

# BillMax Changes From 2.1.4 to 2.2.0

# Bug Fixes

| Ticket | Description  |
|--------|--|
| 27498  | Clarified and made consistent the use of servdef.descr and servdef.name. servdef.descr is used for internal purposes whereas servdef.name is used for customer presentations (statements, customer interface). This helps to provide service plans of the same type, but different in terms of price or promotion. |
| 27499  | Added status to the datacall index already containing startdate and termip. This was done to improve the performance of queries used to close datacall records upon NAS re-boots.  |
| 27505  | Corrected problem on the batch payment page when a searched account has a company name containing an odd number of single quotes.  |
| 27512  | Corrected custom regex classes that allowed a NULL (zero length) string.   |
| 27525  | Corrected error where ticket history not shown when searching by Ticket # (from the calltrack navigation bar). Previously one had to click SEARCH twice for display to appear.   |
| 27532  | Changed closeofday processing to prevent 'nextusagedate' from being advanced in error when a suspended service has usage. This error, though rare, causes the reopen for overage to be delayed a month.  |
| 27537  | Allow the '\$' character in statement notes. Previously the shell would interpret this character as the start of a variable.   |
| 27544  | Allow NULL columns results in Memorized Reports. Previously report_memorized would crash when data of this type was returned from a query.   |
| 27545  | Corrected ECHO refund implementation.  |
| 27548  | Corrected documentation for billmax-admin (Chapter 5.2) that stated that the argument order is "bmuid start" instead of "start bmuid".   |
| 27555  | Updated statement output to display the full length of the transaction description.  |
| 27556  | Corrected submittal of invmethod in Customer Interface registrations when more than one method was chosen.   |
| 27560  | Modified Customer Interface registration processing so that it now honors service definition states and availability.  |
| 27562  | Modified so CSRs with "billing write" privileges, but no permissions to view a credit card, can process a credit card transaction within the BillMax interface.  |
| 27564  | Modified the query used in the datacall report to show any call that spans the given dates (partially or entirely). Also added report output comments to explain what the report actually shows.   |
| 27568  | Modified the Customer Interface processing so the entire Account, User, Service, and CONFIG information is available for "reply" template processing.  |
| 27569  | Modified so Accounts are re-opened if they were suspended for being overdue and a Credit or Void causes the overdue balance to be zeroed. Previously only a Payment did this.  |
| 27570  | Modified processing when an Account is moved between virtual companies. Now it's financial transactions are moved along with the Account. Previously these transactions retained the old Virtual Company designation.  |
| 27571  | Modified ECHO transactions to include a unique counter. This counter makes the transactions unique and prevents problems with ECHO duplicate transaction checks.   |
| 27573  | Remove restrictions in library and javascript that prevented same servdef service changes.   |

| <b>Ticket</b> | <b>Description</b>   |
|---------------|--|
| 27581         | Corrected errors associated with printing or emailing adhoc statements from the staff interface due to problems with directory permissions or missing statement date directory. An account note is now used to indicate this activity.   |
| 27583         | Changed Apache LISTEN directive to include the IP address to prevent it from only listening for IPV6 connections on some OSs. The special address "0.0.0.0" is normally used to allow connects from any client.  |
| 27585         | Removed spurious continuation prompt in make_statements when re-processing a failed batch.   |
| 27586         | Corrected bad queries in BillMax_GlobalconfSetDbSig() that caused billmax-admin to hang when using failover licenses.  |
| 27587         | Corrected payhist processing that caused a submitted transaction (override) date to be ignored.  |
| 27588         | Corrected updates to service invday when entering or updating service. This error can cause full billings for abbreviated service periods for non-synchronized services.   |
| 27590         | Changed the billing of usage that occurred when a service was suspended or closed to occur only when the previous state was Open. This prevent rebilling if a service is first suspended, then closed and the associated tier plan parameter "Can Go Down" is FALSE.   |
| 27591         | Corrected the error recovery processing in BillMax's radius server that could, in some circumstances, cause duplicate stats rows to be entered.  |
| 27592         | Added the use of a new MySQL server setting (in billmax.conf) that specifies the timeout for TCP/IP connections. Newer versions of MySQL will drop connections if the idle time exceeds the timeout value. This can be an issue for BillMax radius server processing. Customers, who manage their own MySQL servers, should also use this parameter (wait_timeout) to ensure connections aren't dropped. We recommend a timeout value of at least one day. |

# Enhancements

| Ticket | Description   |
|--------|---|
| 27415  | Added support for MD5 passwords. Set the <code>BX_PASSWORD_FORMAT</code> environment variable equal to "MD5" to activate this option.   |
| 27470  | Added support for <code>calltrack_hook</code> scripting.  |
| 27510  | <p>Upgraded for compatibility with MySQL versions 4.1.x and newer. This involved updates to:</p> <ul style="list-style-type: none"> <li>• <b>BillMax Library changes:</b> Increased size of all timestamp fields. Quoted timestamp values in SQL update statements. Created new regex macros for the new timestamp format.</li> <li>• <b>Database schema changes:</b> Increased size of display for all timestamp fields. When creating tables don't use defaults for <code>auto_number</code> fields.</li> <li>• <b>Install changes:</b> Dropped use of BillMax's <code>mkmysql</code> script. Instead use scripts provided by MySQL.</li> </ul> |
| 27572  | Upgraded DataBill files so that they are compatible with DataBill's new URLs and web site. Also modified the <code>bx_DataBill.pl</code> script so that it can be used across all BillMax supported platforms.  |
| 25850  | Added new options for usage based pricing plans. Usage can now be capped with service suspension as is done in metered plans. For such purposes, usage can be set either via amount or cost. In addition, usage warning emails are now possible. Lastly there are new options for usage precision display width and for the meaning of Kb, MB, and GB.  |
| 27577  | Added option to round metered usage before calculating cost. Usage can be rounding down or up unconditionally or usage can be rounded mathematically. This option is activated via the environment variable <code>BX_METERED_USAGE_ROUNDING</code> . Possible values: UP, DOWN, and YES (for math rounding).  |
| 27580  | Added search capability to the service definition index page. This will make management of large service offering easier.   |
| 27582  | Changed management of the MySQL update log. The ASCII version of this log is no longer supported (as of MySQL version 5.0). Use the binary log instead. MySQL now writes a new binary log every time the MySQL server is started. The new <code>billmax.conf</code> parameter <code>MYSQLD_LOG_ROTATE</code> specifies the number of days of logs to keep. <code>MYSQLD_LOG_ROTATE_FREQUENCY</code> and <code>ISAM_ROTATE</code> are no longer used.  |