



The Enterprise Open Source Billing System

Release Notes

Version: Telco-4.1.0

Date: 2015-04-17

Date	Change type	Description
2015-04-17	Requirement	Improved – Asset Assignment history, records assignment of assets between customers, transition periods.
2015-04-17	Requirement	New Feature – Added support for several hashing methods out of the box, configurable, PLAIN, MD5, MD5_SALT, SHA1, SHA256, BCrypt, defaults to BCrypt
2015-04-17	Requirement	New Feature – Asset Reservations
2015-04-17	Requirement	Implemented ITG Enhancements – Versioning, SQL Fields
2015-04-17	Requirement	New Feature – Invoice Template Generator
2015-04-17	Bug Fix	Bug Fix – Cannot create assets with duplicate asset identifier
2015-04-16	Bug Fix	#12609 - The customer special pricing is not working correctly, if the customer have some invoices before for the same period.
2015-04-16	Fix test cases	Fixed Test Case test003TriggerGlobalMediation
2015-04-15	Bug Fix	Bug Fix #12343- Null Pointer Exception on update Customer
2015-04-14	Bug Fix	Fixed #11008 - Unable to change status of an order that have a discount associated to it. A validation restricts.
2015-04-14	Bug Fix	#12690- Add missing index to improve query performance
2015-04-14	Bug Fix	#12324- Replaced 'Main Subscription' terminology with Billing Cycle
2015-04-14	Bug Fix	#12660- Save unsuccessful message is displayed when user make payment using payment method that the customer did not define at customer page
2015-04-14	Bug Fix	#11012- Deleted user should not populate in 'Company' drop-down at Login screen.
2015-04-14	Bug Fix	#11565- Invoice Notification #18 should have a descriptive title.
2015-04-14	Bug Fix	#12679- Unhandled Exception when turning on Preference 43 (use Blacklist) and trying to Edit Customer
2015-04-14	Bug Fix	#12631- Date and Time format is inconsistent between the time of asset creation and under the asset transition section
2015-04-13	Fix test cases	#00000 - Test group "debug" should be removed before pushing code to repo.
2015-04-13	Minor improvement	#00000 - Fix for non thread-safe SimpleDateFormat instance usage.
2015-04-13	Bug Fix	#11744- Parameter not found error is displayed on entering the billing date parameter in expression field.
2015-04-13	Bug Fix	#12323- Account Type Billing Cycle default incorrect
2015-04-13	Bug Fix	#12555- Two error message is displayed when user try to save "Mediation 2.0" with empty values
2015-04-11	Bug Fix	#11224- User is able to save a plan order without adding the mandatory dependency associated to it.
2015-04-10	Bug Fix	#12420- No validation message is displayed when user try to upload asset with invalid file extension.
2015-04-10	Improvement	Gui fixes for asset status configuration available checkbox
2015-04-10	Bug Fix	#12538- User should not be able to Configure both 'Available' and 'Order' Saved with one asset status.
2015-04-09	Bug Fix	#11179- Order Line Adjustments double charge when not pro-rated.
2015-04-09	Bug Fix	#00000- Support classes for enum Hibernate persistence were added.
2015-04-09	Bug Fix	#12621- Fix for JAX-RS unmarshalling problem (parent order not found) when child order was marshalled.
2015-04-09	Bug Fix	#12612- Order do not save, if order have product with dependency on asset products (for both as - Current & sub-order).
2015-04-09	Bug Fix	#12515- "MetaField Type" section disappear while editing product category.
2015-04-09	Bug Fix	#12610- User is not able to release the reserved asset.
2015-04-09	Bug Fix	#12596- Unwanted Text in Product Description on an Order Line.
2015-04-09	Bug Fix	#12595- Show User ID on Asset Assignment History List.
2015-04-09	Bug Fix	#12540- Validation that restricts effective date to be earlier to Active since is checked while creating order but not on editing the order, that had never been invoiced.

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2015-04-09	Bug Fix	"Start tool tip overlapped over the date picker at edit product page" has been fixed.
2015-04-09	Bug Fix	#11683- No validation message is displayed when user edit the order line of an order for which invoice is generated.
2015-04-09	Bug Fix	#11831- Assignment History Start and End Date Times are Incorrect.
2015-04-09	Bug Fix	#12406- Free usage pool with Consumption Action don't save.
2015-04-08	Bug Fix	#11825- Plan tab is not stay highlighted while creating new plan.
2015-04-08	Bug Fix	#12530- Expiry date details are overlapped over the date picker at "Create Account Type Price " page.
2015-04-08	Bug Fix	#12484- Sorting is not working on account type.
2015-04-08	Bug Fix	#9629- More explanatory message added for deleting mediation configuration with associated process.
2015-04-08	Bug Fix	#12597- Successful payment notification is not triggered.
2015-04-08	Bug Fix	#12426- A cross icon increases every time when user add/remove asset consecutively, under the 'Group Asset' section.
2015-04-08	Bug Fix	#12488- Incorrect payment method is displayed in payment list when user make payment using payment method that the customer did not define at customer page.
2015-04-07	Bug Fix	#12501- User is able to select multiple "Order saved" statuses simultaneously.
2015-04-07	Bug Fix	#12271- User is not able to create order with plan having asset product
2015-04-07	Bug Fix	#12396- 'Filters' section for asset disappear in JQGrid view.
2015-04-07	Bug Fix	#9570- Small ui fix in mediation configuration tab.
2015-04-07	Bug Fix	#12591- Can schedule batch job even if preference set to true
2015-04-07	Minor improvement	Create checkboxes with a clickable label.
2015-04-07	Bug Fix	#12483- Exception occurred on viewing payment report with period breakdown as week/month.
2015-04-07	Bug Fix	#12427- A validation is displayed on saving an asset, when there exist a mandatory meta-field in system but is not configured to be considered at asset level.
2015-04-06	Bug Fix	#11806- Mediation Results - Pagination Issues
2015-04-06	Bug Fix	#12592- 'Customer is not found' message is displayed permanently unless no customer is created.
2015-04-06	Bug Fix	#12496- Jasper Design PDF fails to be downloaded.
2015-04-06	Bug Fix	Being able to create order with only order changes for createOrder API method.
2015-04-06	Bug Fix	Fixing the orderchange.start_date to align with order.active_since
2015-04-06	Bug Fix	#12431- User cannot change the period of a plan order on editing, after the plan's period is edited.
2015-04-06	Bug Fix	#12384- Global Product show screen is not displayed when Impersonating a child company.
2015-04-03	Bug Fix	Additional fix to CurrencyExchangeTest.testRecordSomething.
2015-04-03	Fix test cases	Fixes around asset reservation
2015-04-03	Bug Fix	#12556- Asset name is not displayed when user try to create asset with HTML tags.
2015-04-03	Bug Fix	#12449- Apply now functionality do not work.
2015-04-03	Bug Fix	#12553- Inconsistent appearance of ITG templates on account type and invoice template page
2015-04-02	Bug Fix	#12485- User cannot add historical time-line for more than one date at edit plan page. User need to save plan after adding every time-line.
2015-04-02	Bug Fix	#12476- Discountable item/order dropdown menu displays a 'Flat' rate as a percentage
2015-04-02	Fix test cases	Fixed failing discount tests
2015-04-02	Bug Fix	#11548- There is no successful confirmation when User clicks the 'Update' button from the Orders screen right panel under 'Changes'.
2015-04-01	Improvement	Changing some defaults to invoice designs related to jbilling inc
2015-04-01	Minor improvement	Minor fix for reset password issue
2015-04-01	Bug Fix	#12404- Customer AIT Filters
2015-04-01	Bug Fix	#10881- Unable to create order with product with multiple dependency. The parent product do not populate under review tab, after adding first dependency out of multiple.
2015-03-31	Improvement	Equalize between order.since and orderChange.start to make the billing process to correctly compute the periods.
2015-03-31	Improvement	Updated licensing jar
2015-03-31	Bug Fix	#7957- Amount for default quantity (1) in an order is not displayed in case of tiered and volume pricing type product.
2015-03-31	Bug Fix	#12506- 'Pre-paid' type is displayed available for One-time Orders. It do not work though
2015-03-31	Bug Fix	#10915- Able to Create a Group Asset for the Root company with Assets that are Company Specific.
2015-03-31	Requirement	#12408- Add 4.0 Billing Process test case for order with no active order lines
2015-03-31	Bug Fix	#12390- Edit AIT - Type information does not show

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2015-03-30	Bug Fix	Download Invoice fails for account type not having AIT preferred
2015-03-30	Bug Fix	#12447- User is able to re-use the previous password to reset the password.
2015-03-30	Bug Fix	#12486- Account locking feature is not working
2015-03-30	Bug Fix	Fixed NPE when sourceUserId is not present.
2015-03-29	Bug Fix	#11822- Problems creating WAR with latest Release
2015-03-29	Bug Fix	Fixed issues with Global Mediation
2015-03-29	Bug Fix	#12308- Rate field should be blank when user try to set product special pricing within the plan by adding plan historical timeline while editing.
2015-03-29	Bug Fix	Fixed price resolution for late guided usage
2015-03-28	Improvement	Added ability to expire account type and customer specific prices from GUI.
2015-03-28	Improvement	Added back the plan enhancement tests
2015-03-28	Bug Fix	Fixed LateGuidedUsageTests
2015-03-27	Bug Fix	#12505- User for invoice column is not updated when user click on Save or Apply button after checking 'Use for invoice production' checkbox.
2015-03-27	Bug Fix	#11225- Products of next page(from pagination), when added to order, don't populate under review tab.
2015-03-27	Bug Fix	#12482- Exception occurred when user try to save order change type with empty field.
2015-03-26	Bug Fix	#12480- Fix TE4.1 Build
2015-03-26	Bug Fix	#11663- In JQGrid view agent id is missing and agent name is undefined.
2015-03-26	Bug Fix	#12479- Test Cases failing when they attempt deleteOrder
2015-03-26	Bug Fix	#12423- Two validations are displayed for blank currency name field.
2015-03-26	Bug Fix	#12475- Unhandled exception is displayed after creating an order with a discount.
2015-03-25	Bug Fix	#10855- Choose asset pop up should not be displayed at order creation page if plan is created with bundled quantity zero.
2015-03-25	Bug Fix	#12325- Mediation API method with Limit
2015-03-25	Bug Fix	#11254- Pagination links at 'Billing' page is displayed twice, if the billing run exceeds 10 in number.
2015-03-25	Bug Fix	#12461- New Order Status section is disappears when user try to save order status with an empty field.
2015-03-25	Bug Fix	#12429- Unnecessary validation message is displayed at choose assets page.
2015-03-24	Bug Fix	#11584- Solution changed according to comments.
2015-03-24	Bug Fix	#12253- Fixed NPE on metafields.
2015-03-24	Bug Fix	#12385- Unhandled exception is displayed when creating a Discount with empty fields.
2015-03-23	Requirement	#11709- Remove Dependencies: order package
2015-03-23	Requirement	#11708- Remove Dependencies: invoice.WSTest
2015-03-23	Requirement	#12339- Removed dependency on Billing Process Simple Scheduled Task.
2015-03-22	Bug Fix	Fix for customer password update in discount test
2015-03-20	Bug Fix	#12321- After deleting an ITG Invoice Template, Customers are gone.
2015-03-20	Bug Fix	#12421- "Global" is displayed twice at the order creation page
2015-03-20	Bug Fix	#12191- Account type selection is lost after validation displayed on payment method page.
2015-03-20	Bug Fix	#11732- Plan Fee Period Definition on Plan - Additional Field.
2015-03-20	Bug Fix	#10893- Cannot update customer
2015-03-19	Bug Fix	#10625- Discount with amount greater than the order discount should not be applicable.
2015-03-19	Bug Fix	#12355- Order should be successfully saved, when the product end date is same as order active since, irrespective of Active until (can be any, greater than Active Since) of the order.
2015-03-19	Requirement	#11711- Remove Dependencies: user package
2015-03-19	Bug Fix	#12316- Exception occurred on invoice preview window.
2015-03-19	Bug Fix	#12268- User is able to delete used asset.
2015-03-19	Bug Fix	#12256- 'Add Date' does not work on Account Type Price Edit.
2015-03-19	Bug Fix	#12397- 'Reserved' status being optional, user should be able to un-check "Reserved" status for category.
2015-03-18	Fix test cases	Fix for failed test. cleanup of dependents items
2015-03-18	Bug Fix	#11632- Sorting do not work for orders 'amount'
2015-03-18	Bug Fix	#12398- Percentage symbol is displayed twice at account type price page, when user try to set special pricing for the line percentage product.
2015-03-18	Requirement	#12272- Remove Dependencies: task package
2015-03-18	Bug Fix	#11836- Tokens are not displayed properly at "Edit Notification" page.
2015-03-18	Bug Fix	#11346- \$url should be available as a token and param
2015-03-18	Bug Fix	#11194- Is the word "Subscriptions" still applicable in the Inspect Customer screen header "Subscriptions and recurring orders"?
2015-03-18	Bug Fix	#12382- Password change - notification content??

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2015-03-17	Bug Fix	#11391- Only child's id is displayed on the invoice line of parent. No first/last name is displayed.
2015-03-17	Bug Fix	#11332- Failed to add new breadcrumbs : Intermittent Issue.
2015-03-17	Bug Fix	#12350- Password change un-successful
2015-03-17	Bug Fix	#12306- Error occurred on downloading the invoice pdf.
2015-03-17	Bug Fix	Obsoleted Product Filter - Percentage Range
2015-03-17	Bug Fix	#11521- Exception occurred when user try to set special pricing at account type level.
2015-03-17	Bug Fix	#12267- Order is not found error appears when user cancel the purchase order.
2015-03-17	Bug Fix	#12240- Correct text should be displayed in validation when user try to save meta-field with empty datas.
2015-03-17	Bug Fix	#12229- Start tool tip overlapped over the date picker at edit product page.
2015-03-16	Bug Fix	#12345- Asset Reservation should not be a mandatory asset status.
2015-03-16	Bug Fix	#12314- Error when downloading PDF invoice.
2015-03-16	Bug Fix	#12317- Validation message should be displayed when user try to search with invalid data.
2015-03-16	Bug Fix	#11789- Typo in Expiry Password successfully changed notification.
2015-03-13	Bug Fix	#10978- An unhandled exception has occurred while removing threshold amount from edit customer screen.
2015-03-13	Bug Fix	#11743- Text field displayed outside the section at "Add New Plug-In" page.
2015-03-13	Bug Fix	#12883- 'Lost Password' notification is void of reset password link.
2015-03-13	Minor improvement	Resolve UI problem of plugin
2015-03-12	Bug Fix	#11631- Column header reads 'Product Name' but its search works with product id.
2015-03-12	Bug Fix	#11553- Typo: "Order Line Charges" should be "Order line Charges"
2015-03-12	Bug Fix	No result is displayed on searching global products.
2015-03-11	Minor improvement	Added columndatatype in addNotNullConstraint in 4.1.xml
2015-03-11	Bug Fix	Failed to create order
2015-03-11	Bug Fix	#12073- Authentication error is displayed when user edit the template after session timeout has been fixed.
2015-03-10	Bug Fix	#8922- Test case fixes Late Usage Rating * Price resolution bug fix
2015-03-10	Bug Fix	#10846- Fixes for show validation if child Category is selected by root company while creating product.
2015-03-10	Bug Fix	#11811- 404 error is displayed after clicking on download pdf button, has been fixed.
2015-03-10	Bug Fix	#11531- Removed asset updation code if order saved
2015-03-10	Bug Fix	#11330- Fixes regarding test cases fail.
2015-03-10	Bug Fix	#11032- Plan should not be displayed under "Product drop-down menu" while creating group of asset.
2015-03-10	Bug Fix	#12228- User is not able to create order
2015-03-09	Bug Fix	#11664- Fixes for FilterType.PARTNER in filter factory and sorting by username in case of JQgrid
2015-03-09	Bug Fix	#12074- Fixes the breadcrumb issue on clicking the template-version
2015-03-09	Bug Fix	#11656- Removes ref. to listCategories action.
2015-03-09	Bug Fix	#11826- Creates methods for re-usable code.
2015-03-09	Minor improvement	Added dbms in changset of 3.3.xml
2015-03-09	Enhancement	UI Enhancements not related to plan enhancements
2015-03-09	Fix test cases	Late Guided Usage test cases
2015-03-09	Enhancement	Plan related enhancements tests
2015-03-09	Bug Fix	#11256- Creating a Product: A Company must always be selected even when there is only one option.
2015-03-09	Bug Fix	#11416- DB Issues found during MySQL upgrade && 11671- DB Interoperability Issue for Custom SQL ChangeSets
2015-03-09	Bug Fix	#11788- Entering the wrong user name at expiry password reset page throws unhandled exception instead of error notification
2015-03-04	Bug Fix	#9457- Fixed asset status assignement at release reservation time
2015-03-04	Bug Fix	#9458 - Fixed asset reservation release method, the reservation released by the user will be deleted, the reservation released by the cron task (i.e. reservation expired) will be set as completed==true.
2015-03-04	Bug Fix	#11712- Fixes for show global checkbox if save unsuccessful for product belongs to global category.
2015-03-04	Requirement	#7358- Plan description is not displayed on plan history.
2015-03-04	Bug Fix	#11633- Fixes the validation for reservation-duration field.

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2015-03-04	Bug Fix	#11817- Unhandled Exception when changing a Plan price and then clicking "restore".
2015-03-04	Bug Fix	#12075- Fixes the hidden validation issue on setup-columns screen for event-lines.
2015-03-03	Bug Fix	#11753- Plan historical timeline should not be displayed at plan creation page has been fixed.
2015-03-03	Minor improvement	Minor changes in jbilling-upgrade-4.1.xml
2015-03-03	Bug Fix	#11682- Fixes code review comment
2015-03-03	Bug Fix	#11662- Cannot add a Line Percentage Product as a sub-order dependency.
2015-03-02	Requirement	#11680- Create a checkbox 'Use for Notification' to Account Information Type Edit/Create page.
2015-02-27	Bug Fix	#11738- Fixed border repetition in plugin add/edit page.
2015-02-27	Bug Fix	#11457- Small fix on labes messages for some of the telco related pricing models.
2015-02-27	Minor improvement	Unsupporting docs target
2015-02-26	Bug Fix	#11604- Fixed AssetReservationBL
2015-02-26	Bug Fix	#11821- Fixes the error on opening screen for account-type prices.
2015-02-26	Bug Fix	#11808- jBilling Mediation Bug
2015-02-25	Minor improvement	Fix renaming file extension
2015-02-24	Bug Fix	#11693- Exception occurred on clicking 'View History' button at product creation page.
2015-02-23	Improvement	Second final patch
2015-02-23	Improvement	Assets section added in customer UI. PhoneNumber filter added in customer's list UI
2015-02-23	Bug Fix	#11653- Payment amount is missing in payment JQGrid table.
2015-02-18	Bug Fix	#11533- Asset Reservation Record Not required once added to an Order
2015-02-18	Requirement	#11266- Enumeration API Methods
2015-02-17	Bug Fix	#10442- Payment Methods: should 'All Account Types' checkbox be available?
2015-02-17	Minor improvement	File name emails_sent.log changed to emails_sent.txt
2015-02-17	Bug Fix	Revert: * Bugs #3657 - Mediation does not generate data for events processed for customers with special pricing.
2015-02-16	Bug Fix	#8875- 'Report Name' table should not open unless any 'Report Type' is selected.
2015-02-16	Bug Fix	#8877- Column labels (Login & Name) for user should be corrected to avoid confusion.
2015-02-16	Bug Fix	#11465- Customer Notes expandable panel displayed twice.
2015-02-16	Bug Fix	#10181- Remove currency symbol from Tax field?
2015-02-13	Improvement	Asset reservation fixes by Marco Manzi
2015-02-13	Bug Fix	#11660- Fix versioning functionality in ITG template
2015-02-13	Improvement	Resolved: Mediation Errors csv cells contains field names and values together.
2015-02-12	Bug Fix	#11281- None plugin related to provisioning have description associated.
2015-02-12	Bug Fix	#11389- 404 error occurred when user try to delete used Enumerations.
2015-02-12	Bug Fix	#11280- Assets assignment in an order creation
2015-02-12	Bug Fix	#11618- Create Customer fails on Telco 4.1.0
2015-02-12	Bug Fix	#11534- Forward and backward pagination arrows to change pages in not displayed in JQGrid.
2015-02-12	Improvement	Revert "0000 - switch default grails resolving dependency mode to offline."
2015-02-11	Bug Fix	#11318- Commission specific to selected agent should only be displayed.
2015-02-11	Bug Fix	#11559- JQGrid List Views for Asset
2015-02-11	Bug Fix	#11501- Details section is dispalyed instead of no rate-card
2015-02-11	Bug Fix	#11596- In Orders, suggesting name changes for left and right 'Changes' tab for clarity.
2015-02-10	Improvement	Switch default grails resolving dependency mode to offline
2015-02-10	Fix test cases	#11497- Fixing Test Cases on 4.1.0
2015-02-10	Bug Fix	#11137- Auto Recharge Amount not Automatically Processed for Parent Account
2015-02-10	Bug Fix	#11587- Email value not preserved when password validation failed due to password rules
2015-02-09	Bug Fix	#11561- 'Agents' tab is missing.
2015-02-09	Fix test cases	Fix for badly merged test
2015-02-09	Fix test cases	Simple fix for failing test
2015-02-09	Minor improvement	Resolved runtime exception
2015-02-09	Requirement	#11536- Account Information Type Meta Field Enhancement not working
2015-02-09	Minor improvement	Minor changes in jbilling-upgrade-4.1.xml
2015-02-06	Bug Fix	Test Data Not required: * Deleted Mediation Related preferences from test data, feature not available on enterprise
2015-02-06	Bug Fix	#11538- Asset Reservation broke the asset management

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2015-02-06	Requirement	#11120- ITG Enhancements : Save and Restore Revisions to ITG Templates
2015-02-06	Bug Fix	#11583- Pagination non-functional in swap plan UI
2015-02-06	Bug Fix	#10595- Prevent LazyInitializationException
2015-02-06	Bug Fix	Fixed password validation for day.
2015-02-06	Minor improvement	Removed CipherUtil class.
2015-02-05	Bug Fix	#10344- Implementation: Asset Assignment History
2015-02-05	Minor improvement	Added missing breadcrumb text
2015-02-05	Minor improvement	Removed dead code
2015-02-05	Bug Fix	#11224- User is able to save a plan order without adding the mandatory dependency associated to it.
2015-02-05	Minor improvement	Added null check child entity asset API.
2015-02-04	Bug Fix	#11462- Forgotten Password Feature Results in Unhandled Exception
2015-02-04	Improvement	Made changes for allowing child entity to call getAsset api
2015-02-04	Bug Fix	#11530- Display Asset ID on Asset Listing
2015-02-04	Bug Fix	Incorrect insert for price overriding the epoch price for the product
2015-02-03	Requirement	#11243- Development/Coding - Account Information Type Meta Field – Enhancements
2015-02-03	Minor improvement	Added missing contexts
2015-02-02	Bug Fix	#5982- New product is not updated in product line after removal of dependency and parent product while creating order.
2015-02-02	Bug Fix	Exception occurred on saving a company pooled product with all the details, after a validation is displayed to choose at least one company.
2015-02-01	Requirement	#8256- Implemented Multi threaded Billing Process
2015-02-01	Requirement	#11204- New Features for TE4.1.0 Release
2015-01-31	Improvement	Preference for Account Lock out Time made consistent across editions and versions
2015-01-30	Bug Fix	#11472- Review Payment javascript issue
2015-01-30	Bug Fix	#10617- Global checkbox should only appear where/when appropriate
2015-01-30	Bug Fix	#11455- Customer Edit Screen Bug
2015-01-30	Bug Fix	#11453- Exception occurred when user click on "Add Product" button
2015-01-29	Minor improvement	Requires UserDTO
2015-01-29	Bug Fix	#11412- Implement ITG Enhancement : NEW SQL Value element
2015-01-29	Bug Fix	#11454- Pricing Strategy Select Bug
2015-01-29	Bug Fix	#11459- Price Model error
2015-01-29	Bug Fix	#11296- Plan timeline is not working
2015-01-28	Bug Fix	Removed reference to an unexisting test notification attachment design file
2015-01-28	Bug Fix	#10919- Parts of the Invoice Notification Email attached PDF reads "null"
2015-01-28	Bug Fix	#11372- Remove Asset Product PopUp Bug
2015-01-28	Bug Fix	#11234- Unhandled exception occurred when a user mistakenly searches an entity, for which searching from top menu is not meant for (eg: product/category)
2015-01-28	Bug Fix	Added paymentCardObscured back.
2015-01-27	Bug Fix	#11315- Year is not considered while comparing Start & End date for report.
2015-01-26	Bug Fix	#11260- If 'Reserve' button is clicked without selecting any asset, one of them is reserved anyway
2015-01-26	Bug Fix	#4720- Internal server error is occurred when add the Item Selector pricing based product on order screen page.
2015-01-26	Improvement	Fixed issues with the design files
2015-01-26	Improvement	Fixed error reporting error message on ui
2015-01-26	Improvement	Updated new Logo
2015-01-23	Bug Fix	#10631- Mandatory & Disabled Meta Fields behaviour inconsistent for workflows
2015-01-23	Bug Fix	#11188- Max Periods to invoice requires new default value to allow Order Line Adjustments to also include current period cahrges.
2015-01-23	Minor improvement	Multiply as BigDecimal
2015-01-22		#11258- 'Reservation Duration' field takes decimal values as integer when creating a Product
2015-01-22	Bug Fix	#10256- Asset Reservation - asset reservation/asset release fixes.
2015-01-22	Bug Fix	#11282- Exception occurred while saving a purchase order

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2015-01-22	Bug Fix	#11028- An unhandled exception has occurred when user click on "Reset" button at reset password page.
2015-01-22	Bug Fix	#10932- Token moves outside the body when user select all available tokens
2015-01-22	Bug Fix	Asset Product Not added
2015-01-22	Bug Fix	#11321- Customer Notes in no particular order if I do not 'save changes' after each.
2015-01-22	Minor improvement	Renamed method to reflect meaning
2015-01-21	Bug Fix	#11346- \$url should be available as a token and param
2015-01-21	Bug Fix	#11331- Cannot add a new plan when JQGrid is enabled through preferences
2015-01-20	Requirement	#6316- SPE - Create salt password secure encrypter
2015-01-20	Requirement	#10126- Added missing js that was preventing the UI to work.
2015-01-20	Requirement	#11185- Password enhancements for PCI Compliance. Added Features like Reset password from GUI, Forgot Password, Admin password reset, Lock user accounts by admin as well as automatically based on a preference rule, Password lock, Unique passwords, Identify inactive Accounts
2015-01-19	Bug Fix	#10286- Pricing Timeline on Customer Price doesn't work properly
2015-01-19	Bug Fix	Resolved Some Functionality issues
2015-01-19	Requirement	#9982- Upgrade JB 4.0 to Java 8/Grails 2.4.3
2015-01-16	Bug Fix	#11269- An asset is not reserved when it is added to an order by clicking 'Add to order' button
2015-01-16	Bug Fix	Resolved compilation and prepare-test errors
2015-01-16	Bug Fix	#11011- Asset with long characters should be displayed properly at order creation page
2015-01-16	Bug Fix	#11227- Fixed Plan level meta field value lost.
2015-01-16	Requirement	#11107- Implemented Line Percentage Price as a jBilling Pricing Strategy LinePercentagePricingStrategy
2015-01-14	Requirement	#11250- Code Review - Requirement #11185 - Password enhancements for PCI Compliance
2015-01-14	Fix test cases	Fix for failing unit test
2015-01-14	Bug Fix	#11217- Custom reports ignore year in date parameters
2015-01-14	Bug Fix	#11226- Proper validation message should be displayed while user delete parent order without deleting child order.
2015-01-14	Bug Fix	#11013- Question mark needed at confirmation window while deleting an user.
2015-01-12	Requirement	#11108- Add automated Test Cases – LinePercentagePricingStrategy
2015-01-12	Enhancement	Changed version to 4.1.0
2015-01-09	Bug Fix	0000 - NPE prevention
2015-01-08	Bug Fix	#10899- Global checkbox should not be available at product creation page for company specific category.
2015-01-08	Bug Fix	Fixed issues with permission related ids
2015-01-08	Bug Fix	Fixed: Exception occurred on saving plug-in
2015-01-07	Bug Fix	Fix for semi-monthly period addition
2015-01-07	Bug Fix	#11202- Error occurred while creating product
2015-01-07	Bug Fix	#10920- Wrong notification fires for Entered payments
2015-01-07	Bug Fix	Exception occurred on AddProduct
2015-01-07	Bug Fix	#11201- Error when click to Payment tab
2015-01-07	Fix test cases	Fix for failing discounts test
2015-01-07	Bug Fix	#10809- Pre-expanded Notes field from New/Edit Customer screen does not save anywhere
2015-01-06	Bug Fix	#9783- Hbase auditing causing problem with billing process review runs.
2015-01-06	Bug Fix	Duplicate id in permission table was removed
2015-01-06	Bug Fix	Add Context in jbilling-upgrade-4.0.xml
2015-01-06	Bug Fix	#11111- Discount-Permission-IDS-need-correct
2015-01-05	Bug Fix	#10573- Code review changes
2015-01-05	Bug Fix	#11177- Alphebetize agency drop-down on login screen following password expiry
2015-01-05	Bug Fix	#10355- Minor change related to HTTPS
2015-01-05	Requirement	#4989- Code Refactor:Development: Customer Account Notes
2015-01-05	Bug Fix	#10590- Fixes of column issue in previous fixes of showing selected agent commissions
2015-01-02	Bug Fix	#11172- Product category type meta fields are not visible at Add Category screen
2015-01-02	Bug Fix	#10458- Payment method selection is lost after validation displayed on the page.
2015-01-02	Bug Fix	#10846- Possible to Add Root Product to Child Company Category - Validation Message?
2014-12-31	Bug Fix	#11039- Slow mediation UI fix
2014-12-30	Bug Fix	#10321- Incomplete year is displayed on 'Total Invoiced per Customer' report.
2014-12-30	Bug Fix	#10855- Choose asset pop up should not be displayed at order creation page if plan is created with bundled quantity zero.
2014-12-29	Bug Fix	#10933- Payment refund notification is not sent.

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2014-12-26	Bug Fix	#10914- Product can be saved as 'Global' when saved under Child Specific Category, and becomes Available to all Companies within Hierarchy.
2014-12-24	Bug Fix	#10931- "Order expiry token" and "Collection" token are not available under tokens section at "Edit Notification" page.
2014-12-24	Bug Fix	#10584- User is not able to relocate the add note window at edit user page.
2014-12-24	Bug Fix	#10734- No action is performed when user click on any "Tokens" present under the "Edit Notification " page.
2014-12-24	Bug Fix	#10922- Company selection field should not be available at assets creation page for Company specific products.
2014-12-24	Bug Fix	#10448- On Product screen, Companies filter should be auto-filtered according to Category availability.
2014-12-23	Bug Fix	#10585- Inconsistency in 'Matching field' UI.
2014-12-23	Bug Fix	#10118- Payment details not gets removed from customer details page when user disassociate the payment method from account type.
2014-12-22	Bug Fix	#8192- Validation added for duplicate entries in payment method for customer.
2014-12-22	Requirement	The new strategy Line Percentage Pricing
2014-12-19	Bug Fix	#10944- Notification 1 and 2 are not send to the user when it exceeds the credit limit.
2014-12-19	Bug Fix	#10883- Mediation 3.0 not working despite successful Ant test.
2014-12-19	Bug Fix	#10948- 'Pro-rate this order' check-box is not displayed checked at 'Edit order' screen.
2014-12-19	Bug Fix	0000- NPE prevention
2014-12-18	Bug Fix	#10901- In Permissions, it still reads "Partner" - Should be replaced with "Agents".
2014-12-18	Bug Fix	#10923- An unhandled exception has occurred when user click on "cancel" button while a purchase order is still in progress of saving.
2014-12-17	Bug Fix	#11020- Product details do not open on clicking on product link of special pricing at Inspect Customer screen.
2014-12-17	Bug Fix	#9823- "Custom user notifications per ageing steps" page is overlapped when user saves new plug_ins.
2014-12-16	Bug Fix	Fixed double list method compilation issue: removed edition to discount permission because permissiontypeid 13 is set for assets
2014-12-16	Bug Fix	#10998- Error message is displayed while creating global "Group of Asset" with global products
2014-12-16	Fix test cases	Uncommented CurrencyBLTest case and resolved the issue when test case is executed
2014-12-16	Bug Fix	#10746- Agent Commission Process date field non-editable
2014-12-16	Bug Fix	#10961- An unhandled exception has occurred when user try to save order periods with null value
2014-12-16	Bug Fix	#10939- Invoice Design hierarchy does not recognize Account Type design field.
2014-12-15	Bug Fix	#11061- Null Pointer Exception While Adding Field Based Product in PO.
2014-12-15	Bug Fix	#11041- User is redirected to "New Rate Card" page when user try to edit the rate card with invalid name details.
2014-12-15	Bug Fix	#11007- Html tags gets executed on entering html tags in payment method name field.
2014-12-15	Bug Fix	#10345- Error is displayed at customer creation page when user create metafield with capital letters.
2014-12-15	Bug Fix	#10995- Product from 'One Item Per Customer' category purchased by one customer cannot be purchased by another customer.
2014-12-15	Bug Fix	#10579- Forgot Password is not working properly on lab7:8080
2014-12-13	Bug Fix	#11032- Plan should not be displayed under "Product drop-down menu" while creating group of asset.
2014-12-12	Bug Fix	#10994- 'Total Amount Invoiced' shows invoice from another company for Period breakdown Weekly/Monthly.
2014-12-12	Bug Fix	#10586- 'Add Route Record' pop-up should close after the record is saved.
2014-12-12	Bug Fix	#10528- Product Pricing Timeline disappears during edits.
2014-12-12	Bug Fix	#10555- User code list is not displayed with correct font color.
2014-12-12	Bug Fix	#10964- "Company" column header is not needed for asset list in child company
2014-12-12	Bug Fix	#10896- At 'group assets' section, assets removed should re-populate under asset identifier list.
2014-12-11	Bug Fix	#10213- Some junk data are displayed in 'values' while making nested search on browsed table.
2014-12-10	Bug Fix	#10383- Negative values are acceptable into credit limit and credit limit notification fields.
2014-12-10	Bug Fix	#10822- Show 20 50 not working for category lists > 10
2014-12-09	Bug Fix	#10340- 'Applied' check-box of an added order change status checks itself on clicking anywhere on the screen.
2014-12-09	Bug Fix	#10960- An unhandled exception has occurred when user click on "Edit" button of a deleted account type details.
2014-12-09	Bug Fix	#10916- Plug-in details do not refresh on right when changing.
2014-12-09	Bug Fix	#9994- amp; gets attached to '&' if a company is created with & sign. This is displayed everywhere the company name is displayed.

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2014-12-09	Bug Fix	#10331- Two error message is displayed while user try to save enumeration without entering data into any field .
2014-12-08	Bug Fix	#7957- Amount for default quantity (1) in an order is not displayed in case of tiered and volume pricing type product.
2014-12-08	Bug Fix	#10007- Field label overlapped on the text field, while user configure "Order line provisioning task" plug-In.
2014-12-05	Bug Fix	#10893 Fixed - Credit Cards not saved in db with obscured format
2014-12-05	Minor improvement	#10947: Customer is now created with default credit limit -1, to take the company definition by default.
2014-12-05	Bug Fix	#10963 – Fixed – Save unsuccessful error message is displayed when user change the payment method at customer details page.
2014-12-04	Minor improvement	#10950 - OrderChangeCtx utility class was added for accumulating quantity.
2014-12-04	Bug Fix	#10950- Incorrect Order Line quantity (=0) when you edit an order to backdate the effective date
2014-12-04	Bug Fix	#10952- Auto Recharge Threshold Field at Customer Level does Not Save
2014-12-04	Bug Fix	#10940- Small diameter fix in resolving current order
2014-12-04	Bug Fix	#10951- Agent Roles Fix
2014-12-04	Improvement	Corrected space change because it causes checksum change
2014-12-04	Bug Fix	10937 - Assets specific to Child Reseller Co are created in PO for Reseller Child co Customer in Root Company.
2014-12-03	Bug Fix	#10947- Credit Linmit now use the threshold in the evaluation
2014-12-03	Bug Fix	#10935-: Fixed obscured cards after billing process
2014-12-03	Bug Fix	#10942- Unable to edit line percentage product into metered
2014-12-03	Bug Fix	#10875 – Fix for not thread-safe usage of users ids list in Batch Billing
2014-12-03	Bug Fix	#0000 – Refactoring in Batch ageing; potential NPE fix
2014-12-03	Bug Fix	#10859 – Net(quantity,price,amount) fields,columns were refactored out
2014-12-03	Bug Fix	#10886- Inserting next invoice number preference for Reseller Company
2014-12-03	Bug Fix	#10893- Cannot update customer (refactoring of the credit card validation parts)
2014-12-03	Bug Fix	#10870- In an invoice line, the line included as a result of order change in product price/quantity, should show the price/quantity as difference of new and old price/quantity. Resulting Incorrect invoice line .
2014-12-02	Bug Fix	#10921- Exception occurred on relogin after session is expired and user tried to create a new account type
2014-12-02	Bug Fix	#10857- Apply Now Functionality - Product Line not Added to Saved PO
2014-12-02	Bug Fix	#10902- Credit Card Number becomes 'un-valid' when paying an invoice
2014-12-01	Bug Fix	#10618 - Graduated Route Rate Card Rating Fails with Null Pointer Exception while calculating price using route rate card
2014-12-01	Bug Fix	#10849- No validation is displayed when user edit the Active since date of an order for which invoice is already generated
2014-12-01	Bug Fix	#9977- "Partners" should now read "Agents" throughout.
2014-12-01	Requirement	#9288, #10886, Removed pessimistic locking implemented thread locking and also remove hibernate session and started using stateless session for the generation
2014-12-01	Bug Fix	#10703- Notification list is not after adding a new notification in any category.
2014-12-01	Bug Fix	#10895- Add Product' button is missing from below the list (displayed after a product is saved) of products. Also an unwanted message is displayed.
2014-12-01	Bug Fix	#10884- Able to generate invoice for line percentage product
2014-12-01	Fix test cases	#Test Case Fixed: test008UserMainSubscription
2014-12-01	Bug Fix	#10725 - JBilling does not support Long Type for CDR Format
2014-12-01	Bug Fix	#10577 - ClassCastException While Creating Matching Field for Route Table and Route Rate Card
2014-12-01	Fix test cases	#Test Case Fix: 33 and 34
2014-12-01	Bug Fix	#10808- Proper validation message is not displayed when user upload an invalid file format.
2014-12-01	Bug Fix	#10892- Customer in Collections step automatically saved back to Active
2014-12-01	Bug Fix	#10854-Error message is displayed while uploading assets to the global produc
2014-12-01	Bug Fix	#10516- Category not available message is displayed after clicking on product id link when adding special pricing for account type.
2014-12-01	Bug Fix	#10887- Custom Meta Fields not recognized by Notification tokens
2014-12-01	Bug Fix	#10811: Fix for hierarchy order
2014-12-01	Bug Fix	#9953: User is able to delete used agent
2014-12-01	Bug Fix	#10876- Exception Error when creating a new order and changing order period before saving
2014-12-01	Bug Fix	#10864- Display global mediation process orders in child entity
2014-11-30	Bug Fix	#10287- User card details are not displayed on customer details page.
2014-11-30	Bug Fix	#10869- Users permissions have HTML included characters.

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2014-11-30	Bug Fix	#10858- Global product asset deleted from child company, gets deleted from root company as well.
2014-11-30	Improvement	Minor fix to rails script GenerateLbJar
2014-11-30	Improvement	GenerateLbJar for custom db migration
2014-11-30	Bug Fix	#10766- Product categories of another company is also displayed at "New Order change Type" page.
2014-11-30	Bug Fix	#10873- Global product categories are not displayed at "New Order change Type" page for child company.
2014-11-30	Bug Fix	#10038- User is unable to create Child Company, with 'Invoice as Reseller', checked
2014-11-30	Bug Fix	#10866- Category Creation - Add Product Button, Delete buttons missing
2014-11-30	Improvement	Fixed NPE
2014-11-30	Bug Fix	#10865- Payment Deleted But Invoice still remains PAID
2014-11-30	Bug Fix	#10879- BalanceThresholdNotificationTaks issue
2014-11-30	Bug Fix	#10872- A validation for prorating not possible (due to order period and customer period difference) is displayed even when the 'prorate this order' check-box is automatically deselected.
2014-11-30	Bug Fix	#10804- Refund payment amount not editable
2014-11-30	Bug Fix	#10616- A child company user can add a product to a Global category & no child company category
2014-11-30	Bug Fix	#10862- Make Payment button on Customer screen disappears if Customer balance is \$0
2014-11-30	Bug Fix	#10837- User is unable to update (decrease) quantity of a product belonging opo/opc category,after validation for quantity greater than 1 is displayed at order page.
2014-11-30	Bug Fix	#10470- Mediation Configuration > Insert Record functionality not working
2014-11-29	Bug Fix	#10755- 'Global' check-box is not available while editing a plan.
2014-11-29	Bug Fix	#10526- On Product screen, warning prevents >1 company price for company hierarchies
2014-11-29	Bug Fix	#10819- Company Hierarchies - Root is NOT allowed to Create Data without Impersonation
2014-11-29	Bug Fix	#10525- On Add Product screen, no 'Categories' option is selected by default
2014-11-29	Bug Fix	#10802- Apply Now Button - Auto Deselected when 'Update Button' clicked
2014-11-29	Bug Fix	#10832- 'ONE_TIME_PERCENTAGE/RECURRING' discount do not save. Process continues.
2014-11-29	Bug Fix	#9958 - adjust net quantity and amount before saving from UI
2014-11-29	Bug Fix	#10790- 'Pro-rate this order' check-box should automatically deselect if the order period do not match the customers billing cycle.
2014-11-29	Bug Fix	#10583- Global product deleted from child company, gets deleted from root company as well.
2014-11-29	Improvement	CODE REFACTORED
2014-11-29	Bug Fix	#10834- User is able to make Payments through invalid Card details.
2014-11-29	Bug Fix	#10835- Unhandled exception occur on saving to hide/change position of tabs - Dynamic configuration issue.
2014-11-29	Bug Fix	#10848- Asset Groups - Category option displays all Categories from ALL Companies within instance
2014-11-29	Bug Fix	#10785- 'Effective date' do not come in action for an invoice, if the effective date is corrected by editing the order.
2014-11-29	Bug Fix	#10841- BP Generates Incorrect Invoices from Post-Paid Orders
2014-11-29	Bug Fix	#10826- Discount tab not disabled when Editing Order
2014-11-29	Bug Fix	#10789- Error message is displayed when user click on "Edit" button of a product having "Quantity Add-on" pricing model.
2014-11-29	Bug Fix	Fixed NPES
2014-11-28	Bug Fix	#10817- 'ONE_TIME_PERCENTAGE/RECURRING' discount do not retain in discount type drop-down. Thus, unable to create it. Process continues.
2014-11-28	Bug Fix	#10799- Notes length error validation appears as orange text on red background - virtually unreadable
2014-11-28	Bug Fix	#10664- Error message is displayed when user click on "Pay Total Amount Owed " for child customer screen from the root company.
2014-11-28	Improvement	Added helper methods to check if invoiceAsChild
2014-11-28	Bug Fix	#10532- Agent's 'Type' and 'Commission Type' do not retain at edit agent screen. It switches to default.
2014-11-28	Bug Fix	#9985- Clear validation is not displayed on entering incorrect data in account type meta field.
2014-11-28	Improvement	Fixed bug with a moved constructor
2014-11-28	Bug Fix	#10774- When creating an Order, adding a product causes the "Review" and "Changes" tab on the right side of the screen to disappear. Cannot create an Order. (rare issue)
2014-11-28	Bug Fix	#10485, #10486, fixed UI issues for Provisioning menu
2014-11-27	Bug Fix	#10812- Enumeration page gets distorted after deleting the enumeration.
2014-11-27	Bug Fix	#10580- Two provisioning commands are generated on adding a non-global asset to the product.

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2014-11-27	Bug Fix	#10714- Order Change Type not sticking to a Product when making a change from the drop down at the Order line level.
2014-11-27	Bug Fix	#10751- A specific company to which a Plan is associated with, is not displayed under plan tab. It reads 'Multiple' instead of company name.
2014-11-27	Bug Fix	#10772- Quantity and price of carried invoice is missing in invoice line.
2014-11-27	Bug Fix	#10732- Duplicate order period is possible.
2014-11-27	Bug Fix	#10787- Configuration > Plugins list does not show Configuration menu
2014-11-27	Bug Fix	#10557- Assets belonging to another categories are displayed at group assets creation page.
2014-11-27	Bug Fix	#10705- Card details should not be mandatory by default on creating a new customer
2014-11-27	Bug Fix	#10792- Exception occurred after clicking on show orders button at billing report which does not have any order.
2014-11-27	Bug Fix	#10798- Pre-expanded Notes field from New/Edit Customer screen does not save anywhere
2014-11-27	Improvement	Used utils class
2014-11-27	Fix test cases	Fixed failing test case for want of meta field
2014-11-27	Bug Fix	#10490- Review - Mediation Test Plan
2014-11-27	Bug Fix	#10686- Notification not displayed in the list which is occurring in last of the list when more than 10 notifications are exist.
2014-11-27	Bug Fix	#10689- Enter Design field should be enabled when you Add Attachment
2014-11-27	Bug Fix	#10625- Discount with amount greater than the order discount should not be applicable.
2014-11-27	Bug Fix	#10777- CreditLimitationNotificationTask is missing
2014-11-27	Bug Fix	#10793- BalanceThresholdNotificationTask is missing
2014-11-27	Bug Fix	#10797- Default Image for Invoice Display is an invalid image (broken image icon)
2014-11-26	Bug Fix	#10534- Status created via collection do not populate in 'Status' dropdown at customer screen.
2014-11-26	Bug Fix	#10796- Pagination for product donot work at Plan creation page.
2014-11-26	Bug Fix	#10794- List of notifications is not showing all results
2014-11-26	Bug Fix	#10795- jqGrid css file is missing
2014-11-26	Bug Fix	#7001- CDP - CDR Field + Percentage Pricing Model
2014-11-26	Bug Fix	#10780- Custom Meta Fields - Unable to Edit
2014-11-26	Bug Fix	#10632- No notification email is sent to user after product quantity exceeds consumption percentage.
2014-11-26	Bug Fix	#10356- Incorrect FK Name
2014-11-26	Improvement	Replaced old Joda-time Jar with the current version in use
2014-11-26	Bug Fix	#10768- Exception occurred on saving a product with dependency that have 'Max' value with no 'Min' value.
2014-11-26	Bug Fix	#10628- Ant tests fail on RE4.0 and TE4.0 latest branches
2014-11-26	Bug Fix	#10770- Plans filters don't work
2014-11-25	Bug Fix	#10045- XmlTransient Fix
2014-11-25	Bug Fix	#10521- Editable Plan do not work as expected.
2014-11-25	Bug Fix	#10715- Mediation UI Screen Issue
2014-11-25	Bug Fix	#10726- No validation message is displayed for selecting company while creating "Rate Card"
2014-11-25	Bug Fix	#10538- Product with asset, that is a mandatory dependency of another do not populate under 'Review' tab , when added as sub-order.
2014-11-25	Improvement	Removed unwated code
2014-11-25	Bug Fix	#10722- Pagination is not working for enumeration
2014-11-25	Bug Fix	#10280- Match was renamed to 'match_column' in sql query
2014-11-25	Bug Fix	#10589- Pricing models 'Route Based Hierarchical Rate Card/Graduated Rate Card' do not retain at product creation page.
2014-11-25	Bug Fix	#10727- Exception is displayed when user generating an invoice manually - Testing Blocker
2014-11-25	Bug Fix	#10441- 'Match' is a reserved word on MySQL
2014-11-25	Improvement	Reordered Configuration Menu in alphabetical list.
2014-11-25	Bug Fix	#10638- Error message when a reseller generates an invoice for an order with a Root company product/asset and a Child company product on it.
2014-11-25	Bug Fix	#10694- Exception occurred on saving a product of child company (Reseller / non Reseller) with product code exceeding the word limit, while editing.
2014-11-25	Bug Fix	EntityType PARTNER renamed to AGENT
2014-11-25	Bug Fix	#10756- Error message is displayed when user edit assets of child Companies product.
2014-11-25	Bug Fix	#10702- Exception occurred after clicking on 'Yes' button at notification confirmation dialog.
2014-11-25	Bug Fix	Bug fix – Fixed runtime exception
2014-11-25	Bug Fix	#10624- Validation message restrict to save an asset product order with bundled quantity.
2014-11-24	Bug Fix	#10734- No action is performed when user click on any "Tokens" present under the "Edit Notification " page.

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2014-11-24	Bug Fix	#10081- Root companys' global product and its product is not displayed at Inspect customer screen (for special pricing) of a child customer.
2014-11-24	Bug Fix	#10622- Payment method not displayed in the list which is occurring in last of the list when more than 10 payment methods are exist.
2014-11-24	Improvement	Removed unwanted code
2014-11-24	Bug Fix	#10510- "+ Change" button is not working,under the review tab at order creation page.
2014-11-24	Bug Fix	#10688- Error on saving Configuration > Email screen
2014-11-24	Bug Fix	#10326- Required field red astric (*) is not displayed corresponding to 'Processing order' field.
2014-11-24	Bug Fix	#10445- Confusing label: In root customer tab, Company field label should change to "Customer Of"
2014-11-21	Bug Fix	#10641- "Yen" and Euro currency symbols are not displaying correctly at order creation page.
2014-11-21	Bug Fix	#10432- Parent company get selected by default when user try to create a product specifying a child company.Same do not happen for other entities.
2014-11-21	Bug Fix	#10320- Credit Card Numbers should hide when Preference 37 set.
2014-11-21	Improvement	Proper typing is better
2014-11-21	Bug Fix	#10529- When editing an order line, clicking on Change button does not take user to Changes UI
2014-11-21	Bug Fix	Fixed missing method
2014-11-20	Bug Fix	#10588- Nested Search functionality do not work.
2014-11-20	Bug Fix	#9572- No notification email is sent to user after product quantity exceeds consumption percentage.
2014-11-19	Bug Fix	#10581- An unhandled exception has occurred while editing "Rate cards"
2014-11-19	Bug Fix	#10145- A specific company to which a Product is associated with, is not displayed in the product list at plan creation page. It reads 'Multiple' instead of company name.
2014-11-19	Bug Fix	#10449- Category, Product and Plan list headings need more clarity
2014-11-19	Bug Fix	#10535- Global checkbox and Company selection field is not available, when user upload assets to the product .
2014-11-18	Bug Fix	#9573- No fee is imposed (fee order is created) after product quantity exceeds consumption percentage.
2014-11-18	Bug Fix	#10654- Customer Notes are missing in Customer Inspector Screen
2014-11-18	Bug Fix	#10635- Exception in creating order on Telco 4.0
2014-11-18	Improvement	#0000 - FormattedLogger formatting was used instead of bad practice of
2014-11-18	Bug Fix	#10439- Getting Unhandled Exception from Config->Plans-> "add new"
2014-11-18	Bug Fix	#10514- Plans created in "Child company" is not visible in "Parent company" under the Plan tab.
2014-11-18	Improvement	Changes done to create order
2014-11-18	Bug Fix	#10447- Exception error when clicking save a second time before first saving action finished
2014-11-17	Bug Fix	#10478- Update TE 4.0 User Guide: Company Hierarchies - availability labeling
2014-11-17	Improvement	Removed unwanted changeset.
2014-11-17	Improvement	Fixed upgrade issues.
2014-11-17	Bug Fix	#10428- Global plan of one "Root company" should not be available in another "Root company"
2014-11-17	Improvement	Updated controllers according to the java8 upgrade documentation
2014-11-17	Improvement	Corrections made for diff against RELEASE-Telco-4.0
2014-11-17	Bug Fix	#9876- User is unable to pay invoices with "Cheque" payment method
2014-11-17	Bug Fix	#10525- On Add Product screen, no 'Categories' option is selected by default
2014-11-14	Bug Fix	#10572- Wrong Agent Validation in CustomerController.groovy causing error when saving customer
2014-11-13	Bug Fix	#10365- Edit this order' button disappear after user removes the product from the order.
2014-11-13	Bug Fix	#9951- User is unable to upload asset to the asset product
2014-11-13	Bug Fix	#8635- User can edit the 'flag' for 'Finished' status.'Flag' drop down should be disabled.
2014-11-13	Bug Fix	#10089- Report related to child company is not displayed when report is generated for it(child company) from Root company.
2014-11-13	Bug Fix	#10522- No default 'Order Statuses' is displayed in the list.
2014-11-12	Improvement	Fixed NPE, missing field
2014-11-12	Bug Fix	#10220- User is not able to create new customer type user from Users page
2014-11-11	Bug Fix	#9491- Exception occurred on clicking first/next to search mediation event.
2014-11-11	Bug Fix	#10090- End date on 'Invoice report' is displayed a day ahead than actually selected.
2014-11-10	Bug Fix	#10453- Error message is displayed when child company (Reseller) customer generate invoice for the order which contains "Asset product".
2014-11-10	Bug Fix	#10444- At company signup, password should have same validation criteria as all other customers/users

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2014-11-10	Bug Fix	#10079- User code description is not saved when user edit the user code and update the description.
2014-11-10	Improvement	Added config menu item meta data
2014-11-10	Bug Fix	#10484- Unable to create Customer on Te-4.0
2014-11-10	Bug Fix	#9982- Upgrade JB 4.0 to Java 8/Grails 2.4.3
2014-11-10	Bug Fix	#10232- Exception occurred on clicking on Inspect customer Screen.
2014-11-10	Improvement	Fixed breadcrumb issue when login for first time after db is prepared
2014-11-10	Requirement	#10259- Upgrade JB 3.3 to Java 8/Grails 2.4.3
2014-11-10	Bug Fix	#10221- Validation should be displayed when remove parent permission to 'Allow sub-account', when there's a child associated.
2014-11-08	Bug Fix	#10450- Creating an Asset results in it being displayed multiple times in list (once for every company it's available to)
2014-11-08	Requirement	0000 – Startup/shutdown scripts were modified to work with grails 2.4.3 on jenkins
2014-11-07	Bug Fix	#10433- Error message is displayed when plan is created for the child company within the "Parent Company".
2014-11-07	Bug Fix	#10468- Unable to add and delete product in plan on Enterprise 4.0 (Java 8)
2014-11-07	Bug Fix	#10201- Fields corresponding to 'Pooled' pricing model do not open. Fields of previous pricing model retains.
2014-11-07	Bug Fix	#10013- No command is generated when user change the order status
2014-11-07	Bug Fix	#10400- Exception error when: add an asset for a product to an order, then try to add more assets to the product
2014-11-07	Bug Fix	#10308- List of saved filters is not displayed on clicking on 'Load' button. No action is performed.
2014-11-07	Bug Fix	#10366- Error occurred on making payment for the customer that have payment method with optional fields.
2014-11-06	Bug Fix	#10230- Price of a product (whose pricing is changed from 'line percentage' to some pricing model) is not displayed on order page, for Active since is a past date.
2014-11-06	Bug Fix	#9958- "removed" flag was added to order change visualiation.
2014-11-06	Bug Fix	#10222- Products from 'All' categories are not displayed at plan creation page.
2014-11-06	Bug Fix	#10406- When adding a dependency to a product, Categories dropdown displays categories from other companies
2014-11-06	Bug Fix	#10008- Global products do not populate under dependencies section.
2014-11-06	Bug Fix	#9970- Pre-Paid Dynamic Balance - Payment & Invoice displayed incorrectly (for a Pre-paid scenario)
2014-11-06	Bug Fix	#10037- Exception occurred on clicking 'Add New' to add a customer, in new company.
2014-11-06	Bug Fix	#10035- Whatever be the pricing model, the label is displayed as 'Flat'.
2014-11-05	Bug Fix	Entity ID must be in the Company Hierarchy
2014-11-05	Bug Fix	#10061- Additional amount (of plan product) gets to plan parent order on saving changes at parent order 'Edit' page.
2014-11-05	Bug Fix	#10034- Exception occurred saving a new company but a company is created.
2014-11-05	Requirement	#8988- QA-QC: MySQL 4.0 Test
2014-11-05	Bug Fix	#10285- Contradictory message is displayed while child company user try to edit global product category
2014-11-05	Requirement	#9831- Global checkbox and Company selection field is not present when user add assets to the product
2014-11-04	Bug Fix	#9832- When editing an Account Type price for a product, error message displayed: "Account Type Price Could Not Be Saved"
2014-11-04	Bug Fix	#10290- Product special pricing is not deleted instantly at 'Inspect customer screen'.User have to revisit again on the 'Inspect customer screen' to verify it.
2014-11-04	Bug Fix	#10234- Plug-ins table overlapped at details preview section
2014-11-04	Bug Fix	#10343- Exception is displayed on creating a new plan
2014-11-04	Bug Fix	#10233- Page is distorted after an Account type is deleted
2014-11-03	Bug Fix	#9879- Mediation 3.0 not working.
2014-11-03	Bug Fix	#10316- Assets are not displayed under "Group Assets" bar at "New Asset" page when user try to add group of assets to the product
2014-10-31	Bug Fix	#9399- Categories at 'FUP' creation/edit page, should be displayed with ID as well. Or duplicate categories across companies should be checked.
2014-10-30	Bug Fix	#9860- Inconsistent start/end date representation between excel report and Pdf format.
2014-10-30	Bug Fix	#10341- When using the CleanHDFS step in a mediation the mediation stuck
2014-10-30	Bug Fix	#10120- Payment details not displayed corresponding to the payment method when user select any other payment method and then select the old payment method again

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2014-10-29	Bug Fix	#10044- Incorrect validation message is displayed on entering large digits in credit limit field at account type.
2014-10-29	Improvement	Improved code in ProductService.groovy as exception caused by java.lang.ClassCastException in creating order
2014-10-28	Bug Fix	#10082- Global product of one "Root company" should not be available in another "Root company"
2014-10-28	Improvement	Improved code in EntityDefaults.groovy
2014-10-28	Bug Fix	#10235- Exception has occurred when user click on "Pay Invoice" link under Payment details page
2014-10-28	Bug Fix	#10160- Account Type Notification Field - Should the Credit Value entered be allowed to exceed the Credit Limit entered?
2014-10-27	Bug Fix	#10010- Command Information should not be displayed until command is selected
2014-10-22	Bug Fix	#10088- User is not able to Delete the created payment method.
2014-10-22	Requirement	#9963 – INTRODUCED New Billing Process 3.3.1 on Enterprise 4.0.0
2014-10-22	Bug Fix	#10060- Page distort when user click on 'Delete' button to delete invoice.
2014-10-21	Bug Fix	#10140- Message required when an Account Type is created with no Payment Method
2014-10-21	Bug Fix	#9815- Delete button is not working when user try to delete an account type.
2014-10-21	Bug Fix	#9989- Fields corresponding to 'Pooled' pricing model do not open. Fields of previous pricing model retains.
2014-10-21	Bug Fix	#10149- No action is performed on clicking on 'Test' button. Process continues.
2014-10-21	Improvement	Improve the size in ran-aipp.sh and startup.sh
2014-10-21	Bug Fix	#8953- Child Entity A able to view Customers, Invoices, Payments and Orders for Child Entity B via the URL
2014-10-21	Bug Fix	#9952- Negative commission is not generated when user run commission after Unlink the payment to the invoice.
2014-10-20	Bug Fix	#10205- Remove unused preference 56 : 'Create Invoice Lines based on Order Line Tiers'
2014-10-20	Bug Fix	#10175- Preview details of the first notification is retained. Preview pane do not refresh while switching between different 'notifications'.
2014-10-20	Bug Fix	#10185- Error at login after test data accumulates or a specific tab-related scenario is built
2014-10-20	Bug Fix	#10045- A specific company to which a Product is associated with, is not displayed in the product list at plan creation page. It reads 'Multiple' instead of company name.
2014-10-18	Improvement	0000 – Improved pause in AgeingTest
2014-10-18	Improvement	0000 – Fix for shared Calendar instance bug
2014-10-18	Improvement	0000 – Joda-time library was updated to v2.5
2014-10-17	Bug Fix	#10115- Fixing update order line with asset issue
2014-10-17	Bug Fix	#9960- Create/Edit user action throws an exception if user does not have certain permissions
2014-10-16	Bug Fix	Bug Fix on Sanity for TE4.0.0 RC2
2014-10-16	Bug Fix	#9819- An unhandled exception has occurred when collection is saved successfully.
2014-10-16	Fix test cases	#10144- Test fixes, test020AssetRemovalWhenFinished
2014-10-16	Improvement	Commit for updating the module for jquery-ui.
2014-10-16	Improvement	Commit for updating the plugin
2014-10-16	Bug Fix	#9981- JMR Mediation tests fail on TE4.0 branch on MYSQL
2014-10-16	Bug Fix	#9838- Message should be displayed when user tried to create a customer using the account type which is not associate with any payment method
2014-10-16	Bug Fix	#10142- Exception error and New User required fields not marked
2014-10-15	Bug Fix	#9779- Refactored,Fixed bug about unhandled exception when user choose rule type while trying to add meta field.
2014-10-15	Bug Fix	#9816- Refreshing spinner keeps revolving when user clicks on any account type under configuration section.
2014-10-15	Requirement	Renamed as expected by requirement # 5611
2014-10-15	Bug Fix	#10038- User is unable to create Child Company, with 'Invoice as Reseller', checked
2014-10-15	Bug Fix	#10012- Unable to save customer that have ACH payment associated to it. 'Save Unsuccessful' validation restricts.
2014-10-15	Bug Fix	#10011- Exception is displayed on adding a new user.
2014-10-15	Bug Fix	#9987- Editable plan do not add on order creation page.
2014-10-15	Improvement	Parameters to EventBasedCustomNotificationTask should not be mandatory
2014-10-14	Bug Fix	#10059- Confirm dialog isn't working anymore
2014-10-13	Bug Fix	#9984- 'OrderCancellationTask' type is not present to be configured in plug-in.
2014-10-10	Fix test cases	0000 – Fix for rarely failing test
2014-10-10	Improvement	Commit for upgrading grails_2.0.3 to grails_2.4.3.
2014-10-10	Improvement	0000 – Improved pause in AgeingTest
2014-10-10	Improvement	Account Type Removal

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2014-10-09	Bug Fix	#9795- Made the OrderCancellation test delete the plugin once it is done.
2014-10-09	Bug Fix	Fixed Pooled pricing strategy UI and product categories bug(during plan creation).
2014-10-09	Bug Fix	#9841- Error message occurring for not including any product to order not gets removed after adding a product to order line.
2014-10-09	Bug Fix	#9980- Cannot create Payment
2014-10-08	Bug Fix	Bug Fix - Error in mediation, updating Records
2014-10-08	Bug Fix	#9928 and #9930: Fixed delete button bug and meta fields group details bug.
2014-10-07	Bug Fix	#9927- Details of previous meta-field is displayed when user selects another meta fields
2014-10-07	Bug Fix	Fixed bug with prepare-test on MySQL
2014-10-07	Bug Fix	#9931- Unable to make Exception and referral agents. Fields under respective section at 'agent creation' page do not open.
2014-10-07	Improvement	Moved AttributeDefinition from pricing.db to utils package
2014-10-07	Bug Fix	#9877- An unhandled exception occurred when user try to run Collection
2014-10-06	Bug Fix	#9929- An unhandled exception has occurred while user enter invalid password for login in the system
2014-10-06	Bug Fix	#9942- Customer email does not display (save?)
2014-10-06	Improvement	Added Mediation Version to the Version Page
2014-10-03	Bug Fix	#9833- User is not able to cancel account type price
2014-10-02	Bug Fix	#98190- An unhandled exception has occurred when collection is saved successfully
2014-10-02	Bug Fix	#9817- An unhandled exception has occurred when order change status is saved successfully.
2014-10-02	Improvement	Deleted remaining mediation files from descriptors
2014-10-02	Design	#8163- Mark all required fields as required in GUI
2014-10-01	Bug Fix	#9844- Unable to add plan in a purchase order. A validity validation restrict saving order with plan.
2014-10-01	Requirement	#5584- Remove mediation from EE 3.3
2014-10-01	Bug Fix	#9834- Product list is displayed inplace of category list at product category section.
2014-10-01	Bug Fix	#9822- Junk character is displayed beside the name field of "Add new plug-in" page
2014-09-29	Bug Fix	Resolved issue when next invoice date giving error when permission is not there while edit customer.
2014-09-29	Requirement	#8099- Discounts menu is not visible on master or telco branch instances.
2014-09-29	Improvement	Replaced constructor call with the static method invocation.
2014-09-29	Bug Fix	#8325- Code refactoring for AssetTransitionBI Unit test cases.
2014-09-26	Bug Fix	#9792- Issues with Telco RC - jBilling does not startup
2014-09-25	Fix test cases	Fixing Failing Tests
2014-09-25	Bug Fix	#9695- Remove Provisioning from EE 3.3
2014-09-25	Improvement	Remove PriceModelDTO reference from PriceModelWS
2014-09-25	Bug Fix	#9539- jBilling User passwords logged as clear text in jbilling.log
2014-09-24	Bug Fix	#8448- Data corresponding to current date should be displayed in historical timeline plan.
2014-09-24	Improvement	Deleted other provisioning classes * Fixed open comments in resources.xml
2014-09-23	Bug Fix	#9707- Fixes for description for preference 41
2014-09-22	Bug Fix	#9769- 'Delete Category' button not working properly
2014-09-22	Improvement	Added New LOG.Debug
2014-09-22	Requirement	#9464- Fix ant tests on Release Telco 4.0 Branch
2014-09-22	Improvement	Removed core provisioning classes
2014-09-19	Requirement	#9706- Exception occured when clicked on Review Payment button
2014-09-18	Bug Fix	#9672- Fixed the quantity and amount for order's events
2014-09-18	Bug Fix	#9627- A validation at customer level should be displayed on saving a customer that belongs to an account type that do not have any payment method associated to it.
2014-09-18	Bug Fix	#9575- Recent FUP should be added at the top of the list and not at the bottom.
2014-09-18	Bug Fix	#9574- Pagination link do not work at FUP page.
2014-09-18	Improvement	Name of the API changed as per Igor's instructions. Also the line removed will be complemented by removing the target classes folder before running this script.
2014-09-17	Bug Fix	#9656- Convert Actions from Closures to Methods
2014-09-17	Improvement	Simple demo mediation.
2014-09-16	Requirement	#9288- Invoice Public Number Generation
2014-09-16	Bug Fix	#9653- Defunct payment fields displayed on Billing Process Configuration screen
2014-09-12	Fix test cases	User and item test case fixes.
2014-09-11	Fix test cases	Fixed test cases.
2014-09-11	Bug Fix	#9620- Fix for asset in plans and refactoring
2014-09-11	Improvement	Field does not belong to the object
2014-09-10	Fix test cases	Rate cards, diameter,asset related test case fixes.

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2014-09-08	Fix test cases	Test case fixes.
2014-09-08	Improvement	Minor changes - imports, java doc corrections
2014-09-08	Fix test cases	Order test case fixes.
2014-09-08	Fix test cases	Fixed failing test case
2014-09-04	Bug Fix	#9504- No check on 'Next Invoice Date' when user creates a child customer (invoice if child=unchecked) with a different 'next invoice date' other than parent's.
2014-09-03	Fix test cases	Fixed invoice functional test.
2014-09-02	Bug Fix	#9374- ' Product Category' is displayed on the right pane overlapping the 'Order list' pane in the 'Create Order' screen
2014-09-02	Bug Fix	#9413- Audit Log button should be Default 'True'
2014-09-02	Bug Fix	#9433- Ability to turn off Scheduled Tasks from jbilling.properties
2014-09-01	Improvement	WS Files should not reference db package files
2014-08-28	Improvement	Workaround for incorrect Tab.class
2014-08-28	Bug Fix	#9424 - Pagination and Date Range filters removed when viewing Mediation
2014-08-27	Bug Fix	#9415 - Added new Validation to prevent parent and child accounts from having different billing cycle and Next Invoice Dates when the parent is to be invoiced.
2014-08-27	Improvement	WS Files should not reference db package files
2014-08-21	Bug Fix	#9415 - Fixed issue Customer Next Invoice Date not advanced with real billing run.
2014-08-19	Bug Fix	#6995-Validation message not displayed when uploading an invalid file via the 'Mediation Event File' field
2014-08-18	Improvement	#9395 - Added new Filter to find Customers by Next Invoice Date.
2014-08-14	Improvement	Added Mediation Version to the Version Page
2014-08-14	Bug Fix	#9339-Fixed Mediation preview shows the detail of mediation run details belonging to another company only by using mediation id.
2014-08-13	Bug Fix	#9200- Fixed Incorrect % calculated for SimpleTax Plug-In
2014-08-07	Bug Fix	#9282 - Fixed issue if Use Customer Next Invoice Date is uncheck and two order included in one invoice that time invoice date set wrong.
2014-08-07	Bug Fix	#6235-UI Problem in Payments Tab when click on Delete Button
2014-08-06	UI Bug Fix	Removed unwanted field from Billing Process Configuration
2014-08-05	Improvement	Fixed - missing format change entry
2014-08-05	Bug Fix	#9291 - Fixed issue Order 'Active Since' cannot be changed even after review billing review report
2014-08-05	Fix test cases	Fixed Typo
2014-08-05	code improvement	Fixed the Graduated pricing model calculation when using mediation
2014-08-04	Bug Fix	#9233 - Fix for setting invoice date as billing run date when use customer
2014-08-01	Bug Fix	#9132 - Resolved ant test clash for billing run dates between discount tests and new billing test
2014-07-25	Fix test cases	Fixed failing PeriodBasedDiscountOrder Test case.
2014-07-25	Bug Fix	9115 - Handled taxes and penalties lines for impact on customer dynamic's balance
2014-07-25	Bug Fix	Fixed bug : 9116 - CappedGraduatedPricingError
2014-07-24	Bug Fix	#9099 - Order status getting updated to finished for future prepaid orders
2014-07-23	Bug Fix	#9146 - Fixed issue Proccessor 'Name' should be displayed instead of
2014-07-23	Bug Fix	#9147 - Fixed mediation record insertion error.
2014-07-23	Bug Fix	Bug Fix: 6995
2014-07-23	Bug Fix	6881 - Fixed asterisk file format
2014-07-23	Bug Fix	#8723 - compile-app script was added to solve double compile
2014-07-23	Bug Fix	#8907 - Resolved issue Next Billable date of an order do not update
2014-07-21	Bug Fix	#8943 Fixed issue Enumeration value disappear, if user remove the values
2014-07-21	Bug Fix	Fixed issue #8942: 404 error is displayed instead of validation on de
2014-07-20	Improvement	Fixed issues in changesets
2014-07-17	Bug Fix	#9046 - Fixed issue Order gets created even when prorating is not applicable
2014-07-17	Bug Fix	#8959 - Fixed issue Child Accounts do not update Next Invoice Date.
2014-07-17	Bug Fix	#8907 - Fixed issue Next Billable date of an order do not update on
2014-07-16	Bug Fix	#9048 - Fixed issue Defunct fields displaying on Configuration / Billing process screen
2014-07-16	Improvement	Fixed issues in changesets
2014-07-14	Bug Fix	#8959 - Fixed issue Child Accounts do not update Next Invoice Date.
2014-07-14	Bug Fix	Fixed Bug: package jbilling required
2014-07-09	Bug Fix	Bugs #5837: Previous value is not retained on cancelling editing
2014-07-09	Bug Fix	#5836 - Fixed exception while saving enumeration with blank value.
2014-07-09	Bug Fix	Bug-Fixed #8938-Historic Plan do not work as expected.
2014-07-08	Bug Fix	#8818:Removed duplicate entry from user_credit_card_map table.

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2014-07-08	Bug Fix	Bug-Fixed #8878-No validation is displayed when user select future date
2014-07-08	Bug Fix	#8904 - Fixed issue 'Prorating' validation is not displayed unless a
2014-07-08	Bug Fix	#8903 - Resolved conflict.
2014-07-08	Bug Fix	Bug-Fixed #8927-Modify asterisk.xml format to add itemId field
2014-07-08	Bug Fix	#8903 - Corrected validation message.
2014-07-08	Bug Fix	Bug-Fixed #8891-Partner list is not displayed after partner added sucessfully
2014-07-07	Bug Fix	#8905 - Resolved issue product do not get on the order screen if the
2014-07-04	Bug Fix	#8863 - Fixed issue Duplicity of 'order period' should be checked
2014-07-02	Bug Fix	Bug Fixed #8858-User is able to create onetime prepaid order
2014-06-30	Bug Fix	MediationTest is now capable of change the database connection values
2014-06-27	Bug Fix	Bug-Fixed #8810-Null plan is created on clicking save changes button without entering data in any field
2014-06-27	Bug Fix	Bug Fixed #8809-Junk characters are displayed corresponding to the checkbox and textfields,does not have any lable
2014-06-26	Bug Fix	Bug Fixed #8701-Duplicate mediation gets created with duplicated name
2014-06-24	Improvement	Startup.sh script now starts app in non-interactive mode
2014-06-23	Bug Fix	Fixed ant test for running new billing test.
2014-06-23	Bug Fix	Bug-Fixed #8702-Error occurred on saving changes after inserting record for mediation run
2014-06-19	Bug Fix	#8660 - Added validation Duplicate Description is not allowed for order period
2014-06-18	Bug Fix	#8734: Minor Label Change.
2014-06-18	Improvement	Monthly Billing Cycle
2014-06-12	Bug Fix	#8469 - Plan bundles to show prorating flag.
2014-06-11	Bug Fix	#8469 - Pro-rating order changes..
2014-06-11	Bug Fix	#8469 - Order level new Pro-rating preference Options changes.
2014-06-10	Improvement	WeeklBillingCycleTest Billing run on 6 jan
2014-06-10	Bug Fix	#8469 - Renamed weekly cycle test.
2014-06-10	code improvement	Created User and Order Methods in Util class
2014-06-10	add new test case	Weekly not Pro-Rated scenarios Users
2014-06-10	Bug Fix	#8469 - Added new pro-rating options in the billing configuration screen and pro-rate checkbox in the order level
2014-06-09	add new test case	Added initial test case for semi monthly non pro rated
2014-06-09	Bug Fix	Bug Fixed #8658-User is redirected to New discount page when validation occurred on edit discount page
2014-06-09	Bug Fix	Bug Fixed #8657-Exception occurred on creating a child customer if the parent assigned to it don't have right to allow sub-accounts
2014-06-06	Bug Fix	Bug Fixed #7456-Can make a Child Account Even if Parent is not Designated to allow sub account
2014-06-06	Bug Fix	Bug Fixed #8519-Due date' sets to 3 at order history page after order is edited
2014-06-05	code improvement	A generic fall back default option should not use a feature
2014-06-05	code improvement	Added three new method in BillingProcessTestutil class
2014-06-05	Bug Fix	#8469 - Fix for weekly prepaid non prorated.
2014-06-05	code improvement	Fixed MySQL Specific issues with liquibase scripts
2014-06-05	Fix test cases	MonthlyPro-Rated all scenarios tests .
2014-06-05	Fix test cases	JMRProcessorTest suite fixed to create users correctly
2014-06-05	Bug Fix	#8469 - Fixed weekly prorating sceanario.
2014-06-04	add new test case	Weekly Billing Cycle pro-rated test case added
2014-06-04	Bug Fix	Bug Fixed #8451-Drop-down gets created when an entity is created using HTML tag in name
2014-06-04	code improvement	Added new method for creating order period
2014-06-04	code improvement	Correcting changeset in upgrade-3.2.xml
2014-06-04	code improvement	Fixed bug with the upgrade changeset
2014-06-03	Bug Fix	Product Not saved

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2014-06-03	Bug Fix	#6995-Validation message not displayed when uploading an invalid file via the 'Mediation Event File' field
2014-06-03	Bug Fix	#7456-Can make a Child Account Even if Parent is not Designated to Allow Sub Accounts
2014-06-02	Bug Fix	#8517-Unable to edit data-type of a meta-field. 'Data-type' drop-down do not open at 'edit' page
2014-06-02	Bug Fix	#8435-Plan do not save after validation for 'Included quantity' is displayed on updating and saving a plan.
2014-06-02	Bug Fix	#7740 -Future-dated plan order adds one-time products to current period order
2014-06-02	Bug Fix	#6714-Credit card edit does not save when card number masked
2014-05-30		#8451-Drop-down gets created when an entity is created using HTML tag in name
2014-05-28	Bug Fix	#8499 - Unable to delete a plan.
2014-05-27	Bug Fix	#8267-Asterix's are not displayed to represent first 12 digits of credit card at payment page
2014-05-26	Bug Fix	#8498-Incorrect label is displayed for 'payment id' that is linked to refund
2014-05-26	Bug Fix	#8497-Exception occurred saving a discount with non-numeric rate
2014-05-26	Bug Fix	#8500-Exception occurred on using invalid product id to run 'Product Subscribers' report
2014-05-26	Bug Fix	#8513-Status of deleted customer remains 'Active' in customer list
2014-05-26	Bug Fix	#8431-User is not able to add mediation
2014-05-26	Bug Fix	#8431-User is not able to add mediation
2014-05-23	Bug Fix	#5865- Deleted customer shows up in the list
2014-05-23	Bug Fix	#8044 - Fixed issues with previous commit
2014-05-21	Bug Fix	#8044 - No validation is displayed when partially selecting discount application - 1
2014-05-20	Bug Fix	#7995-Removed % product from plan-100 testcase
2014-05-19	Bug Fix	#2161-Save only +ve non zero exchange and system rates for currency
2014-05-19	Requirements	#8021-Currency fields default values and sort order
2014-05-19		#5687: Review and respond to PortSwigger Security Scan Results
2014-05-13	Bug Fix	#7986-User cannot save enumeration after deleting a random enumeration value. User can remove values only in its descending order
2014-05-14	Bug Fix	#8294 - The leading and trailing spaces will be removed (user name) before querying the DB
2014-05-14	Bug Fix	Bug Fixed: #7995-Removed percentage line product and percentage test from plan ID-100
2014-05-13	Bug Fix	#7985-Exception occurred on clicking on 'Partners' tab after filtering partner by 'Login Name'
2014-05-13	Bug Fix	#7986-User cannot save enumeration after deleting a random enumeration value. User can remove values only in its descending order
2014-05-13	Bug Fix	Added Event Date resolution step by event date field
2014-05-13	Bug Fix	#2161-Description' of product is not displayed at order page when set the System rate is zero of the active currency
2014-05-12	Bug Fix	#5865 customer delete filter is visible and set to no by default
2014-05-10	Bug Fix	Bug Fixed #7964 - No Validation appear during wrong partner id like alphanumeric partner id
2014-05-09	Bug Fix	#7964 - No Validation appear during wrong partner id like alphanumeric partner id
2014-05-09	Bug Fix	#8311-Inaccurate error message prevents adding a currency
2014-05-06	Bug Fix	#7995-Plan ID-100- removed from test data due to percentage plan item
2014-05-06	Bug Fix	#6423-Partial Refunds: Not possible with 3.2
2014-05-06	Bug Fix	#7982-Webpage not found' is displayed on downloading an invoice pdf, if there is no invoice logo in system. A validation is needed rather
2014-05-02	Bug Fix	#8269-User is not able to enter the amount in payment amount field after selecting the invoice radio button
2014-05-02	Bug Fix	#8023-No validation or message on Product Subscribers 'Product ID' field
2014-05-02	Bug Fix	#7999-After partial refund, workflow to refund remaining payment broken
2014-05-01	Bug Fix	#7050-Filter settings for one company get applied to all companies
2014-05-01	Bug Fix	#8023-No validation or message on Product Subscribers 'Product ID' field
2014-04-21	Enhancement for build cruise	Fix to allow CC builds run separately
2014-04-21	Bug Fix	#7963-Error: Different range appear for included quantity attribute
2014-04-17	Bug Fix	#8021-Currency fields default values and sort order
2014-04-16	Fix test cases	test014UserBalancePurchaseTaskHierarchical was disabled to be failing inconsistently
2014-04-16	Fix test cases	test014UserBalancePurchaseTaskHierarchical was changed in order to align it with other tests
2014-04-16	Fix test cases	Removed deprecated use of @Cascade(DELETE_ORPHAN).
2014-04-15	Enhancement for build cruise	When running on CC, the application is now starting with the -noreloading argument
2014-04-15	Bug Fix	7920 - The exception is correctly handled
2014-04-14	Bug Fix	#7779 - when product is cancelled, the user is redirected to product list
2014-04-14	Enhancement for build cruise	Changed application name in remote-beans, so that there is a different application per build

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2014-04-14	Bug Fix	#4817 - Deleting an enumeration was not showing the successful message
2014-04-11	Bug Fix	bug fixed for populating customer status on customer list
2014-04-10	Fix test cases	Trying to fix broken build.
2014-04-10	Fix test cases	Trying to fix broken build. Attempt number 3. Lucky number
2014-04-10	Fix test cases	Trying to fix broken build. Attempt number 2
2014-04-10	Fix test cases	Trying to fix broken build
2014-04-10	Bug Fix	#8015 -Email template issue solved
2014-04-10	Bug Fix	#7338 - Added a javascript fix for - Tabs are not properly located on page in case of large number of tabs on screen.
2014-04-08	Bug Fix	#8004-Two different validation messages are displayed for invalid value in 'Percentage' field for a product
2014-04-08	Bug Fix	#8027-Exception occurred saving a plan with notes with word limit exceeding 256 characters. Whereas word limit is 500 characters
2014-04-08	Bug Fix	#7815 - Resolved issue Payment Notification method Token does not work
2014-04-04	Bug Fix	#3184 - Wrong customer's balance is displayed when edit any added payment with refunded payment.
2014-04-04	Bug Fix	#5537 - Validation failure for ContactWS.CountryCode. Solving issue in @Pattern validation that makes the country field mandatory
2014-04-02	Bug Fix	#7962-Error: multiple same type product added on a plan during edit
2014-04-02	Bug Fix	#7975: Saving invalid credit card number while validation appearing for invalid credit card number.
2014-04-02	Bug Fix	#7973: Plan Products in a Purchase Order have fields which change when Update is Clicked.
2014-04-02	Bug Fix	#7975: User cannot save customer, after its credit card details are deleted.
2014-04-01	Bug Fix	#7964: check for invalid value for partner
2014-03-27	Bug Fix	Null pointerexception resolved for create Order having only product
2014-03-27	Bug Fix	#7897: When plan added to an order, products in the plan are not visible
2014-03-27	Bug Fix	#7927: New Collections Configuration has Unintuitive Behaviors: fix for unexpected checking of all checkboxes in added row, set focus on 'For Days' input field in added row and explicitly set checkboxes to unchecked state in added row
2014-03-26	Bug Fix	Resolved issue related to mysql script max call
2014-03-25	Bug Fix	MySQL ratecards: 'match' is a keyword in MySQL
2014-03-05	Bug Fix	Hadoop Reducer commit transaction periodically. Update hbase in reducer.
2014-02-26	Bug Fix	truncate date in CurrentOrder. Clear Session in Reducer
2014-03-23	Bug Fix	Discounts tab made the last tab
2014-03-23	Bug Fix	Temporary fix with inject recods, expects record key at end
2014-03-21	Bug Fix	fixed the API calls getUsersInStatus & getUsersNotInStatus
2014-03-21	Bug Fix	#7210: Default Value' for a meta field is not displayed.
2014-03-21	Minor improvement	#7750: Trigger Ageing via UI: show/hide setting was added to jbilling.properties
2014-03-11	Bug Fix	#7531: Inactive currencies can be selected (several fields) and a duplicate field
2014-03-21	Minor improvement	#7816: Change "Ageing" to "Collections"
2014-03-20	Bug Fix	#5537: Validation failure for ContactWS.CountryCode (Should be min. 2 Characters, optional)
2014-03-20	Minor improvement	#7750: Trigger Ageing via UI : "aging" was updated to "collections" and confirmation dialog was added
2014-03-12	Bug Fix	#7082: When a discount is changed on an unsaved order the change does not get applied
2014-03-11	Bug Fix	Fixed Plan Reports related issues
2014-03-11	Bug Fix	#7531-Inactive currencies can be selected (several fields) and a duplicate field
2014-03-06	Bug Fix	#7082: Discounts Tab UI issues fixed
2014-03-06	Bug Fix	#6983: You should not be able to edit a discount order.
2014-02-28	Bug Fix	#6881: Mediation records are not generated on running mediation after uploading a file.
2014-02-28	Minor improvement	Restore not available on the Release 3.3 versions
2014-02-28	Bug Fix	#6628: 'Pooled Item Id' is not displayed for pooled product in a plan. Hence ,restricting updating a pooled item in plan. Hence ,restricting updating a pooled item in plan. * addDate function was missing reinitialization of priceModelData
2014-02-26	Minor improvement	#7304: changed how we manage transactions in the reducer
2014-02-25	Bug Fix	#7469: Error editing a Discount

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2014-02-25	Bug Fix	#7546: On order screen, Discounts tab should be moved to far right
2014-02-25	Bug Fix	#7547: Customer list does not indicate which customers are deleted
2014-02-24	Bug Fix	#7508: Made changes to fix Null Pointer Exception thrown while creating a customer with payment info
2014-02-24	Bug Fix	#7319: Billing run will not work - Error message received
2014-02-22	Bug Fix	#7467: user_id is not populated in event_log for 'A purchase order as been manually applied to an invoice'.
2014-02-20	Bug Fix	Bug Fixed Code Improvement
2014-02-19	Bug Fix	#7516: Improper message is displayed on saving an order with discount, when discounted amount is greater than the order amount.
2014-02-19	Bug Fix	#7500: Ageing Balance Detail report broken due to integer overflow
2014-02-13	Bug Fix	Resolved duplicate id in changeset error for MySQL db.
2014-02-12	Bug Fix	#7346: modified gsp file to resolve exception 'java.lang.NullPointerException: Cannot invoke method toUpperCase() on null object'
2014-02-12	Minor improvement	#7315: Resolved 404 error occurred on clicking 'View History' button for a product. Added view history related code base.
2014-02-12	Bug Fix	#6628: Resolved problem of 'Pooled Item Id' was not displayed for pooled product in a plan. That was restricting updating a pooled item in plan.
2014-02-12	Minor improvement	#7433: Restricted deleted Customers from creating an order.
2014-02-04	Bug Fix	#6538: Ageing Steps displayed in the same order they were entered.
2014-02-04	Bug Fix	#7360: Displayed complete list of customers if any customer updated.
2014-02-03	Bug Fix	#7328: Displayed necessary Field/check-box that was missing for 'Percentage' and 'Period-based' discounts.
2014-02-03	Bug Fix	Resolved Compilation Error-SureTaxCompositionTask.java
2014-01-31	Bug Fix	#7286: Resolved the update button on Plan GUI that was not functional .
2014-01-30	Bug Fix	#6764: Corrected spelling on Customer Preview pane to 'owed'.
2014-01-29	Bug Fix	#7356: Added getters & setters in InvoiceLineDTO to populate order_id column.
2014-01-28	Bug Fix	#6796: Avoid generating credits on review invoices.
2014-01-27	Bug Fix	#7119: Corrected Ageing Process Errors - Moving Clients through steps Incorrectly/Early.
2014-01-27	Bug Fix	#7319: Resolved billing process run issue that was giving error message Billing Process did not run. A Billing Review Report may be in Generated status. if run billing process with uncheck Generate Review Report checkbox.
2014-01-27	Bug Fix	#6934: Billing Process screen removed 2 fields 'Number of Retries' and 'Number of Days Between Retries'.
2014-01-25	Bug Fix	#7314: Resolved exception that occurred clicking on 'Inspect Customer' icon.
2014-01-23	Bug Fix	#7051: Added a check for customers with no invoices are not displayed in has invoices filter.
2014-01-23	Bug Fix	#6665: Added validation message "Save unsuccessful. Please give each Ageing Step a unique name" while trying to save an empty Ageing entity step.
2014-01-23	Bug Fix	#6884: Fixed to show text field or items displayed while creating pooled product that wasn't earlier.
2014-01-21	Bug Fix	#7084: Discount Period Value and 'Is Percent' check lost on Edit resolved the same.
2014-01-21	Bug Fix	#7220: Second Meta Field displayed on right with Edit button that wasn't earlier causing unable to update the meta field. Resolved the same.
2014-01-21	Enhancement	#6914: Enhanced notes (with historic record, title/message body).
2014-01-20	Bug fix	#7052: Corrected Deleted filter on customer screen. Showed correct status of the deleted customer.
2014-01-20	Enhancement	Improved UI clarity for users. Changed the Discounts tab / Add New / Discount Type dropdown labels: from 'Amount' to 'One-time Amount' from 'Percentage' to 'One-time Percentage' from 'PeriodBased' to 'Recurring PeriodBased'
2014-01-17	Bug fix	#6882: Corrected UI of section that was getting distorted while adding new record in mediation.
2014-01-17	Bug fix	#7081: A discount applied while editing an order does not take effect.
2014-01-16	Bug fix	#6688: Corrected ' Days for order notification' field to accept 12 digit.
2014-01-16	Bug fix	#6934: Billing Process screen: removed 2 fields 'Number of Retries' and 'Number of Days Between Retries' fields are redundant.
2014-01-16	Bug fix	#6897: Corrected rate field validation in discount screen to accept fraction up to 4.
2014-01-15	Bug fix	Fixed error creating at customer.
2014-01-15	Bug fix	#7047: Corrected Filter menu label.
2014-01-14	Bug fix	#7054: The login name value made case insensitive when creating a new User (Customers > Add New), such that 'admin' and 'ADMIN' and 'Admin' are all same.
2014-01-14	Bug fix	#7119: Corrected Ageing Process Errors - Moving Clients through steps Incorrectly/Early.

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2014-01-13	Bug fix	Fixed SimpleMediationExample processor.
2014-01-13	Bug fix	#7035: Corrected list of customers that was not getting displayed on report on running 'Top Customers' report name.
2014-01-09	Bug fix	#6685: 'Failed to add new breadcrumbs..' is displayed on giving long 'Role Name'. Resolved the same.
2014-01-08	Bug fix	#5651: Corrected HBase audit logging .
2014-01-06	Bug fix	#7083: Fix for expired discounts, that should not display in discounts tab.
2014-01-04	Bug fix	#6992: Data from only the company that the user is logged into would displayed in report.
2014-01-04	Bug fix	#6306: Accepted only 12 digit numeric value under included quantity.
2014-01-03	Bug fix	#4857: Enumeration can't be removed anymore if used in a MetaField of an Entity.
2014-01-02	Bug fix	#2327: Default Blank setted on Payments and Invoices Total Reports for dates that was NULL earlier.
2013-12-31	Bug fix	#7036: Rate is not available for all PriceModels so validation has to be done only when available.
2013-12-31	Bug fix	#6229,#6231: Breadcrumbs of Payment, Partner, Invoice, Order and Customer now open the selected item on right and on the list on left is shownonly a row with the selected items. Search box on top right now has option with ID shown: Customers -> Customer ID Invoice -> Invoice ID
2013-12-30	Bug fix	#7058, #5790: Solved problems about subaccounts right list pagination and csv creation.
2013-12-30	Bug fix	# 5858: Fixed issue with the Key translation for hbase.
2013-12-24	Bug fix	#7021, Fixed pagination, csv issues on billing review order list
2013-12-24	Bug fix	Fix for Ageing Configurations Crossing over Multiple Companies
2013-12-20	Bug fix	#5730: Fixed Calendar re-appears across the application even after the date is selected in IE 10.
2013-12-18	Bug fix	#6992:Resolved the reports displaying data from all companies.
2013-12-17	Bug fix	#6983: Resolved exception error when changing Active Since on a system generated Discount order.
2013-12-17	Bug fix	#6574-Exception occurred on adding blank category.Resolved error related to parent category set and update functionality
2013-12-17	Bug fix	#6649, Modified validation message while deleting discount.
2013-12-16	Minor improvement	#6896: Page UI and section heading are displayed properly on History page.
2013-12-10	Bug Fix	#6436-Corrected Unnecessary query for preferredTestQuery in resources.
2013-12-06	Bug Fix	#6836: Fixed Credit Card Information did not Transfer to Authorize.Net
2013-12-04	Bug Fix	#5719: Displayed error message if user try to delete parent account with children.
2013-12-04	Bug Fix	Added missing View History label.
2013-12-04	Bug Fix	Corrected liquibase scripts for Oracle database for 30 character column length.
2013-12-02	Bug fix	Resolved problem of Billing Process generating invoices in advance or more frequently. Also fixed invoice period for leap/year/Month end differences.
2013-12-02	Bug fix	Resolved exception that was occurred on entering non-numeric data in Rate field for discount.
2013-12-02	Bug fix	Suitable validation added to limit it to 2 decimals for Discount rate field.
2013-11-29	Bug fix	Dispalyed proper customer account status. When Customer account is suspended, Status field on order still displays Active, resolved the same.
2013-11-26	Bug fix	Fix for long numeric value check on pricing strategies.
2013-11-25	Bug fix	Resolved exception that occurred running any report. Set property for JasperRerpots to work, for some twisted XWindows issue.
2013-11-20	Bug fix	Resolved issue while unable to add desired multiple discounts. New set of 'Discount' drop-downs appear to enable adding new discount.
2013-11-20	Bug fix	Corrected validation message for discount deletion. Can not delete discount if it is already in use.
2013-11-19	Bug fix	Resolved issue 'Pooled Item Id' not getting displayed for pooled product in a plan & hence,restricting updating a pooled item in plan.
2013-11-19	Bug fix	Handled exception occurred searching a non-existing customer.
2013-11-19	Minor improvement	Validated ageing steps for unique days.
2013-11-19	Bug fix	Fixed a blank page opens on adding invalid 'Contact Type'.
2013-11-18	Bug fix	Fixed customer notes UI to validate title & content for only whitespaces.
2013-11-18	Bug fix	Active currencies displayed in 'Currency' drop-down while adding a product.
2013-11-14	Bug fix	Displayed proper validation on entering non-digit data as 'Period' Period based' discount.
2013-11-14	Bug fix	Fixed discounts tab on order builder that was keep adding in an order with every click on '+' icon, instead of showing a new set of discount drop-down.
2013-11-12	Bug fix	Handled exception with an error message that was occurred on saving a customer that includes alphabets in 'Parent Id'.

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2013-11-11	Bug fix	Handled server error a proper validation message displayed for non-existing user ID as "parent ID", while creating a 'customer'.
2013-11-06	Bug fix	Handled exception occurred on adding a new category with the name of an already existing category.
2013-11-05	Enhancement	Enabled hbase audit logging.
2013-10-17	Enhancement	Report Module enhancements - Pre-processed parameters.
2013-10-15	Minor improvement	Font Verdana replaced by SansSerif in total_invoiced_per_customer_over_years report.
2013-10-15	Minor improvement	Corrected Application Version.
2013-10-15	Bug fix	Fix for processing of invoice status.
2013-10-15	Bug fix	Fix for error while adding product category.
2013-10-15	Minor improvement	Added debug statements.
2013-10-14	Minor improvement	Aligned Title, content boxes of customer notes dialog box. Fixed UI bugs with customer notes.
2013-10-14	Minor improvement	Included post_base changeset from PrepareTestDB as well.
2013-10-14	Bug fix	Fixed ui bugs for pooled pricing strategy. Pooled Item Id field of Pooled pricing was empty while saving changes and save changes button of prices UI was disable.
2013-10-14	Bug fix	Removed problem of stopping tests in half way.
2013-10-14	Minor improvement	Print additional test debug data.
2013-10-10	Bug fix	Fixed gsp runtime issues, added validation on max rate length.
2013-10-09	Bug fix	Augmented Item Resolution to resolve based on input Parameter.
2013-10-09	Bug fix	Fix for included scripts do not load problem.
2013-10-08	Bug fix	Fixed exception at customer inspect page.
2013-10-08	Minor improvement	Sorted Credit Cards.
2013-10-08	Bug fix	Fixed products/plan tab filters not working on order builder screen.
2013-10-08	Bug fix	Fixed saving of product without description & product code.
2013-10-08	Bug fix	Fixed invoice status after unlinking invoice-payment.
2013-10-08	Bug fix	Added missing import in Order builder.
2013-10-08	Bug fix	Fixed NoSuchMessageException by adding message for bean.OrderWS.
2013-10-07	Bug fix	Fixed configuration view.
2013-10-04	Bug fix	Removed product dependency gui file.
2013-10-03	Bug fix	Removed Asset layout.
2013-10-03	Bug fix	Fixed Runtime exception on javax package. Also fixed PaymentSQL.java
2013-10-01	Minor improvement	Normalized changesets for mysql compatibility.
2013-10-01	Minor improvement	Corrected independence for sqls.
2013-09-30	Bug fix	Fixed Assertion issues, used same scale for BigDecimal assertions.
2013-09-29	Bug fix	Fixed Test case failures.
2013-09-28	Bug fix	Corrected permissions on files * scripts/*.groovy required executable permissions. * jar files require read permission.
2013-09-27	Bug fix	Resolved test case compilation issues.
2013-09-26	Bug fix	Used Java 1.6 version of avatax4j.jar.
2013-09-26	Bug fix	Fixed Test case failures.
2013-09-25	Minor improvement	Added exception logging.
2013-09-24	Bug fix	Fixed upgrade file and diameter tests.
2013-09-23	Bug fix	Integration with the Avalara Tax service.
2013-09-23	Bug fix	Avoid committing a transaction that may not be started on the same block.
2013-09-23	Bug fix	Resolve issue of Dynamic Balance not getting updated correctly.
2013-09-23	Bug fix	Fixed preference for diameter tests.
2013-09-23	Bug fix	Unhandled Exception causing calls to fail.
2013-09-23	Bug fix	Avoid currency conversion if price was already determined.
2013-09-23	Bug fix	Avoided logging exception when price is not found.
2013-09-23	Bug fix	Unhandled Exception causing calls to fail.
2013-09-23	Bug fix	Call barred if the price is not determined.
2013-09-23	Bug fix	Resolved exception when no match is found.

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2013-09-23	Bug fix	Chained rate cards of same currency fail.
2013-09-23	Bug fix	Call Setup charge not working correctly.
2013-09-23	Bug fix	Non zero call setup charge cause java exception.
2013-09-23	Bug fix	Fixed sipNumberExtractor.
2013-09-23	Enhancement	Imported the Avalara Tax service. Added table upgrade.
2013-09-21	Bug fix	Resolve assert errors related to different decimal scales.
2013-09-20	Enhancement	The Order Details screen called 'Show/View Events' that would show everything that was related to that CDR, now that get the information from HBase not Postgres. Added checks for already committed or rolled back transaction. Fixed bugs for validateMultiplePurchase test case.
2013-09-20	Bug fix	Fixed script for migrating mediation records to Hbase.
2013-09-20	Bug fix	Fixed related to single CDR/JMR processing
2013-09-20	Bug fix	Refactored of med 2.0 code to fit the new way of preserving mediation records.
2013-09-20	Bug fix	Changes for med 2.0 code to eliminate usage of MediationRecordDTO.
2013-09-20	Bug fix	Removed most of the MediationRecordDTO usage.
2013-09-20	Bug fix	Fix for displaying mediation events by process and status.
2013-09-20	Bug fix	Fix for the mediation process record counters.
2013-09-20	Bug fix	Added Missing enteries for plan items. Test Fixes related to decimal values comparision on different scale.
2013-09-18	Bug fix	Error Resolved related to user contacts
2013-09-18	Bug fix	Added columns in database. Removed notes from CustomerDTO.java
2013-09-14	Bug fix	Fixed configuration file issues.
2013-09-12	Bug fix	Added context to changeSet.
2013-09-12	Bug fix	Fixed notification id after merge.
2013-09-12	Bug fix	Payments/Adjustments Notification. Fixed changeSet.
2013-09-11	Bug fix	Fixed font error on report. BugFixed several reports.
2013-09-11	Bug fix	Removed unwanted upgrade 3.1 xml
2013-09-10	Bug fix	Removed AsseWS uses in TestWS.java file.
2013-09-05	Bug fix	Resolved exception when serached using top serch icon of the page.
2013-09-04	Bug fix	Resolved bug when creating order for customer with non-English language.
2013-09-04	Bug fix	Removed unwanted alerts.
2013-09-03	Bug fix	Price do not change according to historical timeline based Plan and Product if the product/plan quantity is switched to zero an back to any quantity.
2013-08-27	Bug fix	IsParent value does not save as part of a saved filter.
2013-08-21	Bug fix	api.validateCreditCard() with Level 3 throws NullPointerException resolved.
2013-08-20	Bug fix	Modified invoice status change after apply payment.
2013-08-17	Bug fix	Onetime orders should not be billed in advance corrected.
2013-08-15	Bug fix	Volume Pricing Model not working Correctly on Plan.
2013-08-13	Minor improvement	Added Class constructor.
2013-08-13	Bug fix	Fixed Discount Test Case.
2013-08-09	Minor improvement	Removed leadind and trailing spaces from enumeration values.
2013-08-09	Minor improvement	Previous value is not retained on cancelling editing and enumeration with blank value is saved, even after showing validation.
2013-08-08	Bug fix	Fixed exception while saving enumeration with blank value.
2013-08-07	Bug fix	Resolved Invoice amounts did not set correctly when an exsiting Invoice was selected on the Payment screen.
2013-08-07	Bug fix	Meta field with spaces is name gets saved, fixed.
2013-08-07	Minor improvement	Billing configuration saved successfully' message is not displayed with yellow sign on successfully running billing process.
2013-08-06	Minor improvement	Showed warning message when subscribing to multiple plans that contain a repeated product.
2013-08-05	Minor improvement	Resolved products lists do not appear on screen.
2013-08-05	Minor improvement	Cannot set the parent to the Customer's own child in account hierarchy.
2013-08-02	Bug fix	Fixed for Partner contact information not displayed correctly on show page.
2013-08-02	Bug fix	Fixed error while saving new contact type.
2013-08-02	Bug fix	Correction for user was unable to get his paid amount refunded.
2013-08-02	Bug fix	Fix for Rate Card header validation giving exception.
2013-08-01	Bug fix	Set order period descriptions in OrderPeriodWS.
2013-08-01	Bug fix	Resolve preferences not being updated.
2013-08-01	Improvement	Added getOrderPeriods API.
2013-08-01	Bug fix	System not showing historical rate for plan bundle item on order UI.
2013-07-31	Bug fix	Fixed null pointer exception for invoices with delegated invoices.

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2013-07-31	Bug fix	Fixed for phone country code and area code on customer UI.
2013-07-31	Minor improvement	Update messages.properties
2013-06-11	Bug fix	Corrected db changesets for Suretax as these were giving error with init.
2013-05-09	Bug fix	Modifications made to remove auto_payment column.
2013-05-09	Minor improvement	Corrected #mysql, some databases does not support more than 4 digits in the year part of a date field.
2013-05-09	Minor improvement	Changeset corrections to be able to run them on MySQL.
2013-05-07	Bug fix	Fix logging in jBilling 3.2 (grails 2). Log4j configuration is now in config.groovy only.
2013-05-07	Bug fix	Added OwnInvoice to CSV format updated OrderUpload.java to parse additional attribute.
2013-04-29	Bug fix	Invoice Date and Invoice Due Date are Incorrect. Made the preference 31 default to blank and handled possible user entry errors into that field.
2013-04-25	Improvement	Added Rate cards – breadcrumb functionality.
2013-03-02	Bug fix	Add additional fields to account screen display.
2012-11-16	Improvement	Modified jBillingAPIFactory to allow API Query using String name.

Version: 3.2.1

Date: 2013-08-16

Date	Change type	Description
2013-08-15	Bug fix	Resolved issue of price was not changing according to historical timeline based Plan and Product if the product/plan quantity was switched to zero and then back to any quantity.
2013-08-14	New feature	Corrected Volume Pricing Model which was not working correctly on Plan.
2013-08-13	New feature	<p>Added additional fields to account screen display.</p> <p>Added new API's.</p> <p>* InvoiceWS[] returns list of Invoices.</p> <p>* OrderWS[] getUserOrdersPage(Integer user, Integer limit, Integer offset) returns list of OrderWs.</p> <p>* removeAllPaymentLinks(Integer paymentId): Removes all payment links for the given payment Id.</p> <p>* PaymentWS[] getUserPaymentsPage(Integer user, Integer limit, Integer offset) returns PaymentWS.</p>
2013-08-09	Bug fix	Saving "Enumeration" values removing leading & trailing spaces & also removed unwanted imports.
2013-08-09	Bug fix	Fixed problem of previous value was not retained on cancelling editing and enumeration with blank value saved, even after showing validation.
2013-08-08	Bug fix	Resolved problem of price was not changing according to historical timeline based Plan and Product, if the product/plan quantity is switched to zero and then back to any quantity. Now price changes.
2013-08-08	Bug fix	Set order period descriptions in OrderPeriodWS.
2013-08-07	Bug fix	Fixed exception while saving enumeration with blank value.
2013-08-07	Bug fix	Resolved problem of Invoice amounts was not setting correctly when an existing Invoice was selected on the Payment screen.
2013-08-07	Bug fix	Provided validation for blank Meta Fields.
2013-08-07	Bug fix	Billing configuration saved successfully' message is not displayed with yellow sign on successfully running billing process.
2013-08-07	Bug fix	Prompted validation message for Billing Process "Billing Process did not run. A Billing Review Report may be in Generated status." if Billing Process has already run.
2013-08-05	Bug fix	Cannot set the parent to the Customer's own child in account hierarchy.
2013-08-02	Bug fix	Fix for Partner contact information not displayed correctly on show page.
2013-08-01	Bug fix	Now able to save Contact Type without having to specify description in all languages.
2013-08-01	Bug fix	Resolved problem for user was unable to get his paid amount refunded.
2013-08-01	Bug fix	Provided validation for wrong file format when added to Rate Card.
2013-08-01	Bug fix	Resolved problem of Preferences not being updated.
2013-08-01	Bug fix	Added OwnInvoice to CSV format updated OrderUpload.java to parse additional attribute.
2013-08-01	Requirement	Upload order tool, upload ant script and upload order test.
2013-08-01	New feature	Added getOrderPeriods API.
2013-08-01	Bug fix	System now showing historical rate for plan bundle item on order UI.

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2013-07-31	Bug fix	Provided validation while creating a customer with having non-numeric data either in country or area code field of "phone number".
2013-07-31	Bug fix	Fixed null pointer exception for invoices with delegated invoices.
2013-07-30	Minor improvement	Updated confirm delete message for deleted partner.
2013-07-29	Bug fix	Fixed errors on signup page while trying to create new company.
2013-07-22	Minor improvement	Fixed validation size upper limit for phone number field. Corrected validation field lengths to match database lengths.
2013-07-12	Minor improvement	Fix for products getting displayed in two tables, closed column2 section on pagination and show all links while displaying products in column 1.
2013-07-11	Bug fix	Resolved double payment issue in case of any exception from payment gateway.
2013-07-10	Bug fix	Fixed for 'Null' value getting displayed on the downloaded invoice PDF.
2013-07-09	Bug fix	When running a review report, the next invoice date not matters, invoices gets generated based on the PO's.
2013-07-05	Bug fix	Pagination issue which was not working at product screen.
		Commented Array Index based tests - likely error prone or obsolete
2013-07-03	Bug fix	* These tests are most likely obsolete or else the expected sorting logic has changed. * Tests fixed or discarded. * Plan order creation does follow an order in which order lines are created and order line ids are assigned, but there is no guarantee.
2013-06-28	Bug fix	Fixed null pointer exception for invoice design.
2013-06-27	Bug fix	Modified BasicOrderPeriodTask to avoid considering future postpaid task.
2013-06-24	Bug fix	Resolved problem of saved ACH info was not getting displayed at 'New Payment' page.
2013-06-10	Bug fix	Fixed BillingProcessTest added getBillingProcessStatus(Integer entityId)
2013-06-07	Improvement	Disabled the " Pay Invoice " button for the Carried Invoice and 0 Balance .
2013-06-06	Bug fix	Corrected testPlan() test case sorted order lines based on description.
2013-06-04	Bug fix	The integer metafields made working when creating a products..
2013-05-29	Bug fix	Implemented checking of isBillingRunning for multiple companies using entityId. That resolved problem of Billing Process running for multiple companies at the same time.
2013-05-28	Enhancement	It is possible for the products within a plan to be edited on the purchase order in the same way that the Plan 'product' is. It is possible to edit the quantity, price and description for every product on the plan when it is added to a purchase order.
2013-05-24	Bug fix	Resolved problem of jbilling-api.jar missing classes: UserWS - UserDTOEx - UserDTO
2013-05-24	Bug fix	Removed changes for Extracted distinct ccf records to handle NonUniqueResultException".
2013-05-23	Bug fix	Resolved PDF Download Issue. Updated validation message 'PDF Output not Set Up. Please refer to the user guide for instructions Check if logo file exists under Configuration -> Invoice display'.
2013-05-22	Bug fix	Modified InvoiceWS to keep details about BillingProcessWS if available.
2013-05-22	Bug fix	Modified getUserId API method for null checking
2013-05-15	Improvement	Hided deleted filter.
		One configuration for all logging requirements. To log everything including and above DEBUG levels to go into jbilling.log.
2013-05-07	Bug fix	The server log or grails console only show server logs, not jbilling application logs.
2013-05-07	Bug fix	Fix for Customer deleted filter not working well. Corrected the fix for deleted filter on customer listing as it was giving NPE in some cases.
2013-05-03	Bug fix	Fixed issues with pdf generation for parent-sub account users.
2013-04-30	Bug fix	Resolved problem of admin user was unable to remove a customer from the blacklist.
2013-04-30	Bug fix	Corrected Total Invoiced in the billing process results.
2013-04-29	Bug fix	When an invoice is generated, the Invoice Date reflects either the Billing Cycle Date (process date), or the oldest period on the invoice. The due date reflects the number of days after the Invoice Date that payment is expected by. Made the preference 31 default to blank and handled possible user entry errors into that field.
2013-04-26	New feature	Added the breadcrumb functionality to the Rate card section to the following actions Index, Show, List, Edit, Rates.
2013-04-24	Minor improvement	Removed buttons: 'Pay Invoice', 'Download PDF', 'Send email' from Review invoices.
2013-04-24	Bug fix	Fix for long duration of repeat interval for tasks for pluggable tasks.
2013-04-12	Bug fix	Resolved problem of cannot Edit Customer Screen after Credit Card Information is entered.
2013-04-12	Bug fix	Resolve issue when a price is changed of an item in an one-time order and the quantity stays the same jBilling does not update the customers dynamic balance correctly.
2013-04-12	Bug fix	When an Order is edited with a new Price, the event is fired DynamicBalanceManagerTask modified to listen to this event. Therefore, dynamicBalance will be impacted if the price is changed.

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2013-04-11	Bug fix	Proper validation message displayed when update any mediation after entering invalid data into Order field. Added validation message "Order field must be numeric and cannot be empty".
2013-04-11	Bug fix	Fixed issue for price field was not showing '%' symbol for line percentage product in invoice line section after generating invoice.
Version: 3.2 Date: 2013-03-09		

Date	Change type	Description
2013-04-09	Bug fix	Removed duplicate price field from invoice detail page.
2013-04-07	Enhancement	Provided validation not allowed to add 'Line Percentage' type product to Plan. Added error message "Line Percentage type product is not allowed for a plan".
2013-04-05	Enhancement	Resolved exception error occurred on edit of any enumeration.
2013-04-05	Bug fix	Corrected validation message that was displaying wrong field name at Configuration >> 'Email' page, when page is saved with no data.
2013-04-05	Bug fix	Resolved problem for 'New Rate Card' page section closing because of the error on the page when clicked on 'Save Changes' button without entering the data into any field.
2013-04-04	Bug fix	Data retains on 'Company Signup' page when page is refreshed, previously it wasn't.
2013-04-04	Bug fix	Resolved problem of Report not getting displayed. Provided methods that returns the expected Jasper Report file on disk.
2013-04-04	Bug fix	Provided validation to upload only valid extension files into 'Invoice Logo' field at Configuration >> 'Invoice Display' section page.
2013-04-04	Bug fix	The drop down of roles in edit page was not getting displayed. Added roles list for the logged in company.
2013-04-04	Bug fix	Provided validation not to allow logged in user to delete itself.
2013-04-04	Enhancement	Added a test case to test one time order with future date set.
2013-04-03	Minor improvement	Corrected Currency Code/Symbol from 'Sf' to 'CHF' in jbilling-data.xml.
2013-04-02	Bug fix	Corrected code to appear required Fields name in the error message.
2013-03-27	Bug fix	Added selected type id in the modle to show report name that was disappeared when clicked on Reports >> 'Show 10,20,50' link.
2013-03-27	Bug fix	Added styles, width is adjusted to fit text correctly when Configuration >> Role >> New Role is added with the long string.
2013-03-27	Minor improvement	Validation message is corrected when clicked on 'Create Payment' button. Corrected message from "Select a customer and click the 'Create Payment' button" to "Select a customer and click the 'Make Payment' button"
2013-03-27	Enhancement	Only reviewed invoice will show 'Email Invoice PDF' button.
2013-03-25	Bug fix	Resolved error for Invoice tab from menu.
2013-03-25	Bug fix	Removed single quotes for plan table in mapping to resolve plan entity not found error on hsqldb.
2013-03-25	Bug fix	JB fails to send a batch PDF invoice to companies administrator for printing during billing process. PaperInvoiceBatchDTO was not visible to the transaction. The solution was to evict that entity from the persistent context. This way, the create PaperInvoiceBatchDTO is visible to the transaction and a batch PDF invoice is created and sent to the billing administrator.
2013-03-25	Bug fix	Modified the query to selected invoices with balance greater than 0.01 in InvoiceSQL.
2013-03-25	Bug fix	Modified SQL for payableByUser to not only check on invoice balance for unpaid invoices, but also do check on invoice.status plus invoice.balance to fetch unpaid invoices for the user. The output from this SQL are the unpaid invoices for the specific user. These unpaid invoices are shown in a block at time of making new payment for the user.
2013-03-22	Enhancement	Made sort method compatible with grails.
2013-03-22	Bug fix	Removed render list to show Invoice Lines information when "Successfully generated invoice for Order #".
2013-03-22	Bug fix	Added foreign key in customer table added change set in jbilling-upgrade-3.2.xml in 'main_subscription_order_period_id' referenced table order_period.
2013-03-20	Bug fix	Added foreign key to jbilling-upgrade xml 'main_subscription_order_period_id' referenced table order_period. Also dropped foreign key 'billing_proc_confign_fk_1' referencing 'billing_process_configuration'.

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2013-03-20	Bug fix	Modified code to select customer contact info using userid.
2013-03-20	Enhancement	Resolved exception to run billing process on MySQL.
2013-03-19	Bug fix	Resolved Invoice line ordering and subaccount grouping.
2013-03-19	Enhancement	<p>This feature was to group the invoice lines by customer within a single invoice. So for example, if we have parent-child relation between two customers and the parent is getting invoiced for the child's orders than in the invoice for the parent there will be two groups, one for the invoice lines from the parent and one from the invoice lines from the child.</p> <p>Fixed the invoice line ordering but preserve the grouping between the sub-accounts. So now, invoice lines are first grouped by customer account and only then sorted by product code.</p>
2013-03-18	Minor improvement	Aligned column headers on the order detail screen page.
2013-03-18	Bug fix	Resolved exception when try to search using a filter
2013-03-18	Bug fix	Resolved page was distortion when trying to delete refunded payment. Put an arugment in validation message for payment id and to display when try to delete any refunded payment.
2013-03-18	Enhancement	Provided 'Case Insensitive Sorting' for plans internal number.
2013-03-18	Bug fix	Corrected wrong meta field labels that displayed at 'Add Metafield' page.
2013-03-18	Bug fix	Put alias for item to map entity against logged in company that returns sorted internal number plans list .
2013-03-17	Bug fix	Added validation message "bean.TieredPricingStrategy.0=0" that displayed when try to create 'Tiered' pricing based product using invalid data into attribute field. Added a test case testCreditCardNumberFormat to test when entering the special character into 'Credit Card Number' field.
2013-03-15	Bug fix	Aadded method testXMLParsing() in VelocityRulesGeneratorTaskTest.
2013-03-15	Bug fix	Provided validation on attribute field for non-numeric data in product screen. Added validation message "should be a numeric value (max 10 decimals)".
2013-03-15	Bug fix	Provided validation for wrong userid, password or company on login page. Added validation message "Sorry, we were not able to find a user with that login id and password for the selected company." And also corrected the validation message 'username' text that was displayed in place of 'Login Id' in validation message at Login page.
2013-03-15	New feature	Resolved cheque details was not displayed into downloaded Payment CSV file when make payment using Cheque.
2013-03-15	Bug fix	Added validation message "only alphanumeric characters and underscore are allowed" that resolved sql error that occurred when create rate card using special character into 'Name' field.
2013-03-13	Bug fix	Modified the string that escapes (&, <, >, ", ') special characters in a given String for using with XML.
2013-03-07	Bug fix	Corrected XML that was sent to authorize.net.
		Corrected set methods for amount & quantity field in InvoiceLineDTO.java.
2013-03-06	Bug fix	<p>Pessimistic locking (select for update) used in invoice generation and payment processing for the update of objects Order and Payment respectively. These updates can prevent update of current objects from concurrent processes like Mediation. Thus, there will be no StaleObjectStateException when different processes try to use the same object in concurrent mode.</p> <p>Set the pessimistic lock (select for update) for a order DTO to ensure no any concurrent process can update it while creating new invoice.</p> <p>Set the pessimistic lock for a payment DTO to ensure no any concurrent process can update it while processing this payment</p>
2013-03-06	Bug fix	Put a check if 'isEdit' boolean flage is true then show 'Edit plug-in' into form page title. That resolved changing page title from 'Add new plug-in' to 'Edit plug-in' when click 'Save Changes' button without entering the data into any field in Configuration >> Plugins >> Add New Plugin.
2013-03-05	Enhancement	Tested the jBilling application on tomcat cluster. For that started two diefferent tomcat instances deployed the jBilling war file on each. Used load balancer if one tomcat instance stops the load balancer will shift load to other tomcat instance and made sure that the application will not stop.
2013-03-05	Bug fix	<p>Changed breadcrumb and recent item grails service scope to singleton from session. Resolved session replication error on cluster environment.</p> <p>Corrected Metafields validations.</p>

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2013-03-04	Bug fix	Put a check on the response that got from AuthorizeNetResponseDTO that if the paymentAuthorizationDTO.code is equal to 1 then set the payment result to OK else set result FAIL or if exception occurs set payment result to UNAVAILABLE. Also modified the PaymentAuthorizeNetTask plugin that if PARAMETER_USE_TEST_URL is not null and if it is true then set test_url that is "https://test.authorize.net/gateway/transact.dll" else set url "https://secure.authorize.net/gateway/transact.dll" in the PostMethod.
2013-02-27	Bug fix	Done sql correction. Changed hql query to Named Query added extra check for price_model_id from item_price_timeline is equal to price_models id to find product count by currency and entity id in ItemDAS. Also changed hql query to Named Query in PlanItemDAS to find plan item count by currency and entity.
2013-02-27	Bug fix	Added header for sub-account users on invoice line GUI & corrected sub-account line up on PDF report.
2013-02-26	Bug fix	Resolved exception that occurred when entered the long string into 'Table Name' field and clicked on 'Save Changes' button at 'Edit Rate Card' page.
2013-02-26	Minor improvement	Added insert scripts in jbilling-upgrade-3.2.xml. Also done some minor modification in WSTest under order. Also added insert scripts in jbilling-upgrade-3.1.xml. And done some minor modification in WSTest under pricing.
2013-02-25	Bug fix	When an invoice is generated for a parent account. The division of child account purchases now appears on the GUI as well as on the PDF invoice.
2013-02-25	Bug fix	Resolved the problem when updating quantity of plan on a saved purchase order, rest of products are not getting updated with the change.
2013-02-22	Bug fix	Resolved problem if deleted any product category that was showing all product categories list.
2013-02-19	Bug fix	Provided confirmation "Are you sure you want to remove the link between this payment and this invoice?" when try unlink any payment.
2013-02-19	Minor improvement	Corrected the incorrect url in preference save form.
2013-02-19	Enhancement	Billing Process details screen shows the period information. Added Period Start Date & End Date in the Billing Process details screen.
2013-02-19	Bug fix	Search drop down was not closed when clicked anywhere at the page resolved by putting closeActivePopups() javascript function that will close all active pop up from screen when clicked anywhere in the screen..
2013-02-19	Bug fix	Removed the insert script for Preference 50 from upgrade.sql file.
2013-02-18	Bug fix	Validation message corrected to "should be an integer value (max value = 2147483647)". It prevents to input numbers greater than 2147483647 - cap for int type, used for objects id. Categories selector provided for Item Category price model.
2013-02-18	Bug fix	Converted a string into a appropriate database object name with underscore in between. Examples : HelloHowAreYou = hello_how_are_you Hello How Are You = hello_how_are_you
2013-02-15	Minor improvement	Status field now appears on add new customer with all options except DELETED. Removed unwanted extra check.
2013-02-15	Bug fix	Made "Description" field mandatory at "Company" page. or does not exist.
2013-02-14	Bug fix	The 'edit' urls not saved as breadcrumbs. Only, list/show/configuration urls breadcrumb. Resolved Breadcrumb related errors in the following screens: Mediation Configuration, Plugins screen, Invoice screen, Plan screen, Payments screen, Meta fields screen, Enumerations screen, User screen, Role UI, Partner UI, Order Periods, deleted order.
2013-02-13	New feature	Added a new filter name on customer screen, it filters on userName, or firstName, or lastName or organizationName
2013-02-12	Bug fix	The deleted field defaulted to zero while signingup new company.

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2013-02-11	Enhancement	Soft deleted customer not allowed to be edited from stale breadcrumb.
2013-02-10	Enhancement	Company to be deleted permanently as well as a soft-delete for that added deleted column to entity table. Login not allowed to deleted companies. Restricted the companies in dropdown to those which are not deleted (where deleted = 0).
2013-02-06	Bug fix	Resolved IE Browser Compatibility Issue for Plan Builder: order line expand and callaps feature made work.
2013-02-05	Bug fix	Enabled / Disabled price and description fields in order line.
2013-02-01	Bug fix	Resolved line percentage product was not displayed under list when saved and filter that was not working for this line percentage product avoided any joins towards price model when filtering products.
2013-02-01	Bug fix	getOrderAPI make consistent with GUI.
2013-01-31	Bug fix	Resolved problem no Invoices generated after first invoice.
2013-01-31	Bug fix	Resolved problem "Pooled Item Id" drop down data was disappeared when clicked 'Save Changes' button without entering the data into mandatory fields.
2013-01-30	Bug fix	Corrected 'Refunds' to reduce the Dynamic Balance.
2013-01-29	Bug fix	Modified criteria query in PaymentDAS to check for paymentResuts id not equal to PAYMENT_RESULT_PROCESSOR_UNAVAILABLE life time revenue value.
2013-01-29	Bug fix	Modified method PaymentDAS.findTotalRevenueByUser to restrict fetching payments which failed or whose processor was unavailable. The output from this method shows up on Customers GUI.
2013-01-24	Bug fix	Resolved ID Filtration on Audit Log.
2013-01-21	Enhancement	Provided validation to check for currencies 'in use', hence in use currencies not allowed to inactivated or de-activated and also allowed other currencies to be updated while there is in-use error.
2013-01-17	Bug fix	Resolved recursive error on get description in AbstractDescription.
2013-01-17	Enhancement	In absence of language bundles (messages_In.properties), the respective labels default to 'English' i.e. jBilling Language ID = 1.
2013-01-14	Bug fix	Extracted inconsistent methods.Moved BASE_PATH & getReportBaseDir() from ReportDTO to ReportBL.
2013-01-11	Bug fix	Provided validation for invalid category id. Added validation message that displayed when user enters invalid Category id.
2013-01-08	Bug fix	Resolved IE linear-gradient compatibility issues.
2013-01-07	Enhancement	Provided validation not to allow deletion of Mediation Plug-ins if they are in use on Mediation Configuration.
2013-01-07	Bug fix	Preferences not displayed as company specific values in the list.
2013-01-06	Bug fix	Stopped Unnecesary currency conversions.
2013-01-03	Bug fix	Increased character size of email for email address validation wasn't accepting valid emails.
2013-01-03	Enhancement	Blacklist is only having active customer info.
2013-01-02	Bug fix	Corrected validation messages that was displayed when clicked on 'Save Changes' button after selecting 'Rate Card' into 'Pricing' drop down at 'Add Product' page.
2013-01-01	Bug fix	Removed column billing_period_end_date from billing_process and also from other related classess where it was used and showing calculated billing period end date on billing process screen.
2012-12-31	Enhancement	Resolved performance issue with collections of rows added 'setMaxResults' that could caused problem for large number of records.
2012-12-28	Bug fix	Adjusted css height, width to show 'Rate' field information at order screen page when added any plan at order line.
2012-12-27	Bug fix	Filters for Pricing Model products are working now.
2012-12-27	Bug fix	Grails unresolved dependency issue on clean/compile * jBilling's ant build.properties file conflicted with similar naming file for grails * Renamed jBilling's build.properties to jbilling-build.properties
2012-12-27	Enhancement	User not allowed to create duplicate currencies. Added validation message "The currency with code is already exist".
2012-12-27	Bug fix	Improved huge changeSet for decrypting cc-data for testing in jbilling-upgrade-3.2.xml.
2012-12-27	Bug fix	Corrected total that was displayed wrong when added Graduate pricing model based product at Order page.
2012-12-26	Bug fix	Corrected code to show correct page title that was changed to 'Edit Product Category' to 'Add Product Category' when click 'Save Changes' button after remove the data from 'Name' field.

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		Log and Payment is displayed only when clicked on 'View Audit Log' and 'View Payments' button at customer page.
2012-12-26	Bug fix	Resolved exception that was occurred when clicked on 'View Audit Log' and 'View Payments' button at customer page.
2012-12-24	Minor improvement	Added case Insensitive check for enumeration name.
2012-12-23	Minor improvement	Avoided variable name collision in customer page.
2012-12-21	Minor improvement	Added missing imports in WSTest under payment.
2012-12-21	Minor improvement	Reverted few deleted images.
2012-12-21	Bug fix	Validation messages added "Filter's name must be unique." "Filter's name cannot be blank." When clicked on 'Save Changes' button without entering the data into 'Name' field on 'Save Filters' the result without any name.
2012-12-21	Bug fix	Put check a of pricemodel type equals pooled for pooled items in productController that resolved other company's product was displayed into 'Pooled Item ID' drop down at 'Add Product' page.
2012-12-21	Bug fix	Resolved exception at new signup by putting not null check on role description & role title & defaulted language at the time of creating new role.
2012-12-21	Bug fix	Added validation for zero or negative refundable balance. Also added test case 'RefundTest' that checks for the refunding negative amount.
2012-12-21	New feature	Tested 'payInvoice' API.
2012-12-20	Bug fix	Put check for negative amount should not be accepted by Bundled quantity field. Also added validation message.
2012-12-19	Bug fix	Put an entry for BasicBillingProcessFilterTask (69) that was missing in EntityDefaults.groovy. That resolved the problem of billing process run when manually triggered for new company. System allowed to create enumerations for a new company.
2012-12-18	Enhancement	A Payment is not allowed against a Reviewed Invoices. Added check at payment of review invoice, and modified related testcase
2012-12-17	Enhancement	Now emails can meet most requirements of rfc3696 for email addresses, including symbols: ! # \$ % & ' * + - / = ? ^ _ ` . { } ~
2012-12-17	Bug fix	Resolved duplication check using createCriteria and ignoreCase instead of findBy method which does not use ignoreCase in EnumerationsController.
2012-12-17	Enhancement	Added testcase to test 'Payment Against a Reviewed Invoices'.
2012-12-16	Minor improvement	Corrected RefundTest set payment type to PAYMENT_METHOD_VISA in CreditCardDTO.
2012-12-14	Bug fix	Resolved bug when 'Edit Category' page was not opened when selected any category and clicked on 'Edit' button in NotificationsController.
2012-12-11	Bug fix	Made "Description" field mandatory on at 'Configuration' >> 'Order-Periods' 'New Order Period' page.
2012-12-11	Minor improvement	Handled scenarios when the next following month does not have 31 days in BasicOrderPeriodTask
2012-12-11	Bug fix	Removed Hibernate Query.iterator. It has a bug and does not closes the ResultSets from PlanDAS.
2012-12-10	Bug fix	Multiple special prices for the same product allowed to be added to the Customer. Removed query.iterator() when not iterating over all objects because there is bug in the Result Sets, they are not being closed.
2012-12-10	Bug fix	Removed Iterators from BillingProcessBL & BillingProcessRunBL & changed return type of methods to list in BillingProcessDAS for getSuccessfulProcessCurrencyMethodAndSum & getCountAndSum.
2012-12-10	Minor improvement	Corrected argument to pass user's id instead of entities id in the method getViewLimit() at OrderPeriodAnticipateTask.
2012-12-10	Minor improvement	Changed log statements to get the benefit of FormatLogger.
2012-12-07	Minor improvement	Added validation message "Currency is in use." that was "There has been an internal server error" previously in case of currency update.
2012-12-07	Enhancement	Made email id's 'Case insensitive emails'.
2012-12-07	Minor improvement	Corrected notification message in email form page.

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2012-12-07	Minor improvement	Added better logs for BasicOrderPeriodTask.
2012-12-06	Bug fix	Corrected broken tests QuantityAddonPricingWSTest. Added change sets in jbilling-upgrade-3.2.xml
2012-12-05	Enhancement	Added end of month case for ProRateOrderPeriodTask. Calculation of the next invoice date take into consideration the end of month scenario.
2012-12-05	New feature	Added new feature: Preference added to enable/disable the unique emails, implementation of this feature made to be optional i.e managed by a preference. By default the preference is not set and email uniqueness is not enforced.
2012-12-05	Enhancement	Resolved IE,Chrome & Firefox Compatibility Issue for Currency Page, the date based exchange rates for currencies was not being saved on Internet Explorer, Chrome or Firefox. Also added confirm delete dialog box that will appear when try to delete any currency.
2012-12-05	Bug fix	Provided Patch for BasicOrderPeriodTask to handle Recurring orders that start on dates not available in the month of FEB.
2012-12-04	Bug fix	Corrected Wrong calculation in Graduated Pricing Model - when usage is > 0 and < 1.When the current usage is greater than 0 but less than 1 then the percentage to be used to get a pro-rated price for all the total purchased quantity.
2012-12-04	Bug fix	When configuring a chain of Pricing Strategies only the 'usage' of first model was taken into account. So Added a check for the 'usage' of each chained model to taken into account.
2012-12-04	Bug fix	Resolved Mediation - Exception when trying to delete a Reader related to a configuration.
2012-12-03	Enhancement	Resolved several problems while trying to test paypal payment integration. - Added missing dependency, xerces - While making transactions the system was only sending the last four digits of credit card so corrected to send of the whole number , so that resolved transactions always failing . - Sale transactions can not be voided, so to effectively charge always and resolved voiding transaction fails. - Resolved NPE when doing transaction with gateway key.
2012-12-02	Enhancement	Added order_id foreign key to the Invoice_Line table referencing to table "purchase_order". Added changeset in jbilling-upgrade-3.1.xml, jbilling-schema.xml. Added alter script in upgrade.sql
2012-11-30	Enhancement	Shown 'Refunded Payment' on GUI . Adjusted Linked Payment Balance in case of real-time Refunds. Added Testcase to test Partial Refund.
2012-11-29	Bug fix	Added validation message "The parent id cannot be the same as user id for this customer" when updating the user info .
2012-11-29	Minor improvement	Corrected validation message from "Either refund payment was not linked to any payment or the refund amount is different from the linked payment" to "Either refund payment was not linked to any payment or the refund amount is in-correct" in partial refunds.
2012-11-28	Bug fix	Fixed UserDTO export fields for Address. Removed bean definition of non existing class com.sapienter.jbilling.server.util.SpringApplicationContext from resources.groovy file.
2012-11-27	Minor improvement	Corrected Auto-Recharge label from "Auto-Recharge Threshold" to "Auto-Recharge Amount" on Customer Profile.
2012-11-25	Bug fix	Resolved NPE on Billing Process Details screen.
2012-11-25	Enhancement	Adjusted Cycle End date for Last Day of Month Special Case.
2012-11-22	Enhancement	When the quantity of a plan is changed, that will update quantity of the items in the plan also.
2012-11-22	Minor improvement	Modified Test Cases to test unique mails functionality for users in a company. Added validation message "Email is already in use." if the email id is already present.

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		When an Order is edited with a new Price, the event is fired
2012-11-19	Enhancement	* DynamicBalanceManagerTask modified to listen to this Event
2012-11-19	Bug fix	* Therefore, 'dynamic balance' impacted if the price is changed.
		Added grails plugin resolution folder to gitignore.
2012-11-19	Enhancement	Introduced usage of Context class and cleaned up encryption code which was no longer needed.
2012-11-18	Enhancement	Added FormatLogger to avoid loss of performance due to log statement evaluations of * toString
2012-11-14	Enhancement	* StringBuilder concatenation.
2012-11-13	Bug fix	Added pagination and Not allowed duplicate name on update in Enumerations.
2012-11-13	Bug fix	Corrected New Billing Process that was Skipping Ahead of a Billing Period.
2012-11-13	Bug fix	Displayed the correct order type while creating orders.
2012-11-13	Bug fix	Provided Not Null validation for the value of order period. Provided Required Field validation message when removed the data from 'Value' field of any order period.
2012-11-09	Minor improvement	
		Added png images to top navigation items via css.
2012-11-09	Minor improvement	
		Removed inline images. Added class to <a> for css icons.
2012-11-08	Bug fix	Resolved exception that was occurred when clicked on 'Save Changes' button at 'Add Customer Price' page. Validated price model attributes before saving customer price.
2012-11-07	Minor improvement	
		Removed hard coded urls from applyToInvoice gsp.
2012-11-07	Minor improvement	
		Added decrypted defaults to liquibase test context .
2012-11-07	Minor improvement	
		Corrected wrong status when edited existing order.
2012-11-07	Minor improvement	
		Cleared the span style to correct for the misplaced elements in order builder page.
2012-11-06	Minor improvement	
		Removed encryption from jBilling.
2012-11-06	Minor improvement	
		Changed jquery script to refresh Plug-Ins Parameters that was not previously.
2012-11-05	New feature	Added Custom Field filters for all CustomizedEntity's. * Order * Payment * Invoice * Product Customer * Changes done for preserving meta field filter on pagination links, page size and download csv links.
2012-11-02	New feature	Added update change set in jbilling-upgrade-3.1.xml, that will set categoryid for BasicPenaltyTask.
2012-11-02	Bug fix	Changed maximum number of days for PERIOD_UNIT_MONTH to 31, instead of 30 in MapPeriodToCalendar.
2012-11-02	Bug fix	Fixed the no session problem during login which was occurred for login of newly created companies. Logged user's success Login Attempt and failed Login Attempt.
2012-11-01	Enhancement	Added additional image assets.
2012-11-01	Enhancement	UI Modifications by AppDirect.
2012-11-01	Bug fix	Corrected code to show 'Plan' under Plans Tab that was displayed under 'Products' tab at Order screen page. Also Fixed products filter method. Added possibility to include/exclude plans from filtering.
2012-10-30	Minor improvement	
		Removed possible decimal string parsing into integer PlanItemBundleBL.
2012-10-30	Minor improvement	
		Put check to select only non deleted Items in ItemDAS.
2012-10-29	New feature	Lockout feature due to X number of failed attempts.
2012-10-29	Bug fix	Resolved problem for the Mediation process that was deleting orders after creating them, now the mediation process generate the orders, and leaves them there.
2012-10-29	Improvement	Added billing data cleanup sql script.
2012-10-29	New feature	Added change set for Plugin SimpleMediationTask in jbilling-upgrade-3.2.xml.

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2012-10-24	Bug fix	Fixed AgeingTest, BillingProcessTest related to one-time post-paid orderd and calculation of invoicing date for them.
2012-10-23	Bug fix	Corrected calculation of invoicing date for one time orders to fix the Test in WSTest.
2012-10-23	Bug fix	Resolved problem for Mediation that was not generating data for events processed for customers with special pricing.
2012-10-23	Minor improvement	Corrected WSTest for order, kept one time orders always post paid.
2012-10-23	Bug fix	Ignored invoices of billing process that are in the association cache but they do not exist in db anymore that resolved exception when deleted invoice that was generated by the Billing Process was giving an exception because it was still related to that deleted invoice. Used separate queries to fetch invoice data for billing process instead of trusting the cached association.
2012-10-22	Bug fix	Provided test case jBillingTestCase to test Utils class. Class name corrected according to the java class. Added additional pause method useful for thread pausing.
2012-10-22	Bug fix	Auto-pay Invoices from payments only if configured.
2012-10-22	Bug fix	Resolved exception occurred when saved products with invalid start date.
2012-10-22	Minor improvement	Put a check to add item only if it is different from the last item added.
2012-10-22	Bug fix	Fixed the count return value to avoid casting problems in InvoiceDAS for countByProces function.
2012-10-22	Bug fix	Resolved exception that was thrown when trying to configure plugin category 9 - Penalties for overdue invoices. Provided validation for non existing plugin. Added validation message "No plugin types to choose from for the selected category".
2012-10-22	Bug fix	Forced post paid billing type for new one-time period orders.
2012-10-22	Minor improvement	Replaced junit-3 file from junit-4.10 version lib.
2012-10-22	Improvement	Added jBilling Test Util Classes.
2012-10-21	Bug fix	Copied the Order Meta Fields to the Bundled Order.
2012-10-21	Bug fix	Added missing i18n entries for the breadcrumbs.
2012-10-18	Minor improvement	Corrected font type on invoice.
2012-10-18	Enhancement	Corrected query for more than one order on invoice pdf.
2012-10-18	Bug fix	Handled the validation that caused exception while adding new mediation.
2012-10-18	Bug fix	Removed confusing double message prompt when triggered Billing & when Billing is running.
2012-10-18	Bug fix	Duplicate role not allowed to be created in the application. Resolved delete of role was not deleting from international_description table.
2012-10-15	Bug fix	Resolved exception that was occurred when opened the URL in new tab.
2012-10-15	Bug fix	Resolved problem Custom Fields filter was not retained is value and applied in pagination links, page size links and in Download CSV link.
2012-10-15	Enhancement	Enhanced Test Utils. Added new classes to handle common object creation scenarios encountered while writing test classes.
2012-10-15	Enhancement	Provided validation on 'Bundled Quantity' field to not allow negative amount values. Added validation message "it should be non negative".
2012-10-15	Bug fix	Resolved exception if provided very long numeric value in 'Bundled Quantity' field of a plan item.
2012-10-12	Minor improvement	Modified Mediation configuration sample csv file.
2012-10-12	Bug fix	Additional 'Rate Cards', now appears in the Product screen in Pricing model. Resolved problem when added additional rate cards, that not appeared in the product screen in pricing model.
2012-10-11	Bug fix	Resolved problem twice the order table displayed at the page when 'No invoices found for User' message is displayed.
2012-10-11	Bug fix	Corrected the menu item name from 'contactType' to 'rateCard' in rate card gsp.
2012-10-10	Bug fix	Provided validation not allow duplicate rate card names. Added validation message "Rate card \$(name) already exists"
2012-10-10	Bug fix	Provided validation for wrong date format or wrong date is given in the date popup dialog, while saving plan.

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2012-10-09	Bug fix	Provided validation on 'Parent id' field not to allowed to enter the same 'Customer id' as a 'Parent id' that resolved application hanging problem for same id's. Added validation message "The parent id cannot be the same as this user's id."
2012-10-09	Enhancement	Added validation message "he parent id cannot be the same as this user's id.",When application gets hanged when same customer id was entered in parent id field.
2012-10-09	Bug fix	Removed water mark text of search field when clicked into the field.
2012-10-08	Bug fix	The selected 'Description' and 'Permissions' now retained on Role screen in case of validation error in add/edit role screen.
2012-10-08	Bug fix	Resolved product deletion problem that wasn't performing any action on delete confirmation popup for deleting the product
2012-10-08	Bug fix	Resolved product deletion problem that wasn't performing any action on delete confirmation popup for deleting the product.
2012-10-08	Enhancement	Provided validation user not allowed to de-activate 'in-use' currency.
2012-10-05	Enhancement	Added validation message "The name is more than 50 character", when entered more than 50 character into 'Name' field of Mediation.
2012-10-05	Enhancement	Added Scheduled Plug-in parameter validations for end and start dates.
2012-10-03	Bug fix	Set attributes data as blank when pricing model is changed from dropdown that resolved attribute fields data of product was not refreshed when changed the type into 'Pricing' drop down at 'Edit Product' page.
2012-10-03	Bug fix	Resolved issue Tasks extending PaymentTaskWithTimeout don't show "timeout" parameter in the UI.
2012-10-03	Minor improvement	Resolved issue 'Role Name' text should be displayed in validation message in Configuration >> Roles >> Add New at 'New Role' page.
2012-10-03	Minor improvement	Separate message is added for both create and update Order Period.
2012-10-03	Bug fix	Fixed issue Payment Amount' is changed when validation message is displayed at 'New Payment' page.
2012-10-02	Bug fix	Corrected code to show product description in customer's language, not in logged in user's language under Order section at Order form page.
2012-10-01	Bug fix	Provided validation for not to allow 'Duplicate Contact type' and 'Blank Contact type' in Configuration >> Contact Types section when you created new Contact type.
2012-09-27	Enhancement	Corrected message "Updated Order Periods successfully" to "Order Period created successfully" when created any new order period.
2012-09-27	Bug fix	Added javascript validation to prevent User to save non numeric data into configuration >> Email section 'Days for order notification' and 'first/next reminder' fields.
2012-09-24	Minor improvement	Corrected decimal fractions in price field.
2012-09-20	Bug fix	Resolved issue when billing run payed unpaid invoice, user not set back to Active state.
2012-09-19	Bug fix	Fixed 'Main Subscription' drop down's data that was disappeared when clicked on 'Save Changes' button at 'New Customer' page.
2012-09-18	Minor improvement	Fixed broken tests.
2012-09-18	Minor improvement	Resolved exception which was occurred when clicked on customers number link at partner screen page.
2012-09-18	Bug fix	Resolved exception when trying to edit a product.
2012-09-17	Bug fix	Resolved HTTP Status 404 error is occurred when try to create any new currency.
2012-09-11	Minor improvement	Provided validation for deleted user 'A deleted User may not be edited'. Fixed Active User is not displayed into User table. Put a check not to show 'Edit' button for deleted user.
2012-09-10	New feature	AutoRechargeTask enabled for Credit Limit balance.
2012-09-09	Bug fix	Un-scheduling a scheduled task plugin * on delete scheduled plugins * on demand un-scheduling
2012-09-09	Enhancement	Re-schedule IScheduledTasks using the Scheduler * on createPlugin * updatePlugin

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		Created Chained Scheduled Tasks allow us to schedule a series of tasks to be executed sequentially one after the other.(using quartz jobs) There are two ways to put job in chain: - by using JobChainingJobListener - by using JobDataMap which every job contains. The next job to schedule can be put in this map so the job is aware that it has to schedule next job.
2012-09-03	New feature	
2012-09-03	Bug fix	Fixed billing processed order's pagination issue.
2012-08-30	Bug fix	Resolved error while editing enumeration.
2012-08-30	Bug fix & New feature	Resolved issue of wrong exchange rate picked up by Mediation. * Added a new method getPriceByEventDate to get price by event date.
2012-08-30	Bug fix	Removed save of new credit cards for one-time payments. * Cards info are saved and associated with the payment, but are no longer set as the user's saved credit card * Prevented one-time payments from changing a users CC and fixed the intermittent payment WSTest failure
2012-08-30	Bug fix	Fixed problem related to updating credit card. Also provided validation for credit card, 'Expiry Date' cannot be blank.
2012-08-30	Bug fix	Provided validation on 'Cycle Start Date' for long values.
2012-08-28	Bug fix	Provided validation for 'Auto-Recharge' and 'Credit Limit' in edit customer page.
2012-08-26	Bug fix	Provided validation atleast one enum-value required.
2012-08-23	Minor improvement	Updated label to 'Invoice Number' in invoice filter.
2012-08-23	Bug fix	Fixed unintentional downgrade to hibernate 1.3.4 (replaced with 1.3.6)
2012-08-23	Bug fix	Provided validation for mandatory fields at 'Add Customer Price' page.
2012-08-22	Bug fix	Set 'Default Payment' type to 'Credit Card' because if paid for an unpaid invoice, the card used doesn't become default.
2012-08-22	Bug fix	Resolved SecurityContext warnings in server.log. Stateless SecurityContextPersistenceFilter disables creation of a session for the requests. It is used for the API calls. To use it, updated the filter chain in 'Config.groovy'.
2012-08-21	Improvement	Removed date truncation that forms the cachekey using userid, used to put the current order in to the session.
2012-08-21	Bug fix	Corrected 'in-use' count query in MetaFieldDAS. So 'in-use' Meta Fields not allowed to delete.
2012-08-20	New feature	Added New Simple plugin that invokes a remote web-service when a customer's contact information is changed.
2012-08-17	Bug fix	Corrected var property name from 'attributes' to 'attrs' that made it working on price models.
2012-08-17	Bug fix	All products carrying their own description on a plan instead of plan's description.
2012-08-14	Bug fix	Corrected failing test case: testProcessPayment()
2012-08-14	Enhancement	Included -client specific data, when loading the customer reference DB.
2012-08-14	Bug fix	Corrected usage period calculation.
2012-08-14	Enhancement	Added 'Public Number' in invoice filters.
2012-08-10	Bug fix	Removed the need for mandatory license.txt since when merging with client repository causes the compile to failed.
2012-08-08	Improvement	Refactored process lines method in OrderBL.java. This method is used to process 'Order Lines' and set correct line prices based on the configured pricing models.
2012-08-08	Bug fix	Corrected the number format to price format that preserved decimal places in product prices after edit.
2012-08-08	Bug fix	Resolved bug in PluggableTaskDAS to get mediation configuration reader list for the logged in company.
2012-08-08	Bug fix	Corrected code to delete invoice using invoice id.
2012-08-07	Bug fix	Modified SessionInternalError constructor to retain the root cause.
2012-08-07	Bug fix	Restricted user from deleting any used enumeration.
2012-08-06	Improvement	Refactored rails liquibase scripts.
2012-08-06	Enhancement	Added "schema" parameter to the liquibase rails scripts so the default 'Schema Name' can be overridden. Useful when working with MySQL, Oracle database.
2012-08-06	Improvement	Added timestamp to 'Payment Date' field in payment GUI.
2012-08-03	Enhancement	Modified new invoice design report.
2012-08-03	Bug fix	Invoice Lines not rounded. Only the Final Invoice Balance & Total values are rounded.
2012-08-03	Bug fix	Added client side and server side validation in case when the user entered an unparsable date during the pricing model selection.

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2012-08-02	Minor improvement	Refactored isValidDate Method.
2012-08-02	Enhancement	Allowed meta field values to persist entity deletion.
2012-08-02	Bug fix	Added Java doc for deleteMetaFieldValues method.
2012-08-02	Bug fix	Modified the queries in MetaFieldDAS method to Filtering out deleted Entity from the results.
2012-08-02	Bug fix	Deleted meta fields values for a Customer that gets deleted.
2012-08-02	Bug fix	Fixed issue when entered data is removed from meta field when clicked on 'Apply' button at 'Apply to Order' page, shown the values from binded objects to retain form values.
2012-08-01	Bug fix	Delete any 'Customer' also deletes meta field values for the deleted entity.
2012-08-01	Bug fix	Resolved GUI formatting issue made fields compatible with screen that was too narrow in CONFIGURATION / NOTIFICATIONS / EDIT NOTIFICATION pages.
2012-08-01	Bug fix	Corrected search functionality for a new user.
2012-07-31	Bug fix	Resolved issue when Roles were not updated correctly on edit customer.
2012-07-31	Bug fix	Set License on 'Compile End Event' because running on pre run causes the jbilling.properties license info not being refreshed.
2012-07-31	New feature	Added Salt Source implementation for Spring Security, that relies on user detail information.
2012-07-31	Bug fix	Resolved error User was unable to create an order using Plan, because Decimal value not replaced with integer quantity when update the plan on order.
2012-07-30	Bug fix	Provided validation for custom contact fields.
2012-07-30	Bug fix	Resolved exception when removed the data from 'Start Date' field at 'Add Customer Price' page to fix applied java script validations on the page because of that Date should be by default set into 'Start Date' field.
2012-07-30	Bug fix	Full decimal values for order line quantity is visible on GUI, this removed the confusion between the validation message and the value in the quantity field.
2012-07-27	Bug fix	Fixed null details under Bill To section & contact details for customer in default invoice design. Removed the extra comma from default invoice design
2012-07-27	Bug fix	Fixed Can't send email error. * username & password fields are not mandatory always, but are when ssl_auth is set to true.
2012-07-27	Bug fix	A non-successful payment deletion must not affect dynamic balance, so returning zero for non-successful payment .
2012-07-26	Bug fix	Removed extra comma under 'Bill To' section in default invoice design report.
2012-07-26	Bug fix	Added client side validation on 'Next Run Date', for long numeric data added into 'Next Run Date' field, that was causing 'internal server error' & unable to fetch records from database.
2012-07-25	Bug fix	User is unable to collapse the Credit card info or ACH info at 'New Customer' page.
2012-07-25	Bug fix	Fixed jQuery dependency by including jQuery in UI bundle defined in Config.groovy which required it.
2012-07-24	Bug fix & Improvement	Validated date fields under report tab.
2012-07-24	Bug fix	Fixed issue and Improvement the code related to 'Refund' functionality.
2012-07-24	Bug fix	Fixed ageing of overdue users.(Validate that the user actually needs a status change)
2012-07-23	Minor improvement	Invalidated pluggable task cache on create, delete plugins action.
2012-07-23	Improvement	Added Alternative Billing process user guide
2012-07-23	Enhancement	Refund Payment - GUI Display the filter on the payment list page to display refund/normal payments. 2) Applied the P/R link from payments list page. 3) Renamed menu item from Payments to Payments and Refunds . 1) Applied
2012-07-23	Bug fix	Validation message is not displayed when quantity set '0' at order form page, Fixed is order line quantity can be zero.
2012-07-23	Minor improvement	Formatted license.txt file, Format like licensee=jbilling.com licenseKey=license_key_string
2012-07-22	Bug fix	Setting licensee name and license key from license.txt.
2012-07-20	Bug fix	Corrected validation message at New Meta Field page because Field name was not displayed in validation message at 'New Meta Field' page.

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2012-07-20	Bug fix	Fixed error: There has been an internal server error: could not execute query" . To fixed * GUI validation has been added for date fields * If the wrong date still gets passed on 'Save' click, the returned Proper error message displays for invalid date
2012-07-19	Minor improvement	Better handle of different grails versions in ant.
2012-07-19	Bug fix	Provided validation bundle quantities made required at the time of save plan.
2012-07-19	Bug fix	Fixed issue: Null values come up on the generated invoice pdf.
2012-07-18	Bug fix	Fixed: Bug with Refunds - Refunds require reference to the Payment being refunded.
2012-07-18	Minor improvement	Provided validation for 'Start Date' field to allowed invalid date. Added validation messages "Invalid Start Date" & "Customer Specific Price could not be saved".
2012-07-17	Bug fix	Fixed record for which dollar is not used as currency are not displayed in exported invoice report. Changed query used to include the currency of the user as well.
2012-07-17	Bug fix	Fixed broken provisioning test
2012-07-17	Bug fix	Fixed Exception when creating a new company.
2012-07-17	Minor improvement	Added ID information to categories, handy for situations
2012-07-17	Minor improvement	Modified SetLicense to replace both licensee name and lincense_key values in the jbilling.properties file
2012-07-16	Bug fix	Resolved exception when removed the data from 'Start Date' field at 'Add Customer Price' page. to fixed Applied java script validations on the page.becuae of that Date should be by default set into 'Start Date' field.
2012-07-16	Minor improvement	Fixed change in class name of CheckDbConnection to CheckDBConnection
2012-07-16	Bug fix	Fixed script to CheckDbConnection. It didn't work on run-app.
2012-07-16	Improvement	Hook an Event to check the DB Connection. * Added script to run after compilation to check the connection to the db. This will be useful locally but also for reference installations for clients.
2012-07-16	Bug fix	Resolved exception that was occurred when generated invoice report in Adobe PDF format with invalid date in 'End date' field, so that added validation message that will be displayed when generate invoice report using invalid date. Also Made read only to datepicker text boxes for all reports
2012-07-13	Enhancement	Added simple class to check the connection to the Database when installing jbilling for a client.
2012-07-13	Minor improvement	Preserved test results on quick checkin CI builds.
2012-07-13	Minor improvement	Minor changes in common liquibase script & shutdown shell script file/
2012-07-13	Improvement	Given Set license call only while running RunApp event otherwise It will fail then. Run-App event is correct event for replacing license. Having this at run-app events prevents us from requiring license.txt for grails doc and grails compile events. We can correct these issues by having licensee name as well as the license in license.txt and replace them both. Otherwise, manual correction of the jbilling.properties is required for running.
2012-07-12	New feature	JBilling now allows sending customised notifications when specific event occurs within jBilling. Created a New Notification that will send an email to new accounts when they sign-up. This notification can have many recipients (customer, affiliate, Boom Town).
2012-07-12	Bug fix	Fixed the tax integration tests plug-in that adds the given tax item to the invoice.
2012-07-12	Bug fix	Removed EventBasedNotificationProcessor and added EventBasedCustomNotificationTask.
2012-07-12	Bug fix	Removed undesirable plugin. Because grails uses it own improved plugins.
2012-07-12	Bug fix	Fixed issue:- Pricing Models GUI not working on master.
2012-07-11	Bug fix	Resolved exception which was occurred when double clicked on the 'Save Changes' button at order screen page.
2012-07-11	Minor improvement	Uncommented unit test run code.
2012-07-11	Bug fix	Fixed 'ant test' build target to run all tests.
2012-07-11	Bug fix	Corrected the incorrect Title of PriceModePricingTask plugin.
2012-07-11	Bug fix	Fixed ID conflicts in test changelog file(jbilling-upgrade-3.2.xml).
2012-07-11	Enhancement	Added additional pricing tests.

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2012-07-11	Bug fix	Issued an warning and do not fail when the license.txt file has not been set. Useful when merging into customer repository.
2012-07-11	New feature	Added New Feature OverdueInvoicePenaltyTask which is used to create a Penalty order but in this case the it is not a one-time penalty order but a recurring Penalty Order that stays as long as that particular Invoice is overdue. * Performed this action just before the Billing process collects orders that why any overdue Invoice cannot be missed because this task performs its action just before the Billing.
2012-07-10	Improvement	Performed liquibase tasks * Tag database with a version identifier. * Rollback database to a specific version. * Generate a db changelog from the existing DB.
2012-07-10	Improvement	Re-wrote liquibase Gant scripts to use the LB ant tasks. * Less fragile, will work in any environment, consistently allows us to use the default blank jbilling db password * Better control over creating/dropping database * Doesn't require postgres command line tools unless loading db with --create or --hard
2012-07-10	Bug fix	Removed duplicate imports and bad formats.
2012-07-10	Bug fix	Fixed code violations: String literal can be replaced by a character literal to improve performance
2012-07-09	Bug fix	Fixed test order for Billing Process & Provisioning.
2012-07-09	Bug fix	Fixed usage calculation for 'Graduated' & 'Capped Graduated' pricing strategies.
2012-07-08	Improvement	Added rate card entries for mediation tests.
2012-07-08	Bug fix	Corrected wrong item id used for subscription item that was causing test to fail. Test is fixed and now reflects validation of a purchase order for a user subscribed to the plan.
2012-07-08	Bug fix	Removed DROOLS jars, Gant tasks and build targets. * Refactored the RulesBaseTask to bring up all the rules code from the base PluggableTask.
2012-07-08	Bug fix	Removed obsolete rules generator interface from WebServicesSessionSpringBean.java file.
2012-07-08	Bug fix	Deprecated all rules plug-ins.
2012-07-08	Bug fix	Removed rules generation plugins & tools.
2012-07-06	Minor improvement	Deleted all remaining rules DRL files, the Drools related functionality is not defaulted in enterprise release.
2012-07-06	Bug fix	Removed pricing plug-in switch from pricing WS tests.
2012-07-06	New feature	Removed provisioning command rules * Added a new ExampleProvisioningTask for the test suite, and an abstract class for writing new simple provisioning plugins * Removed all remaining rules plugins from the test db
2012-07-06	New feature	Removed cancel fee rules * Updated test DB to use the basic CancellationFeeTask * Added a plug-in parameter to control the quantity of the cancel fee based on the quantity of the item being cancelled. * Removed the ValidatePurchaseRules.drl and CancelFees.drl files * Fixed broken validate purchase tests.
2012-07-06	Minor improvement	Changed file name from jbilling.properties.sample file to jbilling.properties file.
2012-07-06	Minor improvement	Changed column names from 'start_time' to 'start' and 'end_time' to 'end' in mediation_errors and cdentries tables.
2012-07-06	Bug fix	Resolved Sesion Internal Error: constructor changed.
2012-07-05	Enhancement	Removed validate purchase rules * Added a new ExampleValidatePurchaseTask that replicates the test rules * Added an abstract class for new validate purchase tasks that simplifies purchase and usage checks
2012-07-05	Bug fix	Corrected code changes to show validation message only when value more than 10 decimal is added in 'Quantity' field.
2012-07-05	Bug fix	Corrected code changes to show validation message only when user try to add twice special price. So fix is set max result is only 1.
2012-07-05	Bug fix	Resolved exception which was occurred when clicked on 'Cancel' button at "Apply to Invoice" page.

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2012-07-05	Bug fix	Resolved error when user was unable to create purchase order when added 'Rate Card' and 'Quantity Addon' pricing based product.
2012-07-05	Improvement	Modified logic for getLatest Payment to use create_datetime instead of Id.
2012-07-05	Bug fix	Corrected licensee to match the license.
2012-07-04	Bug fix	Fixed item management tests. By replaced ItemsRules.drl with ValidatePurchaseRules.drl.
2012-07-04	Minor improvement	Removed unused rule DRL files. The Drools related functionality is suppressed from the enterprise release.
2012-07-04	Enhancement	Removed item management rules * Added bundle plans that replace that old item management rules * Changed item manager & line total plug-ins to BasicItemManagerTask and BasicLineTotalTask
2012-07-03	improvement & Bug fix	Removed pricing and rate card rules. * Added a simple rate card for pricing tests * Changed price plugin to PriceModelPricingTask * Fixed minor bugs in mediation and rate cards to allow validatePurchase() and updateCurrentOrder() with pricing fields
2012-07-03	Bug fix	Resolved exception is occurred when click 'Save Changes' button at 'Add Mediation Configuration' screen page by adding save functionality.also fixed error when clicking the edit button.
2012-07-02	Minor improvement	Corrected Mediation from jbilling_test.
2012-07-02	Bug fix	Fixed the Mediation error handler bug with null fields.
2012-07-02	Enhancement	Added mediation manual insertion data.
2012-07-02	Improvement	License will not work if the licensee is not matched to the company name of the license in jbilling.properties file
2012-07-02	Minor improvement	Removed default target from setLicense since it was being explicitly setting License key from jbilling.properties file on compiler startup every time.
2012-07-02	Enhancement	Upgrade enterprise license in jbilling.properties file.
2012-07-01	Bug fix	Fixed the mediation tests for the new processor.
2012-07-01	Enhancement	Add example mediation plug-in to prices to test data or to replace testing rules. ExampleMediationTask for mediation tests. Convert mediation plan item to a real plan with GRADUATED pricing.
2012-07-01	Improvement	Externalize the license to a different file to avoid having one in the repository. Add jbilling license key in jbilling.properties file.
2012-06-30	Improvement	Commented out the logging of hibernate SQL in Config.groovy file, it might fill up the disk too fast.
2012-06-29	Enhancement	Added ExampleMediationTask to replace test mediation rules, this MediationTask plugin is used by jbilling tests.
2012-06-29	Bug fix	Commented some troublesome tests that attempted to order others.
2012-06-28	Bug fix	Removed rule generator templates & digester.xml.
2012-06-28	Bug fix	Corrected web manifest line endings issue.
2012-06-28	Bug fix	Fixed prepare-test-db script for Windows & Cygwin.
2012-06-27	Minor improvement	Added more description to the validation message when "the purchase order does not have any applicable periods."
2012-06-27	Bug fix	Removed generateRules API method.
2012-06-27	Bug fix	Resolved wrong status that was displayed on purchase order after edit the order.
2012-06-26	Minor improvement	Separated jbilling-upgrade-3.1.xml script from test data script.
2012-06-26	Bug fix	Resolved issue user is unable to delete any created Plan timeline.
2012-06-26	New feature	Added salesforce event processor plugin.
2012-06-26	Bug fix	Fixed test case for invoice design by updating an assert to check file size in ScpUploadTaskTest.java for new Invoice files designed.
2012-06-26	Bug fix	Provided validation to upload correct file format into 'Blacklist CSV File'. Added validation message "Invalid format for the Blacklist CSV file".
2012-06-25	Bug fix	Fixed broken tests by updating rate value in jbilling-upgrade-3.1.xml
2012-06-25	Bug fix	Fixed issue customer is displayed into 'Related Clerk' drop down at 'New Partner' page. So now only users should be displayed into 'Related Clerk' drop down.
2012-06-25	Bug fix	Resolved error user is unable to edit the period of any created Plan.
2012-06-25	Bug fix	Resolved issue regarding Payment method is not displayed at 'Edit Payment' page.
2012-06-24	Bug fix	Fixed issue Wrong status of the Invoice is displayed when add invoice to other invoice.
2012-06-24	Bug fix	Fixed the error A parent is notified only once for notifyParent and notifyAllParents

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2012-06-24	Bug fix	Fixed issue regarding upgrade.sql for migration from jbilling 3.0.x to 3.1
2012-06-22	Bug fix	Corrected upgrade.sql by removing duplicate sql-s notation file.
2012-06-22	Minor improvement	Changed column names from 'end' to end_time and 'start' to 'start_time' in jbilling_test.sql file.
2012-06-21	Minor improvement	Custom Notification Feature - minor ui change done.
2012-06-21	Bug fix	Fixed error Graduated Cap - error in pricing model calculation on purchase order
2012-06-21	Bug fix	Fixed the bug 'Volume Pricing' and 'Tiered' pricing feature is not working correctly for decimal attribute.fixed by parse item selection tiers to BigDecimal by removing Integer.
2012-06-21	Bug fix	Reverted bug attribute of 'Item percentage Selector' pricing was not updated at order screen page.
2012-06-21	Bug fix	Re-scheduled Tasks using the Scheduler, Re-schedule BillingProcessTask Plugin, MediationProcessTask Plugin, AgeingProcessTask plugin.
2012-06-21	Bug fix	Trial to support rest create multiple users.
2012-06-21	Bug fix	Fixed pricing model unit test error.
2012-06-21	Bug fix	Fixed the error: Wrong total is calculated when add the 'Graduate' and 'Graduate Cap' type product at multiple order line.
2012-06-21	Bug fix	Fixed test case. By updating price assert value BigDecimal.ZERO to new BigDecimal("0.91")
2012-06-21	Bug fix	Fixed the error when Attribute of the item selector is not update according to quantity of item on the order screen page.
2012-06-21	Bug fix	Custom Notification Feature - fixed NotificationMessage
2012-06-21	New feature	Custom Notification Feature added.
2012-06-20	Bug fix	Corrected pricing model calculation on purchase order that was behaving abnormally. After the 'included quantity' range provided on graduated cap product, the each quantity increment should be charged at a cap rate value provided on graduated cap product. Once cap rate reaches to its maximum value level provided on the on graduated cap product after that maximum value will be applied for each quantity increment.
2012-06-19	Minor improvement	Modified the Generic errors messages in messages.properties file.
2012-06-19	Bug fix	Fixed Http rest callout of createUser rest action
2012-06-18	Bug fix	Fixed the build error in WSTest.java (testcase) by checking LONG_DISTANCE_CALL_GENERIC to planItemId.
2012-06-18	Bug fix	Resolved apex rest callout error in RestController.groovy
2012-06-18	Bug fix	Fixed to overcome basic auth redirect to main view in _head.gsp.
2012-06-18	Bug fix	change rest security config for 'IS_AUTHENTICATED_FULLY'
2012-06-18	Enhancement	Added a new finder method - find Entities by Meta Field & Value in MetaFieldDAS.java
2012-06-18	Improvement	Currency Cache and performance optimization. (Conclusion: Do not use properties(getXXX) in Grails controllers) in ehcache.xml,resources.xml,ConfigController.groovy, CustomerController.groovy file
2012-06-17	Bug fix	Fixed currency updation with historical date in /WebServicesSessionSpringBean.java file
2012-06-17	Bug fix	Use an XML data to Object binder to populate UserWS for Rest createUser in DataBinderService.groovy, RestController.groovy, UserHelper.groovy, XmlBinderUtil.groovy file
2012-06-15	Bug fix	configure REST api for spring security-secured REST resource /rest/users/ via BASIC HTTP Authentication in /Config.groovy & RestController.groovy file
2012-06-15	Bug fix	No need to update Null gateway key. So Removed gateWayKey from all methods where it has been used in SaveCreditCardExternallyTask.java file
2012-06-15	Bug fix	Payment is successful for a new creditCard from payment screen.
2012-06-15	Bug fix	Ignore credit card day for comparision in WebServicesSessionSpringBean.java
2012-06-15	Improvement	Update credit Card. By updating Expiry date of Credit Card.
2012-06-15	Bug fix	Fixed null pointer exception when CreditCard number is null.
2012-06-15	Bug fix	Fixed error Plans - can't change the pricing model on a plan when you try to change the pricing model (from Metered to Flat) The pricing model will revert back to the original pricing model - no change is made.
2012-06-15	Improvement	Fixed invoice design with invoice number, removal of hardcoded text and addition of notification messages.
2012-06-15	Enhancement	Custom notifications can be added from GUI

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2012-06-15	Improvement	Updated jbilling-upgrade.xml by adding new changeset for inserting notification_category in jbilling_seqs table.
2012-06-15	Minor improvement	Notification Category gets ID Generation strategy in NotificationCategoryDTO.java
2012-06-15	Minor improvement	Added new ChangeSet to insert notification_category in jbilling_seqs table
2012-06-15	Bug fix	Fixed Notification Category not gets ID Generation strategy in NotificationCategoryDTO.java file.
2012-06-14	Minor improvement	Putting a backtick on the plan keyword, allows hibernate to automatically escape a key word.
2012-06-14	Minor improvement	Added data for the demo application in jbilling-demo_data.xml file.
2012-06-14	Bug fix	Provided a validation not to allow duplicate user name in the application.
2012-06-14	Bug fix	Resolved error Review Report (menu):approve and disapprove buttons don't work , in _confirm.gsp file.
2012-06-13	Bug fix	Resolved exception when try to login with no 'Company' available in the drop down.
2012-06-13	Bug fix	Restored old code to extract xml from request in createUser action in RestController.groovy.
2012-06-13	Bug fix	Fixed error create user of type customer in RestController.groovy.
2012-06-13	Bug fix	Fixed type error in rest controller createUser action
2012-06-13	Bug fix	Fixed error for cast string to integer in RestController.groovy
2012-06-13	Bug fix	Fixed error for property passwordEncoder in RestController.groovy file.
2012-06-13	Improvement	Updated new createUser logic using UserDTO (by removing UserWS.)
2012-06-13	Enhancement	Implemented the new default Invoice design,This will be used by jBilling as a company to invoice its customers, but will also be used as the new default invoice design shipped with the standard jBilling package.
2012-06-12	Bug fix	Modified assert in ScpUploadTaskTest.java for new invoice design test case.
2012-06-12	Bug fix	Removed changeset from jbilling-init_data.xml.
2012-06-12	Improvement	Improved next invoice date calculation in MainSubscriptionWS.java file.
2012-06-12	Minor improvement	Changed subscription event processor task id of pluggable_task_type table in jbilling-upgrade-3.2.xml file
2012-06-12	Minor improvement	Modified the testcase for new invoice design.
2012-06-12	Enhancement	Modified Invoice Design report.
2012-06-12	Bug fix	Modified the assert to check file size in ScpUploadTaskTest.java for new Invoice files designed, that resolved jbilling out of box error.

Version: 3.0
Date: 2011-04-27

Revision	Change type	Description
40660	Enhancement	new User Interface.
40660	Bug Fix	Fixed a rules plugin NPE when file parameter is empty
40659	Enhancement	Removed obsolete createEntity() BL method
40646	Enhancement	Consolidated dependencies with Ivy, removed old Struts UI
40637	Enhancement	Removed obsolete "int" and "float" preference values.
40632	Enhancement	Load jbilling.properties from env JBILLING_HOME
40632	Enhancement	Support for external config files in env JBILLING_HOME
40632	Enhancement	New reporting engine for jbilling reports.
40626	Bug Fix	Fixed a bug recording mediation events. Defensive copies for diff lines.
40626	Bug Fix	Corrected view limit call for OrderPeriodAnticipateTask
		Fixed a bug calculating period end date when order period larger than billing configuration period
40625	Bug Fix	Fixed a bug recording mediation events. Defensive copies for diff lines.
40626	Bug Fix	Fixed a bug recording mediation events. Defensive copies for diff lines.
		CurrencyBI.convertPivotToCurrency converts the currency amount by multiplying it with
		the exchange rate. There was a bug that if the amount was Zero, the return value was
40621	Bug Fix	is of the form E0 10 and fails numeric field validation error in the Price field.
40609	Enhancement	CSV Export for customer, order, invoice, payment and product lists.
		Removed subselect fetch from order line to mediation record line relationship. This
		then lets Hibernate do the fetch in its standard way (with joins). Sub selects can be
40603	Bug Fix	very slow, at least in MySQL.

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		Fixed bug where an exception would happen when invoicing a post-paid order with an
40557	Bug Fix	active until that is after the end of the billable window with pro-rating.
40550	Bug Fix	Fixed CurrencyBL to populate all data in currency list
40549	Enhancement	Added method PaymentBL.unlinkFromInvoice(Integer invoiceId)
40548	Enhancement	Added an extra event_log_message for change to field Invoice if Child
40548	Bug Fix	Corrected Audit message in UserBL.java
40515	Enhancement	Added billable user /w orders billing process filter
40515	Enhancement	Back-port user selector plug-in for billing process
40490	Bug Fix	Fixed file reader bug when using "autoID"
40487	Enhancement	Added UserBL#getCustomFieldLike(...) for CCF lookups with wildcards
40494	Enhancement	Minor changes to help debug internal event rules plug-in
40494	Enhancement	Changed the provisioning rules so they don't need a global variable.
40472	Enhancement	New security and authentication mechanisms using Spring Security.
40457	Bug Fix	Close PDF invoice DB connection after use
40455	Bug Fix	Fixed JDBCReader timestamp marking with configured key columns
40450	Enhancement	Added BOOLEAN field type to file reader. Fixed a LAST_ID jdbc marking
		JDBCReader re-write:
		* Cleanup and re-design of readers for extensibility.
		* Several JDBC performance enhancements and removal of
40449	Bug Fix	Old raw JDBC connection usage.
40397	Enhancement	Two new events created as a part of fix for ACH Support for AuthorizeNet.
		Ach Support for AuthorizeNet. This code will enable storing User's ACH profile
40397	Enhancement	information externally and would also support transactions using ACH method via
		AuthorizeNet.
40438	Enhancement	Read only caching for generic statuses.
40431	Bug Fix	Fixed bug with simple_invoice design. Some fields are now BigDecimal.
40424	Enhancement	Efficient usage calculations.

Version: 2.2.0
Date: 2011-08-24

Revision	Change type	Description
40408	Enhancement	Updated javadoc, moved ACH obfuscation logic into AchBL
		Start up of scheduling plug-ins: Exception handled correctly so as not to exit
40403	Bug fix	processing others.
		Removed the call to the Billing Process from Trigger.java Billing Process is now a
40402	New feature	scheduled job, executed by the BillingProcessTask. Removed a false entry into the
		pluggable_task_type table.
		Fixed an old defect in during Save event;
40401	Bug fix	Possibility of failed updates to the Customer Payment Profile in case the previous
		Payment Profile ID got delete during delete operation.
40400	New feature	Added "gateway_key" column to jbilling-schema.xml.
40399	Enhancement	Added an index to contact.user_id
40397	New feature	Two new events created as a part of fix for ACH Support for AuthorizeNet.
		Ach Support for AuthorizeNet. This code will enable storing User's ACH profile
40397	New feature	information externally and would also support transactions using ACH method via
		AuthorizeNet.
		Added pluggable class BillingProcessTask which executes a schedulable Billing
		Process task. Added JVM Lock to the BillingProcessSessionBean to avoid running
		more than one processes simultaneously. Added a test case for the same in
		BillingProcessTest class.
		Also removed duplicate code from the sub-classes of AbstractSimpleScheduledTask
		by creating a parent class AbstractBackwardSimpleScheduledTask, which extends the
40392	New feature	AbstractSimpleScheduledTask.
		Makes CCFs available to the velocity templates.
		Warning: it only does so for one contact type, the first one it finds (todo: fix this).
		The velocity variable is the same as the name of the property. For this to work the
40388	New feature	property should not be named with dots (.) in the name.
		Fixed issue returning the current order
		* Check for active status of cached order was using

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		identity comparison instead of .equals()
		* OrderDAS.findOneTimersByDate() was comparing date to sql
40382	Bug fix	timestamp instead date-to-date
40379	Bug fix	Bug Fix - Mediation process hung, due to recycling. Moved mediation_process record creation and update method into separate transactions.
40375	Bug fix	BigDecimal updates for simple_invoice_telco design
40372	New feature	API support to retrieve PDF invoice
		Added a mutex lock to MediationProcessTask
		* Prevents the scheduler from starting more than one mediation
40372	Enhancement	process per JVM.
		Duplicate mediation records in database
		* added additional duplicate process checks and
		ensured that a process start is recorded as early
40371	Enhancement	as possible.
40366	Build process	added billing process status tests
		Fixes bug where the status of an unpaid invoice would be changes to 'carried over' by
40361	Bug fix	a review process.
		Fixed ScpUploadTest, renamed dependency jars
		* jsch version 0.1.42
40359	Bug fix	* SecureChannelFacade 0.1 SNAPSHOT
40357	New feature	Added createInvoiceFromOrder(orderId, invoiceId) API method
40357	build process	Added 'reformat -text' to cleanup EOL characters
40357	build process	Fixed test case, added testing method
		ScpUploadTask to upload generated files
		* Scans a path for files matching a given pattern and
40357	New feature	uploads them to a remote host.
		Invoicing Job Monitoring and Alerts:
		- added tests for comparing processed users quantity;
2010-06-24	New feature	- reference database dump updated.
40352	Enhancement	MediationConfiguration param added to mediation error handlers
		Added PluggableTask#getParameter() convenience methods
		* Moved often repeated getParameter() functions to the base
		PluggableTask class. Allows easy access to plug-in parameters
		with error handling & default value support.
		* May require existing plug-ins to be updated, as the method
		signature of these methods is "public" and may be less
		restrictive than overriding method access (plug-ins often
40352	Enhancement	implement these methods as "protected").
40352	Enhancement	Added MediationRecordLineDAS#findByInvoice(...);
		InvoicesGeneratedEvent and billing process cleanup
		* Event is emitted whenever an invoice is generated, either
40352	Enhancement	by a batch process or invoice generating API calls.
		New generateRules API method and plug-in. XML formatted data is passed in to
		generate and compile rules from a Velocity template.
40351	New feature	For 'ant test-ws' to pass, set 'rules_scanner_interval=5' in jbilling.properties.
40346	Enhancement	FakePaymentProcessor updates for ACH
40345	New feature	API support to get/set user's ACH parameters
40339	New feature	Encrypt ACH details and obscure in GUI
40338	Enhancement	JBRULES -2253 - Changed MVEL optimizer to "reflective"
		Mediation process: Updated exception handling to catch Throwable exceptions, which
40338	Enhancement	should catch ALL possible exceptions.
		Fixed MediationRecordDAS#findNewestByKey()
		* Incorrect order, was returning oldest record
40333	Bug fix	first instead of the newest record
		Mediation trigger and exception handling updates
		* MediationSessionBean#trigger() now requires an entityId
		as a method param - mediation is triggered per entity by
		the schduled MediationProcessTask plug-in.
		* Updated trigger exception handling, exceptions thrown from
		the rules engine are logged instead of throwing a
		SessionInternalException which allows additional mediation

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		configurations to run if one errors. Ensures that mediation_process
40331	Enhancement	end_date is still set even if an exception is encountered.
		Switched to the activemq connection factory for JMS (from the one from
		Spring)commons-pool.jar: Version 1.5.4.
		Needed for the active mq pool of jms connections.
40329	Enhancement	activemq-pool.jar: Version 5.3.2. Needed for the pooled jms connection factory.
40324	Bug fix	Fixed bug where some tables were left inconsistent after creating a new company
		MySQL schema change for mediation process check
		* Mysql schema is slightly different than the postgresql/oracle
		schema - the end_datetime does not default to null, which breaks
40324	Enhancement	the duplicate mediation process check.
40324	New feature	Added router based on payment instrument (credit card or ACH).
		Standalone mediation process scheduled plug-in
		* Moved the mediation process out of the "Trigger" schedule
		into its own scheduled plug-in. Allows finer grained control
		over the mediation process and it can be on a different schedule
		from the other jbilling batch processes.
		* MediationSessionBean#trigger() can now only spawn one mediation
		process at a time. Running mediation processes must finish before
40323	New feature	another process can be triggered.
		Authorize.Net CIM, update customer profile
		* Customer and contact updates to trigger an update
		Of the Authorize.Net CIM profile.
		* Removed a condition preventing NewContactEvent credit
		cards from being processed by the external store if
40318	Bug fix	was already saved and obscured (we should leave it to the
		Payment task to decide if it will be processed or not).
		processPayment() without PaymentWS methodId
		* Allow payments to auto-discover method id based on
40316	New feature	the payment instrument used. It is no longer necessary
		to set the payment method id when making a payment.
40311	Enhancement	Added one-time order queries
40305	Bug fix	changed datatype to numeric for remaining 3 tables
40305	Build process	Refactored testFloatConversion to better reproduce precision loss
40304	Bug fix	eliminate unnecessary BigDecimal object creations
40304	Bug fix	added test for float conversion
40304	Bug fix	Remove remaining usage of float/double
40301	New feature	Paypal external storage task
		Added options for handling external store failures
		* param 'removeOnFail' if true, credit card will be marked as deleted
		and removed from the user_credit_card_map if the external store
		returns null
		* param 'obscureOnFail' if true, credit card will still be obscured
		if the external store returns null. Use if credit cards should never
		be stored in plain-text
		* Updated the PaymentFakeExternalStore task to allow testing values
40295	Enhancement	to be returned from the fake external store. 'return_null' will
		return null if true, 'return_value' explicitly sets the return value.
40284	Enhancement	The api logging now handles array returns, plus a minor comment for a hibernate
		query.
		New credit card events should be triggered only by user credit cards
		It was triggering new events even for credit cards that are linked to
40283	Bug fix	payments. It was a bug to relate to a user a credit card that is saved
		only because of a payment.
		Authorize.net integration. This plug-in now sends the credit card information for storage
40281	New feature	in authorize.net. The plug-in does not use CCF any more. Instead, it uses 2-1 external
		storage callbacks.
40277	Bug fix	Fix: the log should be updated before the dynamic balance changes. It was creating
		the event logger row with the new balance.
40277	Bug fix	Contact changed events should be triggered only for user contacts. It was doing it for

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		all contacts, so a new invoice would generate an event
		Events of an order having been modified are now triggered after the order is saved.
40277	Enhancement	This allows for changes to the order from a plug-in that subscribes to NewQuantityEvent InternalEventProcessor Catch All & new IDGenerator * Allow for InternalEventsTask plug-ins to subscribe to "all" events by specifying the "CatchAllEvent". * HibernateIdGenerator class to allow the generation of a unique id
40276	Enhancement	from the jbilling_seqs table - using the same mechanism that hibernate uses when persisting new entities.
40273	New feature	Add ability to create Item Types via API
40268	Bug fix	Fixed an NPE in edit order when price is null
40266	Enhancement	Round simple prices to BIGDECIMAL_ROUND
40260	New feature	Payment processing plug-in for integration with PayPal.
40256	Bug fix	Fixed bug where there would be a NPE when a one-time order for the needed date was present with a 'finished' status. Fixed a bug to allow re-reading of errored events * Fixed an NPE when the SaveToJDBCMediationErrorHandler encountered a null timestamp. * Added code to the SaveToJDBCMediationErrorHandler to remove error columns (should_retry, error_message, timestamp) to allow for records read from the error table to error out again. * Added a unique ID to MEDIATION_RECORD to allow previously failed records to be re-processed by the mediation reader. ID_KEY is no longer the primary key!
40255	Bug fix	
40252	New feature	Simple tool to generate rules drl from a CSV. Generates rules drl files from a given velocity template and a CSV data file

Version: 2.1.1
Date: 2010-05-24

Revision	Change type	Description
40324	Bug fix	Fixed bug where some tables were left inconsistent after creating a new company
40298	Bug fix	Updated MediationTest pricing from master.
		JDBCReader batching fixes * Updated batching with JdbcTemplate, reader now increments LAST_ID correctly when reading. * Added support for BOOLEAN data types. JdbcTemplate does not allow BIT and TINYINT types to be treated as Integers without conversion - Boolean data type solves this and adds a spiffy new feature.
40298	Bug fix	Conflicts: classes/com/sapienter/jbilling/server/mediation/task/JDBCReader.java Test/leonid/com/sapienter/jbilling/server/mediation/LeonidMediationTest.java
		Bug #245 - Exception with currency conversion
40297	Bug fix	Fixed ArithmeticException with division of currency rates.
40288	Bug fix	LIE exception when adding order to invoice.
40288	Bug fix	Merge branch '2-1' of git://jbilling.git.sourceforge.net/gitroot/jbilling/jbilling into 2-1.
40288	Bug fix	The general test target should reload the application after the DB was loaded.
40288	Bug fix	Fixed payment processing with stored gateway keys.
		Authorize.net CIM payment task was
40284	Bug fix	*updated to use the external credit card storage gateway and *obscures all one-time payment credit cards.

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40284	Bug fix	SaveCreditCardExternally - only save user CC's * Updated to always emit a NewCreditCardEvent - required for other plug-ins that may depend on this event to signal persistence of a credit card * Updated SaveCreditCardExternally task to only save process NewCreditCardEvent's where the credit card has an associated user
40284	Bug fix	Bugfixes for the SaveCreditCardExternallyTask.
40283	Bug fix	New credit card events should be triggered only by user credit cards. It was triggering new events even for credit cards that are linked to payments. It was a bug to relate to a user a credit card that is saved only because of a payment.
40261	Bug fix	Company creation does not fail due to virtual tables. Tables that exists only in jbilling_table but do not have a real DB table would cause the company creation to fail. The latest was balance_type.
40261	Bug fix	Added missing invoice.status_id column.
40261	Bug fix	Removed old comment.
40255	Bug fix	Changed detection of masked CC numbers. *Should be more flexible, this will allow clients to change the masked credit card number format without breaking existing functionality.
40249	Bug fix	Removed DB lock from summary table for the billing and payment processing. The billing process, when running, would update some statistics in process_run_* tables. Same for the MDB that process payments. They don't do this anymore, these tables are updated only at the end of the process run. For queries of them while the process runs (GUI), normal SQL queries are used.
40225	Bug fix	Bugfixes for the SaveCreditCardExternallyTask

Version: 2.1.0
Date: 2011-03-11

Revision	Change type	Description
40248	Enhancement	The billing process and the payment processing do not lock rows. This was degrading performance on Oracle.
40245	Bug fix	Bug fix: crypto classes are not thread safe. Replacing singleton with standard class instance.
40242	Enhancement	Changed default batch size value from 1000 to 100
40210	New feature	Added a JDBC mediation error handler
40207	New feature	Completed support for plans and subscriptions for the mediation and rating process.
40199	Bug fix	Order notes are trimmed if they are longer than 200 characters.
40199	Bug fix	Bug fix: api create invoice call would not generate an invoice when parent has an order but there is a child without applicable orders.
40197	Bug fix	Fixed loading rules assets, replaced custom cache with Drools agent.
40191	Bug fix	Increased PLUGGABLE_TASK_PARAMETER.STR_VALUE to 500 characters to allow for multiple rules package url's
40191	Bug fix	Fixed memory usage of mediation process: no need to keep all records associated to the process.
40186	Build process	Changed remote session beans to use Spring's HTTP Invoker
40185	Build process	Updated tests to reflect recent mediation rule changes
40184	New feature	Added error handling to the mediation process
40170	Build process	Mediated records now hold a status reflecting the outcome of the mediation
40170	New feature	Added a 10,000 event mediation test
40170	New feature	Selection of users to include in the billing process is now in a plug-in (new category). Some helper fields for Payment.
40170	Bug fix	Now using digester version 1.8.1 - Solves issues with mediation module under Windows
40169	Bug fix	Fixed bug where the batch size was not respected when processing multiple files for the mediation process. Also added a guarantee that the files are processed in order with oldest first.
40164	Build process	Simplified the "first 1000 included" rules
40163	Enhancement	Added a SubscriptionRequest object to allow for batching of subscription based rules

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40156	Bug fix	NPE in NotificationBL for lines with null "is percentage" values Updated jasper report for BigDecimal
40154	Bug fix	Owing balance should consider all invoices (paid and not paid). It was excluding paid invoices with negative balances.
40151	Bug fix	Fixed an NPE when changing user password
40151	Bug fix	Fixed bug where orders starting on the last day of the month and with pro-rating would use wrong periods. Fixed several issues with previous commit as well.
40149	Enhancement	Added support for DST in pro-rating calculations
40149	Build process	Added an example rate card for mediation pricing.
40148	New feature	The mediation process takes a batch of records for rules processing, instead of one at a time. Also added a cache for fetching the current order.
40147	Enhancement	Replaced all floats/doubles with BigDecimal
40142	Enhancement	Minor improvements to PricingField (size & speed).
40141	Bug fix	Restored triggering of NewQuantityEvents by mediation process and updateCurrentOrder API method.
40139	Bug fix	Minor fix to updateCurrentOrder API method: order lines created by the mediation process use the event date passed by the client, instead of using 'now'.
40136	New feature	Applied payments (cheques) can also be automatically linked to invoices.
40134	Bug fix	Minor fix to credit cards
40133	Enhancement	Added method name to the error message from API exceptions
40130	Enhancement	PricingField is backed by a single String.
40126	Bug fix	Fixed currency handling of getItem API method
40126	Bug fix	Fix to invoice report
40124	Enhancement	Moved logging and exception handling for the API to AOP. Cleaned up some old NamingExceptions.
40123	New feature	Added rateOrders API method
40123	Enhancement	Changes all Vectors to List/ArrayList
40122	New feature	validatePurchase API methods return a 'success' value of 'false' if the mediation rules throw an exception.
40120	New feature	The mediation plug-in takes an array of results as parameter, to allow callers to specify known fields such as the user id or the date.
40119	New feature	Auto-recharge feature: when the prepaid balance goes below a threshold, it triggers an automatic payment.
40119	Bug fix	Fixed bug that prevented setting the default currency of a customer
40118	New feature	Dynamic balance now takes into account pro-rating when orders are added to an invoice.
40115	New feature	WorldPay plug-ins for both standard and external credit card processing.
40114	Bug fix	Fixed connection leak: GUI customer screen
40114	Bug fix	Fix to items screen, problem introduced in recent float to bigdecimal conversion
40110	New feature	High performance mediation process.
40110	Build process	Upgrade of dependencies jars.
40109	Enhancement	Added paymentId to the PaymentAuthorizationDTO returned by the API.
40109	Bug fix	Fix to processPayment API method: PaymentAuthorizationDTO id is now returned correctly.
40107	New feature	New API method getUserInvoicesByDate: returns invoice ids for the user for the given date range.
40106	Enhancement	FileInvoiceExportTask can now take a relative filename from the 'jbilling/resources' directory.
40106	Build process	export' ant task now includes JasperServer webapp. Dump JasperServer database to 'jbilling/src/reports.sql' before running.
40105	New feature	High performance rules processing: pricing
40105	Enhancement	Conversions from Float to BigDecimal
40102	New feature	API method processPayment does not require a credit card. If it is not present, it will fetch the one on file for the customer.
40101	Bug fix	Fix for creating orders through the API: The language of the customer of the order is now used for order line item descriptions.
40100	New feature	Support for storing credit card information externally.
40099	Bug fix	The filter processor (black list) should not trigger 'unavailable' events.
40098	Build process	Configuration change for RMI to prevent errors when the application is restarted.
40098	Bug fix	Cascades the locks to the order lines. Needed to avoid optimistic locks errors when the provisioning module is active.
40095	Bug fix	Fixed minor bug in findIdsByUserAndItemTypeLatestFirst query

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40095	Bug fix	Fix to mediation SeparatorFileReader: prevent trailing empty fields from being discarded.
40093	New feature	New API methods: get items by category and get all categories.
40092	New feature	Penalty task now part of the ageing process. Added GUI support to the new invoice status.
40087	New feature	Changes to preserve the balance of carried over balance. Includes a new status for invoices: 'carried over'.
40080	New feature	New payment processor plug-in: Payments Gateway / ACH Payments
40079	Bug fix	Fixed bug where languageld wasn't being saved to the database for users created through the API.
40079	New feature	New validateMultiPurchase API method. Allows multiple items and/or groups of pricing fields to be validated in one call.
40073	New feature	Dynamic balance validation and modification now work with customer hierarchies.
40072	New feature	The user affected by an event is now saved by the event logger. Customer related event logs are now exposed to the GUI.
40067	Build process	Addition to jbilling jars to image and export targets
40065	Enhancement	Updated validatePurchase rules to run when no previous item has been ordered. UserBalanceValidatePurchaseTask can handle items priced at zero gracefully.
40063	New feature	validatePurchase API method now runs pluggable tasks. New RulesValidatePurchaseTask. Fixed bug in security checks for updateCurrentOrder and getCurrentOrder API methods.
40056	Build process	New 'export' ant task that packages jBilling ready to be unzipped into fresh Tomcat installations. Dump the current database to 'jbilling/src/data.sql' before running.
40052	New feature	The main order is passed with UserWS in the API and it is also updated if it is passed when calling updateUser
40050	Build process	Changes in build to package for tomcat (2.0.0 release)
40050	Enhancement	Made pricing rules helper object more accessible (needed for drools guvnor embedded decision tables).
40050	New feature	WorldPay payment processor plug-in
2009-08-23	Enhancement	API: updateCurrentOrder and validatePurchase methods now run the mediation rules if not itemId is passed. Rules executed by RulesPricingTask now have access to Subscription info.
2009-08-17	Bug fix	Fixes to web services when using CXF. New XML to force SSL connections in webxml
2009-08-16	Bug fix	Fixed DB connections leak in the order expiration notification process.
2009-08-12	New feature	Payments processed without an invoice can now search for unpaid invoice and pay them (if the billing process configuration has auto-payment set).

Version: 2.0.1

Date: 2009-11-11

Revisions included: from 673 to 738 (support branch only)

Revision	Change type	Description
731738	Bug fix	Fixed bug that prevented setting the default currency of a customer
723	Bug fix	Fixed connection leak: GUI customer screen.
699	Bug fix	Fix for creating orders through the API: The language of the customer of the order is now used for order line item descriptions
696	Bug fix	The filter processor (black list) should not trigger 'unavailable' events.
689	Bug fix	Fixed minor bug in findIdsByUserAndItemTypeLatestFirst query
678	Bug fix	Fixed bug where languageld wasn't being saved to the database for users created through the API

Version: 2.0.0

Date: 2009-08-07

Revisions included: from 532 to 657

Revision	Change type	Description
657	Bug fix	Fixed manual credit card partner payouts.
656	Enhancement	Pre-compilation of JSP pages. Switch from JBoss to neutral (all in the war file).

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652	New feature	New API method: 'PaymentAuthorizationDTOEx processPayment(PaymentWS payment)'. Allows payments from arbitrary credit cards to be processed.
651	Enhancement	New telco invoice design that lists events in an appendix. Invoice designs can now optionally get an SQL connection to query the database directly for data.
649650	New feature	PaperInvoiceNotificationTask can now select an invoice design based on the customer's language.
647	Build process	Entity creation: Can refresh the tables even if one fails.
641642	Enhancement	Connection pooling with c3po version 0.9.1.2
635637644	New feature	Added API method validatePurchase. It checks the dynamic balance against the price of the given item.
632	New feature	Two new api methods: isUserSubscribedTo and getUserItemsByCategory
630	New feature	Account hierarchy can be N levels deep (instead of only 2). A customer then can be both parent and child at the same time.
626645	New feature	Two new API methods related to mediation: 'OrderWS getCurrentOrder(Integer userId, Date date)' and 'OrderWS updateCurrentOrder(Integer userId, OrderLineWS[] lines, PricingField[] fields, Date date)'. Allows the mediation current one-time order to be returned/updated.
6.256276E+020	New feature	Dynamic balances support: pre-paid balances and credit limits.
624	New feature	Added a real-time calculated 'owing balance' to the user information
623	Enhancement	Removed user pricing code and added an item price cache.
622	New feature	New events-to-rules plug-in. Allows rules to be run when events it subscribes to (configured in Spring) are triggered.
621	New feature	New API method: Integer[] createInvoice(Integer userId, boolean onlyRecurring). Generates invoices for orders not yet invoiced for this user. Optionally only allow recurring orders to generate invoices. Returns the ids of the invoices generated.
620	Bug fix	Fixes to various reports
619	Bug fix	Invoice balance was not considering negative balances.
614	Bug fix	Fixes to partners module.
609	New feature	New invoice filter that only allows invoices with a negative balance to be carried over.
608638	Enhancement	FileInvoiceExportTask 'totdue' column now includes the balances from previous invoices.
591	Bug fix	Reports: Order lines fix
564	Build process	Build converted for Tomcat. jBilling and required jars will package into a single WAR file, excluding some configuration files (which must be on the runtime classpath) and the resources directory.
560	Enhancement	MMSC external provisioning plug-in can now communicate with the real web service.
554	Enhancement	Removed remaining unnecessary javax.ejb.* exceptions.
548, 557	New feature	New event on invoice creation and plug-in to save a new invoice to a text file.
543	Enhancement	JMS code converted to use Spring and ActiveMQ. jBilling is no longer dependent on JBoss for any services.
532	Enhancement	Web services converted to use Spring and CXF. Four remoting protocols supported by jBilling API: SOAP, Hessian, Burlap and RMI.

Version: 1.1.4

Date: 2009-07-23

Revisions included: from 532 to 643 (support branch only)

Revision	Change type	Description
643	Enhancement	Switch to c3po as database connection pool
640	Bug fix	Fixed bug where review invoices would be getting real invoices delegated.
618	Bug fix	Fixed bug where deleting an item type would fail.
616	Bug fix	Fixed bug where delegated/included invoices weren't linked to the new invoice correctly
613	Bug fix	Fixed mediation configuration GUI screen NullPointerException when submitting a new configuration
605	Bug fix	Fixed bug where the list won't update in the batch process.

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599	Bug fix	Fixed bug where only the last invoice was considered to transition a customer from pending unsubscription to unsubscribed.
598603	Bug fix	Fixed potential locks between process and payment in retries.
596	Bug fix	Fix for order creation from rules.
592	Bug fix	Fixed two bugs: optimistic lock when an invoice with paper notification is paid in the billing process, and storage of notifications archive lines.
558	Bug fix	Needs to lock invoices that generate pdf files.
555	Bug fix	Fixes to list stats process and entity creation.
552, 606	Bug fix	Fixed bug where the billing process would not generate the paper invoice batch file.
550	Bug fix	Fixed bug where emails would be sent only to the last in the list.
547	Bug fix	Fixed bug where the billing process would not be able to update the next run date.

Version: 1.1.3

Date: 2009-05-19

Revisions included: from 411 to 531

Revision	Change type	Description
528	Enhancement	Remote beans should initialize lazily, so only those needed by the client have to get their dependencies satisfied.
527	Bug fix	Fixed bug for paypal payments
518	Enhancement	Confirmation page for user delete - validation of user name up to 50 char. - User deletion verifies that there aren't children accounts.
517	New feature	Added 4 new getters to the API
516	Bug fix	New detach method for AbstractDAS. Order optlock no longer incremented when GUI reads an order.
513	Enhancement	JDBCReader no longer needs 'last id' preference to be initially set by user. Added id generator to PreferenceDTO.
512	Bug fix	JDBC reader: Added one space so it doesn't fail where there's not extra 'where'
511514515	Enhancement	Switch to local transactions / data source.
508	New feature	New MMSC external provisioning plug-in.
507	Enhancement	Partial conversion of WebServicesSessionBean to Spring. Transactions handled by a new Spring managed bean, WebServicesSessionSpringBean, but original WebServicesSessionBean EJB still handles web services.
505506	Enhancement	Now you can delete orders from rules.
504	Enhancement	Conversion of ProvisioningProcessSessionBean to Spring.
503	Enhancement	Conversion of BillingProcessSessionBean to Spring. Some session beans are also now accessible remotely via RMI for tests.
502	New feature	Added barcode support for PDF invoices
501	Bug fix	Struts needs an Integer, not an int to work. Fixed problem with Plug-ins GUI.
500	Enhancement	Conversion of ReportSessionBean to Spring.
499	Enhancement	Conversion of MediationSessionBean to Spring.
498	Enhancement	Conversion of PaymentSessionBean to Spring.
497	Enhancement	Conversion of PluggableTaskSessionBean to Spring.
495	Enhancement	Conversion of OrderSessionBean to Spring.
494	Enhancement	Conversion of InvoiceSessionBean to Spring.
493	New feature	Added SSL authentication support for emails in BasicEmailNotificationTask.
492	Enhancement	Conversion of UserSessionBean to Spring.
491	Enhancement	Conversion of ListSessionBean to Spring.
490	Enhancement	Conversion of CustomerSessionBean to Spring.
487	New feature	PaymentRouterTask is now PaymentRouterCCFTask. New PaymentRouterCurrencyTask that routes payments according to currency. Both these classes inherit from a new AbstractPaymentRouterTask class.
486	New feature	TLS security support for emails.
485	Enhancement	Obsoleted promotions, in favour of rule based promotions.
483	Bug fix	Fixed bug where the currency would be ignored when creating a user from the API
482	Enhancement	Mediation performance improvement.
481	New feature	Added the 'autoID' parameter for file readers, and made all fields optional.
480	Enhancement	Added removal of quotes for CDRs in files.
477478479	Enhancement	Migration of remaining entity beans to JPA.
476	New feature	API: New getChildIds() method for UserWS. Returns the ids of sub-accounts in an Integer[].

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474	New feature	New provisioning status column for order lines in GUI. Status tables consolidated into a single table 'generic_status', discriminated by ids in 'generic_status_type'. Status DTO classes now inherit from a new AbstractGenericStatus class. Their DAS classes inherit from a new AbstractGenericStatusDAS class.
469	Build process	Switch to postgres for build.
467	New feature	Added velocity tools to all notifications
466	New feature	New CAI external provisioning plug-in. Builds final command string and communicates with the CAI system via Telnet.
464	Bug fix	Notification ageing message gets the latest overdue invoice, rather than just the latest invoice.
456	Enhancement	Avoids submitting payment requests for invoices with 0 balance
455	Build process	Added rules compilation target to test target
454	Enhancement	Conversion of Menu Option to JPA
450	Enhancement	In RulesItemManager, added OrderDTO to the rules memory context.
447	Enhancement	Usage of a plug-in for subscription status transitions is now optional
444	Enhancement	RulesItemManager.OrderManager has new percentageOnOrderLine helper method - can add a percentage item with its amount calculated using another order line's amount.
442	Enhancement	Moved the definition of the number of sections for a notification to the plug-ins. Then changed the notification plug-in to use 3 sections and send HTML with text alternatives (if a parameter is present).
440441	New feature	Replaced custom template engine by Velocity for notifications.
439	Enhancement	Conversion of Notification session bean to Spring.
438446	Enhancement	Migration of Reports to JPA.
437	New feature	New external provisioning module. It translates commands from the provisioning commands module and sends them to plug-ins which communicate with external provisioning systems.
436	Bug fix	Orders from the GUI need to have the currency of the customer.
435	New feature	Subscription status changes to 'active' only if an invoice related to a specific item type is being paid.
433434		Conversion of ItemSession to Spring
432	New feature	Emails can be in HTML format
431448	Enhancement	Migration of Notification to JPA.
430	Enhancement	Removed NewOrderSessionBean. It was the only stateful session bean in jBilling.
427	New feature	New provisioning commands module. It allows external systems to be notified and respond to events that occur in the billing system.
426428	Enhancement	Migration of List to JPA
425	New feature	Allow item management rules to create new orders.
422	Enhancement	PricingField modified to allow null values.
421423	New feature	Recording of every event that affects an order line, with a new screen in the GUI to list them.
420424	New feature	New JDBC and MySQL mediation reader plug-ins. Fixed a mediation process bug related to Hibernate.
419	Enhancement	Cache defaults for the ItemDTO group of tables.
418	Bug fix	moved the mediation process above the billing process
417	Bug fix	Fixed PaymentFilterTask plug-in parameter name bug: 'enable_filter_cc_number' was accidentally 'enable_filter_test'
416	Enhancement	Migrated all Item related entity beans to JPA.

Version: 1.1.2

Date: 2008-11-20

Revisions included: from 345 to 410

Revision	Change type	Description
410	Enhancement	Fixed the rules 'file' plug-in parameter to work with multiple files again, whether the path/s are absolute or relative from 'jbilling/resources/rules'.
409	New feature	Invoices with credit balances can have their credit payments delayed until the next invoice.
408	Bug fix	Fixed bug where calling 'payInvoice' would create a payment without a date.
407	Bug fix	Fixed bug where the customer 'exclude from ageing' can not be unchecked.
406	Bug fix	Fixed RefundOnCancelTask to correctly calculate percentage item order line amounts for refunds.

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405	Enhancement	Exclude suspended users from the billing process.
404	Bug fix	Fixed bug where additional contact types could not be created for a customer.
400-403	Bug fix	Avoids loading all the customers of a company for the billing process.
399	Bug fix	Fixed bug where the servlet up check was not working, it did not have a transaction context.
396/397	Enhancement	New API methods to manipulate items and rate orders.
395	Bug fix	Payments not attempted due to lack of a payment instrument (expired cc), should still increase the attempts on the invoice.
391	Enhancement	Queries related to contract fulfillment work now on invoices (paid and not paid).
389	Bug fix	Fixed currency symbol/code mixup.
386	Bug fix	Several fixes to post-paid contract support
385	Enhancement	New internal event for invoice generation
383/384	Bug fix	Fixed bug related to custom fields in PDF invoices.
381	Bug fix	Fixed bug where the item number was ignored when creating a new item.
380	Bug fix	Changing an credit card should invalidate pre-authorizations.
379	Enhancement	Makes the client API thread safe
378	Enhancement	Conversion of Contact entity beans to JPA.
372	Enhancement	Conversion of Permission and Preference to JPA
370	Enhancement	Added an 'integer' version of getQuantity, to simplify rule writing
361/363/364/365/366/367/368/369/375	Enhancement	Migration of User, Entity to JPA
360/373/376/377/382/387/390/393	New feature	Blacklist: Fails payments for users that are present in a list of known bad credit cards.
359/362	Enhancement	Added custom contact fields as simple objects in the memory context for pricing rules.
358	Build process	Fixed mediation junit test
357	Bug fix	Fixed bug where the cancellation of only a few items only calculated 1 period for cancellations fees.
356	Enhancement	Added default value for order.cycle_starts
355	New feature	Added processing of credits and cancellation fees for changes in an order (add/delete/update a line).
353/354	Bug fix	Fix to exception when getting list of orders as a customer.
352	Enhancement	Primary contact should show up first in the drop down box.
351	Bug fix	Fixed bug that stopped the ageing process when notification lines where retrieved in the wrong order.
350	Enhancement	Added timeout to Axis API and entry/exit logs to API.
349	New feature	Payment processor plug-in for Authorize.net CIM.
348	New feature	Automatic penalties for early plan cancellation
347	Bug fix	Fix bug where the cancellation fails due to the order in the event being detached from the db session.

Version: 1.1.1

Date: 2008-07-01

Revisions included: from 311 to 344

Revision	Change type	Description
344	New feature	Quantities of items in the order lines can have decimals.
343	New feature	New plug-in category to process internal events, and first implementation to handle credits for early subscription cancellations.
339	New feature	New payment processor for integration with Intrannuity gateway.
333, 340, 341	New feature	Added order support for Pro-Rating
325, 327, 332	New feature	New payment processor for integration with Bean Stream gateway.
323, 324, 328, 329, 330, 331, 337, 338	Enhancement	Migrated all Order related entity beans to JPA
322	New feature	New payment processor for integration with Sage Payments gateway.

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320	Bug fix	Fixed bug where one line too many was added on the one-time order in the mediation process. Also, eliminates memory leak by clearing the drools session.
319	Bug fix	Fixed bug where the 'processor unavailable' event would not trigger transitions to the subscription status.
318	New feature	Support for PayPal subscriptions: accepts IPN payment without an invoice id
317	Bug fix	There was a wrong foreign-key in the database initialization for a mediation table.
315	Enhancement	Special consideration for monthly orders that start on the 31 st of a month, so they keep being invoiced on the last day of every month.
314	Build process	Rules packages are first removed before unit testing.
313	Build process	Pre-compilation of JSP pages can now be done on Linux
312	Bug fix	Fixed database initialization, a column had the wrong data type.

Version: 1.1.0
Date: 2008-03-12
Revisions included: from 276 to 310

Revision	Change type	Description
310	Enhancement	Returns a Calendar object as a convenience method for pricing objects.
307	Bug fix	Fixed bug where NULL objects could make it to the rule's working memory
306	New feature	New plug-in that does return credit cards without validation (for using expired credit cards).
305	Bug fix	Fixed bug where the lack of a credit card did not update the subscriber status. Also added additional event logging.
304	Bug fix	Various fixes to mediation rules code.
303	New feature	Added duplicate record validation for the mediation process.
302	Bug fix	The review process should not update the subscription status to 'unsubscribed'.
299300	Bug fix	Removed the public schema from DDL annotations
297298	Enhancement	Switched the 'getUserId' API call to JPA.
296	Enhancement	The flag for pre-authorizations is now shown for payments in reports and the payment info box.
2.942953E+014	Enhancement	When updating the next day to invoice of an order, the latest invoice period is also updated accordingly.
292293	Enhancement	Sames as 291, also enabled full JTA for JPA and use of the JBoss datasource.
291	Enhancement	Ported the 'event_log' table from entity bean to JPA.
290	New feature	Added ability to process mediation events from different billing periods, with multiple one-time orders participating.
289	Enhancement	Improved API method getLastOrders. It does not return deleted orders any longer.
287	Bug fix	Fixed object update procedure for rule-based plug-ins
284	Bug fix	Fixed bug related to removal of lock in revision 271

Version: 1.1.0 RC1
Date: 2007-11-27
Revisions included: from 243 to 275

Revision	Change type	Description
274275	New feature	Mediation module
273	Enhancement	Cached the tables IDs to improve performance and avoid locks/deadlocks.
271272	Bug fix	Another fix to locking issues. This time when looking for the entity id of a user.
270	Build process	Added unit tests for the rule based pricing plug-in
269	New feature	Extended functionality for item associations and new rules based plug-in for item pricing.
268	Enhancement	API:Not having a valid credit card does not throw an exception any longer, it returns null.
263-267	Bug fix	Replaced binary conversion from base64 to hex after finding some cases with incorrect conversion
262	New feature	Added a new plug-in type with an implementation to allow complex item relationships using Drools.
261	Bug fix	The validation of dates was done with the current date, rather than the order's creation date.
260	Bug fix	The API method getUserByStatus misused the parameters
259	Enhancement	Allow the cc number to be null for calls to updateCreditCard. In this case, the number is left unchanged.

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258	New feature	New API method to get all subscriber status transitions after an ID
257	New feature	Search a customer by the last four digits of the credit card
256	Build process	Changes to billing process unit test to complete the 1000 invoices test.
255	Enhancement	API: getOrder should be able to return a deleted order.
254	Bug fix	JMS uses in-memory communication (JVMIL)
254	Bug fix	queries for list of users to the API run on direct JDBC connections
254	Enhancement	user creation from the API assumes credit card is used for automatic payment processing, if a cc is present.
254	Enhancement	New fake email notification task to facilitate testing
254	Build process	test database now has 1000+ users for better unit testing
253	Enhancement	Keep the open files at a minimum when compiling PDF invoices into a single file.
252	Bug fix	Make sure the temporary invoice files are closed after they are compiled in one single PDF.
251	Enhancement	Downloading the invoices for a billing process only includes those customers that have PDF invoice delivery method
250	Bug fix	Migrated the four entity beans related to pluggable tasks tables to JPA. This solved the locking problem for the payment notifications of the billing process.
249	Bug fix	Subscription status 'expired' can only be reached from status 'pending expiration'.
245	Enhancement	Child customers that can receive invoices should be included in the standard customer list.

Version: 1.0.9

Date: 2007-08-23

Revisions included: from 211 to 242

Revision	Change type	Description
242	Bug fix	Fixed bug where entering commission ranges for a newly created partner fails.
241	Bug fix	Fixed bug where the subscriber status would not be initialized in the user edit screen.
240	Bug fix	Fixed bug, where a null pointer exception would be thrown if there are no companies at the order notifications.
237238	Bug fix	API updateUser: Should not validate the password if it is not to be changed
236	Bug fix	It now makes sure a transaction id generated by the test processor does not exceed 20 character.
235	Enhancement	Improved a confusing error message for the API factory.
234	New feature	Added deleteInvoice API method
233	Enhancement	Allows credit card and contact to be null when calling 'updateUser'. If they are, they are not updated.
232	Bug fix	Bug fix: Closes stream used for the invoice design files.
231	Enhancement	Added the thread information to the logging on jbilling.log
230	Bug fix	Data initialization fix: The description of the task type category has to be shorter
229	Bug fix	Fixed bug where the subscription status would change from pending unsubscription to unsubscribed before the end of the subscription.
228	Bug fix	Fixed minor bug on the subscription transitions report.
227	Enhancement	Only includes active or overdue customers to the credit card about to expire notification.
225226	Bug fix	Removed lock when using a pluggable task: billing process could fail when sending payment notifications.
224	New feature	Added the 'discontinued' subscriber status, to be set only manually. It is linked to the suspended ageing status.
222	Enhancement	Added the JBILLING_PROPERTIES_FILE JVM property with the name of the properties file to use by the jbilling client api. It defaults to its original value.
221	Bug fix	Avoid deadlock on billing process when looking for a run to update.
220	Bug fix	Fixed bug where the process retries would not update the totals. Also added the retries to the automated unit tests.
219	Bug fix	Fixed bug where the order's active since/until would not be changed after the order was edited.
214, 215	Bug fix	Fixed bug related to the fake payment processor for company creation.

Version: 1.0.8

Date: 2007-07-03

Revisions included: from 153 to 210

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Revision	Change type	Description
210	Bug fix	This fixes a bug where partners could not be paid.
209	New feature	Payment processing for the batch billing process is now asynchronous. Also added unit test cases for the billing process.
208	New feature	Added a server up check servlet to allow monitoring tools to ping jbilling.
207	Enhancement	Added validator to avoid web services calls with invalid contact type when calling 'updateUserContact'.
206	Enhancement	The order next billable day field does not need the time, just the date is enough.
204	Enhancement	Do not allow new orders to have 'next invoice date' set. Also, improved validation of this field when editing.
203	Build process	Added version, revision, etc to the manifest of the jar files produced.
202	Bug fix	Fixed bug where the retrieval of the latest invoice would not filter out deleted users.
200	Enhancement	Changes to allow multiple order lines with the same item to be added from the web services API.
199	New feature	Added an API method to explicitly create an order and an invoice, reverting 'createOrder' to its old behavior, which is to only create an order.
198	New feature	A sub-account can choose to receive its own invoices, instead of delegating them to the parent account.
197	Bug fix	Fixed bug where sub account list was cached wrongly
193	Enhancement	Supports sending a parent id when creating a user through the API.
191	Enhancement	Allows to go to status unsubscribed from any status when an order changes to finished.
187	New feature	Added feature to lock out a user if too many login attempts.
186, 195	New feature	New method for the web services API: user authentication.
184, 185	New feature	Added new password validators: can not be repeated for the last two years, and can not have contact information.
183	New feature	A user password can expire now after a period of time, forcing the user to change it.
180	Enhancement	Removed hard coded paypal URL callback (IPN). This URL has to be setup on the paypal account.
168	Enhancement	Childer accounts inherit the parent's contact when created.
166	Enhancement	Custom contact fields are now displayed in the standard contact info box.
165, 181, 205	New feature	New payment processor for integration with ACH Commerce gateway.
163	Enhancement	Added a new validator to be used with passwords: string has to have both numbers and letters.
157-162, 167, 170-179, 196, 201	Enhancement	Internal code improvements to facilitate module maintenance. The class GenericMaintainAction was replaced.
156,164,169, 188, 192	New feature	The jbilling client API. This is a new jar file to access jbilling with a layer of abstraction over web services or EJB remote calls.

Version: 1.0.7
Date: 2007-04-12
Revisions included: from 91 to 152

Revision	Change type	Description
142	Enhancement	Web services methods that process a payment through a payment gateway now return the response from the gateway. This affects 'create' and 'payInvoice'.
137/138	Bug fix	The script to create a new company now works with Postgres 8.1.x
136/146	Enhancement	Added an explicit response message field to the payment authorization record
1.301321E+017	New feature	Event processing support and addition of subscriber status to the user
129	New feature	Added the web services method 'payInvoice', and the method 'createOrder' now also creates and invoice for the order if 'active since' is not null.
128	New feature	New web services method to retrieve all the items in a single call.
127	New feature	New web service method to retrieve the list of users whose subscriber status has changed.
126/144	Enhancement	The field 'next invoice date' of orders is now editable from both the web services API and GUI

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124	New feature	Added entity preference that removes the credit card numbers from logs and audit. The number is masked when displayed or return by web services
123	New feature	New web services method to allow the update of a credit card only.
121122140141	New feature	Four new report types: transactions, subscription transitions, user status transitions
117/118	New feature	New payment processor plug-in, that routes the processing to another (real) processor depending on a custom contact field.
116	Enhancement	New fake payment processor to enable easy testing of transactions.
115119134	New feature	The payment processing captures a pre-authorization if one is present, instead of doing a new charge in all occasions
114	New feature	Credit card numbers are masked for customers when submmiting a payment.
111/112	New feature	Encryption of credit card information (number and name).
111112139	New feature	Encryption of user passwords (one-way method)
105106108	New feature	New web service method to pre-authorize credit card payments
99-102,143	New feature	Alarm feature to notify via email if a payment processor is not responding.
98	Enhancement	Restore auditing to the database, rather than only log files.
97	New feature	The graphic file used for the logo of the paper invoice can now be uploaded from the GUI
96	Enhancement	Improved accuracy of decimal calculations to 10 decimal digits.
94	Enhancement	Translation to Portuguese
92	Enhancement	Added the Australian Dollar to the list of default currencies

Version: 1.0.6
Date:2007-01-25
Revisions included: from 77 to 90

Revision	Change type	Description
89	Build process	Fixed some duplication of files in the source package, and added the junit.jar to allow the test-ws target to run
88	Build process	Added JUnit web services tests for payment, and improved the setting up of the test database.
86	Build process	Added JUnit web services tests for users.
84	Bug fix	When creating a new company, leaving the phone area code empty would result in an error.
82	Bug fix	Some reports would fail with a null pointer exception, related to supporting Oracle's proprietary data types.
80	Build process	The JUnit tests of the orders web services have been updated and put in line with the development database.
8081	Enhancement	Creation and update of purchase orders through the web services API now calls th e pluggable tasks that calculate the total for each order line.
79	Bug fix	Deleting an invoice linked to a payment would cause an error

Version: 1.0.5
Date:2006-11-21
Revisions included: from 65 to 76

Revision	Change type	Description
76	Bug fix	An empty credit card number in credit card edition page results in an error.
75	Bug fix	A soft deleted user would remain with a status other than 'deleted'.
74	Bug fix	Changed the data base schema to accommodate Oracle's requirements. A sanity test now runs well on OracleXE
73	Bug fix	The password fields were always required when updating a user record.
72	Enhancement	Make possible to change the status of a user regardless of the configuration of the ageing process.
6970	Bug fix	Added validation to prevent fractions of periods in orders.
6568	Build process	Aligned the build script to match the new location of jbilling that makes it the default application at start-up.

Version: 1.0.4
Date:2006-10-12
Revisions included: from 55 to 64

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Revision	Change type	Description
64	Enhancement	Load of currency information at the system level is now done once at startup
63	New feature	The jbilling process is now triggered by its own mechanism configured in the jbilling.properties file. This replaces the need to setup a CRON or AT configuration from the operating system.
61	New feature	Business rules plug-ins can now be fully configured from the GUI. There is a new menu option for administrators where they can delete, create and modify any plug-ins and its parameters.
59	Enhancement	Invoice lines now are stored with a flag indicating if the line is percentage or not. This helps displaying the invoice correctly, since a percentage should not be included in the 'price' column of an invoice.
59	Enhancement	Any tax item will be calculated after all the previous items are calculated, including percentage items.
58	Bug fix	Fixed bug that would lead to inaccurate decimal calculations.
55-57	New feature	A payment now holds the exact amount that of each invoice that is paying, as well as the date the payment was applied to an invoice. It is now possible, from the GUI, to 'undo' a payment to an invoice. An existing payment with balance can also be linked to an arbitrary invoice.
Version: 1.0.3 Date:2006-08-09 Revisions included: from 46 to 54		
Revision	Change type	Description
53	New feature	Invoices can be downloaded as a single PDF file following 5 different filters
52	Enhancement	The list of invoices in the process review it's now sorted by the organization name. This makes the review easier to do when the list is extensive.
51	New feature	Invoices now have their own contact information, instead of using the one from the customer. Therefore, their contact information is historical.
50	New feature	A company can decide if it wants to allow its customers to edit their own contact information. This is done with a new preference.
47	Enhancement	The list of items when creating a new order was not sorted. It is now by the item's description.
Version: 1.0.2 Date:2006-07-06 Revisions included: from 25 to 45		
Revision	Change type	Description
45	Enhancement	The installation process doesn't need the database connection information to be present in jbilling.properties any more.
39	New feature	Include initialization scripts for multiple database engines and change the default in the binary distribution to an already initialized Hypersonic database
37	New feature	Payments can now be deleted if they are not linked to any invoice
36	Bug fix	having a one-time order with a value in 'anticipated months' would throw an exception during the billing process.
35	Build process	The build process now pre-compiles the JSP files and includes the resulting classes in the binary distribution to avoid requiring the Java SDK for users.
3334	Bug fix	The action related to users should not validate the form bean. The symptom was that clicking on a user link on the invoice details page would result on a exception. This was introduced recently as a bug, it had be working well until them.
Version: 1.0.1 Date:: 2006-05-03 Revisions included: from 2 to 24		
Revision	Change type	Description
2	Bug fix	Fixed bug that would prevent edition of certain orders.

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3	Minor improvement	remove trailing spaces from the user name and password during login.
9, 10, 11	New feature	Allow edition of login names (the actual change was to validate the new login name. Without this, changing login names was impractical)
14	Bug fix	Password length validation is consistent between the login page and the user edition page.
15, 20	New feature	Clarify payment's list by adding the result column and excluding failed attempts from the customer's list
18, 19	New feature	Payments: Make them editable when not linked to invoices and have been manually entered.
21	New feature	Allows for recovery of a lost password in the login page