15) Fix abandoned call count when using sim ring functionality |
| | (1-1218x15) Remove link to mobile access page from older User portal |
| NS006550 | (1-1218x15) Hide language selection in admin account page, unless enabled with UI_SHOW_LANGUAGE_CHOICE |
| NS006456 | (1-1218x15) Added OAuth Client maintenance page (make available via UI Config option UI_SHOW_OAUTH_CLIENTS) |
| NS006759 | (1-1218x16) Corrected issue with deleting existing CDR formats in the CDR export configuration. |
| | (1-1218x16) Correct SQL when selecting Routing option among Fixed, vs Least Cost |
| | (1-1218x16) Make existing configured Max Time, Max Wait and Queue Limit available in the pull down when editing a queue |
| | (1-1218x16) Make existing configured Data Limit, Call Limit, Dial Plan, Policy and Scope available in the pull down when editing a subscriber entry |
| | (1-1218x16) Added filter for "action" to Audit Log page |
| NS006861 | (1-1218x17) Set default scope for new user as "Basic User" |
| NS006666 | (1-1218x17) Added to Upgrade to 1218 the function to resized `config_name` to 63 in `SiPbxDomain`.`ui_config` |
| NS006837 | (1-1218x18)  correct download report link from agent stats in domain level login |
| | (1-1218x18) Added queue's description in the call queue stat page, configurable via  UI_SHOW_QUEUE_DESCRIPTION |
| | (1-1218x18) Show Oauth Client and Token access rates |
| | (1-1218x19) Correct logic to preserve the cached client secret when commanding a sequence of oauth token "revoke" |
| | (1-1218x19) Make OAuth Client and Token table's Rate and Last Access sortable |
| NS006898 | (1-1218x19) Set Language to "en_US" if UI_SHOW_LANGUAGE_CHOICE is no |
| | (1-1218x19) When adding new Hunt Group Entry set default for 'confirm_required' to no |
| | (1-1218x20) Correct OAuth Token Rate (which was erroneously displaying Client Rate) |
| NS006920 | (1-1218x20) Added highlight to validation error for UI Config "Role" and "Parameter" |
| NS005344 | (1-1218x20) Removed column sorting at System Status Table |
| | (1-1218b) Create Database if Not Exist |
| | Added System Update To 1-1218<br><br>• Add `confirm_required` to `SiPbxDomain`.`huntgroup_entry_config`<br>• Add `max_call_queue`,`max_aa`,`max_conference`,`max_department`,`max_user`,`max_device` to `SiPbxDomain`.`domains_config`<br>• Resized `config_name` to 63 in `SiPbxDomain`.`ui_config`<br>• Created `NsApi`.`oauth_stats` |

## Responder

| Issue # | Descriptions |
|---|---|
| | (1-1218x8) Added "AvailableDID" application |
| | (1-1218x8) "Hangup" application select "disconnect" instead of "playback(null)" to avoid answering an un-answered call |
| | (1-1218x9) "Call to Notify" check account's VMail configuration before announcing VMail option |
| | (1-1218x9) Change application return for "AvailableDID" from "<AvailableDID>" to "AvailableDID" (i.e. removed angular brackets) |

## Audio Files

| Audio Files | Descriptions |
|---|---|
| phrase-post-notify-options-no-vmail.wav | "Press one to retrieve the call, Press seven to drop the call" |
| phrase-invalid-selection.wav | "You have entered an invalid selection" |
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# Upgrade Procedures

- System > Backup and Restore > Code Upload
  - Upload from: **nms-1-1218-f12_64.tar.gz**

- Click "Upload Code"
- System > Backup and Restore > Code Upload
  - Upload from: **Nms_UI_1-1218.tar.gz**
  - Click "Upload UI"
- System > Backup and Restore > Code Upload
  - Upload from: **ncs-1-1218-f12_64.tar.gz**
  - Click "Upload Code"

- System > Backup and Restore > Code Select
  - Click "Change"
  - Select
    - SiPbx Filename: **nms-1-1218-f12_64**
    - NCS Filename: **ncs-1-1218-f12_64**
    - UI Filename: **Nms_UI_1-1218**
  - Click "Apply"

- System > Backup and Restore > Archive Upload
  - Upload from: **Responder_1-1218.nca**
  - Click "Upload"
- System > Backup and Restore > Configuration Restore
  - Restore from: **Responder_1-1218**
  - Click "Restore"


- Untar **Audio_1-1218.tar.gz** to /usr/local/NetSapiens/SiPbx/default/audio

- Refresh browser to make system updates available in UI
- System > System Update > To 1-1218
  - If there is no confirmation message, repeat this step.
  - Note: All intervening DB updates must also be applied (e.g., To 1-1199 ... To 1-1218).
  - 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