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## SQVM (20170813) Change Logs (May 2024):

### SQVM-20170813-11HF1 (28 May 2024)

- 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 the request format when a "method" parameter is included.
- Crisis Management updates
- Fix Syslog message filtering bug

### SQVM-20170813-11 (03 May 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.
- 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 and Usage Logs

### SQVM-20170813-10 (29 January 2024)

- Update to CrisisManagement
- Update to Voice system.
- Update to UTF-8 character processing in email to SMS
- Minor bug fixes.

### SQVM-20170813-9HF1 (10 Nov 2023)

**\*\* This patch require Base Package(20230920) to update to Slackware 15.**

- Fixed message filter bug
- 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.
- Fix and improve message filter matching performance
- Improve MPM spooling.
- Fix report generation bug.
- Fix duplication of filter rule
- Add MIM for network monitoring.
- New SMTP OAUTH2 support for Office365
- Add zip support into PHP.
- Fix UTF-8 character corruption when send as content attachment.
- Alert Format for MIM in Filter Rules update.
- SAML - Change download metadata button and show required info by IdP on UI
- 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.
- Changes to email service. Remove version string from the SMTP connection.
- SMTP will now have unique ID that can be use for tracking purpose

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- Fixed various reports related to mail server and services.
- Data sync update
- Update HTML to text conversion in mail processing.
- Bug fixes.

### **SQVM-20170813-8HF2 (06 Mar 2023)**

- Update OpenSSL to 1.1.1t
- Update OpenSSH 9.2p1
- Improve DB performance.
- Improve project task management.
- Fix Long message out of order issue for MIM platform
- Add 5s delay before reset password exit
- Fix SMTP AUTH CRAM-MD5 authentication
- Bug fixes

### **SQVM-20170813-8HF1 (16 Feb 2023)**

- New SendQuick Logo
- Fix resend unsent SMS bug
- Improve spool management
- Update to openssl 1.1.1q
- Add WhatsApp (Cloud) MIM feature, send template message with attachment.
- Add POP3 email to SMS feature
- Bug fixes for SMTP Auth
- Bug fixes

### **SQVM-20170813-7HF3 (10 Jun 2022)**

- Update PostgreSQL to 9.6.25
- Update web server
- Update SNMP task
- Fix SNMP setup bug and HA issue
- Fix HA tolerance missing after HA resume.
- Fix long SMS issue
- Fix schedule report error.
- Refine FTP host permission
- Update to email service.
- Fix some remote input data handling
- New Help desk filtering feature.
- Bug fixes

### **SQVM-20170813-7HF2 (23 Feb 2022)**

- Add SMTP user authentication for email relay.
- Added AES256 for SNMP encryption
- Fix large mail attachment
- Fix incorrect ssh setting.
- Bug fixes.

### **SQVM-20170813-7HF1 (05 Nov 2021)**

- New API Load balancer function
- Spool expiry changed to hours and minutes
- Bug fixes

### **SQVM-20170813-7 (11 Oct 2021)**

- New database pool manager.
- MIM Improvement.
- Improve background files clean up process.
- Added SAML support.
- Fix SNMP configuration bug

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- Direct Connection improvement.
- Fix FTP-SMS issues.
- Date Format setting.
- Add zip MIB file support.
- Improved SMS Keyword Management.
- Bug fixes

### **SQVM-20170813-6HF13 (22 Mar 2021)**

- Updated Redis Management
- Bug fixes

### **SQVM-20170813-6HF12 (16 Mar 2021)**

- Improve mail attachment processing
- Fixed possible missing CPU stat
- MIM Updates
- Improved blackout feature.
- Fix typo in message filter
- Fix email SMS by address book bug
- Minor code clean up
- Bug fixes

### **SQVM-20170813-6HF11 (06 Nov 2020)**

- Improve filter rule time buffer
- Add RFC5424 for syslog
- Modem task update
- HA bug fixes
- Fix mobile number matching
- Add option to autoreply from same modem
- Whatsapp DC update
- Add blackout option for Filter Rules and API
- Disable anti-flood measure for SMTP
- Fix email SMS by address book bug
- Minor code clean up.
- Improve email filter for Outlook
- Update sudo 1.9.5
- Add support for mail plugin to access the original mail content.
- Bug fixes

### **SQVM-20170813-6HF10 (13 Oct 2020)**

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

### **SQVM-20170813-6HF9 (02 Oct 2020)**

- Reset admin password from ALT-F3 will set the password to the system serial number instead of common password
- Improve MIM MS Teams support
- 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
- Fix incorrect SSL cipher selected when 256 cipher only
- Minor update to filter rules
- Bug fixes

### **SQVM-20170813-6HF8 (27 Aug 2020)**

- Fix AD sync issue
- Fix mail attachment process and mail handler bugs

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- Support port definition in syslog
- Syslog now support definition of UDP port of syslog server does not listen on standard port.
- Updates to MIM

### **SQVM-20170813-6HF7 (22 Jul 2020)**

- Improvement of message filter and network monitoring
- HA update
- Bug fixes for receive SMS handling and AD sync issue.

### **SQVM-20170813-6HF6 (26 Jun 2020)**

- Fix performance issue of spool manager
- Bug fixes

### **SQVM-20170813-6HF5 (09 Jun 2020)**

- Fix route upon unsent bug in virtual modem routing.
- Add ASP relay support
- Bug fixes

### **SQVM-20170813-6HF4 (28 May 2020)**

- Bug fixes and HA Improvements

### **SQVM-20170813-6HF3 (28 Apr 2020)**

- Fix login password bug if password contain symbols.

### **SQVM-20170813-6HF2 (20 Apr 2020)**

- Add SNMP service. Enable it under Optional Network Setup.
- Fix network monitoring page listing issue.

### **SQVM-20170813-6HF1 (9 Apr 2020)**

- Fix missing perl library for report
- Spool Manager improvement
- Add fix for login failure logging
- Fix SMTP connection problem

### **SQVM-20170813-6 (1 Apr 2020)**

- Upgrade to perl 5.30.1
- Improve mobile number matching
- Add password and login name check
- Fixed remote javascript injection bug
- Enable mcrypt module for PHP
- Use redis queue for spool manager. This should reduce DB select load and improve system performance.
- 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.
- Updated PHP to latest 7.2.x series
- Synced all openssl related task to openssl version 1.1.1d
- Fix SMTP setup script issue.
- Fix duplicated SMS in schedule SMS
- Fix potential SMTP task hanged
- Remove login locked issue
- Improve HTTPS timeout
- Update and improve web session control.
- Update report email, now include "Remark" for unsent messages
- Add firewall rules to drop PING timestamp response.
- Fix case handler from MIM response.
- Fix no report bug.
- Add swapfile tweak.

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- Minor spoolmanager task improvement.
- Update to postgres 9.6.12
- Set SMTP timeout to 40 seconds
- OS performance tweak
- Fix incorrect DB column length problem.

- Must apply base packages(BASEPKG20191122XXEACV.enc) before applying this patch.

### **SQVM-20170813-5 (2 Apr 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.
- Fix memory leak issue with mail handling task.
- Improve mail service to reduce excessive CPU load.
- Update postgresql connection timeout to be 1 min.
- Fix incorrect long SMS for sendQuickASP route.
- Improve handling of email with large attachment.
- Reduce DB requirement for email service
- Fix incorrect ID for sending long SMS.
- Disable timestamp in ping response.
- Fine tuning of Email SMS
- Fix some performance issue with DB sync.
- 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.
- 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.
- 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
- Add support for LDAP login
- Update SpoolMgr, check mobile number before sending sms. Only allow numbers and plus sign
- Fix dashboard bug
- Group messaging for MIM.
- MIM api update.
- Add timestamp for missing to syslog server.
- Fix unsub keyword issue
- Update to webapp
- Fix bugs in empty queue function
- 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
- Remove supervisor access to change admin password.
- Fix escalation error when select more than 1 group.
- New conversation feature for webapp

### **SQVM-20170813-4 (20 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
- MIM include support Microsoft Teams and WebEx Teams.
- Add MIM icons to the address book.

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- Fix MIM problem with escalation ACK messages.
- Minor update to report.
- Fix MIM respool problem for long SMS.
- Improved SNMPtrap message duplicate check.
- Update PHP to 5.6.36
- Update PostgreSQL to 9.3.23
- Improvement to report page.
- SMS unsent due to insufficient quota
- Fix time buffer for mail filter.
- Improve HTTP/HTTPS proxy implementation
- New schedule report
- Change email from text/html to text/plain type.
- New AD Addressbook Implementation
- Fix potential message stuck in queue
- Fix missing old sent SMS in the logs.
- Fix incorrect removal of '+' character in threshold mobile number list.
- Add priority and label in Send Test SMS page
- 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.
- 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
- Update to openssl-1.0.2o
- Remove operator control to reboot/shutdown the system.
- Improve performance.
- If token is use, the HTTP API will skip the HTTP Allow list.

### **SQVM-20170813-3 (1 Mar 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.
- webapp template fix.
- PHP 5.6.33 security update
- 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
- Fix incorrect handling of "localhost" in SMTP default gateway.
- Fix HTTP error 500 issue with new perl FCGI implementation.
- Fix incorrect SMS unsent issue.
- Updated OpenSSL 1.0.2n
- Revert to support non-conforming email sender format for email to SMS.

### **SQVM-20170813-2HF1 (4 Dec 2017)**

- Add sshd banner configuration via sqguest account.
- Fix incorrect remote IP for JSON/XML/SOAP API.
- More Performance improvement for spool manager.
- Improved SMS file upload performance.
- New HTTP/HTTPS proxy
- Fix SMTP incorrect restart issue.
- Minor bug fixes and code clean up.
- Fix SMTP service delay bug
- Fix SMTP service hang issue.
- Update latest OpenSSL 1.0.2m
- Syslog system logs to external syslog server
- ~~Fix Escalation and Report alert when select from Group.~~

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- Improve DB access control.
- API and UI update
- Fix SMS-IN-OUT.msg format. Now include date and allow smsapp to delete the files.
- Fix webapp status stuck in pending
- Fix missing library for setting up date and time zone configuration.
- Fix missing 'Ignore Roster' setting at reminder, escalation and report
- 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.
- Bug fixes for mail task.
- Fix webapp bug.
- New Perl engine.
- Dropped classic appliance interface.
- Add new password requirement.
- 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
- New syslogd.

## SQVM-20170813-2 (23 Aug 2017)

- Send audit log to syslog service.
- New email to SMS by address book name.
- New MIM feature.
- Minor improvement of the mail service
- fix potential message not sent after time control period
- New user portal page.
- New MPM feature.
- Update change Asia/Rangonn to Asia/Yangon in the timezone configuration.
- Bug fixes for hostname verification (alternative provider link feature)
- Bug fixes for message filter.
- 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.
- 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
- Another bug fix for potential message stuck in queue issue
- Fix potential message stuck in queue issue.
- Fix incorrect priority input from HTTP POST.
- Improved SMTP Listen to extract content from malformed email.
- Add support for IMEI setting in SMS keyword
- Fix incorrect filter rule matching.
- New mobile allow list by pattern matching.
- Fix quota alert
- 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.
- Improve network monitoring Ping service
- Increase concurrent outgoing email to 10.
- Fix User Portal (webapp/) bugs.
- Fix sqoope retry bug
- Fix remote execution commands bug
- Add Audit Log
- Add Debug Mode
- Add download of current email log

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- Add duplicate/copy Filter Rules.
- Add support to skip shift management check for Filter Rules.
- 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.
- 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
    - New UI updates including "Resend" option for unsent SMS.
    - Import/export for address book and template (webapp)
    - Secure cookies (webapp)
    - New UI updates including "Resend" option for unsent SMS.
    - Import/export for address book and template (webapp)
    - Secure cookies (webapp)
    - 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 require authentication.
    - Improved internal task health check.
    - Many UI improvement to provide better user feedback in patching, set date and time and many more.
    - New web shell for remote access.
    - HTTPS and NTP configuration update.
    - sendQuick-sqoope update.
    - Fix incorrect sync in Data Sync mode.
    - Various UI fixes.
    - Fix mail processing error.  
Increase mail size support to 15MB
    - Updated PHP to 5.6.22
    - Fix Network Monitoring task hanged issue.
    - Refine Spool Manager match by email sender From or Domain matching.
    - Clean up Spool Manager logging.
    - Fix SQL error.
    - Fix handling of 0xA0 unicode character for PHP.
    - Fix potential duplicate key in webapp
    - Fix LDAP login issue in webapp
    - 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 message content field.
    - Increase SMTP concurrency handling.
    - Fix potential DDOS issue for Email-to-SMS service.
    - Improve failure notice email content for unsent SMS.
    - Fix missing display escalation/reminder/report info of mail/syslog/snmp filtering under alert list page.
    - More refinement in mail-to-SMS task. This improve performance of email-SMS.
    - Some minor tweak in the web UI and bug fixes.
    - Fix lost email SMS alert.
    - New image for sendQuick user page.
    - 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.
    - Fix incorrect character handling when upload patch from non-ASCII named directory or path.
    - 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
    - Updated ntp to 4.2.8p6



- Improve system admin login dashboard.
- Update stunnel 5.30
- Update haproxy 1.6.3
- Update lighttpd 1.4.39
- Fix multi-To fields in the email-SMS bug.
- Fix a webserver segfault bug.
- Minor feature update to email to SMS
- 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.
- Expand the default SMTP gateway to 50 characters.
- Fix incorrect string management for Mail Log.
- Harden SSH protocol
- Fix SMTP listener bug.
- Fix HTTPS security issue.
- Fix SMTP relay bug.
- Minor system improvement and updates.
- Fix incorrect web server log file management.
- New sqTask engine. This aim to reduce CPU load.
- Web Server bug fixes
- Harden web server to disable "Server: " header.
- Harden web server to accept POST and GET only
- Improve SNMPv2 support.
- 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.
- Fix incorrect URL link for console login
- 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 smssftp in sqguest account for SMS via SFTP.
- Fix potential message stuck in queue indefinitely problem due to power failure.
- Fix blank report, this is due to missing temporary report path
- Fix SSL configuration
- Fix sqguest ssh setup
- Fixed timestamp configuration for PostgreSQL.
- Fix potential message stuck in queue indefinitely problem.