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## SendQuick Entera (20141225) Change Logs (July 2024):

### Version: 20141225-13HF3 ( 26 July 2024 )

- Update openssl 3.0.14
- Update openssh 9.8p1
- Voice API updates. New VoiceStat API and basic auth.
- Fix Webapp change password
- Fix SNMP user auth error after patching or restart
- Minor UI and DB updates in Crisis Management.

### Version: 20141225-13HF2 ( 13 July 2024 )

- Added browser timeout configuration in Crisis Management
- Fix email issues with utf-8 characters and no content-type.
- Fix message truncate issue in Webapp.
- Crisis Management updates
- Update Syslogd 2.3
- Update SQLite 3.43.1
- Update dmidecode 3.3
- Update hostname 3.23

### Version: 20141225-13HF1 ( 31 May 2024 )

- Update to base64 processing in email to SMS
- Minor update to WhatsApp MIM.
- Fix HTML entity encoding.
- Fix HTTP host permission in JSON/XML/SOAP API
- Allow sending syslog to external server via TCP port
- Support WhatsApp Template in Webapp Broadcast MIM
- MIM API updates
- Fix UI bug on MIM Phonebook
- Fix multipart email with non-UTF charset.
- Auto detect character set for webapp
- Auto-filling of all default fields in "Network Monitoring".
- Update response format for JSON and XML to match request format when a "method" parameter is included.
- Crisis Management updates
- Fix Syslog message filtering bug

### Version: 20141225-13 ( 22 February 2024 )

- Update to CrisisManagement
- Update to Voice system
- Update to UTF-8 character processing in email to SMS
- SMPP service bug fixes.
- Update OpenSSH to 9.6p1.(FIX "Terrapin attack")
- Minor bug fixes or code clean up

### Version: 20141225-12HF2 ( 24 January 2024 )

- Mail service issues

### Version: 20141225-12HF1 ( 8 November 2023 )

- Fixing startup file issue
- Fix missing SQL updates
- Base file has been updated

### Version: 20141225-12 ( 13 October 2023)

- Fixed various reports related to mail server and services

- Bug fixes

**Version: 20141225-11HF10** ( 6 July 2023)

- Alert Format for MIM in Filter Rules update.
- SAML - Change download metadata button and show required info by IdP on UI
- Add webotp(http) API for internal use. Only allow access from 127.0.0.1
- Some updates on Voice API
- New Crisis Management module.
- Bug fixes for HTTP API authentication with username/password and token.
- Fix HA sync for HTTP API with user name and password.
- Other minor bug fixes.

**Version: 20141225-11HF9** ( 19 May 2023)

- Fix UTF-8 character corruption when send as content attachment.
- Bug fixes.

**Version: 20141225-11HF8** ( 28 April 2023)

- Fix duplication of filter rule.
- Add MIM for network monitoring.
- New SMTP OAUTH2 support for Office365
- Add zip support into PHP.
- Minor bug fixes.

**Version: 20141225-11HF7** ( 6 April 2023)

- Fix alert profile UI bug.
- Fix and improve message filter matching performance.
- Improve MPM spooling.
- Fix report generation bug.

**Version: 20141225-11HF6** ( 30 March 2023)

- Fix mail message filter when user send email with text attachment.
- New mail submission service on TCP port 587.
- New Email routing rule by sender domain.
- Update to WhatsApp channel.
- Bug fixes

**Version: 20141225-11HF5** ( 14 March 2023)

- Fixed message filter bug.
- Other bug fixes.

**Version: 20141225-11HF4** ( 7 March 2023)

- Update OpenSSL to 1.1.1t
- Update OpenSSH 9.2p1
- Improve DB performance
- Improve project task management.
- Minor bug fixes.

**Version: 20141225-11HF3** ( 12 Jan 2023)

- MIM bug fixes
- Set SSL as default if remote SMTP server support SSL.

**Version: 20141225-11HF2** ( 9 Jan 2023)

- MIM update.

**Version: 20141225-11HF1** ( 15 Dec 2022)

- Long message out of order issue for MIM platform.
- Change sms\_message\_status as view instead of table.
- Update PHP files to perform SELECT on sms\_message\_status only.
- Filter rules 'NOT' change.
- Direct Connection change.
- Minor UI change.
- Minor code clean up.
- Add 5s delay before reset password exit

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- Fix SMTP AUTH CRAM-MD5 authentication.
- Adjust modem quota alert from 5% to 20% of the available quota.
- Fix webapp modem label configuration and template.
- Add modem error 350 handling.
- Bug fixes.

### **Version: 20141225-11** ( 3 Oct 2022)

- Add POP3 email to SMS feature.
- Add WhatsApp Cloud and WhatsApp IO send template message with attachment
- Add Email filter rule send WhatsApp attachment like above.
- Change to SendQuick new logo
- Bug fixes for SMTP Auth
- Bug fixes.

### **Version: 20141225-10HF15** ( 2 Sept 2022)

- Add WhatsApp (Cloud) MIM feature
- Fix ftp password issue
- Fix missing sftp protocol for sftp auto backup process.
- Minor Bug fixes

### **Version: 20141225-10HF14** ( 18 July 2022)

- Bug fixes.
- Update to openssl 1.1.1q

### **Version: 20141225-10HF13** ( 22 Jun 2022)

- Merge changes for Lark
- Merge changes for helpdesk fixes
- Improve spool management.
- Fix resend unsent SMS bug.

### **Version: 20141225-10HF12** ( 29 April 2022)

- New Helpdesk filtering feature.

### **Version: 20141225-10HF11** ( 25 April 2022)

- Fix schedule report error.
- Refine FTP host allow setup. Is no IP is set, will be consistent like HTTP host allow, all remote be allowed.
- Update FTP host allow for HA environment
- Update to email service.
- Fix some remote input data handling

### **Version: 20141225-10HF10** ( 19 April 2022)

- Fix SNMP setup bug
- Fix SNMP HA issue. Now setup primary will auto sync to secondary, no need to setup secondary
- Fix HA tolerance missing after HA resume.
- HA bug fixes.
- SNMP setting will be read only when in secondary mode.
- Merge code for email file transfer.
- New mailHandler plugin attributes. We now have preprocess and postprocess handler. Preprocess will be call before all other process. Postprocess will be called if no other action has been taken.
- Fix long SMS issue

### **Version: 20141225-10HF9** ( 22 March 2022)

- Improve modem task support of 4G modem.

### **Version: 20141225-10HF8** ( 21 March 2022)

- FTP host permission
- System improvement
- Update PostgreSQL to 9.6.25
- Update web server
- Update modem task
- Update SNMP task
- Bug fixes

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### **Version: 20141225-10HF7** ( 15 Feb 2022)

- Fix large mail attachment
- Fix incorrect ssh setting.
- Bug fixes

### **Version: 20141225-10HF6** ( 28 Jan 2022)

- Bug fixes and updates of FTPS configuration

### **Version: 20141225-10HF5** ( 28 Jan 2022)

- Fix HA issue of secondary not update primary IP when primary changed IP.
- Support '&' character for password.

### **Version: 20141225-10HF4** ( 24 Jan 2022)

- New email-to-ftp forward feature
- New HA tolerance setup. Default is low
- Add support GPS clock via serial port.
- Bug fixes.

### **Version: 20141225-10HF3** ( 3 Jan 2022)

- Add SMTP user authentication for email relay.
- New MIM Zalo channel and other updates.
- Added AES256 for SNMP encryption
- Bug fixes.

### **Version: 20141225-10HF2** ( 15 Nov 2021)

- Add LineNotify
- Update of webapp
- Minor UI updates
- Use Cloudflare DNS server: 1.1.1.1 and 1.0.0.1 by default. Previous setup will query public DNS root servers. However, this will make security team hard to manage DNS firewall rules. Now, if they prefer to use sendQuick itself to resolve host, they just need to allow Internet DNS query to these 2 IPs.
- Use chronyd for NTP service. This is faster and does need to open NTP port for external access.
- Add load balancing between sendQuick servers.

### **Version: 20141225-10** ( 11 Oct 2021)

- New database pool manager.
- Update on user login requirement for webapp
- MIM Improvement.
- Improve background files clean up process.
- Include missing API files into the patch.
- Improve mail service task.
- Update for HA to have longer gap between checking.
- Fix sqguest login bug
- Fix SNMP configuration bug
- Improve Quectel modem support
- Added SAML support.
- Consolidate HTTP headers into web server configuration:

Content-Security-Policy: frame-ancestors 'self'

Referrer-Policy: strict-origin-when-cross-origin

X-XSS-Protection: 1 ; mode=block

X-Content-Type-Options: nosniff

X-Frame-Options: SAMEORIGIN

- Bug fixes.

### **Version: 20141225-9HF29** ( 28 Jun 2021)

- Improve performance.
- Direct Connection improvement.
- Fix FTP-SMS issues.
- Fix possible long message partial stuck in queue issue
- Date Format setting.
- Bugfixes.

### **Version: 20141225-9HF28** ( 10 May 2021)

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- Fix modem SMS mode to use circuit switch by default
- Fix bug at optional network & queue log
- Add phonebook group download
- Addressbook model label fix.
- Add zip MIB file support.
- Fix empty outbox bug
- Other bug fixes.

**Version: 20141225-9HF27** ( 8 April 2021)

- Fix bug at NMS (group alert)
- Fix id conflict for NMS/Filter rules
- Update for Queue log
- Code cleanup for MIM & log
- Set 3G modem of Maestro and SIMCOM to include scanning of 2G network.
- Improved SMS Keyword Management.

NOTE: Is re-package 9HF26 to 9HF27

**Version: 20141225-9HF25** ( 16 March 2021)

- Add support for mail plugin to access the original mail content.

**Version: 20141225-9HF24** ( 03 March 2021)

- Improve email filter for Outlook
- Code clean up.
- Update sudo 1.9.5

**Version: 20141225-9HF23** ( 27 Jan 2021)

- Fix HA bug
- Fix email SMS by address book bug
- Minor code clean up.

**Version: 20141225-9HF22** ( 22 Jan 2021)

- Bug fixes
- Improved blackout feature.
- Merged latest changes for MIM
- Fix typo in message filter

**Version: 20141225-9HF21** ( 29 Dec 2020)

- Improve mail attachment processing.
- Fixed possible missing CPU stat.
- MIM Updates

**Version: 20141225-9HF20** ( 14 Dec 2020)

- Fix mobile number matching
- Add option to autoreply from same modem
- Whatsapp DC update
- Fix a small bug at dashboard
- Add blackout option for Filter Rules and API
- Disable anti-flood measure for SMTP
- Bug fixes

**Version: 20141225-9HF19** ( 2 Nov 2020)

- Improve filter rule time buffer
- Fix secondary not handle email when assume primary role.
- Add RFC5424 for syslog
- Modem task update
- HA bug fixes
- bug fixes

**Version: 20141225-9HF18** ( 22 Oct 2020)

- HA fixes for virtual IP network mask.
- HA DB sync update.

**Version: 20141225-9HF17** (6 Oct 2020)

- Fix incorrect SSL cipher selected when 256 cipher only
- Minor update to filter rules
- Bug fixes.

**Version: 20141225-9HF16** (23 Sep 2020)

- Reset admin password from ALT-F3 will set the password to the system serial number instead of common password
- Fix long URL in direct connection module
- Improve MIM MS Teams support
- New Front panel display for appliance that support it.
- Update Telegram bot agent
- Add options to allow enabling of deprecated SSL ciphers
- Improve LDAP support.
- Fix DB sync for clustering
- Add HASH option for SNMP service

**Version: 20141225-9HF15** (19 Aug 2020)

- Fix mail handler bugs
- Fix the remote DB permission issue.
- Updates to MIM
- Syslog now support definition of UDP port of syslog server does not listen on standard port.

**Version: 20141225-9HF14** (29 July 2020)

- Fix AD sync issue
- Fix mail attachment process
- Support port definition in syslog

**Version: 20141225-9HF13** (17 July 2020)

- Fix AD sync issue
- Bug fix for received SMS handling.
- Remove HTTP response header that cause issue to javascript execution.
- Fix SMPP issue
- Fix some update script.

**Version: 20141225-9HF12** (08 July 2020)

- Improvement of message filter and network monitoring.
- HA update.
- Fix incorrect handling of %2B in URL GET request.
- Refine HTTP header response.

**Version: 20141225-9HF11** (26 June 2020)

- Fix performance issue of spool manager.
- Updates to WhatsApp DC
- The SNMP encryption is set to SHA and AES.
- Add AES 256 support into SNMP service.
- Bug fixes.

**Version: 20141225-9HF10** (10 June 2020)

- Email to MIM for email that comes with image/pdf attachment. Only for single attachment.
- Add SMS to FTP service
- Fix webapp conversation javascript injection bug
- Disable SNMP v1 and v2
- Fix issue with name not able to create in MIM.
- Dashboard now show SMS throughput chart.
- HA improvement.
- Message queue update
- Bug fixes.

**Version: 20141225-9HF9** (14 May 2020)

- Enable network monitoring URL check to use proxy if proxy is set.

**Version: 20141225-9HF8** (5 May 2020)

- Fix login password bug if password contain symbols.

**Version: 20141225-9HF7** (20 April 2020)

- Add SNMP service. Enable it under Optional Network Setup.

**Version: 20141225-9HF6** (20 April 2020)

- Fix network monitoring page listing issue.

**Version: 20141225-9HF5** (9 April 2020)

- Fix missing perl library for report
- Spool Manager improvement
- Bug fix.

**Version: 20141225-9HF4** (7 April 2020)

- Add support of Robustel M1200 detection
- Add fix for login failure logging
- Bug fixes.

**Version: 20141225-9HF3** (18 March 2020)

- Fix SMTP connection problem
- Update of SMPP service.
- Bug fixes

**Version: 20141225-9HF2** (9 March 2020)

- Upgrade to perl 5.30.1
- Improve mobile number matching
- Add password and login name check
- Bug fixes.

**Version: 20141225-9HF1** (21 Feb 2020)

- Fixed remote javascript injection bug
- Enable mcrypt module for PHP
- Bug fixes

**Version: 20141225-9** (17 Feb 2020)

- Use redis queue for spool manager. This should reduce DB select load and improve system performance.
- Use ssh tunnel between primary and secondary in HA.
- TLSv1.3 has been enabled by default in this version. TLSv1.2 cipher strength has been set to use GCM type only. For older, less secure cipher, only available in TLSv1.

NOTE:

- For system that has HA mode enabled, they need to disable HA before applying this patch. Once done, they need to setup HA again.

- Remember to apply base packages before applying this patch.

**Version: 20141225-8** (10 Dec 2019)

- Updated PHP to latest 7.2.x series
- Synced all openssl related task to openssl version 1.1.1d
- Fix SMTP setup script issue.

**Version: 20141225-7HF8** (11 Nov 2019)

- Bug fixes for direct connection module.

**Version: 20141225-7HF7** (11 Oct 2019)

- Fix duplicated SMS in schedule SMS
- Fix potential SMTP task hanged
- Remove login locked issue

**Version: 20141225-7HF6** (13 Sept 2019)

- Improve HA
- Bug fixes.

**Version: 20141225-7HF5** (29 July 2019)

- Improve HTTPS timeout

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- Update and improve web session control.
- Update report email, now include "Remark" for unsent messages
- Improve Multitech modem support
- Bug fixes

### **Version: 20141225-7HF4** (10 June 2019)

- Add firewall rules to drop PING timestamp response.
- Fix case handler from MIM response.
- Fix no report bug.

### **Version: 20141225-7HF3** (02 May 2019)

- Add swapfile tweak.
- Minor spoolmanager task improvement.
- Update to postgres 9.6.12

### **Version: 20141225-7HF2** (24 April 2019)

- Set SMTP timeout to 40 seconds
- Minor code update
- OS performance tweak

### **Version: 20141225-7HF1** (10 April 2019)

- Fix incorrect DB column length problem.

### **Version: 20141225-7** (02 April 2019)

- WhatsApp MIM enabled.
- Set ping timestamp response to be zero
- Report email will use sender email in the optional network configuration.
- Fix memory leak issue in email module.
- webapp conversation update.
- DB performance update.
- new message ID format via UUID instead of pulling from DB
- Improve mail with large attachment.
- Bug fixes.

Note:

- This update require basepkg to be installed 1st.

### **Version: 20141225-6HF17** (01 April 2019)

- Fix memory leak issue with mail handling task.
- Bug fixes.

### **Version: 20141225-6HF16** (14 March 2019)

- Improve mail service to reduce excessive CPU load.

### **Version: 20141225-6HF14/6HF15** (11 March 2019)

- Update postgresql connection timeout to be 1 min.
- Fix incorrect long SMS for sendQuickASP route.
- Fix HA bug, Primary not able to check message in secondary in some situation.
- Improve handling of email with large attachment.

### **Version: 20141225-6HF13** (26 Feb 2019)

- Reduce DB requirement for email service
- Fix incorrect ID for sending long SMS.

### **Version: 20141225-6HF12** (25 Feb 2019)

- Disable timestamp in ping response.
- Fine tuning of Email SMS
- Fix some performance issue with DB sync.

### **Version: 20141225-6HF11** (22 Feb 2019)

- Change with msgid generation. Now we use uuid instead of DB access.
- Update of various to include explicit DB close connection when needed
- Fix of secure cookie flag for HTTPS access.



**Version: 20141225-6HF10** (10 Jan 2019)

- Improvement of DirectConn module
- New mail handler to handle HTML tags
- Added new project configuration to allow remote accessing the project DB.
- SMTP will use SSL cert if enabled with CA file else it will use its own self-signed cert.
- Minor modem task update - updated Robustel modem info display.
- Bug fixes.

**Version: 20141225-6HF9** (17 Dec 2018)

- Improve handling of email with HTML content
- Update PostgreSQL 9.6.11
- Update openssl 1.0.2q
- Update openssh 7.9p1
- Fix another spool hang situation.
- Update of FTP-SMS to have priority and label
- Minor bug fixes

**Version: 20141225-6HF8** (23 Nov 2018)

- Add support for LDAP login
- Fix bug in sending UTF8 characters to Direct Connection - SOAP method
- Update SpoolMgr, check mobile number before sending sms. Only allow numbers and plus sign
- Fix dashboard bug
- Group messaging for MIM.
- MIM api update.
- Improve support for Maestro modem M114
- Other Bug fixes.

**Version: 20141225-6HF7** (25 October 2018)

- Minor update.
- Add timestamp for missing to syslog server.
- Improve Meastro M114 modem support

**Version: 20141225-6HF6** (23 October 2018)

- Support new Meastro M114 (U-Blox) modem.
- Fix unsub keyword issue
- Update to webapp
- Improve the DB performance.
- Fix bugs in empty queue function

**Version: 20141225-6HF5** (26 Sept 2018)

- Improve spool processing.

**Version: 20141225-6HF4** (25 Sept 2018)

- Bug fixes.

**Version: 20141225-6HF3** (20 Sept 2018)

- Fix Direct Connection module incorrect unsent SMS.
- Improve spool manager performance
- Fix incorrect reprocessing of processed SMS.
- Improve installation script to allow the system continue processing the spool while system updating the DB
- Bug fixes.

**Version: 20141225-6HF2** (05 Sept 2018)

- Remove supervisor access to change admin password.
- Fix escalation error when select more than 1 group.
- DB updates to improve performance.
- Bug fixes

**Version: 20141225-6HF1** (21 Aug 2018)

- Update the CPU and MEM log to be compatible with HA environment
- New conversation feature for webapp
- Bug fixes.

**Version: 20141225-6** (21 Aug 2018)

- Improve DB by adding more table indexes and foreign key to tables that referencing message\_status.
- New Dashboard for better CPU and memory info
- Fix SOAP api
- Improve direct connection and sqoobe routing
- MIM include support Microsoft Teams and WebEx Teams.
- Add MIM icons to the address book.
- Add time taken to send SMS in text logs when sent via modem.
- Bug fixes.

**Version: 20141225-5HF17** (11 July 2018)

- Fix MIM problem with escalation ACK messages.
- Minor update to report.
- Add new DB resources for remote to check system modem health via DB user smsapp.

**Version: 20141225-5HF16** (03 July 2018)

- Fix Direct Connection issue of long SMS for non-ASCII content.

**Version: 20141225-5HF15** (14 June 2018)

- Fix MIM respool problem for long SMS.

**Version: 20141225-5HF14** (07 June 2018)

- Minor code clean up
- Add modem signal info to syslog server
- Improved removing SMS from queue when alert case has been ACK
- Improved SNMPtrap message duplicate check.
- Update PHP to 5.6.36
- Update PostgreSQL to 9.3.23

**Version: 20141225-5HF13** (30 May 2018)

- Improvement to report page.
- SMS unsend due to insufficient quota
- Virtual Modem Route will use "Upon Unsent" if "Normal Queue" failed.
- Fix time buffer for mail filter.
- Improve HTTP/HTTPS proxy implementation
- Bug fixes

**Version: 20141225-5HF12** (04 May 2018)

- New schedule report
- Code cleanup.
- Change email from text/html to text/plain type.
- Bug fixes.

**Version: 20141225-5HF11** (01 May 2018)

- New AD Addressbook Implementation
- Bug fixes.

**Version: 20141225-5HF10** (26 April 2018)

- Fix incorrect report page.
- Fix potential message stuck in queue
- Minor improvement and bug fixes

**Version: 20141225-5HF9** (20 April 2018)

- Fix missing old sent SMS in the logs.
- Modem task update.
- Fix incorrect removal of '+' character in threshold mobile number list.
- Bug fixes.

**Version: 20141225-5HF8** (11 April 2018)

- Add priority and label in Send Test SMS page
- Enable 3G modem to work in Packet-Switched network.

- Bug fixes.

**Version: 20141225-5HF7** (06 April 2018)

- Update web configuration to avoid potential DDoS attack.
- Lighttpd updated to 1.4.49
- Update spoolagent to support addon project. This will allow spoolagent to be place in the standard project folder.

**Version: 20141225-5HF6** (04 April 2018)

- Fix message corruption when send long SMS via ASP or direct services.
- Fix incorrect DB error check in HA environment.
- New Spool Manager implementation. Now instead of single spool manager that manage all the messages, we have spool management group task to handle various channel: SMS, Sqoope and MIM.
- Update to web UI.
- Bug fixes on webapp
- Minor code clean up
- Update to openssl-1.0.2o

**Version: 20141225-5HF5** (27 March 2018)

- Fix incorrect Optional Network configuration when appliances in HA (primary/secondary mode)
- Remove operator control to reboot/shutdown the system.
- Improve performance.
- If token is use, the HTTP API will skip the HTTP Allow list.
- Bug fixes.
- Update php to 5.6.34
- Update PostgreSQL to 9.3.22

**Version: 20141225-5HF4** (Fri 2 March 2018)

- Add mail size limit and backup mail route.
- Add new "supervisor" account
- Sftp report
- Add new configuration for file system to check to ignore mount timestamp.
- Fix missing language files.
- Bug fixes.

**Version: 20141225-5HF3** (Mon 12 Feb 2018)

- webapp template fix.
- Bug fixes

**Version: 20141225-5HF2** (Wed 31 Jan 2018)

- Direct Connection improvement.
- ODBC/JDBC API now allow modem label.
- Bug fixes

**Version: 20141225-5HF1** (Sun 21 Jan 2018)

- PHP 5.6.33 security update
- Bug fixes.

**Version: 20141225-5** (Wed 17 Jan 2018)

- Fix missing SMS HA alert when secondary take over primary role.
- Fix LDAP issue in webapp and missing LDAP function.
- Fix incorrect unsent status when time control is enabled.
- Use completed time for Unsent SMS log.
- Fix SNMP pattern matching syntax error
- Improve modem task.
- Base library update for new kernel. This update is require for next kernel update to resolve Meltdown and Spectre security bug.
- Bug fixes.

**\*\* NOTE: Due to base library change in 20141225-5, the system cannot be downgraded to older version once the patch has been applied \*\***

**Version: 20141225-4HF21** (Wed 22 Dec 2017)

- Fix incorrect handling of "localhost" in SMTP default gateway.
- Fix error 500 when patch from older version of sendQuick.
- Fix missing retry for Direct Connection configuration.
- Bugfixes.

**Version: 20141225-4HF20** (Wed 20 Dec 2017)

- Minor bug fixes.
- Minor code clean up

**Version: 20141225-4HF18** (Wed 13 Dec 2017)

- Fix HTTP error 500 issue with new perl FCGI implementation.
- Fix incorrect SMS unsent issue.
- Updated OpenSSL 1.0.2n
- Add support to Cinterion Modem.
- Revert to support non-conforming email sender format for email to SMS.
- Bug fixes.

**Version: 20141225-4HF17** (Thu 07 Dec 2017)

- MIM updates
- Add SMPP feature
- Add support of Maestro 8080 in modem task.
- Add sshd banner configuration via squest account.
- Fix incorrect remote IP for JSON/XML/SOAP API.

**Version: 20141225-4HF16** (Thu 28 Nov 2017)

- More Performance improvement for spool manager.
- Improved SMS file upload performance.

**Version: 20141225-4HF15** (Sun 24 Nov 2017)

- Performance improvement for spool manager.
- New HTTP/HTTPS proxy
- Improve SMTP service

**Version: 20141225-4HF14** (Mon 20 Nov 2017)

- Fix SMTP incorrect restart issue.
- Fix spool manager task hanged issue.
- Minor bug fixes and code clean up.

**Version: 20141225-4HF13** (Sun 19 Nov 2017)

- Fix SMTP service delay bug
- Fix SMTP service hang issue.
- Minor bug fixes and code clean up.

**Version: 20141225-4HF12** (Wed 8 Nov 2017)

- New icon for 3G and 4G network
- Update latest OpenSSL 1.0.2m
- Syslog system logs to external syslog server
- Fix Escalation and Report alert when select from Group.
- Bug fixes.

**Version: 20141225-4HF11**

- improve Multitech modem LE910 model (for US market)
- Improve DB access control.
- API and UI update
- ~~Minor bug fixes.~~

**Version: 20141225-4HF10**

- Fix SMS-IN-OUT.msg format. Now include date and allow smsapp to delete the files.
- Fix webapp status stuck in pending
- Add new modem support Robustel MU709 model.

**Version: 20141225-4HF9**

- Fix missing library for setting up date and time zone configuration.
- MIM updates
- Fix missing 'Ignore Roster' setting at reminder, escalation and report
- Organize modem label selection for "Phone Book" into individual label
- Fix incorrect setup eth1, eth2 and eth3 due to Perl upgrade.

**Version: 20141225-4HF8**

- Fix missing XML and JSON response for webapp
- Minor update on email remark. Now will show mail size.
- Extend the mail retry from 1 day to 3 days.
- Update on Telit modem support
- Bug fixes for mail task.

**(NOTE 4HF7 was sent to US to resolve a specific US modem issue. It is meant for testing only. )**

**Version: 20141225-4HF6**

- Support new Maestro MC7304 modem.
- Fix webapp bug.
- New Perl engine.
- Dropped classic appliance interface.
- Add new password requirement.
- Minor bug fixes.
- Fix installation bug.

**Version: 20141225-4HF5**

- Enable Unix syslogd for handling logs for web and OS event.
- New "Remark" column for SMS Unsent to give a brief explanation on why the message failed.
- Bug fixes for webapp and MIM
- Improve Telit modem support.

**Version: 20141225-4HF4**

- New syslogd.
- Improved mail service
- Explicit set no data mode for robustel modem
- MIM updates
- Fix modem task compatible issue with Robustel modem
- bug fixes

**Version: 20141225-4HF3 (Fri 18 Aug, 2017)**

- Send audit log to syslog service.
- Bug fixes.

**Version: 20141225-4HF2 (Thu 10 Aug, 2017)**

- New email to SMS by address book name.
- Bug fixes for modem task.

**Version: 20141225-4HF1 (Fri 4 Aug, 2017)**

- Bug fixes.

**Version: 20141225-4 (Tue 1 Aug, 2017)**

- New MIM feature.
- Minor HA bug fix.

**Version: 20141225-3HF1 (Thu 6 July, 2017)**

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- Bug fixes for 3<sup>rd</sup> party direct connection.

**Version: 20141225-3** (Tue 27 June, 2017)

- Minor improvement of the mail service
- fix potential message not sent after time control period
- New user portal page.
- New MPM feature.

**Version: 20141225-2HF34** (Wed 14 June, 2017)

- Update change Asia/Rangonn to Asia/Yangon in the timezone configuration.

**Version: 20141225-2HF33** (Mon 12 June, 2017)

- Fix potential modem lost detection after patch
- Fix possible segfault for modem task.
- Bug fixes for hostname verification (alternative provider link feature)
- Bug fixes for message filter.
- Bug fix for optional network setup if the eth device not list in sequence.

**Version: 20141225-2HF32** (Fri 2 June, 2017)

- New email log and queue interface.
- New "token" variable for HTTP API
- Improve mail service task.
- Update OpenSSL to 1.0.2l and OpenSSH to 7.5p1
- Minor UI updates.

**Version: 20141225-2HF31** (Thu 4 May, 2017)

- Remove the time icon for system that does not have address book in message filter.
- Show counter of "Defer Queue" in the Dashboard.
- Incorrect IP/Host configuration for Network Work Monitoring Port check.
- Login page shows a generic "Incorrect user name or password".
- Fix bug UTF8 input for incoming SMS.
- Alert will send multiple Rule Name inside sms (only effect rules with multiple alerts)
- Remove mandatory field for Rule Name
- Email Filter 'To' field will match exact instead of partial match
- Minor update to modem task for older Wireless Sierra firmware.
- Another bug fix for potential message stuck in queue issue

**Version: 20141225-2HF30** (Mon 24 Apr, 2017)

- Work around solution for Wireless Sierra 8082 or 8084 modem that still uses firmware that is 7.53.x or older.
- Fix potential message stuck in queue issue.
- Improve download SMS from modem for receiving SMS.
- fix incorrect priority input from HTTP POST.

*(Note: 2HF29 are mainly for internal testing only)*

**Version: 20141225-2HF28** (Fri 7 Apr, 2017)

- Improved SMTP Listen to extract content from malformed email.
- Improved mail processing.
- Add support for IMEI setting in SMS keyword
- Fix incorrect filter rule matching.
- Fix timing control by IMEI.
- Improve time control by IMEI sender matching.
- New mobile allow list by pattern matching.
- Bug fixes.

*(Note: 2HF26 and 2HF27 are mainly for internal testing only)*

**Version: 20141225-2HF25** (Thu 30 Mar, 2017)

- Fix quota alert
- Bug fixes.

**Version: 20141225-2HF24** (Thu 9 Mar, 2017)

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- Fix the group issue
- Add support of reading input from URL in HTTP POST mode.

### **Version: 20141225-2HF23** (Fri 3 Mar, 2017)

- Fix incorrect long SMS mode for UTF8 message in webapp
- Fix incorrect label matching process for email SMS.

### **Version: 20141225-2HF21** (Wed 1 Mar, 2017)

- Improve network monitoring Ping service
- Increase concurrent outgoing email to 10.

### **Version: 20141225-2HF20** (Wed 22 Feb, 2017)

- Fix User Portal (webapp/) bugs.
- Improve modem task for 8-ports modem module and Wireless Sierra modem using older firmware. (older than 7.54.x version).
- Add new "Direct Connection" support for 3 party SMS Gateway.

### **Version: 20141225-2HF19** (Fri 3 Feb, 2017)

- Fix missing support for more than 1 prefix configuration in *Modem Setup* -> *Modem Routing*
- Minor bug fixes

### **Version: 20141225-2HF18** (Wed 1 Feb, 2017)

- Fix sqoope retry bug
- Fix remote execution commands bug
- Add Audit Log
- Add Debug Mode
- Add download of current email log
- Add duplicate/copy Filter Rules.
- Add support to skip shift management check for Filter Rules.
- Minor updates to web UI. Remove duplicate modem status page and move spool expiry to SMS Queue Monitoring configuration page.
- Update Openssl 1.0.2k and OpenSSH 7.4p1

*NOTE: 20141225-2HF16 and 20141225-2HF17 are mainly for internal testing only.*

### **Version: 20141225-2HF15** (Tue 10 Jan, 2017)

- HTTPS service remove unneeded dependencies
- New sqoope status URL configuration.
- Fix change of session ID string compatibility

### **Version: 20141225-2HF14** (Mon 12 Dec, 2016)

- Allow DNS service to be disabled.
- Fix HTTPS only configuration
- Improved HTTPS configuration page. Now support CA file, Cipher and Protocol selection
- Allow email format that sender without domain string.
- Various bug fixes.

### **Version: 20141225-2HF13** (Tue 8 Nov, 2016)

- Minor improvement for handling Robustel modem to avoid modem return spurious modem error.
- Fix Dashboard not displaying IP of eth2 and eth3.
- Fix incorrect AUTH type if default SMTP gateway is not localhost.
- Hardening of system tweaks:

- a) DB only listen to localhost when no no DB allow is set.
- b) HA port now only listen eth1 IP.
- c) Remove incorrect TCP port 81 listen for web

**Version: 20141225-2HF12** (Fri 4 Nov, 2016)

- More fine tune modem task to avoid modem overheating.
- New UI updates including "Resend" option for unsent SMS.
- Import/export for address book and template (webapp)
- Secure cookies (webapp)
- Improve HA setup and only open HA port 9180 under eth1 only.
- Minor bug fixes

**Version: 20141225-2HF11** (Fri 4 Nov, 2016)

- More fine tune modem task to avoid modem overheating.
- New UI updates including "Resend" option for unsent SMS.
- Import/export for address book and template (webapp)
- Secure cookies (webapp)
- Improve HA setup and only open HA port 9180 under eth1 only.
- Minor bug fixes

**Version: 20141225-2HF10** (Fri 28 Oct, 2016)

- Add check for modem CPU overheat.
- Remove static SSL cipher suite.

**Version: 20141225-2HF9** (Wed 26 Oct, 2016)

- Fix corrupted long SMS when '[' character is the 1st character in the next part SMS.
- New SMTP Routing configuration. This support outgoing email that require authentication.
- Bug fixes.

*NOTE: 20141225-2HF8 is mainly for internal testing only.*

**Version: 20141225-2HF7** (Fri 30 Sept, 2016)

- Improved internal task health check.
- Update OpenSSL to 1.0.2j
- Bug fixes.

**Version: 20141225-2HF6** (Fri 9 Sept, 2016)

- Many UI improvement to provide better user feedback in patching, set date and time and many more.
- New web shell for remote access.
- Bug fixes

**Version: 20141225-2HF5** (Wed 17 Aug, 2016)

- Bug fixes.

**Version: 20141225-2HF4** (Mon 15 Aug, 2016)

- HTTPS and NTP configuration update.

**Version: 20141225-2HF3** (Fri 12 Aug, 2016)

- sendQuick-sqoope update.
- Modem task improvement.
- Fix incorrect sync in Data Sync mode.
- Bug fixes.

**Version: 20141225-2HF2** (Fri 5 Aug, 2016)

- sendQuick-sqoope update.
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- Modem task improvement.
- Bug fixes.

**Version: 20141225-2HF1** (Fri 22 July, 2016)

- Various UI fixes.
- Bug fixes.
- Fix mail processing error.

**Version: 20141225-2** (Mon 27 June, 2016)

- New UI.
- sendQuick-sqoope ready
- Fix HA issue for webapp

**Version: 20141225-1HF39** (Mon 6 June, 2016)

- Increase mail size support to 15MB
- Bug fixes
- Updated PHP to 5.6.22

**Version: 20141225-1HF38** (Fri 27 May, 2016)

- Fix Network Monitoring task hanged issue.
- Refine Spool Manager match by email sender From or Domain matching.
- Clean up Spool Manager logging.
- Bug fixes on modem quota update.
- Minor code clean up for modem task.

**Version: 20141225-1HF37** (Mon 23 May, 2016)

- Fix SQL error.

**Version: 20141225-1HF36** (Fri 20 May, 2016)

- Fix handling of 0xA0 unicode character for PHP.

**Version: 20141225-1HF35** (Mon 16 May, 2016)

- Fix potential duplicate key in webapp
- Fix LDAP login issue in webapp
- Improve modem task on modem detection, proper call hangup for SIMCOM modem and bug fixes.
- Add new web.log into logs directory.

**Version: 20141225-1HF34** (Fri 22 Apr, 2016)

- Fix incorrect pattern matching for FTP-SMS where line contain "+" in the mobile number field and "," in the message content field.

**Version: 20141225-1HF33** (Tue 19 Apr, 2016)

- Increase SMTP concurrency handling.

**Version: 20141225-1HF32** (Mon 18 Apr, 2016)

- Fix potential DDOS issue for Email-to-SMS service.
- Improve failure notice email content for unsent SMS.

**Version: 20141225-1HF31** (Tue 12 Apr, 2016)

- Fix missing display escalation/reminder/report info of mail/syslog/snmp filtering under alert list page.

**Version: 20141225-1HF30** (Sat 9 Apr, 2016)

- Further improvement on modem detection. This should reduce the modem detection within 1 minute under normal situation.

**Version: 20141225-1HF29** (Thu 7 Apr, 2016)

- More refinement in mail-to-SMS task. This improve performance of email-SMS.
- Some minor tweak in the web UI and bug fixes.
- More improvement on modem exception handling.
- New modem task with new log format:

2016-04-06 00:44:51 sms-dev1[06935] IMEI:352561050729560 ("M1-3GSM") RSSI: 14 ; BER: 00 ; 0030 ; 3G

In this log entry, the IMEI, operator, signal strength and network type are shown. This simplify checking of modem health status.

**Version: 20141225-1HF28** (Tue 29 Mar, 2016)

- Fix lost email SMS alert.
- New image for sendQuick user page.
- Updated PHP 5.6.19
- Updated openssh 7.2p2
- Updated openssl 1.0.2g
- Improve overall sending SMS performance.
- Update FTP-SMS to add new format, separate mobile number by ';'.
- Give DB permission for smsapp to access inbox/outbox/queue/unsent and discarded alerts.
- Fix potential mail service out of resource issue.
- Bug fixes.

*NOTE: Due to the missing email alert, 1HF27 has been removed from the system. All improvement in 1HF27 has been merged into 1HF28. User in 1HF27 should update to 1HF28 or newer.*

**Version: 20141225-1HF26** (Tue 29 Feb, 2016)

- Fix incorrect function call in Security Setup page when system enabled with HA mode.

**Version: 20141225-1HF25** (Fri 26 Feb, 2016)

- Fix incorrect character handling when upload patch from non-ASCII named directory or path.

**Version: 20141225-1HF24** (Thu 25 Feb, 2016)

- Update postgresql-9.3.11
- Update libxml2-2.9.3
- Update curl-7.47.1
- Update sqlite-3.10.2
- Update glibc-2.23
- Fix matching of email address for remote priority if email address is embedded into the sender string.
- Add HTML tag escape for sender string in message queue page

**Version: 20141225-1HF23** (Thu Feb 11, 2016)

- Updated ntp to 4.2.8p6
- Updated openssh 7.1p2
- Updated the modem support for Wireless Sierra GL8200 3G modem.

**Version: 20141225-1HF22** (Wed Feb 3, 2016)

- HA improvement.
- Improve system admin login dashboard.-
- Update to openssl-1.0.2f
- Update stunnel 5.30
- Update haproxy 1.6.3
- Update PHP to 5.6.17

- Update lighttpd 1.4.39
- Bug fixes.

**Version: 20141225-1HF21** (Thu Jan 7, 2016)

- Fix multi-To fields in the email-SMS bug.

**Version: 20141225-1HF20** (Mon Dec 21, 2015)

- Fix a webserver segfault bug.

**Version: 20141225-1HF19** (Thu Dec 17, 2015)

- Fix a potential modem incorrectly mark as disable bug.
- Minor feature update to email to SMS

**Version: 20141225-1HF18** (Wed Dec 16, 2015)

- Another update to modem task for Fastrack 3G modem
- security update: openssl-1.0.2e
- haproxy update to 1.6.2
- stunnel update to 5.27
- lighttpd update to 1.4.38
- curl update to 7.46.0
- php update to 5.6.16
- Fix mail service in secondary mode and HA bug fixes.
- Fix SMS-FTP to handle double quote in mobile number field.
- Fix missing description for URL monitoring add/edit form
- Fix potential incorrect function mode in Mail/Syslog/SNMP web pages.
- Another fix to resolve potential fastcgi hanged issue.
- Update signal strength display. Based on found document, bad is same as no signal.

**Version: 20141225-1HF17** (Tue Nov 16, 2015)

- Add HA support for eth1 in same network as eth0.
- Improve SIMCOM modem support for receiving SMS.
- Expand the default SMTP gateway to 50 characters.
- Fix incorrect string management for Mail Log.
- Upgrade NTP service to ntp-4.2.8p4
- Harden SSH protocol
- Bug fixes.

**Version: 20141225-1HF16** (Mon Oct 26, 2015)

- More improvement on the modem task, mainly SIMCOM, Robustel and Wireless Sierra
- Fix incorrect AT command for Maestro modem.
- Fix SMTP listener bug.
- Upgrade PostgreSQL to 9.3.10, security update.

**Version: 20141224-1HF15** (Mon Oct 12, 2015)

- Upgrade to PHP 5.6.14
- Bug fixes

**Version: 20141225-1HF14** (Mon Sept 21, 2015)

- Fix HTTPS security issue.
- Fix SMTP relay bug.
- Minor system improvement and updates.

**Version: 20141225-1HF13** (Thu Sept 17, 2015)

- Fix incorrect web server log file management.
- More improvement of Wireless Sierra modem support.
- New sqTask engine. This aim to reduce CPU load.
- Bug fixes

*NOTE: 20141225-1HF12 has memory leak issue, it has been remove from the official update. Please update to latest firmware if using this version.*

**Version: 20141225-1HF11** (Fri Sept 04, 2015)

- Web Server bug fixes
- Upgrade openssh 7.1p1

**Version: 20141225-1HF10** (Mon Aug 31, 2015)

- Upgrade Openssl 1.0.2d
- Upgrade Openssh 7.0p1
- Harden web server to disable "Server: " header.
- Harden web server to accept POST and GET only

**Version: 20141225-1HF9** (Wed Aug 26, 2015)

- Fix HA configurtion.
- Improve SNMPv2 support.

**Version: 20141225-1HF8** (Wed Aug 19, 2015)

- Add support modem label with space. Only work for HTTP API.
- Add multi-label selection for label parameter for HTTP API.
- Fix message with long "" characters in webapp SMS task.
- Fix UTF-8 characters for Network Monitoring.

**Version: 20141225-1HF7** (Thu Jul 02, 2015)

- Fix incorrect URL link for console login
- Improve Robustel USB modem handling.
- Bug fixes.

**Version: 20141225-1HF6** (Thu May 28, 2015)

- Fix incorrect handling of UTF character for SMS upload under system admin.
- Fix user web portal SMS of handling apostrophe character.
- Fix NTP configuration.
- Fix static SMTP routing bug.
- Add TELIT modem support.
- Improved SMS task for receiving SMS.
- Improved Meastro and Wireless Sierra FX100 3G modem init process.
- Add smsftp in sqguest account for SMS via SFTP.
- Bug fixes

**Version: 20141225-1HF5** (Thu May 02, 2015)

- Fix potential message stuck in queue indefinitely problem due to power failure.
- Fix blank report, this is due to missing temporary report path
- Bug fixes

**Version: 20141225-1HF4** (Fri Apr 10, 2015)

- Fix SSL configuration
- Fix sqguest ssh setup
- Upgrade openssl 1.0.2a
- Upgrade openssh 6.8p1
- Bug fixes.

**Version: 20141225-1HF3** (Wed Mar 18, 2015)

- Improve support for modem SIMCOM SIM512E (3G modem)
- Update glibc 2.21
- Added better support for Wireless Sierra FX100 3G modem.

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- Fixed timestamp configuration for PostgreSQL.
- Fix potential message stuck in queue indefinitely problem.
- Fix modem task bug. Related to iTegno (non-Wavecom chipset) modem.
- Update openssl to 1.0.2a
- Update openssh to 6.8p1
- Update ntp to 4.2.8p1
- Bug fixes.

**Version: 20141225-1HF2** (Wed Feb 18, 2015)

- Bug fixes

**Version: 20141225-1HF1** (Thu Feb 12, 2015)

- Bug fixes