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## SendQuick Alert Plus (20150606) Change Logs (July 2024):

### Version: 20150606-12HF2 (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: 20150606-12HF1 (27 May 2024)

- Fix multipart email with non-UTF charset.
- Auto-filling of all default fields in "Network Monitoring".
- Update response format for JSON and XML to match the request format when a "method" parameter is included.
- Fix Syslog message filtering bug

### Version: 20150606-12 (24 April 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.
- MIM API updates.
- Fix UI bug on MIM Phonebook.

### Version: 20150606-11HF1 (29 December 2023)

- Fix mail service issues.

### Version: 20150606-11 (18 November 2023)

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

### Version: 20150606-10HF7 (9 May 2023)

- Update to have limit to filter and network monitoring.
- Bug fixes for MIM.

### Version: 20150606-10HF6 (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: 20150606-10HF5 (12 April 2023)

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

### Version: 20150606-10HF4 (30 March 2023)

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- 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: 20150606-10HF3** (14 March 2023)

- Update OpenSSL to 1.1.1t
  - Update OpenSSH 9.2p1
  - Improve DB performance.
  - Improve project task management.
  - Minor bug fixes.
  - Fixed message filter bug.
  - Other bug fixes.
- Synced with Entera 20141225-11HF5

### **Version: 20150606-10HF2** (12 January 2023)

- MIM update.
  - Set SSL as default if remote SMTP server support SSL.
- Synced with Entera 20141225-11H3

### **Version: 20150606-10HF1** (3 January 2023)

- 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 cleanup.
  - Add 5s delay before reset password exit.
  - Fix SMTP AUTH CRAM-MD5 authentication.
  - Adjust modem quota alert from 5% to 20% of the available quota.
  - Add modem error 350 handling.
  - Bug fixes.
- Synced with Entera 20141225-11HF1

### **Version: 20150606-10** (14 October 2022)

- Add WhatsApp (Cloud) MIM feature.
  - Fix ftp password issue.
  - Fix missing sftp protocol for sftp auto backup process.
  - 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.
- Synced with Entera 20141225-11

### **Version: 20150606-9HF10** (18 July 2022)

- Merge changes for Lark.
  - Merge changes for helpdesk fixes.
  - Improve spool management.
  - Fix resend unsent SMS bug.
  - Update to openssl 1.1.1q
- Synced with Entera 20141225-10HF14

### **Version: 20150606-9HF9** (29 April 2022)

- New Helpdesk filtering feature.
- Synced with Entera 20141225-10HF12

### **Version: 20150606-9HF8** (25 April 2022)

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- 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.
- Synced with Entera 20141225-10HF11

### Version: 20150606-9HF7 (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.
- Synced with Entera 20141225-10HF10

### Version: 20150606-9HF6 (23 March 2022)

- FTP host permission.
  - System improvement.
  - Update PostgreSQL to 9.6.25
  - Update web server.
  - Update modem task.
  - Update SNMP task.
  - Improve modem task support of 4G modem.
  - Bug fixes.
- Synced with Entera 20141225-10HF9

### Version: 20150606-9HF5 (15 February 2022)

- Fix large mail attachment.
  - Fix incorrect ssh setting.
  - Bug fixes.
- Synced with Entera 20141225-10HF7

### Version: 20150606-9HF4 (7 February 2022)

- Bug fixes and updates of FTPS configuration.
- Synced with Entera 20141225-10HF6

### Version: 20150606-9HF3 (28 January 2022)

- Fix HA issue of secondary not update primary IP when primary changed IP.
  - Support '&' character for password.
  - Fix missing table structure of SNMP setup.
- Synced with Entera 20141225-10HF5

### Version: 20150606-9HF2 (25 January 2022)

- Add SMTP user authentication for email relay.
  - New MIM Zalo channel and other updates.
  - Added AES256 for SNMP encryption.
  - New email-to-ftp forward feature.
  - New HA tolerance setup. Default is low.
  - Add support GPS clock via serial port.
  - Bug fixes.
- Synced with Entera 20141225-10HF4

### Version: 20150606-9HF1 (29 November 2021)

- Add LineNotify.
- 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 not need to open NTP port for external access.
- Synced with Entera 20141225-10HF2

**Version: 20150606-9** (13 October 2021)

- New database pool manager.
- 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 sqquest 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'  
Referer-Policy: strict-origin-when-cross-origin  
X-XSS-Protection: 1 ; mode=block  
X-Content-Type-Options: nosniff  
X-Frame-Options: SAMEORIGIN
- Bug fixes.
- Synced with Entera 20141225-10

**Version: 20150606-8HF14** (30 June 2021)

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

**Version: 20150606-8HF13** (11 May 2021)

- Add support for mail plugin to access the original mail content.
- 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.
- 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: 20150606-8HF12** (4 March 2021)

- Fix HA bug.
- Fix email SMS by address book bug.
- Improve email filter for Outlook.
- Code clean-up.
- Update sudo 1.9.5

**Version: 20150606-8HF11** (21 January 2021)

- Improve mail attachment processing.
- Fixed possible missing CPU stat.
- MIM Updates.
- Bug fixes.
- Improved block-out feature.
- Merged latest changes for MIM.
- Fix typo in message filter.

**Version: 20150606-8HF10** (1 December 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.
- HA fixes.
- Bug fixes.

**Version: 20150606-8HF9** (3 November 2020)

- HA fixes for virtual IP network mask.
- HA DB sync update.
- Improve filter rule time buffer.
- Fix secondary not handle email when assume primary role.
- Add RFC5424 for syslog.
- Modem task update.
- HA bug fixes.
- Disable docker IP when MIM module is not install/enable.
- Bug fixes.

**Version: 20150606-8HF8** (6 October 2020)

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

**Version: 20150606-8HF7** (24 September 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.
- Fix DB sync for clustering.
- Add HASH option for SNMP service.

**Version: 20150606-8HF6** (26 August 2020)

- Fix mail attachment process.
- Support port definition in syslog.
- 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: 20150606-8HF5** (21 July 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.
- Improvement of message filter and network monitoring.
- HA update.
- Fix incorrect handling of %2B in URL GET request.
- Refine HTTP header response.

**Version: 20150606-8HF4** (23 June 2020)

- Email to MIM for email that comes with image/pdf attachment. Only for single attachment.
- Add SMS to FTP service.
- Disable SNMP v1 and v2.
- Fix issue with name not able to create in MIM.

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- Dashboard now show SMS throughput chart.
- HA improvement.
- Message queue update.
- Bug fixes.

### Version: 20150606-8HF3 (30 April 2020)

- Fix login password bug if password contain symbols.

### Version: 20150606-8HF2 (8 April 2020)

- Upgrade to perl 5.30.1
- Add password and login name check.
- Fix SMTP connection problem.
- Update of SMPP service.
- Add support of Robustel M1200 detection.
- Add fix for login failure logging.
- Fix missing perl library for report.
- Spool Manager improvement.

### Version: 20150606-8HF1 (21 February 2020)

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

### Version: 20150606-8 (14 February 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: 20150606-7HF1 (7 February 2020)

- This patch will set very strict cipher that will work on TLSv1.2 and TLSv1.3 above.

### Version: 20150606-7 (17 December 2019)

- Bug fixes for direct connection module.
- Updated PHP to latest 7.3.x series.
- Synced all openssl related task to openssl version 1.1.1d

Note:

- This update requires packages 20191122 to be installed first.

### Version: 20150606-6HF1 (13 November 2019)

- Fix potential SMTP task hanged.
- Remove login locked issue.
- Add support for front panel LCD for sendQuick new hardware.

### Version: 20150606-6 (30 September 2019)

- 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.
- DB performance update.
- new message ID format via UUID instead of pulling from DB.
- Improve mail with large attachment.
- Bug fixes.
- Fix incorrect DB column length problem.
- Set SMTP timeout to 40 seconds.
- Minor code update.
- OS performance tweak.
- Add swapfile tweak.
- Minor spoolmanager task improvement.

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- Update to postgres 9.6.12
- Add firewall rules to drop PING timestamp response.
- Fix case handler from MIM response.
- Fix no report bug.
- Improve HTTPS timeout.
- Update and improve web session control.
- Update report email, now include "Remark" for unsent messages.
- Improve Multitech modem support.
- Improve HA.

Note:

- This update requires basepkg to be installed first.

### **Version: 20150606-5HF12** (23 April 2019)

- Minor code cleanup.
- Add OS level tweak for system performance.
- Set SMTP timeout to be 40s.

### **Version: 20150606-5HF10 / 5HF11** (9 April 2019)

- Fix incorrect database table index.
- Fix incorrect database table column.

### **Version: 20150606-5HF9** (1 April 2019)

- Improve mail service to reduce excessive CPU load.
- Fix memory leak issue with mail handling task.
- Bug fixes.

### **Version: 20150606-5HF8** (8 March 2019)

- Disable timestamp in ping response.
- Fine tuning of Email SMS.
- Fix some performance issue with DB sync.
- Reduce DB requirement for email service.
- Fix incorrect ID for sending long SMS.
- 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: 20150606-5HF7** (24 February 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: 20150606-5HF6** (11 January 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: 20150606-5HF5** (19 December 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: 20150606-5HF4** (26 November 2018)

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- 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.
- Improve support for Maestro modem M114.
- Add timestamp for missing to syslog server.
- Improve Meastro M114 modem support.
- Other Bug fixes.

### Version: 20150606-5HF3 (23 October 2018)

- Improve spool processing.
- Support new Meastro M114 (U-Blox) modem.
- Improve the DB performance.
- Fix bugs in empty queue function.

### Version: 20150606-5HF2 (26 September 2018)

- Bug fixes.

### Version: 20150606-5HF1 (9 September 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 to continue processing the spool while system is updating the DB.

### Version: 20150606-5 (5 September 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: 20150606-4HF9 (12 July 2018)

- Fix Direct Connection issue of long SMS for non-ASCII content.
- 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: 20150606-4HF8 (20 June 2018)

- Fix MIM respool problem for long SMS.

### Version: 20150606-4HF7 (7 June 2018)

- Minor code cleanup.
- 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: 20150606-4HF6 (30 May 2018)

- New schedule report.
- Code cleanup.
- Change email from text/html to text/plain type.
- Improvement to report page.
- SMS unsent 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: 20150606-4HF5 (27 April 2018)

- Bug fixes.



**Version: 20150606-4HF4** (26 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.
- Fix incorrect report page.
- Fix potential messages stuck in queue.
- Minor improvement and bug fixes.

**Version: 20150606-4HF3** (17 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.
- Minor code clean up.
- Update to openssl-1.0.2o
- 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.
- Add priority and label in Send Test SMS page.
- Enable 3G modem to work in Packet-Switched network.
- Bug fixes.

**Version: 20150606-4HF2** (28 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.
- 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: 20150606-4HF1** (8 February 2018)

- PHP 5.6.33 security update.
- Direct Connection improvement.
- ODBC/JDBC API now allow modem label.
- Bug fixes.

**Version: 20150606-4** (24 January 2018)

- Fix missing SMS HA alert when secondary take over primary role.
- 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 required for next kernel update to resolve Meltdown and Spectre security bug.
- Bug fixes.

**\*\* NOTE: Due to base library change in 20150606-4, the system cannot be downgraded to older version once the patch has been applied \*\***

**Version: 20150606-3HF6** (22 December 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.
- Bug fixes.

**Version: 20150606-3HF5** (20 December 2017)

- Minor bug fixes.
- Minor code cleanup.
- 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.
- Add SMPP feature.
- Add support of Maestro 8080 in modem task.
- Add sshd banner configuration via sqguest account.
- Fix incorrect remote IP for JSON/XML/SOAP API.

**Version: 20150606-3HF4** (29 November 2017)

- More Performance improvement for spool manager.
- Improved SMS file upload performance.
- Performance improvement for spool manager.
- New HTTP/HTTPS proxy.
- Improve SMTP service.
- Fix SMTP incorrect restart issue.
- Fix spool manager task hanged issue.
- Minor bug fixes and code clean up.
- Fix SMTP service delay bug.
- Fix SMTP service hang issue.
- Minor bug fixes and code clean up.
- 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.

**Version: 20150606-3HF2** (3 November 2017)

- Improve Multitech modem LE910 model. (for US market)
- Improve DB access control.
- API and UI update.
- Minor bug fixes.
- Fix SMS-IN-OUT.msg format. Now include date and allow smsapp to delete the files.
- Add new modem support Robustel MU709 model.
- Fix missing library for setting up date and time zone configuration.
- 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.
- 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.
- Support new Maestro MC7304 modem.
- New Perl engine.
- Dropped classic appliance interface.
- Add new password requirement.
- Fix installation bug.
- 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.

**Version: 20150606-3HF1** (6 September 2017)

- New syslogd.
- Improved the mail service.
- Explicit set no data mode for Robustel modem.
- Fix modem task compatible issue with Robustel modem.
- Bug fixes.

**Version: 20150606-3** (18 August 2017)

- Send audit log to syslog service.
- Bug fixes.
- New MIM feature.
- New email to SMS by address book name.
- Bug fixes for modem task.

**Version: 20150606-2HF19** (26 July 2017)

- Fix HA setup issue.

**Version: 20150606-2HF18** (30 June 2017)

- Minor improvement of the mail service.
- Fix potential message not sent after time control period.
- New MPM feature.

**Version: 20150606-2HF17** (15 June 2017)

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

**Version: 20150606-2HF16** (7 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 does not list in sequence.
- 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: 20150606-2HF15** (11 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 username or password."
- Fix bug UTF8 input for incoming SMS.
- Alert will send multiple Rule Name inside sms. (only affect 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: 20150606-2HF14** (10 April 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.

**Version: 20150606-2HF13** (18 March 2017)

- Fix quota alert.
- Bug fixes.
- Fix the group issue.
- Add support of reading input from URL in HTTP POST mode.
- Fix incorrect long SMS mode for UTF8 message in webapp.
- Fix incorrect label matching process for email SMS.

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- Improve network monitoring Ping service.
- Increase concurrent outgoing email to 10.
- 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.
- Fix missing support for more than 1 prefix configuration in Modem Setup -> Modem Routing
- Minor bug fixes.
- 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

### Version: 20150606-2HF10 (1 January 2017)

- HTTPS service remove unneeded dependencies.
- New sqoope status URL configuration.
- Fix change of session ID string compatibility.
- 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: 20150606-2HF9 (5 December 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: 20150606-2HF8 (14 November 2016)

- More fine-tuned 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: 20150606-2HF7 (28 October 2016)

- Add check for modem CPU overheat.
- Remove static SSL cipher suite.
- Fix corrupted long SMS when '[' character is the 1st character in the next part SMS.
- New SMTP Routing configuration. This support outgoing email that requires authentication.
- Bug fixes.
- Improved internal task health check.
- Update OpenSSL to 1.0.2j
- Bug fixes.

### Version: 20150606-2HF5 (20 September 2016)

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

### Version: 20150606-2HF4 (15 August 2016)

- HTTPS and NTP configuration update.

**Version: 20150606-2HF3** (12 August 2016)

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

**Version: 20150606-2HF2** (5 August 2016)

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

**Version: 20150606- 2HF1** (22 July 2016)

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

**Version: 20150606- 2** (27 June 2016)

- New UI.
- sendQuick-sqoope ready.
- Fix HA issue for webapp.
- Increase mail size support to 15MB.
- Bug fixes.
- Updated PHP to 5.6.22
- Updated to new mailHandler plugin system.
- Add internal modem label "MODEM" for all activated modem.

**Version: 20150606-1HF14** (30 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 cleanup for modem task.
- Fix SQL error.
- Fix handling of 0xA0 unicode character for PHP.
- 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.
- Fix incorrect pattern matching for FTP-SMS where line contain "+" in the mobile number field and "," in the messagecontent field.
- Increase SMTP concurrency handling.

**Version: 20150606-1HF13** (18 April 2016)

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

**Version: 20150606-1HF12** (12 April 2016)

- Fix missing display escalation/reminder/report info of mail/syslog/snmp filtering under alert list page.
- Further improvement on modem detection. This should reduce the modem detection below 1 minute under normal situation.
- More refinement in mail-to-SMS task. This improves performance of email-SMS.
- Some minor tweak in the web UI and bug fixes.
- More improvement on modem exception handling.
- 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

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- 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.
- 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

### **Version: 20150606-1HF11** (29 February 2016)

- Fix incorrect function call in Security Setup page when system enabled with HA mode.
- Fix incorrect character handling when upload patch from non-ASCII named directory or path.

### **Version: 20150606-1HF10** (25 February 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: 20150606-1HF9** (11 February 2016)

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

### **Version: 20150606-1HF8** (3 February 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: 20150606-1HF7** (21 December 2015)

- Fix a webserver segfault bug.

### **Version: 20150606-1HF6** (17 December 2015)

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

### **Version: 20150606-1HF5** (16 December 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: 20150606-1HF4** (16 November 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
- Hardened SSH protocol.
- Bug fixes.

**Version: 20150606-1HF3 (30 October 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: 20150606-1HF2 (12 October 2015)**

- Upgrade to PHP 5.6.14
- Fix HTTPS security issue.
- Fix SMTP relay bug.
- Minor system improvement and updates.
- Fix incorrect web server log file management.
- More improvement of Wireless Sierra modem support.
- New sqTask engine. This aim to reduce CPU load.
- Upgrade openssh 7.1p1
- Upgrade Openssl 1.0.2d
- Harden web server to disable "Server: " header.
- Harden web server to accept POST and GET only.
- Bug fixes.

**Version: 20141225-1HF1 (27 August 2015)**

- Fix HA configuration.
- Improve SNMPv2 support.
- Add support modem label with space. Only work for HTTP API.
- Add multi-label selection for label parameter for HTTP API.
- Fix UTF-8 characters for Network Monitoring.