



VERSION 2.1 FEATURES LIST

BillMax Billing Solutions
an iSpark Group, Inc company
6737 Brentwood Stair Road, Suite 210
Fort Worth, TX 76112 USA
877-245-5629

James Wallace
Account Executive
james@billmax.com

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BillMax 2.1.0 Highlights

1. New documentation: The documentation for BillMax has had a complete makeover. The complete set now totals nearly 900 pages. It has new sections for accountants, administrators and programmers. It is available in HTML and PDF formats.
2. New staff interface authentication methods: Users are authenticated internally by BillMax (e.g. Apache authentication isn't used) using cookies. New technique adds timeout and logoff facilities and removes the dependency on Apache 1.x.
3. New fulfillment service: If desired, fulfillment processing (statement generation, envelop stuffing, mailing, etc.) can now be outsourced seamlessly in BillMax. Contact sales@billmax.com for details on this service.
4. New recurring service periods (durations): In addition to monthly and yearly plans, weekly and daily plans are now supported.
5. New usage periods (durations): Previously usage was billed (assessed) only monthly. Usage may now be billed at different frequencies with or without consideration for *epaydays* and *prebilldays*.
6. New tier plan billing: There are two new methods for computed usage in tier plans: Bulk Rate and Marginal pricing. Please see documentation for a detailed explanation of these methods.
7. New statement generation options: When statements are generated may now be specified with greater granularity.
8. Auto Credit: Store credit or refundable credit may be automatically generated whenever a service end date is set prior to the service's billed thru date.
9. Multiple statements/day: More than one statement per day can now be generated and displayed in the staff interface.
10. Account history: Financial history for an account can now be downloaded to an Excel spreadsheet and the staff interface display is now "colorized" by transaction type.
11. New *print zero charge* service definition option: This option allows for setting whether or not zero charge items are printed on a statement independently of the service definition's *free* option.
12. Title bar search: Searches on numeric fields (table key), when a match is found, result in the display of that entry (account, user, or service) instead of a list.
13. XML statements: BillMax may be configured to generate statements as XML files. This is useful in case where the statement is to be rendered in a format other than the default (ASCII text)
14. Licensing: The license scheme in BillMax now supports multiple servers. This could be used for failover, or performance reasons. For information on multi server BillMax licenses, please contact sales@billmax.com.
15. Bug Fixes: BillMax 2.1.0 contains fixes for 67 reported bugs. Please see the release notes for details on these and other changes.
16. And much more!

Benchmark

BillMax Billing Solutions is currently operating a benchmark instance of BillMax with the following characteristics:

Hardware - 800 MHz Pentium Athlon, 50 GB hard drive, 256 MB memory.
Server Operating System: Redhat Linux 9.0

Over five hundred thousand (500,000) accounts, Over six hundred thousand (600,000) services. Over twenty-two million (22,000,000) financial transactions spanning a year. Average amount of processing time for closeofday (does the daily billing, email notices, suspension of services, etc) - 5.5 hours.

Required Software

BillMax operates on the following platforms: RedHat™ Linux 7.2+, and 9.0 (requires 7.3 compatibility libraries) FreeBSD™ 4.x (excluding 4.4) and 5.x , Solaris™ 2.8 Intel™ and Sparc™ platforms.

BillMax requires the following third-party products:

MYSQL™ database (Version 4.0.17 is included)

A Web Server - Recommended is the Apache™ web server (Apache 2.0.48 is included)

A Web browser with the following technical characteristics: JavaScript enabled, Cookies enabled, Frames enabled. Internet Explorer™ 6.x and Netscape Navigator™ 7.x have been the primary test browsers.

Other third party products such as software from credit card processors or fulfillment centers may be required.

Recommended Security

BillMax is purchased and used worldwide. Due to United States export laws, BillMax does not include any strong encryption. BillMax recommends installation of BillMax billing software on a dedicated server where shell access and other services are limited.

- Modify the billmaxpub library to encrypt rather than cipher credit card information
- Encrypt credit card result files
- Copy credit card result files to removable media and delete the online versions
- SSL enable the web server
- SSL enable the BillMax Customer Interface web server
- Use an encryption tunneling technology such as stunnel to secure communication between the BillMax Customer Interface and BillMax
- Operate BillMax behind a firewall

Source Code

Most of the files associated with BillMax are delivered to the end customer upon purchase. This allows the end customer to accomplish desired customizations. The following lists what is NOT delivered:

/usr/local/billmax/src/bin/convertpayhist.c - Convert a 1.5.x BillMax payhist table to a 2.0.x BillMax payhist table
/usr/local/billmax/src/bin/create_applies.c - Create internal financial bookkeeping records
/usr/local/billmax/src/bin/create_monthlysales.c - Create internal financial bookkeeping records
/usr/local/billmax/src/bin/manualallocate.c - Create internal financial bookkeeping records
/usr/local/billmax/src/bin/unalloctrans.c - Remove internal financial bookkeeping records
/usr/local/billmax/src/bin/licenseinfo.c - Displays the BillMax license
/usr/local/billmax/src/bin/licensevalid.c - Checks the validity of the BillMax license
/usr/local/billmax/src/cgi-bin/ua.c - The BillMax Web Forms engine
/usr/local/billmax/src/lib/billmax/*.c - libbillmax. contains proprietary algorithms core to the integrity of BillMax
/usr/local/billmax/src/lib/cgitools/*.c - libcgitools. Contains proprietary algorithms for CGI processing
/usr/local/billmax/src/lib/bmuitools/*.c - libbmuitools. Contains proprietary algorithms for bmui.cgi and bmuid communication.