



Compiere 3.1 Release Notes

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Compiere Release Notes

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Compiere 3.1 Release Summary

Compiere 3.1 is a major release that adds more than 400 new, functional, technical and business analysis enhancements. This new release continues Compiere's commitment to building open source applications that drive down costs and complexities of ERP. Visit <http://www.compiere.com/products/new-compiere-erp-3-1.php> to learn more about the Compiere 3.1 benefits.

Certain features in Compiere 3.1 require a Compiere Professional Edition subscription. Contact a Compiere Authorized Partner or Compiere Sales (<http://www.compiere.com/company/contact-us.php>) to acquire Compiere Professional Edition.

Compiere 3.1 may include certain prototype features and beta functionality as indicated in their respective user interfaces with a beta checkbox. We advise our customers not to implement these on their production systems. These are intended only for evaluation as beta and are not covered under Compiere support.

Audience

This guide is designed for Compiere Business Partners and Customers. It provides essential information for current Compiere administrators planning to install or migrate (upgrade) to Compiere 3.1.

Prerequisites

- Working knowledge of Compiere ERP and CRM
- Compiere Web Store Access
- Sun Java 1.6.0 Update 5 or Later
- Database Oracle XE, Oracle 10gR2, Oracle 11g, or EnterpriseDB Postgres Plus Advanced Server 8.3

Software Management

Previous Installations

You can download the Compiere 3.1 from <http://www.compiere.com/wstore>. The migration tool will bring you up directly to Compiere 3.1 plus all the cumulative fixes included in the service packs without having to migrate to an intermediate release.

Recommended Infrastructure

- Sun Java 1.6.0 Update 5 or later (SDK) – also known as Sun Java JDK (not just JRE)
- Database Oracle XE, Oracle 10gR2, Oracle 11g, or EnterpriseDB Postgres Plus Advanced Server 8.3.
Tip: It is Mandatory to use a Unicode character set.
- Database approved Linux Operating System, Windows 2003 or Windows XP
- TCP/IP connection and Internet access
- Disk Space: > 5 GB (includes database)
- Swap Space: > 1GB
- Memory: > 512 MB - Recommended: > 1 GB
- Firefox Browser 3.0 is recommended for Web User Interface.

Process to Log Support Requests for Compiere 3.1

To ensure timely service for all future issues, we strongly recommend that you begin submitting all new cases into Compiere's Case Management system. Start logging support requests by following the steps described in [Support Requests](#) on our web page.

Update/Migration Procedure

See [Appendix A](#)

Install Procedure

See [Appendix B](#)

Application Extensions

See [Appendix C](#)

Delete Client and Delete Client Transactions

See [Appendix D](#)

New In Compiere 3.1

The following is a detailed description of the enhancements made available in Compiere 3.1.

Full Keyboard Access

Compiere Professional Edition

Compiere 3.1 introduces full Keyboard access in the Web UI. The purpose is to easily navigate the Web user Interface using keyboard shortcuts instead of relying on the mouse.

The Keyboard shortcuts for the Compiere 3.1 in the Web User Interface are listed below:

F10 or Ctrl-Alt-M	Focus on the main auto-completion menu
F9	Focus on the parent region; if already in parent region, focus on the child tab region (only works in window/tab/field windows)
F1 or Ctrl-Alt-H	Help
Ctrl-Alt-V	Toggle the display of performance metrics

Alt-Up	Go to parent tab; equivalent to clicking on the parent breadcrumb
Ctrl-1 - Ctrl-9	Go to child tab 1 through 9, respectively

Alt-PageUp	Go to previous page
Alt-PageDown	Go to next page
Ctrl-Alt-Home	Go to first page
Ctrl-Alt-End	Go to last page

Ctrl-N	Inline New (grid mode only)
Ctrl-M	Open New (grid mode only)
Ctrl-L	Inline New (grid mode only)
Ctrl-S	Save
Ctrl-D	Delete (single record mode only)
Ctrl-Q	Refresh or Requery
Ctrl-U	Cancel
Ctrl-E	Export All (grid mode only)
Ctrl-R	Report All (grid mode only), or Report (single record mode only)
Ctrl-P	Print (single record mode only)
Ctrl-Z	Zoom Across (single record mode only)
Alt-Minus	Collapse
Alt-Equals	Expand

When the focus is in the grid:

Up/Down	move record selection up and down the grid
Enter	Edit in single record mode
Shift-Enter	pop-up menu

Costing Enhancements

- Accounting support for standard cost update.
For standard costing create adjustment entries for on hand quantities when the user changes the standard cost of the product. Currently adjustment is created only for the on hand quantities and not for the components issued to the work order.
- Standard Costing and accounting support for manufacturing.
- Addition of Work order related accounts into accounting schema and the import files (AccountingUS.csv.).

Bill of Materials Enhancements

To better support Manufacturing functionality, the Bill of Materials functionality is revamped. A new data model is introduced which makes it possible to define multiple BOMs per product and support multi-level BOMs.

The following lists the key features added to the BOM functionality:

- Support for multiple BOMs per product
- New BOM attributes – Type and Use
- Ability to specify an unlimited number of user-defined alternative groups.

Manufacturing

Compiere Professional Edition

With this release, Compiere introduces its Manufacturing offering for the first time. It lays the foundation for future Manufacturing and Materials Planning functionality. This release addresses the needs of product assembly where the process is one step and involves combining parts to produce finished goods (e.g. finished assembly or value-added items). Only material requirements are supported at this time.

The following lists the main features added to the Manufacturing Functionality:

- Work Order definition and execution
- Integrated support for Standard Costing
- Integration with existing Materials Management functionality
- Support for component and product assembly issues and returns
- Ability to link a Sales Order to a Work Order
- Support for Assembly Flush

Business View Layer

Compiere Professional Edition

The new Business View Layer enables report designers and users to access business data from an optimized reporting schema that incorporates user-friendly field names, Compiere's role-based security, and database security. Compiere 3.1 includes pre-defined business views spanning customer, vendor, product, invoice, shipment, and material receipt objects. Customers can create additional Business Views in a single step from within the Compiere system.

The following lists the main features added to the BVL functionality:

- Business View
- Business View Layer
- Data Source Layer

Integration with Third Party Reporting Tools Enhancements

Compiere Professional Edition

Compiere 3.1 supports the ability to use 3rd party reporting and analysis tools such as Microsoft Excel, Jasper Reports, Pentaho, and Crystal Reports to access Compiere data through the Business View layer. Compiere data and report templates are securely accessed through Compiere login credentials directly from the 3rd party tool or from a menu within the Compiere application.

Create a Report using the Business View

You can use a third party reporting tool to create a report based on the Business View and save the report template as well as save the report template and make it accessible from the Compiere Menu.

Tree Maintenance Support

Compiere Professional Edition

Compiere 3.1 now supports drag-and-drop tree manipulation in the web UI that was formerly only available on the Swing client. The tree-manipulation functionality found in windows such as Tree Maintenance, Organization, and Account Element are now available in the web user interface.

General Application Enhancements

To better support Product, Warehouse Locator, and Inventory, Compiere and introduced the following enhancements:

- Addition of 4th and 5th segments and the location combination to the locator.
- Disallow Negative Inventory option.
- Item Cross Reference: Any of the item cross-references can now be entered in the product fields.

Web UI Extensibility Enhancements

Compiere Professional Edition

Compiere 3.1 offers the ability to extend the Web UI. The new Web UI extensibility framework allows you to create custom screens and forms for the Web UI for cases where more flexibility is desired than is provided by the Compiere data dictionary. The framework offers a simplified yet powerful mechanism for you to construct custom screen layouts, respond to end user interactions, and retrieve query results flexibly according to the customer's specific requirements.

Application Extension Enhancements

Compiere is making available a version of the framework to allow Partners to create application extensions that include both reference data and code, and can be distributed to their customers through Compiere.

Elements that could be packaged as part of application extensions include: localizations, translations, industry solutions, customer solutions, etc. These elements can be developed and packaged independently, while Compiere will continue to be the provider of the distribution and installation mechanisms.

Important: Those who intend to use this feature must contact Compiere before attempting to register application extensions.

The steps for partners to generate application extensions:

- Register application - (using Compiere Entity Type window)
- Develop application
- Create application .car file - (using Entity Type window)

For customers to install the application extension:

- Install application

The Web User Interface in Compiere 3.1

The following is a detailed description of what the Web user interface has to offer in Compiere 3.1.

Web User Interface Compiere 3.1

Compiere Professional Edition

In order to get properly acquainted with the Web User Interface, please read the section on “Using the Web Application” in the user documentation.

At present, there are still some known features available in the “Java Swing” User Interface that are not yet available in Web User Interface of Compiere 3.1. Most of these features are scheduled for a future release.

The following features are currently **Not Available** in the Web User Interface. However, they are fully functional in the “Java Swing” User Interface:

The known features in the Java Swing User Interface that are not yet available in the Web User Interface include:

- Accounting: Account element, Accounting dimensions – Windows used to set up Account structure.
- Resource & Schedule Info Windows – Info Window available from the ‘View’ menu to view Scheduled Resources.
- Resource Assignment – A Form used to schedule a resource accessed from the Assigned Resource field in a Sales Order, Project, or Expense Report.
- Initial Tenant Setup – A window accessible from the System Administrator Menu used to define a new Tenant.
- Personal lock – A security feature accessible from the toolbar used to lock a specific record to keep the record private. It is also used as a method to set security access rules for specific records.
- Archive Viewer – A window used to view the Archived Records. Records or Documents can be archived via the toolbar from the document viewer or automatically via a setting available in the tenant window.
- Ability to print mass shipments – A process available from the Main Menu used to print multiple shipments.
- Work Flow Editor – A form available from the Main Menu used to create or modify a Workflow.
- Print from info windows – A button accessible from any Info window used to print a screen shot of the information.
- Opening a window from a report – The ability to right click on an item in a report and select a window to open.
- Zoom Across and Drill down on reports – Interactivity on Reports which enables double click on an item to open a report on the selected item and view a different report from the drill across menu where a selected record is used.
- Ability to email documents/reports as attachment – A button available from the toolbar of any report or document that opens an e-mail dialog box with the report attached as a .pdf file allowing users to send the report via e-mail.
- Sizing / Moving of columns in grid view / Info windows – A mouse function that allows users to expand and contract columns as well as modify the column positions in the Grid view of a window or any Info Window.
- Product attribute grid – A form available from the Main Menu which allows users to select an Attribute and view a grid of which products are available with the selected attributes.
- Ability to view requests associated with a specific record (e.g. Business Partner) – This option is available via the toolbar. Any/All requests associated with an entity will be available for review via the ‘Check Requests’ button.

Important: The Firefox Browser 3.0 is recommended when using Compiere Release 3.1 with the web user interface.

When using Internet Explorer 7.0, verify the options: "Always switch to new tabs when they are created" and "A new tab in the current window" are enabled: Under Tools> Internet Options> General Tab, open the Tab settings.

Fixed Issues for Compiere 3.1

The following is a list of the issues that have been fixed in Compiere 3.1.

Compiere Case Number	Description
10016347	Costing Problem with Product Cost, how can we create "Product Cost" records of an existing Item
10016348	Costing Problem with Accounting Schema
10016359	Payment Does not change Open Balance
10016369	restore menu size & position
10016371	Calendar - create period
10016372	Bank Statement - Create Lines From error
10016376	Posting Matched Invoiced
10016379	Commission run does not include voided invoices
10016382	Combination e-mail/password not unique
10016388	Invoice Not Realized Gains/Loss
10016394	Posting - multiple accounting schema - seem to require same segments
10016399	Generate consolidated invoice error?
10016402	Combo boxes auto-terminate lookup record dialog
10016404	Creating sales order record without BP Unix only
10016405	Merge entities failed on virtual column
10016408	Enforce Org entered on Header to child records
10016412	Date-select on resource-assignment not working
10016413	Performance Dashboard - Role/Security
10016414	Performance Dashboard - detail level
10016416	Bank Access - bank accounts have no security and can be accessed regardless of Org Setup.
10016426	Import Business Partner Errors
10016433	Proces create SO from expense in scheduler gives error
10016439	Web Store login with non standard port
10016441	Allocation Windows - Invoices&Payments w. diff currencies
10016448	Financial Report Process Parameter Lookup
10016453	Dunning sequentially doesn't recognize Days between dunning
10016454	Imported POS Order creates 'on credit' payment method?
10016460	Check for mandatory lot not working
10016463	Counter Doc Qty cannot be changed
10016470	Generate charges uses default accounts
10016472	Value preference for Tender Type on payment window
10016475	Match Invoice fails when inv =zero, Std cost and no susp acc
10016478	Error reversing/ Accural GL Journal
10016489	Order Reservations
10016495	Generated Shipment - how to delete a line?
10016496	Quantities rounded to 2 decimals when sums done in reports
10016504	Bank Statement and Create Payment - Tender type (DD)
10016505	Payment - Accounting consequences - different Org for Bank and Invoice
10016509	Create Payment in Bank Statement - logic error
10016513	New lot number not possible for backorders
10016514	Batch level costing bug
10016527	AD_Issue - column length
10016548	Max width in print format does not break correctly
10016555	Sorting from View: Product Info 70,000 products
10016561	Payment Allocation - new allocation tab
10016565	Journal with user-set foreign currency rate
10016576	Caching of open periods in Accounting Server

Compiere Case Number	Description
10016580	Run process (button) from HTML UI
10016587	Translation of charges
10016592	Import Invoice - Doc Type not resolved?
10016593	QA - Allocated Payment Reversal - allocation lines
10016594	Allocation Window Partner Selection takes long
10016634	Entry Discount Schema in WEB
10016636	Import Business Partner Location additional address lines
10016647	Data Import Movement Date & Constant for Date
10016653	Bank Routing Number Format in POS order
10016657	GL Journal Import - some issues with Budgets
10016721	If changes are made to a payment after printing and then re-print, the changes are not reflected.
10016766	Combo box alignment - Question: In Compiere the content of comboboxes is left aligned. If the text does not fit in the field/list, the excess text is not displayed. When the user selects a value from the list (or from the search window in case of a search field) the selected value is shown right aligned. When the record is saved, the value is left aligned again.
10016768	Value Preference & AD_Column.DefaultValue - Currently the "Value Preference" functionality is not usable with fields that have a "DefaultValue" set in AD_Column. The AD_Column default always overrules the AD_Preference value.
10016837	It is a legal requirement for invoices and some other document types to not have any Missing document numbers for sequential documents. One way to break the sequence is by creating a new document (for instance an AR invoice). After saving the document the user decides to change it from an AR invoice to a Credit Note. Then changes the document type and when saving it Compiere now replaces the original invoice number with a new document number applicable to the new document type. This leaves a break in the invoice sequence and should not be allowed.
10016848	The length property of field type "Text Long" is not respected. For instance in the window News Channel under the News Item tab. Here the field HTML content should be able to hold 4000 characters. In fact the text is cut off after approx. 2.700 characters with no warning message or anything. This is the same with both Oracle XE and EnterpriseDB.
10016904	When creating "AR" Payment from Payment Selection: 1) The system doesn't set Payment Document Number correctly. 2) Payment Rule is always set to Check and not the rule on the Payment Selection.
10016968	Request window: Updates tab not being refreshed when navigating from the History tab In this request system. Select request A, click on "History" tab, move to request B with arrow next to New Record. Then click on the "Updates" tab, it then shows the updates for request A instead of B.
10017101	- Trial Balance, with Account Element Tree Hierarchy. How can I obtain a simply accounting balance, per Account, using the Trees of Element values?
10017102	- If you create an invoice with two payment schedule, you can define manually the due dates. - If You create an invoice with only one payment schedule, you can not define manually the due date.
10017103	M_MatchInv posting problems - Difficulties posting a M_MatchInv document. The Posted flag is being set to "No Balanced". Is suspects it is some kind of rounding issue.
10017105	When reversing a GL journal, the GL journal that is created to reverse the effect of the original one is not automatically completed. Also the document status of the new one should be set to reverse and the document action of both to none.
10017111	On the product price screen (see screenshot) the product value is visible in the product field. As soon as you do a report on this screen, the value of product is not visible (see screen shot).
10017135	When adding line to shipment from Order line link, description field from order line is not copied over (code is going thru CallOutInOut.orderline) Description should be copied in both ways.
10017146	While running any process, having some argument fields, if Zooming to source window from an argument field the opened window does not let me do anything.
10017149	Using 3.0.0 Create an AR invoice (invoice 1), complete and post (debits AR Control \$100) create a reversal of the AR invoice (invoice 2), complete and post (credits AR Control \$100) A Payment Allocation is automatically created with a zero total and 2 lines: line 1 credits AR control (\$100) line 2 debits AR control \$100 Allocation line 1 which credits AR control has an invoice reference of Invoice 2 which also credits AR Control. So there are 2 credits of \$100 to AR Control associated with Invoice 2.equivalent problem with allocation line 2.
10017158	Payment Selection > Prepared Payment window has a field called "Purchase Order". This was called "Document No" in previous versions, and is not related to POs at all. Regression from 263 release.
10017184	Web UI - Account Viewer - Sorting by selecting column headings in grid view don't work

Compiere Case Number	Description
10017211	Counter documents & Processing - In a counter document setup (two bpartners representing orgs) the "Processing" flag is set to 'Y' on the counter document (Sales order) when it has been created.
10017213	Web UI - No method to delete a saved view.
10017278	Discount Schema Line & Category / Product - There is currently no restriction on the product field on M_DiscountSchemaLine. You can select any product, regardless of the selected category. That allows one to create invalid discount schema lines, that do not match any product.
10017296	Payment: Create Payment (AR payment) with one invoice allocated. Complete – Void > Problem: The original Allocation is Reversed. The Accounting consequences of the original allocation are deleted. If you press Posted and Re-Post, for mistake, the system generates the accounting facts for the allocation.
10017297	Unable to delete Product - get error message "The following rows are not deleted: Test Delete:Database Error. ORA-02292: integrity constraint (COMPIERE302A.FK771_13469) violated - child record found"
10017308	Web UI - NO WARNING on DELETE button. It seems that in the web ui there is no warning on the delete button. We burnt my fingers a couple of times with this.
10017316	HTML UI - When deleting a business partner in Swing UI the user gets asked the confirmation message "Do you want to delete the record?". In HTML UI the user doesn't get the message. Inconsistent between UIs.
10017347	We cannot quite reproduce this but there is a copy of the database with this problem. While maintaining the Element Value from the Account Element screen, the screen freezes with the Processing message displayed and the data displayed does not match the production data. 1. Open Account Element 2. Open Element Value tab 3. The screen locks with the Processing message displayed. Strangely, the tree loaded contains only a parent called JTree + child node of Style, Color.
10017378	Read Only Check box in Org access as no impact on accessibility of data In the 'Role window', in the 'Org Access' tab, even if Read only is checked, when I logged with this role, I can modify data of the organization with the read only properties.
10017443	Line No on Invoice (customer) issue. Problems with the generated line numbers on an invoice document. When a different invoice location is selected on a sales order, two description only lines are generated on the invoice document. The delivery note line and a line that contains the delivery address based on the order. In some situations, these two lines get the wrong line numbers.
10017518	SQL: Divisor by zero (Receipt Create Lines Form) There's a problem with QtyEntered and QtyMovement on the orderlines in Invoice (Vendor.) If we press 'Create Lines From' and select our Receipt that contains a line with 0 goods delivered
10017692	Performance Goal - not honoring the from and to date on the goal when building the drill-down graph. Example - gross invoice sales goal was setup with a from/to date of 01/01/2008 - 12/31/2008. The parent performance goal is reported and calculated correctly, but the drill-down includes monthly totals for all months, regardless of the goal date range.
10017693	When drilling down to the second graph for a performance measure, the bar chart is not sorted. Example: Gross Revenue performance goal defined with measure scope = Quarter, measure display = Month. On drill-down to the monthly totals for the measure, the months appear to be randomly displayed. They should be sorted in ascending order, based on the from/to date for the performance goal.
10017694	When generating financial report with "List transactions" selected and a filter on a specific product, the summary lines are correct (the sum is limited to the selected product) but transactions are not filtered (all the transactions concerning other products).
10017697	Web Performance Dashboard color scheme does not reflect updates to the Performance Color Scheme. Example: Open the Web UI to the Performance Dashboard; view a goal and its colors change the colors applicable to the Goal in the Performance Color Scheme. Back in the Web UI, Refresh the screen; it does not reflect the new color scheme. Log out; again, it doesn't reflect the new color scheme. Stop the application server; start it again. Reopen the Web UI; it is now updated
10017705	Performance Goal. When a role marks a Window as not active, then right clicking on the related field text, the zoom is still available, and gives a non-descriptive error message as to why the zoom does not work. Error Message: "Access Denied: AD_Window_ID=215" is displayed.
10017750	Import Product enforces a Business Partner to be entered. When creating a product manually, a Business Partner is not enforced. Inconsistent validation between import and manual entry. Would like the validation on import to be removed.
10017758	Invoice Line tax not recalculated if a change. Create an invoice (customer), add a line which results in a line amount and a non-zero tax amount. Change the qty, the line amount changes but the tax does not. it seems only to recalculate the tax if the tax amount was zero.

Compiere Case Number	Description
10017760	Import Product - should create Product Cost (M_Cost) record
10017763	In the Swing Interface: Value format not handling Backspace. When using a value format field for a numeric field the backspace key does not work as expected. Create a value format field using 13 zeros as the format (0000000000000). When using the field the user enters in 0123456789123. Now, if the user has the cursor located to the right of the 3 and presses backspace the cursor is moved to highlight the 2, but the 3 is not deleted.
10017778	'Print Dunning Letters' NullPointerException: Cause: The Image URL in the window Print Format (for Format Type : Image) is empty. This can happen when a user has changed the print format , saved the record, and changed the print format again (Image URL should be mandatory , but a user can workarround it in such way that the field is empty).Results in: java.lang.NullPointerException at org.compiere.print.layout.ImageElement.getURL(ImageElement.java:169) at org.compiere.print.layout.ImageElement.<init>(ImageElement.java:114) at org.compiere.print.layout.ImageElement.get(ImageElement.java:47) at org.compiere.print.layout.LayoutEngine.layoutForm(LayoutEngine.java:969) at org.compiere.print.layout.LayoutEngine.layout(LayoutEngine.java:356) at org.compiere.print.layout.LayoutEngine.<init>(LayoutEngine.java:58) at org.compiere.print.ReportEngine.layout(ReportEngine.java:185) at org.compiere.print.ReportEngine.print(ReportEngine.java:282) at org.compiere.process.DunningPrint.dolt(DunningPrint.java:206) at org.compiere.process.SvrProcess.startProcess(SvrProcess.java:91) at org.compiere.apps.ProcessCtl.startProcess(ProcessCtl.java:475) at org.compiere.apps.ProcessCtl.run(ProcessCtl.java:251) (NullPointerException in the Print Dunning Letters Dialog) Can you fix this so that the ImageURL field in PrintFormat can never be empty?
10017803	When I select "Post Trade discount" in accounting schema, a separate line should be used with default account "Trade discount granted" when posting a customer invoice with discount granted, but instead the discount is written in Dr of "Trade revenue" It is written in the user doc that trade discount will be posted in the trade discount granted account when option "Post Trade discount" is selected.
10017812	Inconsistent handling of import orders and import invoices when there is a duplicate Document No.
10017848	Value Format - not enforced in editor. Setting up a field with a value format (i.e. 0000) should only allow numbers. Right clicking on the field and selecting "Editor," the editor will not enter anything.
10017853	Question: Cascade Deletes - Currently we do not see any cascade deletes supported - so we are unsure of how we should be using cascade deletes (and if there are limitations in using them).
10017861	Mandatory Logic not working - From our testing, the mandatory logic you can place on a field does not work. In the Swing UI, it does not appear to make the field mandatory no matter what expression we put in the "mandatory" box. In the Web UI, it appears to make the field mandatory all the time no matter what expression we put in the "mandatory" box. For example, if you put "@IsConfidentialInfo@=Y" into the mandatory logic on the description field on the business partner group screen, the description field will always be mandatory on the Web UI (and always not mandatory on the Swing UI), regardless of what the IsConfidentialInfo field is set to. We tried putting the same logic into the "Read Only" validation, and it worked correctly.
10017863	Paid Flag in Customer/Vendor invoice/s is not getting checked to true when we complete the payments through the Payment Selection followed by Payment Print Export. The following is the scenario where we are facing this situation. 1) We have set of customer invoices (multiple) for a particular Business Partner. 2) We successfully Prepare the payment. 3) We go through the payment print/export application successfully export the payment text file. 4) Our currency rate is defined for two currencies GBP->EUR and EUR->GBP and they are inversely identical which is required. 5) We get out payment document completed for those set of invoices. When we come to Invoices we are not finding payment flag set to true.
10017936	ORA-00933: SQL command not properly ended, When switching language from report I noticed that "File->Translate" from within the report viewer produces the above exception in the console. The problem might be related to the call to DB.prepareStatement, (org.compiere.print.Viewer:1020). (sql, sql) => (sql, null)?
10017946	When I am working with multiple browser windows open, the server has a difficult time tracking which window is making a request. This usually manifests as a request to refresh, but sometime it gives strange phantom error about record doesn't exist, or other errors generally fixed by refreshing to using only one window.
10017950	No window for AD_TableIndex - I can't seem to find the window for editing/adding records in the AD_TableIndex/AD_IndexColumn tables. The only way I can currently create custom indexes as part of an add-on module is by entering them in the DB directly.

Compiere Case Number	Description
10017959	ModelValidator & AD_Client_ID - As of 3.0.3 we are having a very serious problem with the ModelValidator infrastructure. Some of this (validators defined as part of EntityType) seems to be included in 3.0.3 Now the problem: The validators defined on EntityType do not seem to work. The initialize method does no longer take an MClient parameter, only the ModelValidationEngine is passed, regardless of whether the validator is started for an EntityType, or for a specific Client. This way we do not have any way to make the validator return the correct AD_Client_ID. In other words: The only way I am able to get a validator to work in 3.0.3 is by hard coding the AD_Client_ID into the class. This is no option, as there are multiple clients in the system, and the client ID's are also different between the production/test/development systems etc.
10017970	When creating a Product the Name field is mandatory. When using the Import Product process and no name is supplied, the import stops and reports an error. The error message field doesn't say that the name is missing, when it should do which is the problem. Other types of errors do get entered in the error message field. In general, any validation done in the code should report an error and populate the Import Error Message field with a relevant message, not a generic one.
10017972	HTML UI - If there are 2 or more child forms in a window, the "Expand/Edit/Show Record History" pop-up window only appears for the first child record. For example, in Invoice (Customer), for a given invoice the Invoice Line tab has the "Expand/Edit/Show Record History" pop-up window when a line is selected, but Invoice Tax, Payment Schedule and Allocation tabs don't.
10018010	Spelling mistake: Allocated Amountt > C_Element_ID=2677
10018082	Business Partner Import - when adding in partner location details, a location only gets created if BOTH the "Address 1" and "City" field are populated. If just one is populated, the BP is created correctly, but no partner location is created. This differs to manually creating a partner location where entering only one field creates a location successfully, and this is our desired functionality.
10018113	Web "Print Format" Changes not honored in web-generated reports. When a change is made to a report print layout in the Print Format window, the changes are not reflected when the report is then generated from the web UI. The changes are immediately reflected when the same report is generated from Swing. Example: - in Print Format, open the aging report. Then add a column to the Display Order for the report. Change the Print Text value for one of the columns in the Format Item tab. Save all changes. Open the Aging Report in the Web UI --> changes in the Print format are not reflected. Open Swing client and run the Aging report --> changes are reflected
10018159	I tried to use the link in the email that I receive from the request system and it takes me to the "home" page instead of the corresponding request page. This occurs in the Web UI for IE Browser.
10018193	Costing Problem with Product Cost, how can we create "Product Cost" records of an existing Item
10018222	a) On Purchase Orders, the "Bill To" field is a drop down list of every Business Partner. We believe it should be just a list of BPs entered in Partner Relations. b) In Sales Orders, the "Invoice To Customer" field only allows the selection of the BP entered of Customer and Partner Relations.
10018474	Price list version is not getting updated properly when Date of Order is changed. "Valid From" field is not taken into account.
10018475	Javascript error with number format in non english version of the WebUI : In French WebUI, the payment button of the Sales Order form does not work. A javascript error reports problems in decimal format (using "," for decimal separation).
10018476	Issue with Sales Orders on the Web - Compiere 3.0.3 install 1. From the Swing app, create a new sales order. Select standard order as target doc type. Select Joe Block as customer. 2. Click order line tab. Enter azalea bush for product. 3. Click order tab and click complete button. Complete order. 4. Open Web UI and go to sales order. 5. View the order in record detail mode. The Delivery section of the display only shows Warehouse. It should show Shipping Rule, Warehouse, Shipping Method, Freight Cost Rule, and Priority. Creating a sales order in the Web UI, the fields become available when viewing other sales orders as long as you are still in the sales order screen. If you leave the sales order screen and return, the fields will not be available. If strictly using the Web UI: 1. Create a new sales order. Select standard order as target doc type. Select Joe Block as customer. 2. Click order line tab. Enter azalea bush for product. 3. Click order tab. 4. Go to a different screen (ie Business Partner) 5. Return to sales order and view the same order. The Delivery section only shows Warehouse. Missing: Shipping Rule, Warehouse, Shipping Method, Freight Cost Rule, and Priority.
10018597	Missing components in Web UI - Issue: Found lot of missing components in Web UI (which are exists in swing UI). For example Product window in web UI is missing 2 newly added tabs which are exists in swing UI. Couple of newly added windows are missing tabs which are exists in swing UI.
10018615	Web UI - For a window, if a role is not allowed Read/Write access, Read/Write is set as No, then the use can still maintain data. In Swing UI a user of that role is not allowed to add or amend a currency. In the web UI the user can add a new currency and amend that currency.

Compiere Case Number	Description
10018815	Invoice To Location on Sales Order inconsistency: 1. Create a business partner with a seperate Invoice and Shipment address 2. Create a new Sales Order 3. Open Business Partner Info Window 4. Select the business partner with the shipment location. 5. Close Window. The InvoiceTo field on the Sales Order now contains the Shipment Location. If you click the pulldown, it will only list InvoiceTo locations - yet the Shipment location is printed in the InvoiceTo field. The document can now be saved with a wrong InvoiceTo location.
10018968	Web UI - Generate Charges - Create process doesn't work. Works fine in Swing UI.
10019051	Component creation on EDB. RUN_setup with component doesn't show the component in "Entity Type" window. (I created the fields, did component creation, then restored to seed.) Neither is a custom field which I added to the C_BPartner table "EXT_TEST". Also, do you recommend that we use the "Entity Type" as a prefix for the field? For example, ASTT_TEST instead of EXT_TEST. This is a "best practices" type question.
10019070	There are 13 countries that have names but no descriptions (Belgium, Spain, Switzerland, etc and all the continents).
10016607	Model validation on system level
10016665	Ability to set translations through PO object

Product Enhancements for Compiere 3.1

The following is a list of the enhancement Requests that have been completed in Compiere 3.1.

Product Enhancement	Description
10016095	The product attribute pop-up window in the web UI is formatted in a not-so-ideal way. It starts with a checkbox called, "Edit Record" and a button called "Select Existing". Following are the user defined attributes. After which are a few more Compiere fields like "Guarantee Date", "Cancel", "OK". The problem is that these just wrap 3 to a row no matter what. So the first user-defined attribute is on the same line as the "Select Existing" button - They should start on a new line. Similarly an end line should follow the user-defined attributes, before the Compiere fields. As it is the "OK" and "Cancel" buttons can be on the same line or different lines and look all screwy depending on how many attributes there are. Another thing is that it might be better to arrange them 2 to a row as you have to have pretty high resolution for it to fit horizontally on your monitory.
10017748	Import Invoice and Import Order do not have the ability to import a line with a charge, only products. Would like this as an enhancement.
10016879	Option to disallow negative Inventory at the warehouse level. If selected, the system will prevent the on-hand balances from being driven negative.

Known Issues in the Migration Process

Warnings and Error Messages you may see during the Migration steps.

Migration Issues – Warning/Error Messages	Database	Solution
ORA-00001: unique constraint... violated	All	This is an acceptable warning message.
ORA-01408: such column list already indexed	All	This is an acceptable warning message.
ORA-01440: column to be modified must be empty to decrease precision or scale	All	This is an acceptable warning message.
ORA-02296: cannot enable	All	This is an acceptable warning message.
ORA-02275: such a referential constraint already exists	All	This is an acceptable warning message.
ALTER TABLE S_ResourceType MODIFY ChargeableQty NUMBER(10) DEFAULT NULL Failed sql statements ERROR: cannot alter type of a column used by a view or rule Detail: rule _RETURN on view rv_asset_delivery depends on column "lot" - ALTER TABLE A_Asset_Delivery ALTER Lot TYPE VARCHAR(255) , ALTER Lot SET DEFAULT NULL	EnterpriseDB	This is an acceptable warning message.
Component migration not needed Unable to get migration steps WorkerData - java.lang.NullPointerException Unable to execute postgres/oracle function scripts Failed to run function scripts sql No component migration needed	All	Always select Compiere Core when installing or migrating any additional applications.
Unable to get target result set: SELECT...FROM AD_Role WHERE Name = 'GardenWorld Admin' - java.sql.SQLException: ORA-00904: "OVERRIDERETURNPOLICY": invalid identifier Unable to get target result set: SELECT...FROM AD_Column WHERE AD_Table_ID = 783 AND ColumnName = 'R_Request_ID' - java.sql.SQLException: ORA-00904: "ISRECURSIVEFK": invalid identifier	All	Always select Compiere Core when installing or migrating any additional applications.
No Key & No Parent - Table AD_RecentItem	All	This is an acceptable warning message
While executing RUN_Setup, refreshing an existing instance =====> DB_PostgreSQL.getDataSource: DB_EnterpriseDB[null] [12] java.lang.IllegalArgumentException: DataSource with name 'CompiereDS' already exists!	EnterpriseDB	This is an acceptable warning message
While executing RUN_Setup -----> ModelValidationEngine.addClasses: GardenWorld: compiere.model.MyValidator - java.lang.ClassNotFoundException: compiere.model.MyValidator [12] -----> ModelValidationEngine.addClasses: Extended Units of Measure: org.compiere.xuom.XUOMModelValidator - java.lang.ClassNotFoundException: org.compiere.xuom.XUOMModelValidator [12]	All	This is an acceptable warning message
Error "Don't have core" when trying to install an application extension	All	Select Reinstall/Migrate for the Core component when installing new application extensions

Known Issues in the Install Process

Warnings and Error Messages you may see during the Import steps.

Install Issues – Warning/Error Messages	Database	Solution
-----> g.a: DROP SEQUENCE T_Spool_Seq -----> g.a: ORA-02289: sequence does not exist	All	This is an acceptable warning message.
-----> DB_PostgreSQL.convertStatement: Convert error! Converted statement Number=2 (CREATE OR REPLACE VIEW ...	EnterpriseDB	This is an acceptable warning message.
-----> DB.saveError: DBExecuteError - ORA-00001: unique constraint (COMPIERE.C_REGION_NAME) violated [15] -----> MRegion.saveNewInsertSQL: Not inserted - C_Region [15] -----> ProgressPanel.publish: Unable to import Region, requires UNICODE database [15] =====> DB.executeUpdate: INSERT INTO C_Region (AD_Client_ID,AD_Org_ID,C_Country_ID,C_Region_ID,Created,CreatedBy,Description,IsActive,IsDefault,Name,Updated,UpdatedBy) VALUES (0,0,216,438,TO_DATE('2006-02-23 15:43:34','YYYY-MM-DD HH24:MI:SS'),0,'???(Miyasaki)', 'Y', 'N', '???' , TO_DATE('2006-02-	All	These are acceptable if your database is not set for Unicode.

Install Issues – Warning/Error Messages	Database	Solution
<p>23 15:43:34', 'YYYY-MM-DD HH24:MI:SS'),0) [null] [15] java.sql.SQLException: ORA-00001: unique constraint (COMPIERE263.C_REGION_NAME) violated; State=23000; ErrorCode=1 at oracle.jdbc.driver.DatabaseError.throwSQLException(DatabaseError.java:125) at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:305) at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:272)</p>		
<p>At the very end of the install process or when manually executing utils/RUN_Support 13:07:55.094 Compiere.startup: Client lap-fr/10.104.139.177: C:\Compiere2 - Java HotSpot(TM) Client VM 1.5.0_11-b03 - Windows XP 5 .1 Service Pack 2 [15] Exception in thread "AWT-EventQueue-0" java.lang.NullPointerException at javax.swing.plaf.basic.BasicScrollBarUI.layoutHScrollbar(BasicScrollBarUI.java:676) at javax.swing.plaf.basic.BasicScrollBarUI.layoutContainer(BasicScrollBarUI.java:775) at java.awt.Container.layout(Container.java:1401) at java.awt.Container.doLayout(Container.java:1390) at java.awt.Container.validateTree(Container.java:1473) at java.awt.Container.validateTree(Container.java:1480) at java.awt.Container.validate(Container.java:1448) at javax.swing.RepaintManager.validateInvalidComponents(RepaintManager.java:379) at javax.swing.SystemEventQueueUtilities\$ComponentWorkRequest.run(SystemEventQueue Utilities.java:113) at java.awt.event.InvocationEvent.dispatch(InvocationEvent.java:209) at java.awt.EventQueue.dispatchEvent(EventQueue.java:461) at java.awt.EventDispatchThread.pumpOneEventForHierarchy(EventDispatchThread.java:24 2) at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:163) at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:157) at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:149) at java.awt.EventDispatchThread.run(EventDispatchThread.java:110)</p>	All	No effect on the functionality. You may ignore this error.
<p>Error after clicking Save on the RUN_Setup window =====> CConnection.createConnection: jdbc:oracle:thin:@//lap-fr:1521/xe, (1) AutoCommit=true, TrxIso=READ_COMMITTED - ORA-010 17: invalid username/password; logon denied [12] -----> CPreparedStatement.<init>: ALTER TABLE AD_System MODIFY Summary NVARCHAR2(2000) [12] java.lang.UnsupportedOperationException: No DBConnection at org.compiere.util.DB.getConnectionRW(DB.java:228)</p>	All	No effect on the functionality. You may ignore this error
<p>Error installing the sample application extension XUOM Failed sql statements: ORA-00955: name is already used by an existing object - CREATE INDEX M_Product_ProductCategory ON M_Product (M_Product_Category_ID) - java.sql.SQLException: ORA-00955: name is already used by an existing object</p>	All	This is an acceptable warning message
<p>Error installing the sample application extension XUOM Create Views ***** Starting to create views for entity: XUOM Created view #1 for entity: XUOM Failed sql statements <<ERROR: ERROR: relation "m_product_expensetype" already exists - CREATE UNIQUE INDEX M_Product_ExpenseType ON M_Product (S_ExpenseType_ID) - java.sql.SQLException: ERROR: relation "m_product_expensetype" already exists>> ... same error for other indexes... <<ERROR: ERROR: constraint "fk208_10919" for relation "m_product" already exists - ALTER TABLE M_Product ADD CONSTRAINT FK208_10919 FOREIGN KEY (C_SubscriptionType_ID) REFERENCES C_SubscriptionType (C_SubscriptionType_ID) - java.sql.SQLException: ERROR: constraint "fk208_10919" for relation "m_product" already exists>> ...same error for other constraints...</p>	All	This is an acceptable warning message

Known Issues in Compiere 3.1

Issues you may encounter using Compiere 3.1

Issue	Database	Solution
Shortcuts: Firefox 3.0 on Windows, shortcut key 'Alt-Equals' does not expand in the Compiere Web UI	All	Open
The Ctrl+M shortcut is not working in the Business Partner window and the Product window including all Product tabs except for BOM tab.	All	Open
Report Accounting Fact Details has been renamed to Accounting Fact Details Report.	All	Open
In the Windows Operating System the utils/Run_Server2Stop does not currently stop the Application Server. To stop the Application Server, close the window and click end task.	All	Open
Keyboard Shortcut: F10 (Focus on the main auto completion menu) Issue: Mouse prompt is not visible in 'Main Menu' field, so alternate key is suggested. Alternate Key: Ctrl+Alt+M.	All	Open
Keyboard Shortcut: F1 (Help) Issue: Brings up 2 help menus, Compiere's help popup and IE's help popup Menu and close button is only half visible. Alternate Key: Ctrl+Alt+H.	All	Open
Keyboard Shortcut: Alt = (Expand) Issue: Not currently working. No Alternate Key	All	Open
Keyboard shortcut in Web UI Alt =, which is used to "Expand All" is not working in windows Firefox 3.	All	Open
When the workflow or workflow node responsible is set to Organization it does not get routed to the supervisor defined for that organization. The workflow stays in a suspended status but is not designated as a task for any user to complete.	All	Open
Views information gets over-written when saving more than 4 views. (Web)	All	Open
The footer of reports generated from the web UI shows some of the JDBC connection info.	All	Open
When items are removed (moved to the left pane) in Sort order of Business View they should not appear in Format Item tab. Currently you have to remove them two times (once in each tab.)	All	Open
In Work Order and Warehouse, Org * is not a valid value. Users must pick a specific org. However, if you login and select * as the org in the Role login window, you are able to save work orders and warehouse with org *.	All	Open
Log into an instance. Use Zoom to open another instance Go back to original (do not close second instance) Go back to second instance when the log in has time out. Log back in with the same user name, password and role. Go back to first browser and you get a message that you have logged in with a different role (this is not accurate) and to log off. When you log off you cannot log back in as you do not get a db connection (language field is blank.) You have to reload the browser	All	Open
The implementation of trees in the Web UI is not completed as of the 3.1 release.	All	Open

For a current list of open issues please query the list of public requests from our request system <http://www.compiere.com/support/support-requests.php>.

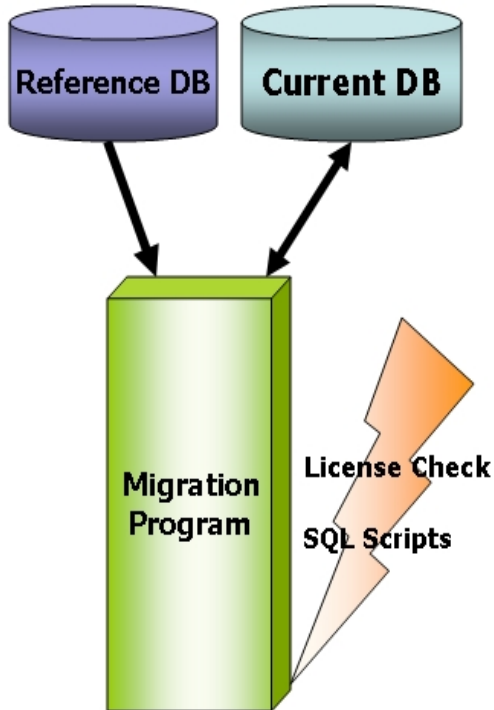
Appendix A

Compiere 3.1 – Migration Instructions

Compiere 3.1 Migration Instructions

Prerequisites

- A valid Support contract
- Sun Java 1.6.0 (SDK) – also known as Sun Java JDK (not just JRE)
- Database Oracle XE, Oracle 10gR2, Oracle 11g or EnterpriseDB Postgres Plus Advanced Server 8.3.



Migration

The Compiere Migration Management solution allows the following:

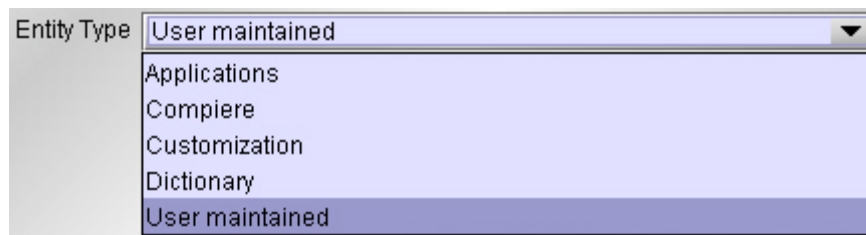
- Migrate from any release directly to Compiere 3.1.

Information: This is an optional convenience service. A skilled DBA monitoring SVN changes and/or with the help of a change management system can do this as all scripts used are available in SVN. Another alternative are EAI tools.

The added service is the packaging and a database health check.

Preserving Customizations

Compiere will not modify any customizations - as long as the customizations are marked appropriately! By default, all added records in the dictionary will have the entity type "User Maintained":



- In the Change Audit window, mark the changes as Customizations before running the migration.

Tip: Alternatively, changes may be applied manually.

- Before performing the migration, run it in the test mode to ensure all customizations will be preserved.

Migration Steps

Migration Consists of the Following steps:

- Preparation
- Test Mode
- Migrate to a New Release
- Post Migration Steps

Preparation

Use the following steps to prepare for the Migration:

- Server needs to have access to the Internet.
- Stop the application server by executing `utils/RUN_Server2Stop`
- Backup the database
- If you are running EnterpriseDB 8.2 or older you must upgrade to EnterpriseDB Postgres Plus Advanced Server 8.3
- Rename `COMPIERE_HOME/jboss` directory
- Delete `COMPIERE_HOME/data/compiere_'CPRO'.car` file
- Delete `COMPIERE_HOME/data/compiere_'XUOM'.car` file

Test Mode (optional)

First, run the Migration Program in Test mode. This allows the ability to evaluate the actions taken when running it against the database. Please note that the first step (resolve ID conflicts) will not show the correct future IDs in test mode.

If the program marks certain wanted **tables** for deletion, then create the table in the data dictionary (Window Table/Column) with the Entity Type *User* or *Application*.

If the program marks certain wanted **columns** for deletion, make sure that the column has the Entity Type *User* or *Application*. If the wanted column has the Entity Type Data Dictionary or Compiere and it is marked for deletion, then copy it under another name and mark the new column as *Custom* or *Application*.

The same applies to windows, tabs, fields, etc.

Mandatory User or Application Columns must have a default value defined in the database, e.g. `ALTER TABLE someTable MODIFY (myColumn DEFAULT 'myDefault')`, otherwise adding new records will result in an error.

Check List:

- Server has HTTP (port 80) access to the Internet
- Compiere web store Asset - Support Contract

System Operation Steps:

- Resolve ID Conflicts from Customizations/Extensions
- Synchronize Data Structure (Table/Column/Index/Constraints/..)
- Synchronize Data Content

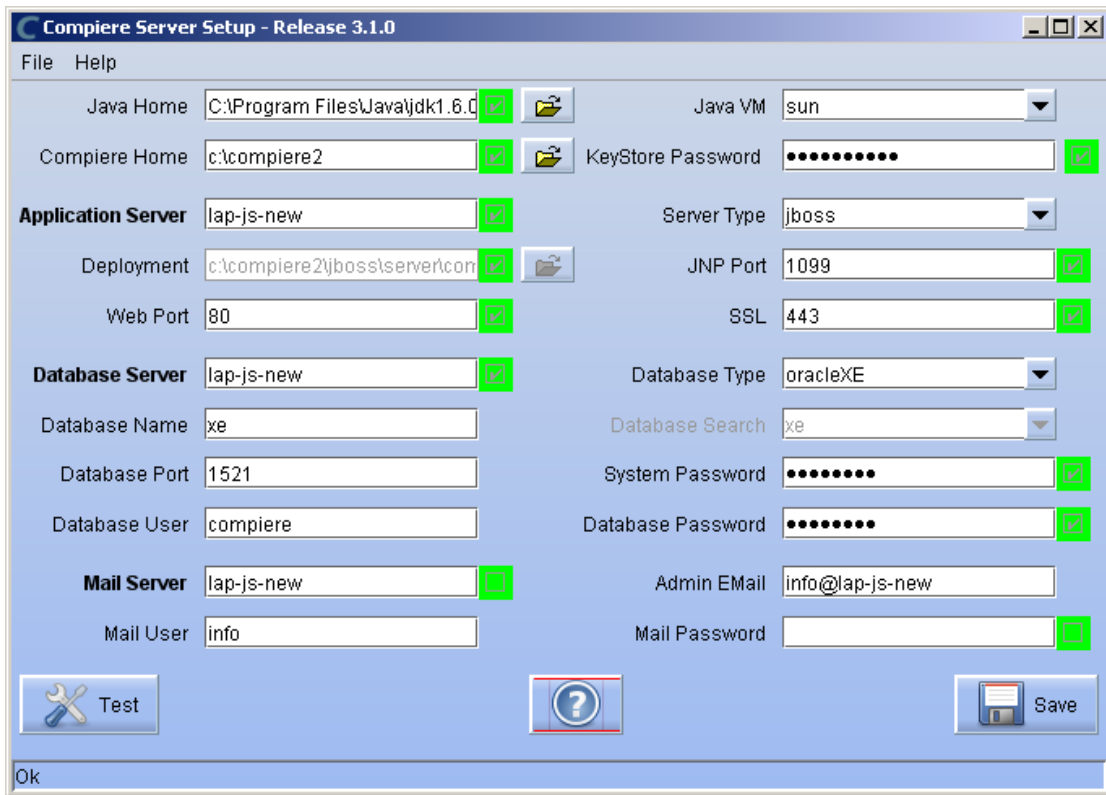
Migrate to a New Release

Use the following steps on the Application Server box for migrating to the new release:

- 1) Be sure to delete or rename the existing `jboss` subdirectory (due to different JBoss version and configuration files.) Download and unzip/untar the distribution file, (e.g. `Compiere_3XX.X.zip`.)

Tip: It is also possible to extract the distribution file into a new directory and copy your configuration files. Then change the **COMPIERE_HOME** environment variable to the new directory.

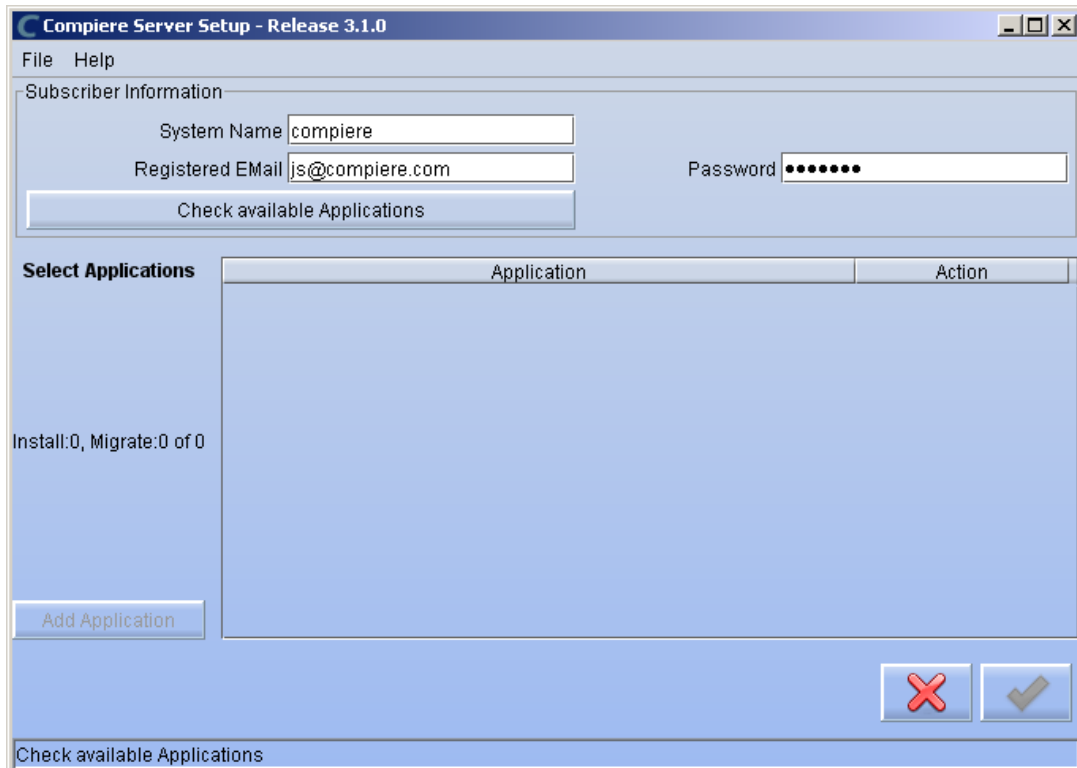
- 2) Execute **RUN_setup**. Verify all your environment settings and click Save to continue. If you get any errors in the parameters validation, you'll see a red icon right next to the parameter with the problem; make the required changes, click Test to run the validation again and then click Save to continue.



Note: To install additional applications once you have installed or migrated to the latest Compiere Core version, you must select Compiere Core plus any additional applications to install, and then run Migration.

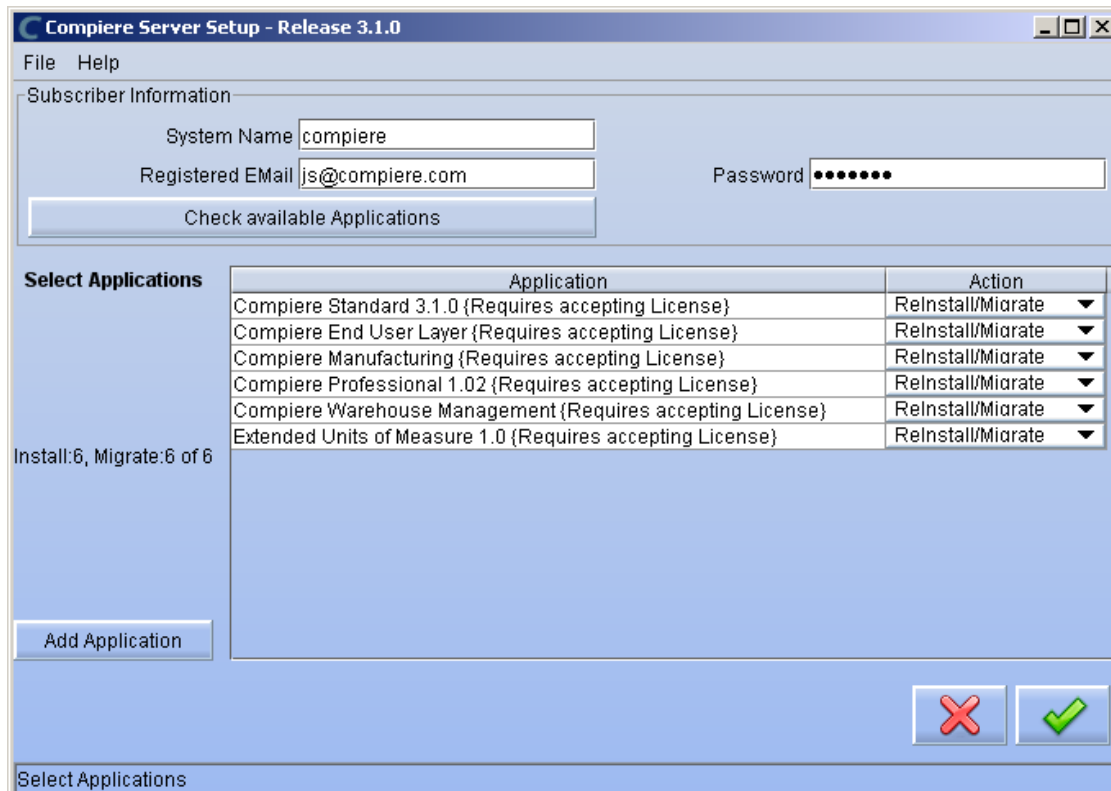
- 3) The Next step is to provide the Subscriber Information. Current customers should provide the subscriber information (System Name, Email and Password) exactly as it was registered in the Compiere Web Store to get a complete list of applications.

Click Check Available Applications to get a list of applications that are available to be installed.

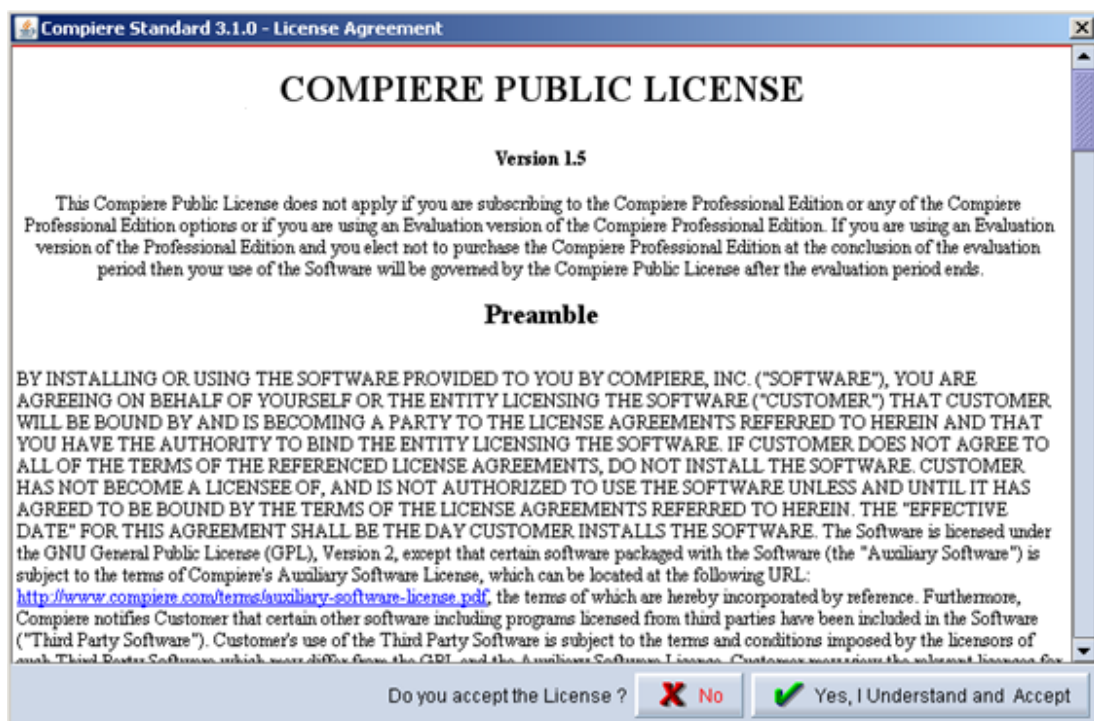


- 4) Select the applications that you want to migrate and select the action **Reinstall/Migrate**. Compiere Core 3.0 is the main application that must always be installed or migrated to the latest release, but you also may choose additional applications provided by Compiere or any of our authorized partners.

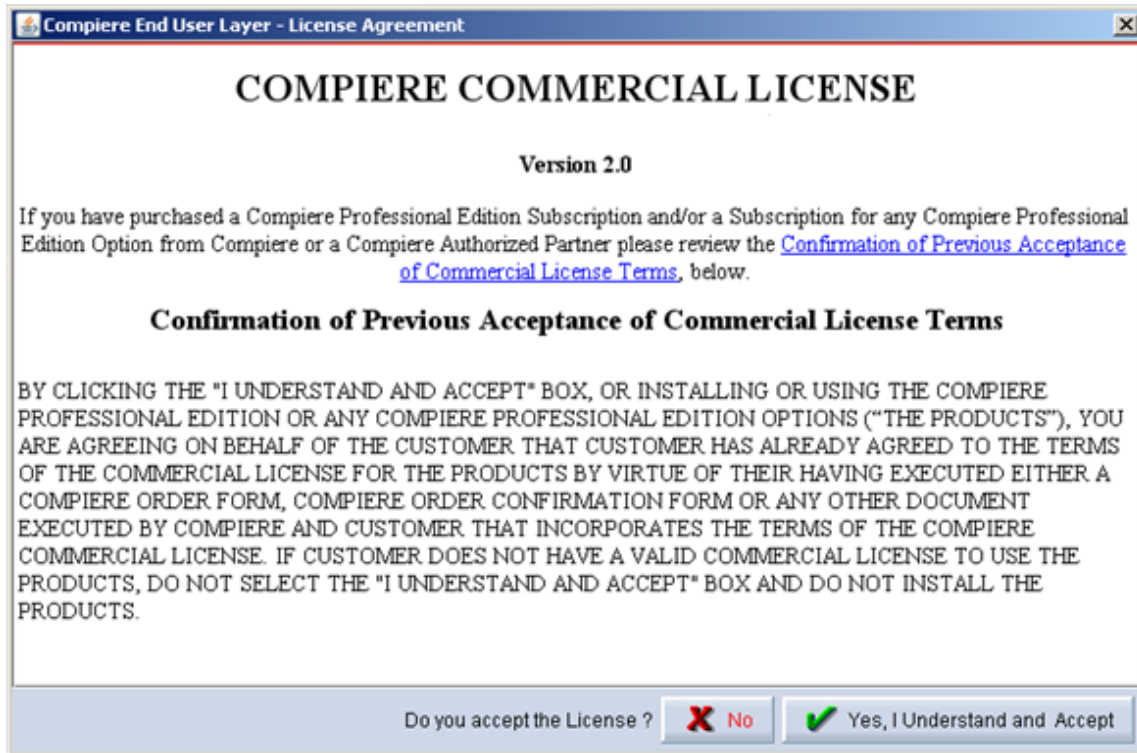
Tip: If you do not wish to install or migrate any of the applications listed, be sure to change the action to None- To install new applications change the action to New Install



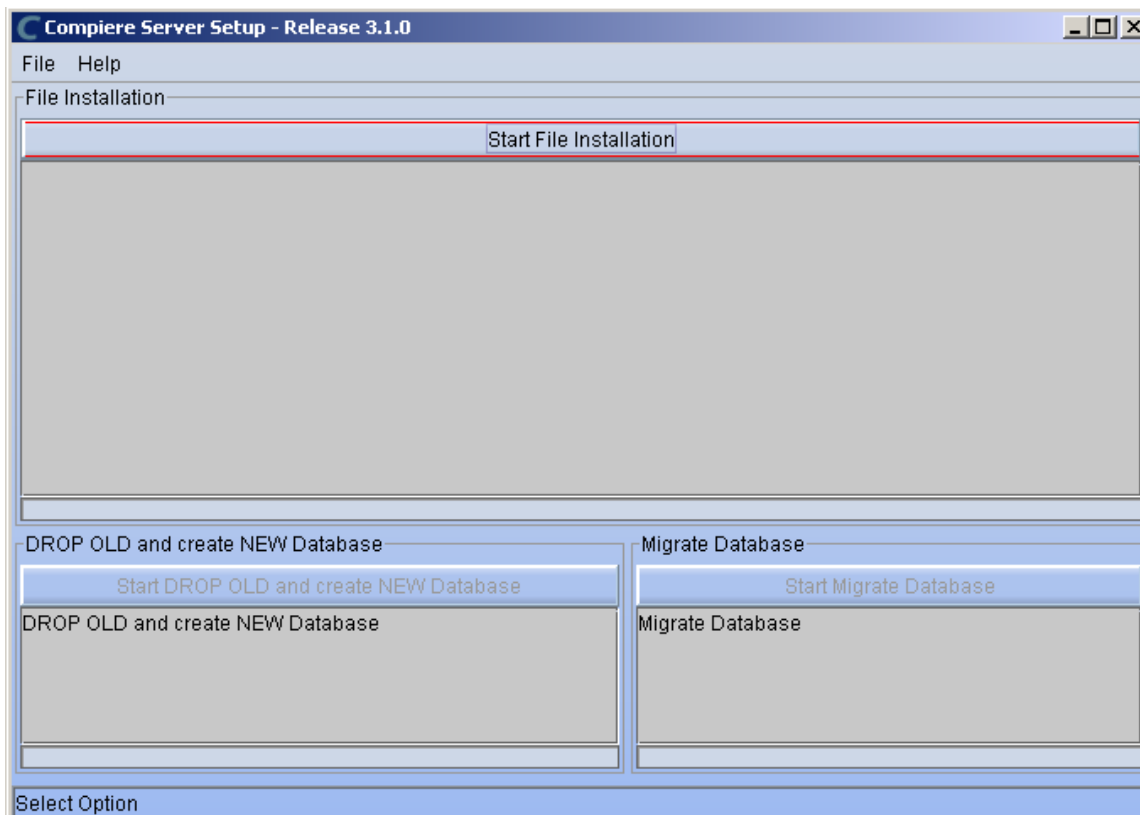
- 5) Next, read and accept the Compiere Public License agreement.
Hint: You might get more than one license agreement, depending on the applications that you are installing. Notice that XUOM is a sample application extension



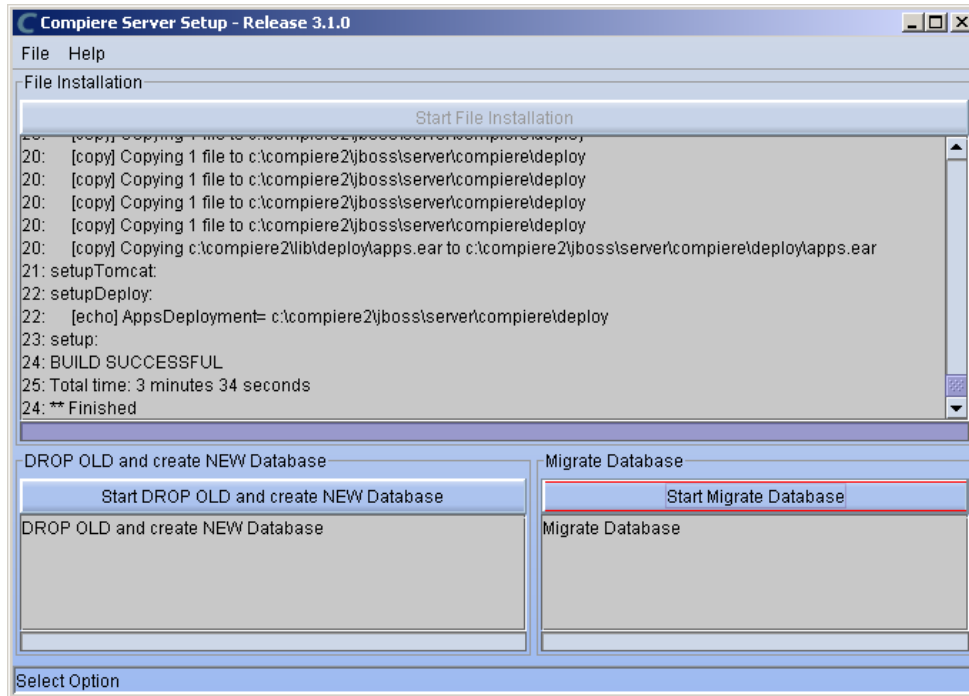
- 6) If you are installing Compiere Professional, you will receive a Commercial license agreement. Please read and accept the license agreement, in order to continue.
Hint: You might get more than one license agreement, depending on the applications that you are installing.



- 7) Click on Start File Installation

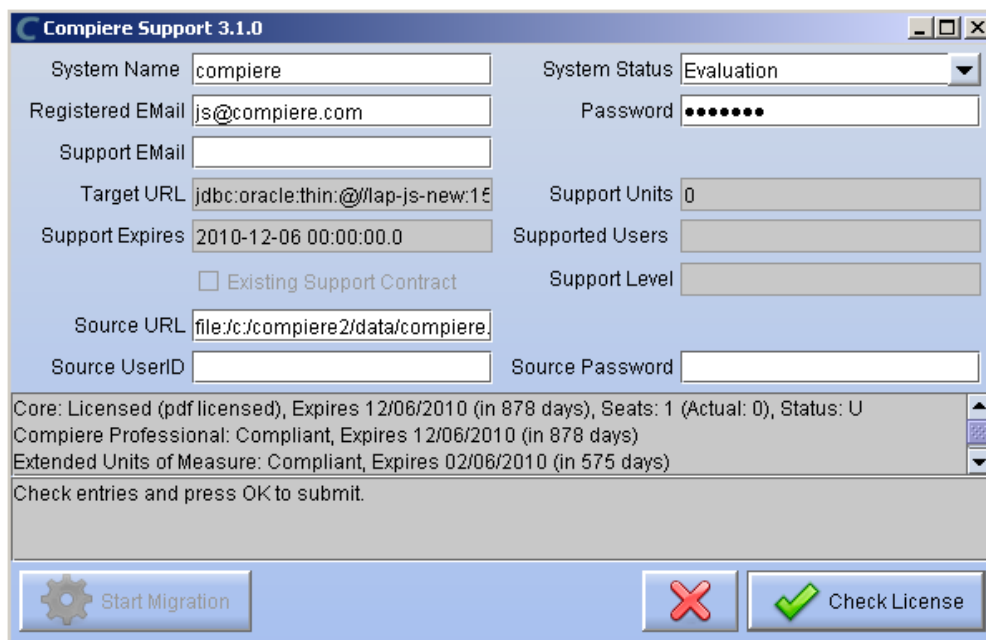


8) When the File Installation has completed click on Start Migrate Database.



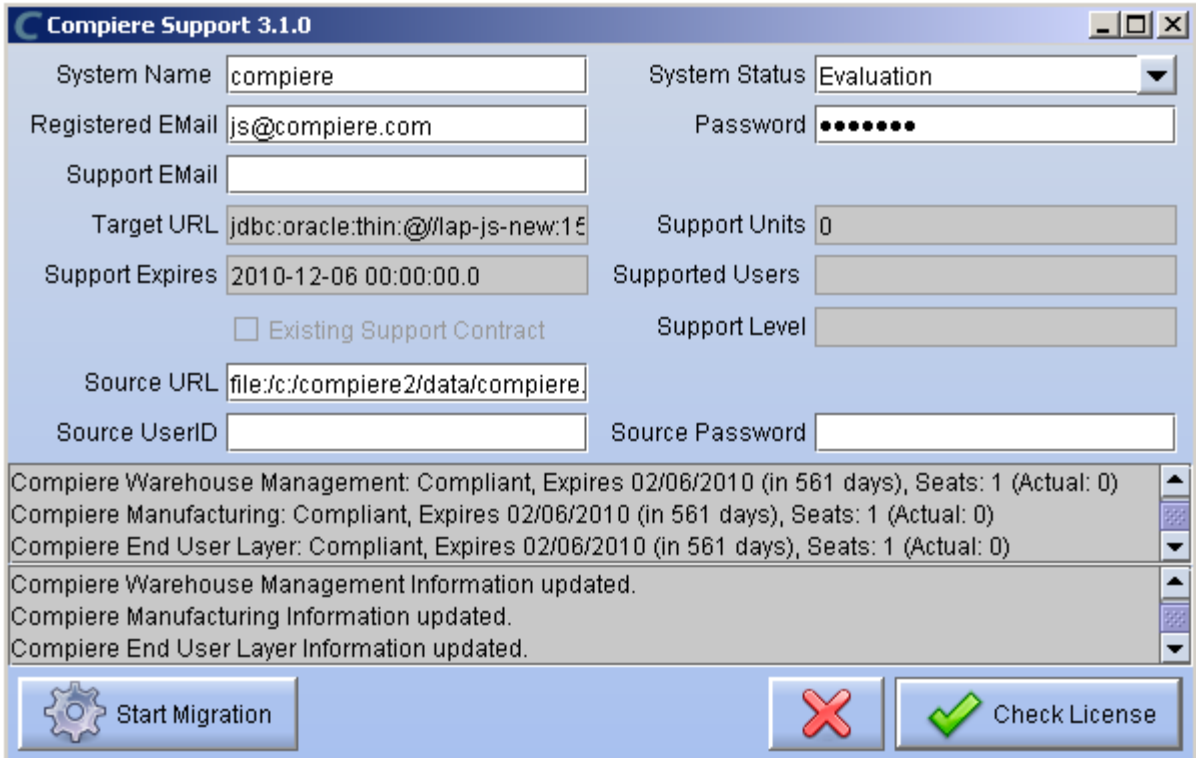
9) Provide the following information exactly as it was registered in the Compiere Web store and click Check License to validate your asset information (Note: This information may already be populated if it was entered in the system window)

- System Name
- Registered Email
- Password

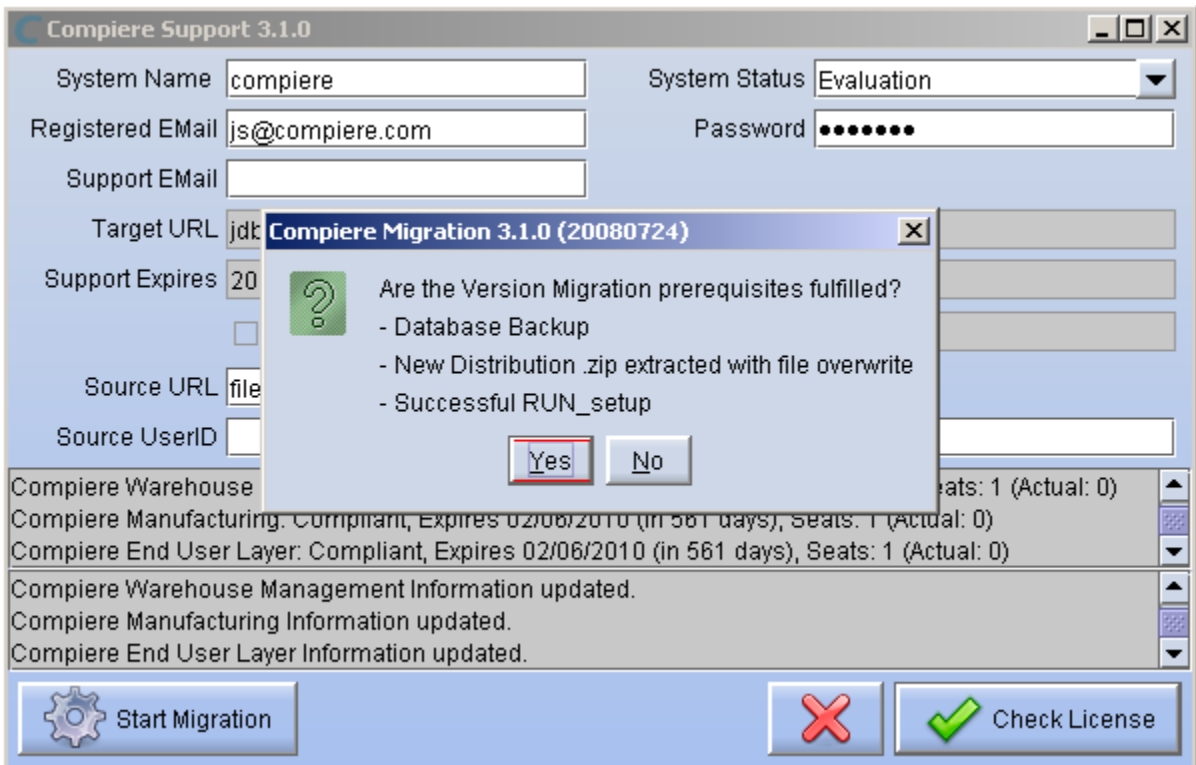


Tip: If you get the “Core Invalid” error after selecting the ‘Check License’ button, that is an indication that you did not select the appropriate action for the Core component in step #5. In this case, Exit the setup and support windows and execute RUN_setup again selecting the Core plus any other components to install.

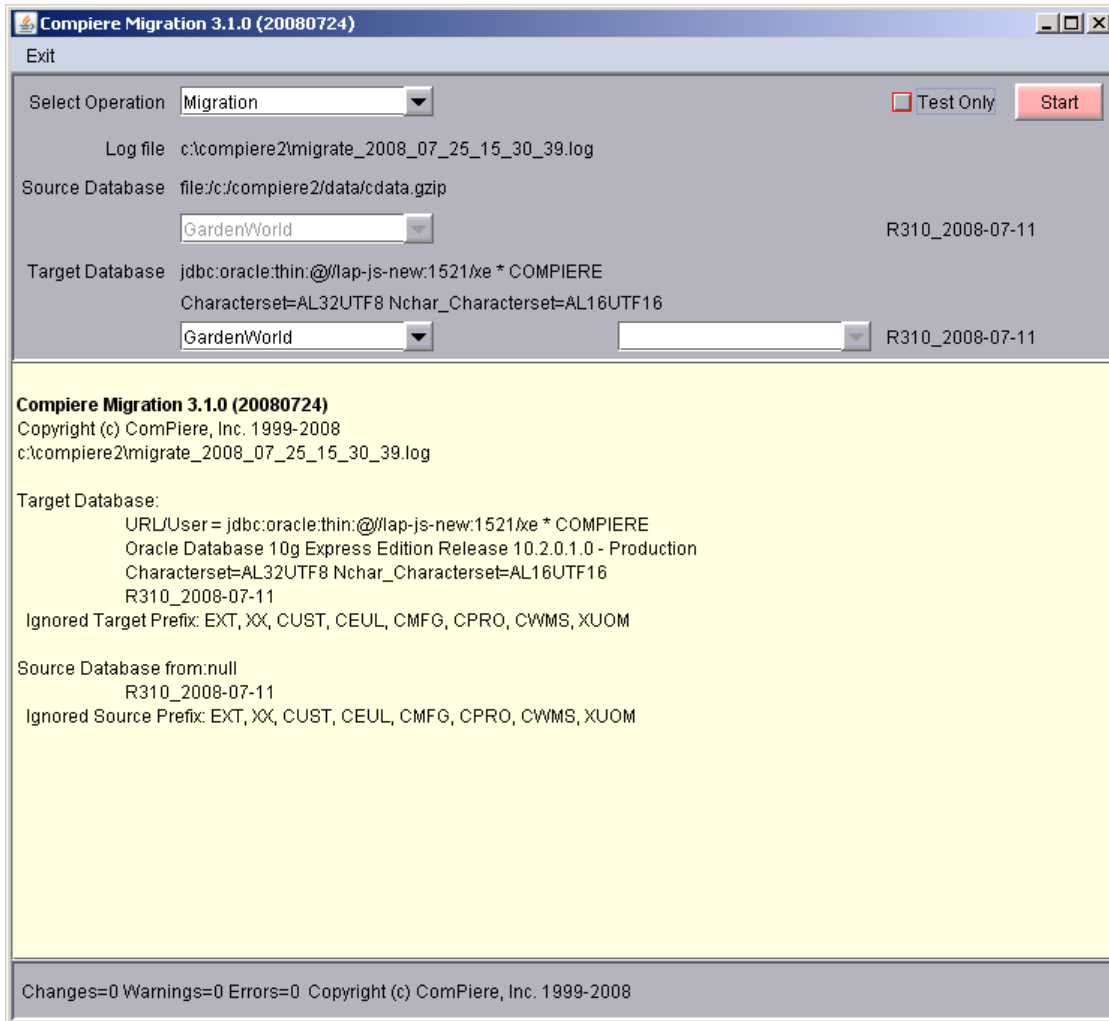
10) Click on “Start Migration”.



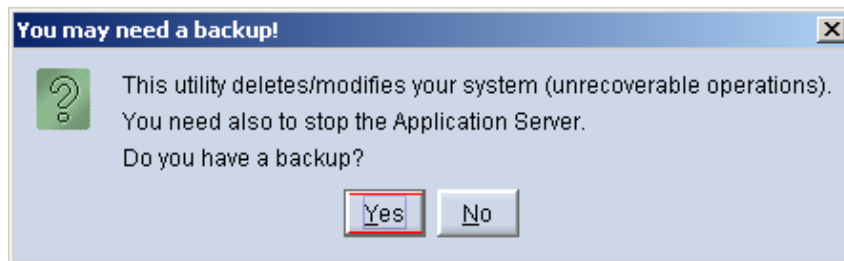
11) At the Compiere Version Migration Prompt, click “Yes” to proceed with the Migration.



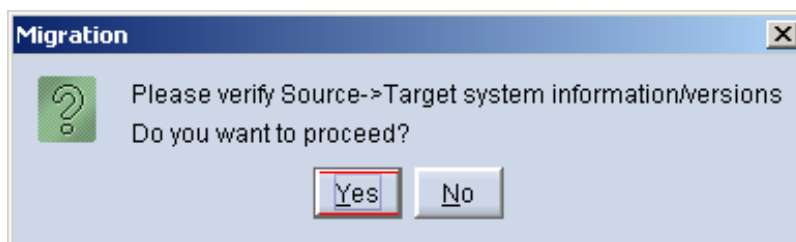
12) Unselect the “Test Only” option, and click Start.



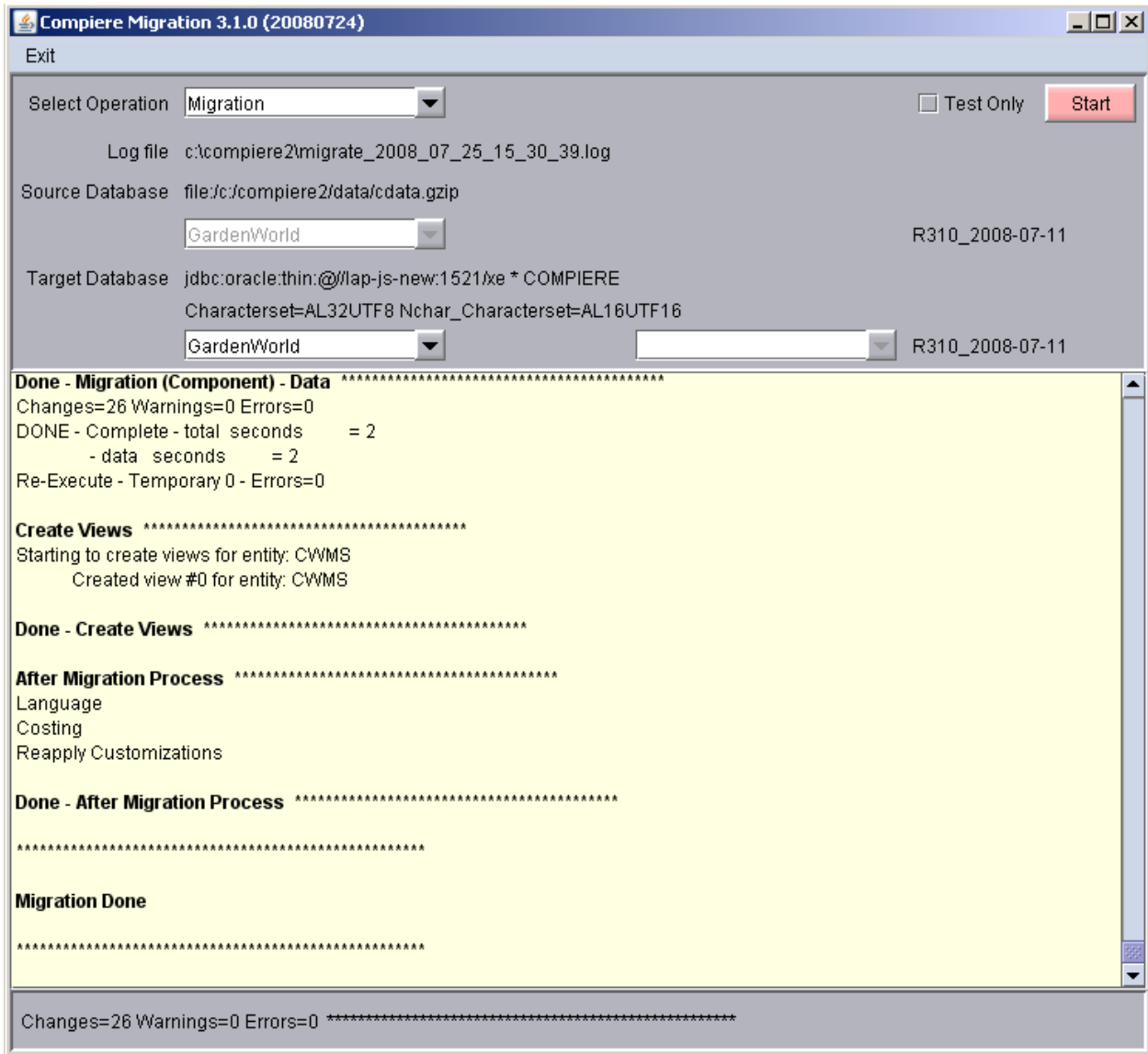
13) Confirm that you have a current back up of your database



14) Confirm that the Source and Target database versions from the Compiere Version Migration window are correct.



- 15) Verify that the migration finish with no errors and the message “**After Migration - DONE**” is displayed. In case you get any errors, please be sure to review the list of known issues listed in this document before logging a service request.



- 16) If you have a Compiere Professional Edition license, execute **utils/RUN_Support** and click “Check License” to activate your license.
Tip: There is no need to click the start migration button.

Compiere Support 3.1.0

System Name: System Status:

Registered Email: Password:

Support Email:

Target URL: Support Units:

Support Expires: Supported Users:

Existing Support Contract Support Level:

Source URL: Source UserID: Source Password:

Compiere Standard: Licensed (pdf licensed), Expires 12/06/2010 (in 875 days), Seats: 1 (Actual: 0), Status: U

Compiere Professional: Compliant, Expires 12/06/2010 (in 875 days), Seats: 1 (Actual: 0)

Check entries and press OK to submit.

- 17) After you have pressed the Check License button you should be able to see if your Professional License has been activated.

Compiere Support 3.1.0

System Name: System Status:

Registered Email: Password:

Support Email:

Target URL: Support Units:

Support Expires: Supported Users:

Existing Support Contract Support Level:

Source URL: Source UserID: Source Password:

Compiere Warehouse Management: Compliant, Expires 02/06/2010 (in 572 days), Seats: 1 (Actual: 0)

Compiere Manufacturing: Compliant, Expires 02/06/2010 (in 572 days), Seats: 1 (Actual: 0)

Compiere End User Layer: Compliant, Expires 02/06/2010 (in 572 days), Seats: 1 (Actual: 0)

Compiere Warehouse Management Information updated.

Compiere Manufacturing Information updated.

Compiere End User Layer Information updated.

- 18) After Compiere Professional license has been updated you may click the “X” to close the window.
Hint: It is not necessary to click the Start Migration at this point.

Note: After migration, (re-) apply the language packs when needed.

Post Migration Steps for RMA/RTV

This step is only relevant if you plan to use the new returns functionality and you are migrating from 2.6.3 or older.

Compiere now has explicit return transactions. We discontinued the previously seeded "Return Material" functionality.

In the "Document Type" window you need to do the following for every Tenant/Client:

1) Delete or de-activate the document types

- Return Material
- MM Customer Return
Hint: This is discontinued functionality

If you choose to deactivate the obsolete document types (as opposed to deleting them), please rename the document type 'MM Customer Return' to an alternate name (For eg., ' ** MM Customer Return ** Do Not Use **') so you can successfully create the new document types detailed below.

2) Create Return Document Types

- MM Vendor Return
 - Copy "MM Receipt" and set Name
 - Select Return Transaction
 - De-Select Counter Document flags
 - Optionally select Confirmations
- Vendor RMA
 - Copy "Purchase Order" and set Name
 - Select Return Transaction
 - De-Select Counter Document flags
- MM Customer Return
 - Copy "MM Shipment" and set Name
 - Select Return Transaction
 - De-Select Counter Document flags
 - Optionally create a special Document Sequence and or Confirmations
- Customer RMA (Copy Standard Order)
 - Copy "Standard Order" and set Name
 - Select Return Transaction
 - De-Select Counter Document flags
 - Select AR Credit Memo for Invoice Document Type
 - Select the created MM Customer Return for Shipment Document Type
 - Optionally create a special Document Sequence

Unfortunately, we cannot do the above steps automatically as this is configuration specific user data.

Tip: For an example of a set-up, please check GardenWorld in a fresh install or in a newly created Tenant.

Appendix B

Compiere 3.1 – Installation Instructions

Compiere 3.1 Installation Instructions

This is for a new installation of Compiere. If you already have installed a previous version of Compiere, please refer to the Migration instructions.

Prerequisites

- Database Oracle XE, Oracle 10gR2, Oracle 11g or EnterpriseDB Postgres Plus Advanced Server 8.3.

Tip: It is mandatory to use a Unicode character set

- Database approved Linux Operating System, Windows 2003 or Windows XP

- Disk Space: > 5 GB (includes database)

- Swap Space: > 1GB

- Memory: > 512 MB - Recommended: > 1 GB

- TCP/IP connection

- Network setup with DNS server and a domain. Do not use IP addresses.

- Internet access

Hint: Notice that the screenshots in this document refer to the installation on Windows, but the process is the same for Linux, except for the paths (e.g. C:\Compiere2 vs. /Compiere2) and the extension of the scripts (.bat vs. .sh)

Database Installation

Install Database – For the instructions on how to install Oracle XE and EnterpriseDB on Windows and Linux please use the install guide on the Compiere website <http://www.compiere.org/support/installation.php>.

Java Installation

1. Download and install [Sun Java 1.6.0](#) (SDK) – also known as Sun Java JDK, Update 5, or a later version of Java 1.6.0

Tip: The Compiere Server requires the SDK (not just JRE).

Download Compiere

2. Install /Setup Compiere Server (this includes the Client as well)

1) Download the current version of Compiere: [Web Store](#) (for current customers) or free [Community Edition](#).

2) Extract the .zip file. The steps shown assume that you extract to the root directory, resulting in a COMPIERE_HOME of C:\Compiere2 in Windows or /Compiere2 in Linux.

3) Verify that the bin directory for your database executables is included in the PATH. Also, if using Oracle XE on Linux, run \$ORACLE_HOME/bin/oracle_env.sh.

To update the PATH in Windows, right click on My Computer and choose Properties. Then move to the advanced tab and click on Environment Variables. Find the PATH variable and click Edit.

4) Verify that the path to the JAVA_HOME is set up in the Environment Variables.

To update the JAVA_HOME in Windows, right click on My Computer and choose Properties. Then move to the advanced tab and click on Environment Variables. Find the JAVA_HOME variable and click Edit.

5) Execute the script \$COMPIERE_HOME/RUN_Setup.

Tip: if the following window does not display, please ensure that the following are updated.

- Add the bin folder where you have installed JKD 1.6 at the beginning of the **PATH** system environment variable.
- Set the JAVA_HOME system variable to the location of your java installation (e.g., 'C:\Program Files\Java\jdk1.6.0_05')
- Set the COMPIERE_HOME system variable to the path of your Compiere installation (e.g., 'C:\Compiere2')

- 6) Select Database Type Oracle XE, Oracle (for Standard or Enterprise Editions) or PostgreSQL (for EnterpriseDB).
- 7) For System Password, enter the System database User password.
- 8) For Database Password, enter the Compiere database user password, (e.g. 'compiere')
- 9) For Server Names, i.e., Application, Database and Mail, use the DNS name of the server. **Hint:** Do not use localhost (127.0.0.1) or IP addresses.

The screenshot shows the 'Compiere Server Setup - Release 3.1.0' window. It contains the following fields and values:

- Java Home: C:\Program Files\Java\jdk1.6.0...
- Java VM: sun
- Compiere Home: C:\Compiere2
- KeyStore Password: [masked]
- Application Server: lap-rl-temp
- Server Type: jboss
- Deployment: C:\Compiere2\jboss\server\co...
- JNP Port: 1099
- Web Port: 80
- SSL: 443
- Database Server: lap-rl-temp
- Database Type: oracle
- Database Name: orcl
- Database Search: orcl
- Database Port: 1522
- System Password: [masked]
- Database User: compiere
- Database Password: [masked]
- Mail Server: lap-rl-temp
- Admin Email: [empty]
- Mail User: [empty]
- Mail Password: [empty]

The 'Test' button is highlighted with a red box.

- 10) Enter or update any other parameters as necessary.
- 11) Select the Help button, for information on any field.
- 12) Select the Test button to check the parameters. **Tip:** The parameters will only save after they have been verified.
- 13) If an entry is unverifiable, it will display with a red X. Correct the entry and re-select Test.
- 14) Once all fields are verified, click the Save button to proceed.

The screenshot shows the 'Compiere Server Setup - Release 3.1.0' window after verification. The fields are now marked with green checkmarks, indicating they are valid. The 'Mail Server' field is marked with a red X, indicating it is unverifiable. The 'Test' button is highlighted with a red box.

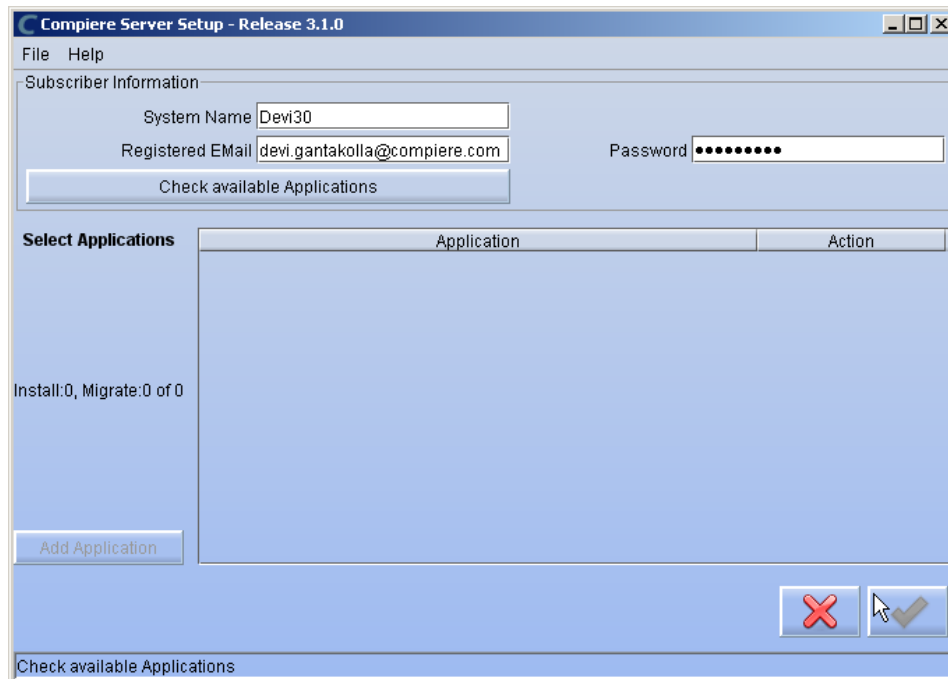
The fields and their verification status are:

- Java Home: [checked]
- Java VM: sun
- Compiere Home: [checked]
- KeyStore Password: [checked]
- Application Server: lap-rl-temp [checked]
- Server Type: jboss
- Deployment: C:\Compiere2\jboss\server\co... [checked]
- JNP Port: 1099 [checked]
- Web Port: 80 [checked]
- SSL: 443 [checked]
- Database Server: lap-rl-temp [checked]
- Database Type: oracle
- Database Name: orcl
- Database Search: orcl
- Database Port: 1522
- System Password: [checked]
- Database User: compiere
- Database Password: [checked]
- Mail Server: [red X]
- Admin Email: [empty]
- Mail User: [empty]
- Mail Password: [checked]

The 'Test' button is highlighted with a red box.

- 15) The Next step is to provide the Subscriber Information. Current customers should provide the subscriber information (System Name, Email and Password) exactly as it was registered in the Compiere Web Store to get a complete list of applications.

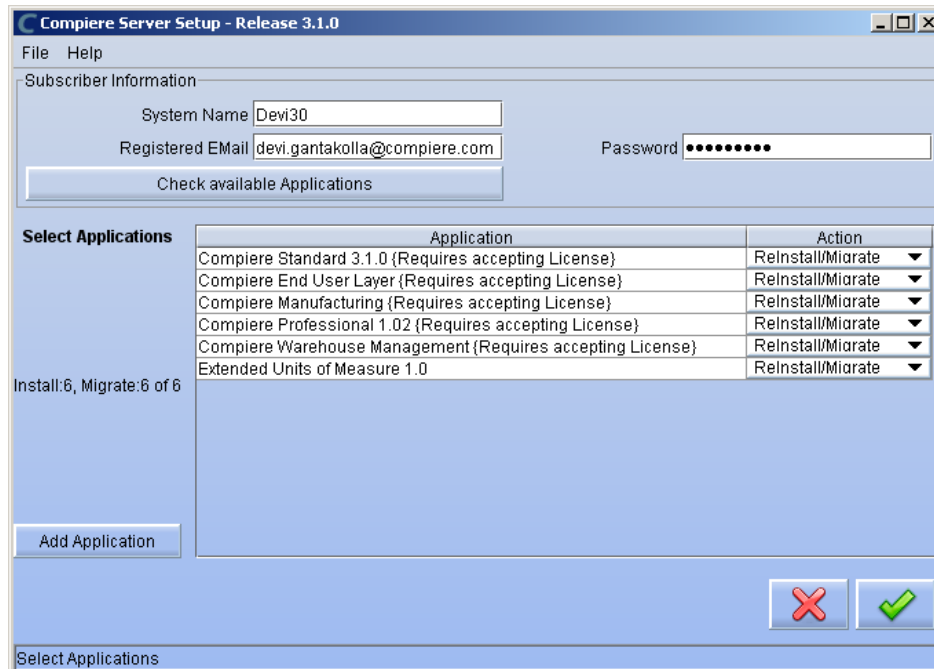
Click Check Available Applications to get a list of applications that are available to be installed.



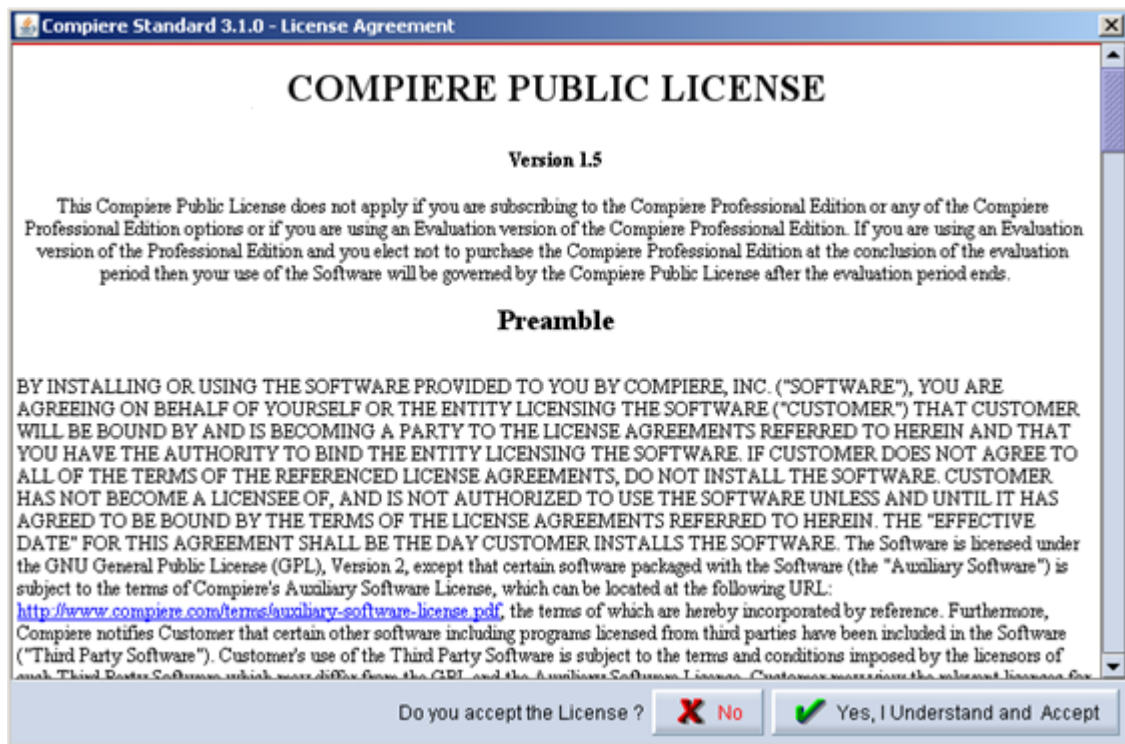
- 16) Select the applications that you would like to install. You can include additional applications by using the button Add Application.

By default all available applications will be installed. If you do not wish to install one of them you should change the action field from "New Install" to "-None-". Notice that Compiere Core is a *Mandatory Prerequisite* and must be selected.

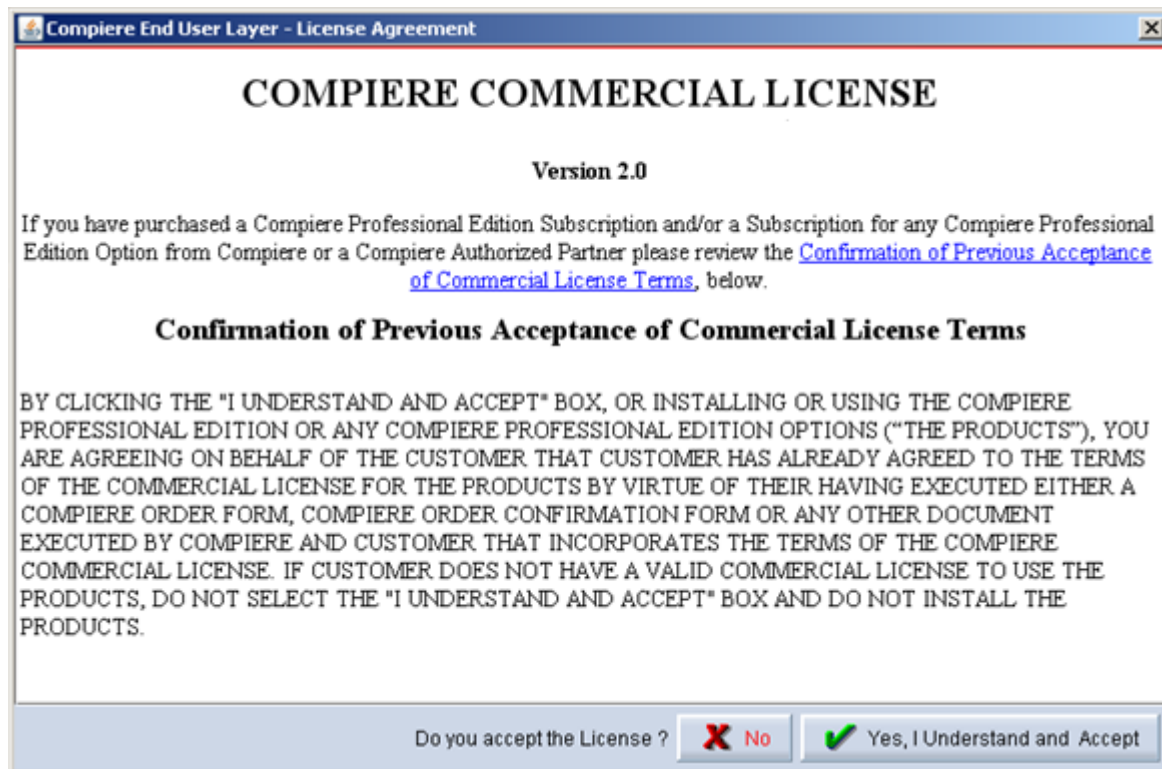
Select the OK button to continue



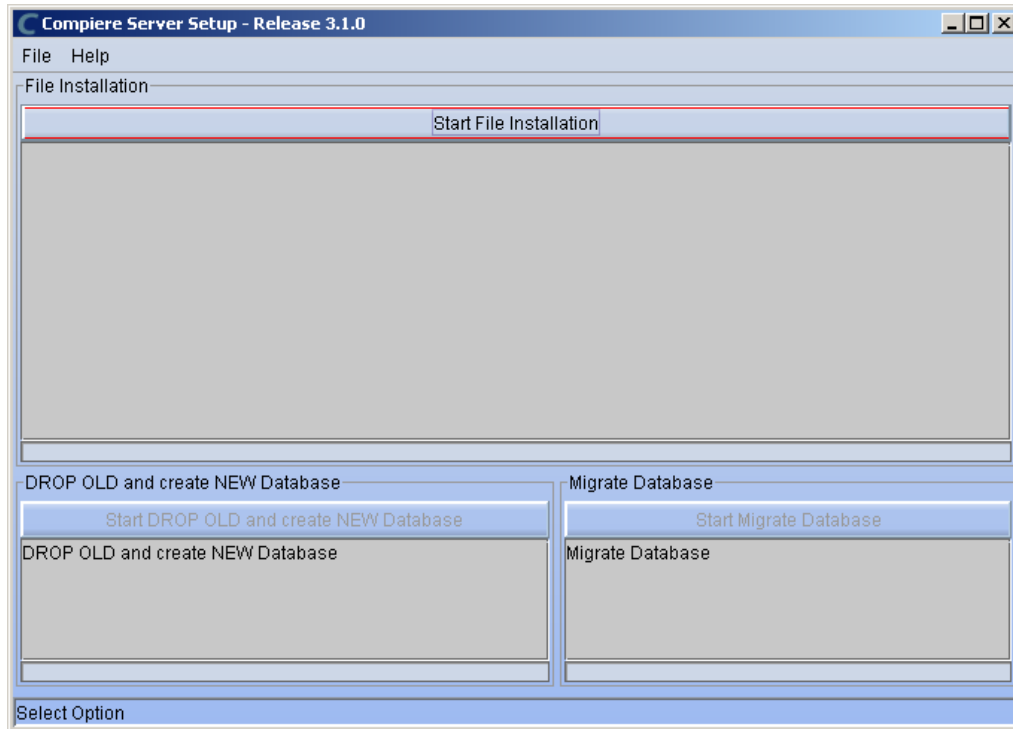
- 17) Next, read and accept the Compiere Public License agreement.
Hint: You might get more than one license agreement, depending on the applications that you are installing.



- 18) Then read and accept the Compiere Commercial License agreement.
Hint: You might get more than one license agreement, depending on the applications that you are installing.



19) After accepting the license agreement the following window will display:

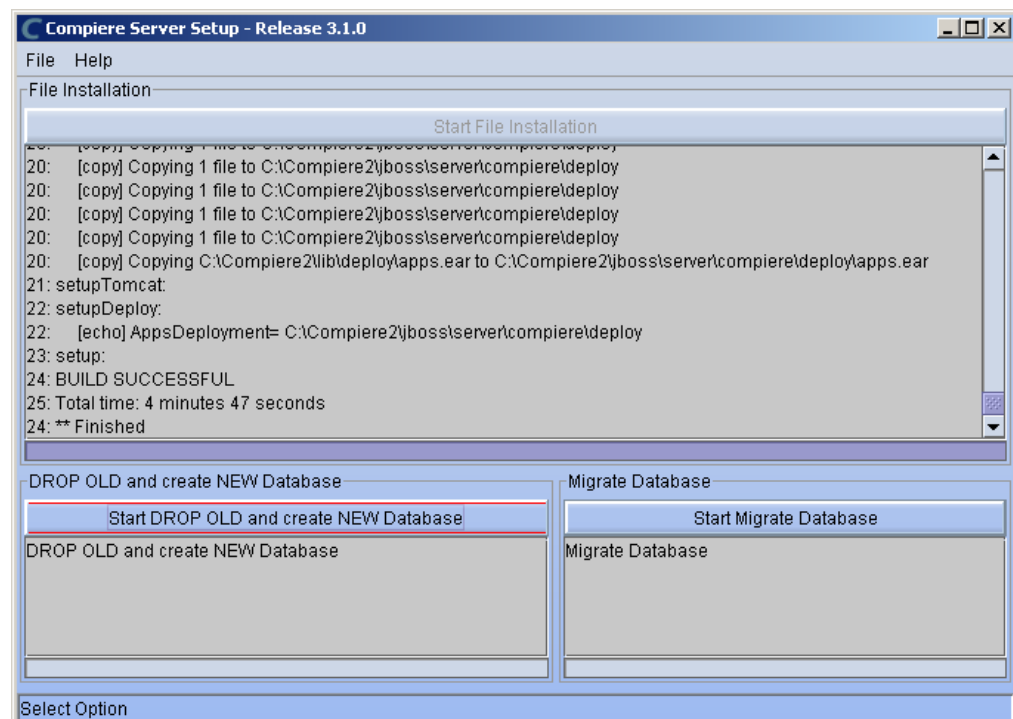


20) Select Start File Installation.

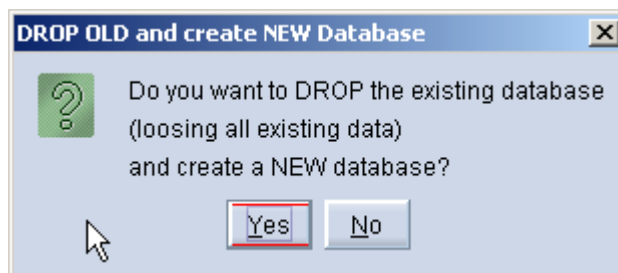
Important: At this point, you must be connected to the internet to continue or the installation will not succeed.

21) Once the file installation is complete, select Start Create New Database.

Note: If you already have a Compiere database in your system, you will be presented with a split panel after 'Start Server Install'. Click the left panel (Start DROP OLD and create NEW Database) if you want to replace the existing database with the new database.

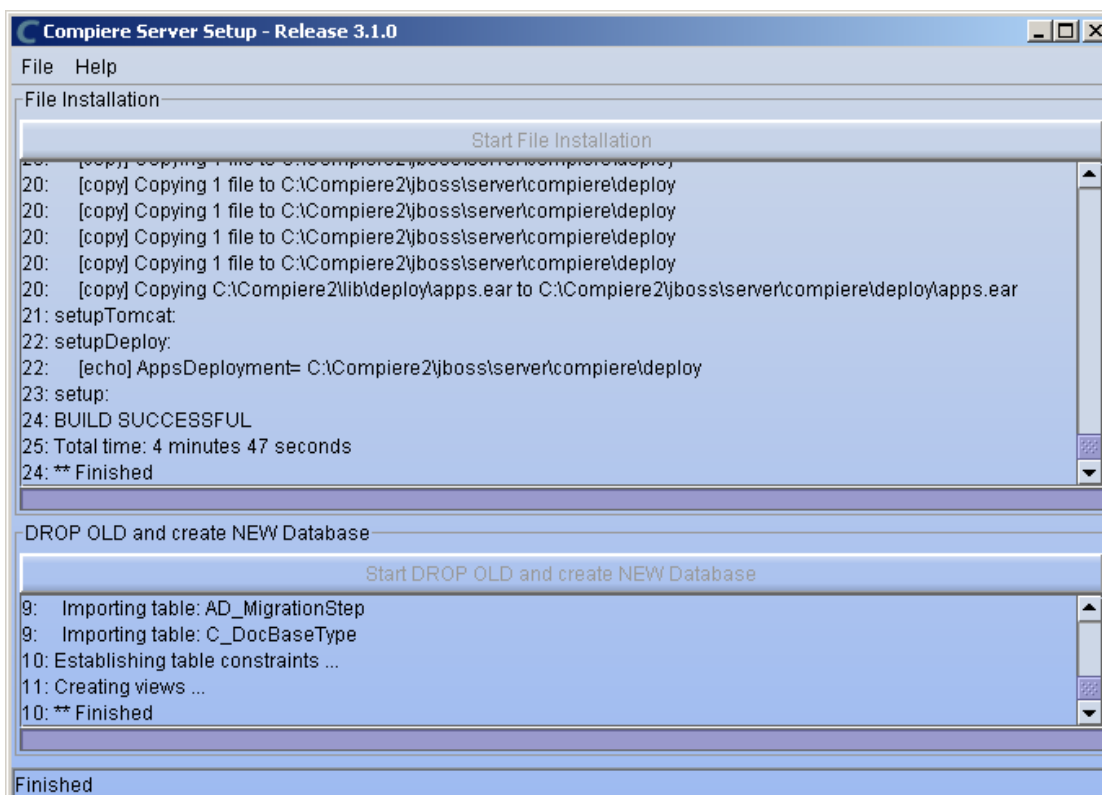


22) At the prompt select 'Yes' to Drop the existing Database and create a new database.



Warning: If you choose to replace the existing database, all data in the existing database will be removed.

23) Verify that you see a '10: ** Finished' message at the end of this step. Then a new window should pop-up to do the license validation.



Hint: If you only intend to use the Community Edition of Compiere 3.0, you may skip the following steps and go to the Application Server section.

Important: For customers with a valid support contract with Compiere, this is a required step to ensure that the features associated with the support level are enabled. If you are a customer and do not have a web store login, please contact your system administrator or Compiere Support first. If you are not a customer and would like to obtain a trial license for the Professional Edition, please [Contact Us](#) and request the files for the Professional Edition.

24) Provide the following information exactly as it was registered in the Compiere Web store and click Check License to validate your asset information.

- System Name (name provided in the web store registration)
- Registered Email (email address provided in the web store registration)
- Password (web store password)

Compiere Support 3.1.0

System Name	Devi30	System Status	Evaluation
Registered EMail	devi.gantakolla@compiere.com	Password	••••••••
Support EMail		Support Units	0
Target URL	jdbc:oracle:thin:@//lap-rl-temp:14	Supported Users	
Support Expires	2010-01-21 00:00:00.0	Support Level	
	<input checked="" type="checkbox"/> Existing Support Contract	Source URL	file://C:/Compiere2/data/compiere
Source URL	file://C:/Compiere2/data/compiere	Source UserID	
Source UserID		Source Password	

Compiere Standard: Licensed (pdf licensed), Expires 01/21/2010 (in 539 days), Seats: 1 (Actual: 0), Status: U
 Compiere Professional: Not Licensed

Check entries and press OK to submit.

25) To verify your license, click the “Check License” button.

Tip: Do not click Start Migration.

Notice that internet access is required to validate the license information.

26) To verify your license, click the “Check License” button.

Compiere Support 3.1.0

System Name	Devi30	System Status	Evaluation
Registered EMail	devi.gantakolla@compiere.com	Password	••••••••
Support EMail		Support Units	0
Target URL	jdbc:oracle:thin:@//lap-rl-temp:14	Supported Users	
Support Expires	2010-01-21 00:00:00.0	Support Level	
	<input checked="" type="checkbox"/> Existing Support Contract	Source URL	file://C:/Compiere2/data/compiere
Source URL	file://C:/Compiere2/data/compiere	Source UserID	
Source UserID		Source Password	

Compiere Standard: Licensed (pdf licensed), Expires 01/21/2010 (in 539 days), Seats: 1 (Actual: 0), Status: U
 Compiere Professional: Not Licensed

Check entries and press OK to submit.

27) Next, review that your license information has been validated.

28) After Compiere Professional license has been verified, click the “X” to close the window.

Note: If you get the error “You do not have an appropriate license to use this feature” when starting the web UI, then login to the server and execute `utils/RUN_Support` to validate again your license and restart the application server.

29) Close any additional Setup and /or Support windows.

Run Application Server

3. Start the Compiere Application Server

- 1) Execute `utils/RUN_Server2`.
- 2) There should be no errors. Check the logs in `$COMPIERE_HOME/jboss/server/compiere/log` to verify this.
- 3) Common problems include ports already in use:
 - 17:41:09,085 ERROR [NamingService] Could not start on port 1099
java.net.BindException: Address already in use:
JVM_Bind at java.net.PlainSocketImpl.socketBind(Native Method)
 - There is another program using port 1099; Stop it and restart `Run_Server2` or setup Compiere to use another port in `RUN_setup`.

Likely port conflicts:

- 80 - You have some other web server running (or you need privileges under Linux/Unix)
- 8080 - The Oracle Database uses that
- 1099 - Often used by IDEs for debugging

Start Compiere

4. Start the Compiere Client.

- 1) Start the Swing client by double clicking on the Compiere shortcut in your desktop or by executing **RUN_Compierre2** from the \$COMPIERE_HOME directory.

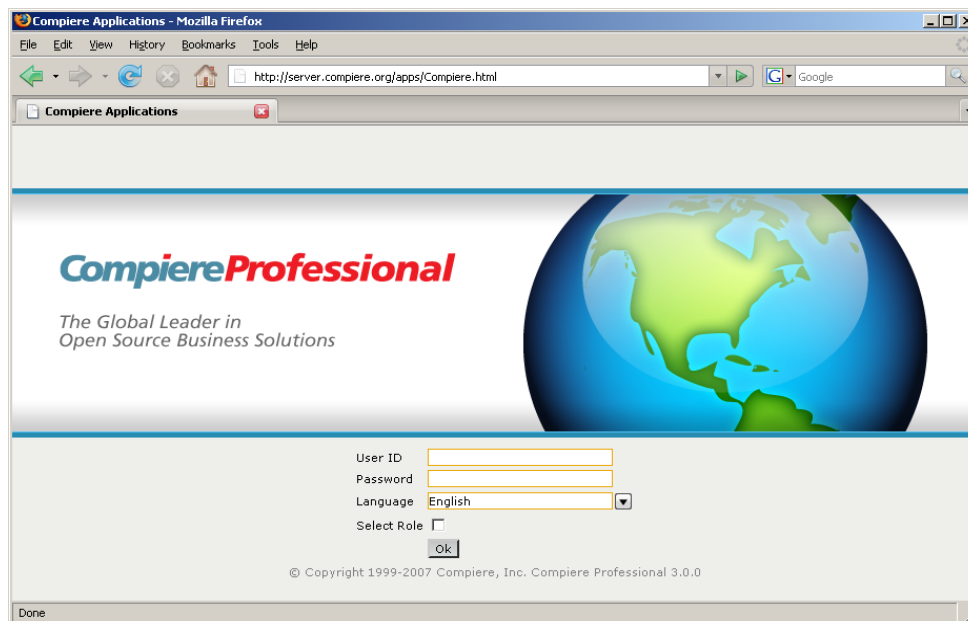
Default users and passwords for the sample Garden World application:

- GardenUser/GardenUser
- GardenAdmin/GardenAdmin
- System/System
- SuperUser/System



- 2) Alternatively, if you have access to the Professional Edition, you can launch the application from the browser by using the URL: <http://server:port/apps>, (e.g. <http://mycompany.com:80/apps>.)

Tip: For optimal performance, the Firefox browser is recommended for using the Compiere Web User Interface.



Information: For additional information see the Compiere home page <http://www.compiere.com>.

Appendix C

Compiere 3.1 – Application Extensions

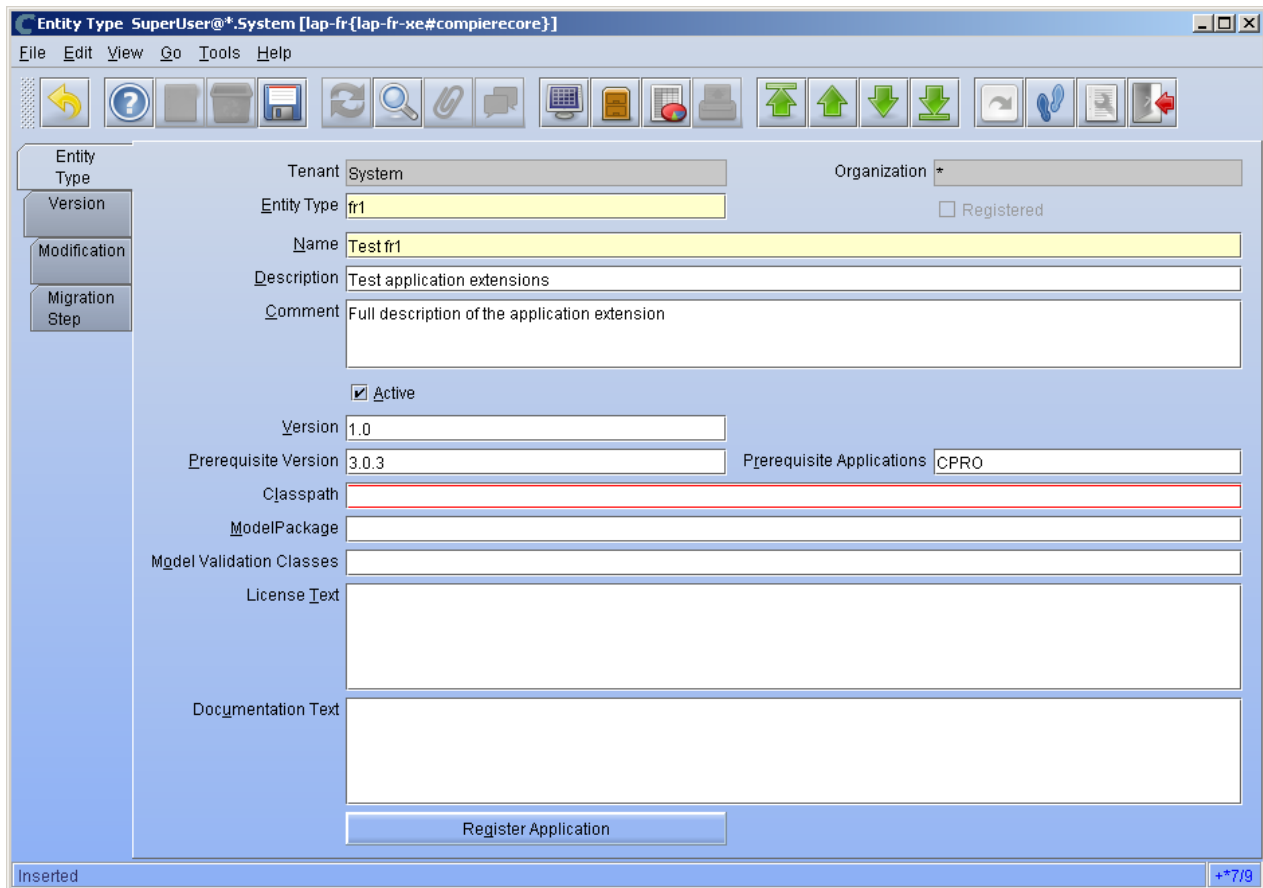
Compiere 3.1 Application Extensions

This section is for Application Extensions in Compiere available as beta functionality in 3.1 for Partners. This framework will allow Partners to create application extensions that include both reference data and code, and can be distributed to their customers through Compiere. The rollout of the application marketplace is scheduled for the second half of 2008.

Registration of Application Extensions – Application Provider (Partner)

Use the steps below to register for Application Extensions:

- 1) To register an Application Extension, log a Support Request with Compiere.
- 2) Login with the System Administrator role.
- 3) Open the Entity Type window (Application Dictionary => Entity Type) and create a new record.



The screenshot shows the 'Entity Type' window in Compiere. The window title is 'Entity Type SuperUser@*.System [lap-fr-{lap-fr-#compierecore}]'. The menu bar includes File, Edit, View, Go, Tools, and Help. The toolbar contains various icons for navigation and actions. The main form area is divided into several sections:

- Entity Type:** Tenant: System, Organization: *
- Entity Type:** Entity Type: fr1, Registered:
- Name:** Test fr1
- Description:** Test application extensions
- Comment:** Full description of the application extension
- Active:**
- Version:** 1.0
- Prerequisite Version:** 3.0.3
- Prerequisite Applications:** CPRO
- Classpath:** (empty field)
- ModelPackage:** (empty field)
- Model Validation Classes:** (empty field)
- License Text:** (empty field)
- Documentation Text:** (empty field)

At the bottom of the form is a 'Register Application' button. The status bar at the bottom left shows 'Inserted' and the bottom right shows '+*7/9'.

Hint: Be careful not to modify the entities C, D, CPRO or XUOM.

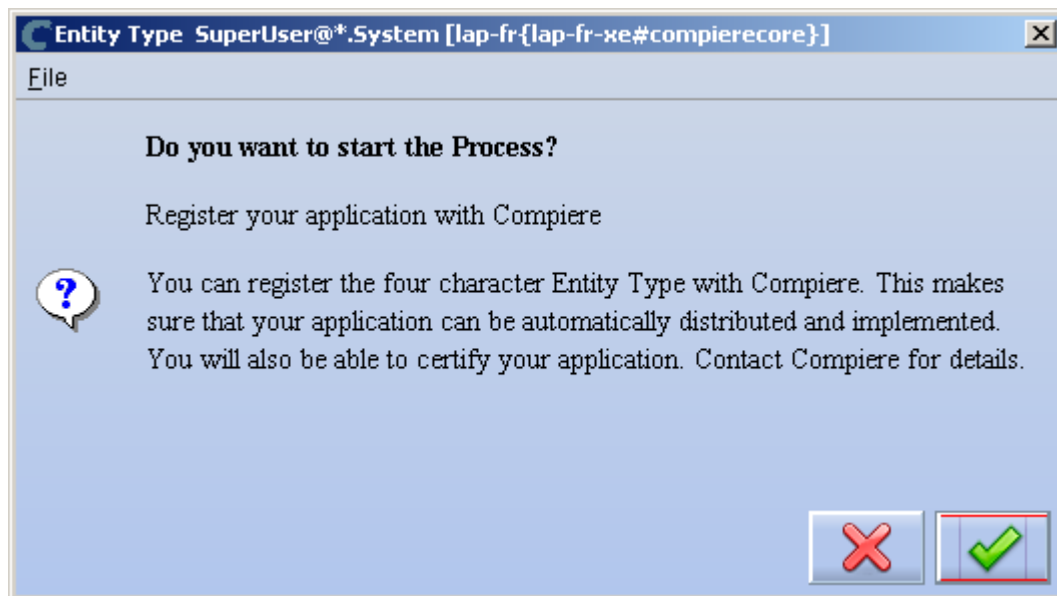
Important: Complete all the mandatory fields. For entity type, notice that names beginning with “C” and “X” are reserved for Compiere and you must use four characters.

Comments about optional fields:

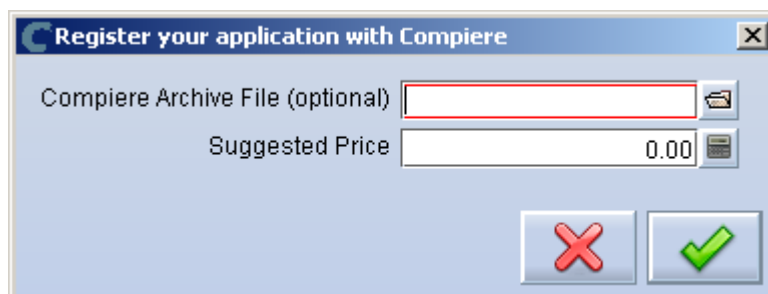
- Version: The version of your extension. Usually 1.0 for the first version.
 - Prerequisite version: The Compiere Core version that is required for this extension, e.g. 3.1. You need to use the exact text as defined for the entity type D.
 - Prerequisite applications: The entity type of the applications that need to be installed in order to install this extension. For example, set it to CPRO if the extension must be applied on top of the professional edition.
 - Classpath: List of additional jar files required for this extension.
 - Model package: Specific model package from the jar files listed in the classpath field.
- 4) You do not need to enter any information on the Version, Modification, or Migration Step tabs.
 - 5) Ensure that your System window contains your up to date information for your system and web store email/password information.
 - 6) Click "Register Application" to send your request to Compiere.

Tip: If an entity type with the same name has already been registered you'll get an error "Error: Already registered: XXXX". You will have to create a new record with the new entity type. Verify with Compiere that the new entity type that you plan to use is available.

- 7) Click 'Ok' to start process.



- 8) Leave the defaults in place and click 'Ok' to continue.



- 9) At this point the status will be pending approval from Compiere. A Compiere representative should contact you soon to confirm the registration or to ask any additional questions.

Creation of Application .car file – Application Provider (Partner)

Follow the steps below to create the Application.car file:

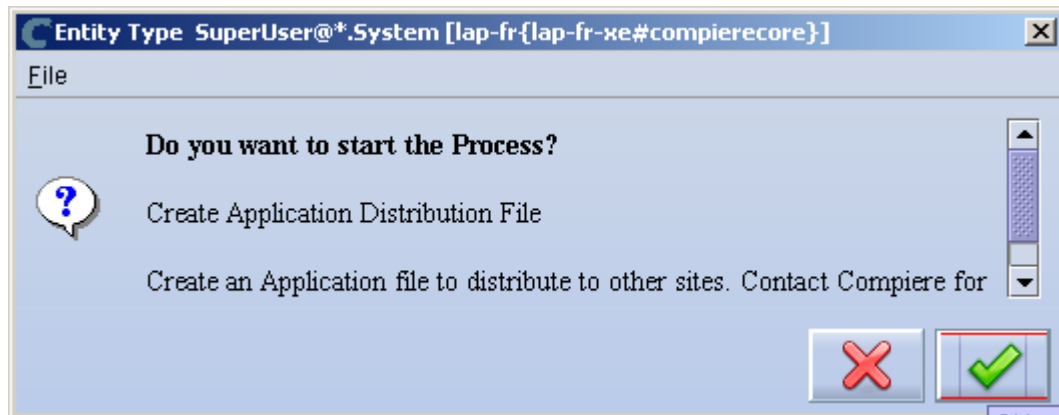
- 1) Make all the application dictionary changes using the entity type that you registered in the previous step.
- 2) Generate jar files for the custom code required by your extension.
- 3) After having your new Entity Type approved by Compiere; login to Compiere with the System Administrator role and query the entity type that you registered in the previous step and click “Create Application File.”

The screenshot shows the 'Entity Type' configuration window in Compiere. The window title is 'Entity Type SuperUser@*.System [lap-fr-{lap-fr-xe#compierecore}]'. The interface includes a menu bar (File, Edit, View, Go, Tools, Help) and a toolbar with various icons. On the left, there is a sidebar with buttons for 'Entity Type', 'Version', 'Modification', and 'Migration Step'. The main area contains the following fields and controls:

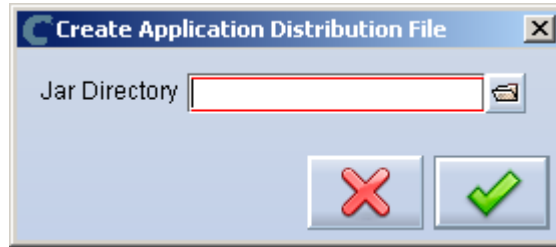
- Tenant: System
- Organization: *
- Entity Type: LFR1 (with a checked 'Registered' box)
- Name: Test fr1
- Description: Test application extensions
- Comment: Full description of the application extension
- Active:
- Version: 1.0
- Prerequisite Version: 3.0.3
- Prerequisite Applications: CPRO
- Classpath: lfr1_code.jar
- ModelPackage: (empty)
- Model Validation Classes: (empty)
- License Text: (empty)
- Documentation Text: (empty)

At the bottom of the form, there are two buttons: 'Register Application' and 'Create Application File'. A status bar at the bottom left indicates 'Record saved' and the bottom right shows '7/9'.

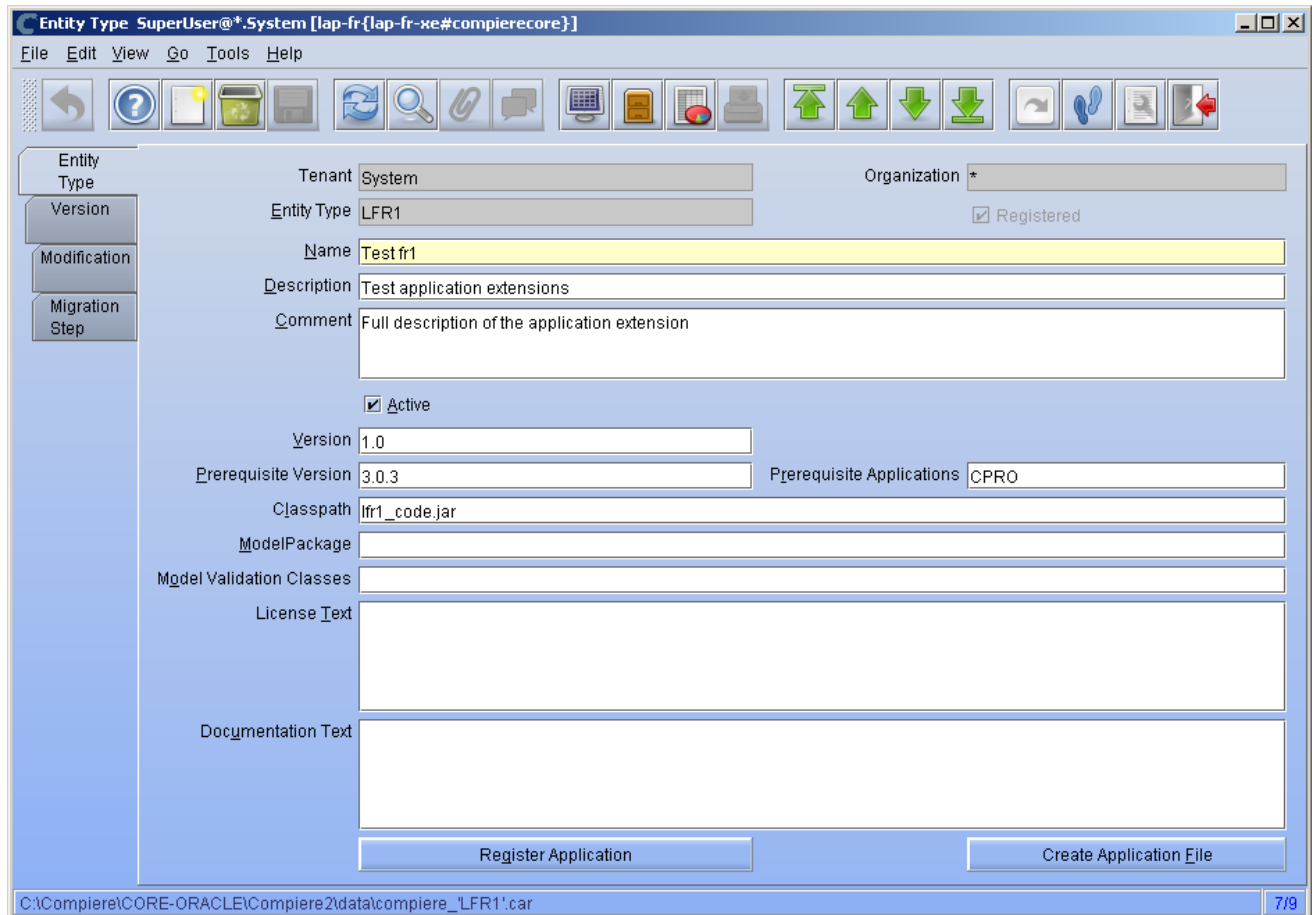
- 4) Click 'Ok' to start process.



- 5) Provide the directory for the jar file directory.



- 6) The car file will be generated in the COMPIERE_HOME/data directory. The newly generated .car file will have a name of compiere_XXXX.car.



Important: The naming convention for .car files has changed, (e.g. compiere_'CPRO'.car prior to 3.1 is now compiere_CPRO.car in 3.1). If a customer unzips the Compiere installation files into the same directory, it is possible to end up with both compiere_'CPRO'.car as well as compiere_CPRO.car. This in turn will cause Compiere Professional to show up twice in the installation window. To avoid this situation, customers will need to manually delete compiere_'CPRO'.car and compiere_'XUOM'.car from COMPIERE_HOME/data directory. These are the only two .car files that Compiere has distributed prior to 3.1. If a customer has created any additional .car files prior to 3.1, it is necessary to follow the same procedure for those .car files as well.

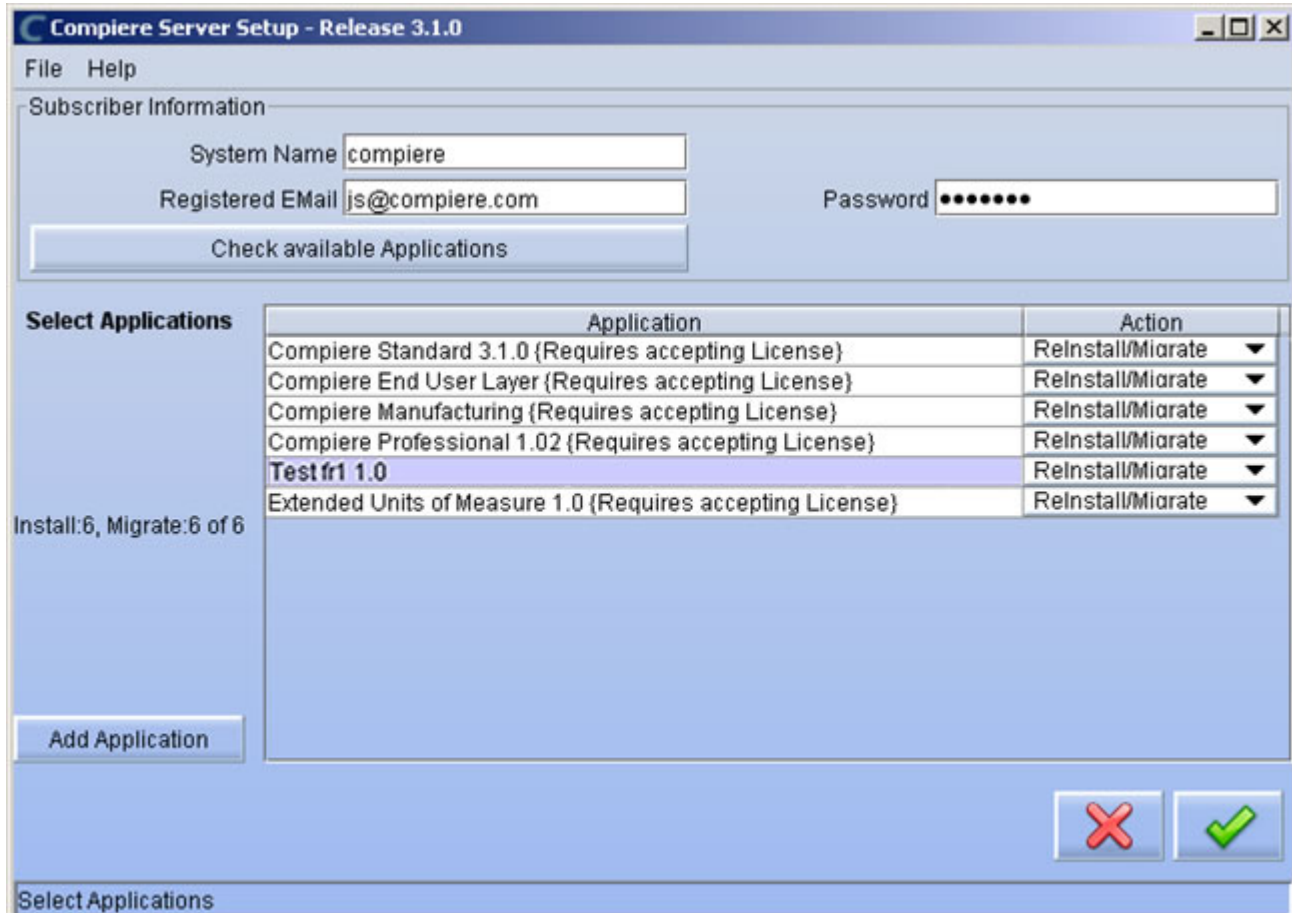
Installation – Application Consumer (Customer)

Follow the steps below to install the Application:

- 1) After obtaining the car file for the application extension, copy it to the directory COMPIERE_HOME/data.
- 2) Execute RUN_Setup (see Appendix A for details on the setup information.)

Important: Be sure to have internet connection available to be able to get the license terms for the application extensions that you plan to install.

- 3) When you get to the window to select the applications, besides the application extension that you need to install, also select the option Reinstall/Migrate for Compiere Core 3.1.



- 4) Then continue with the MIGRATION steps as usual. (See Appendix A for more details.)

Appendix D

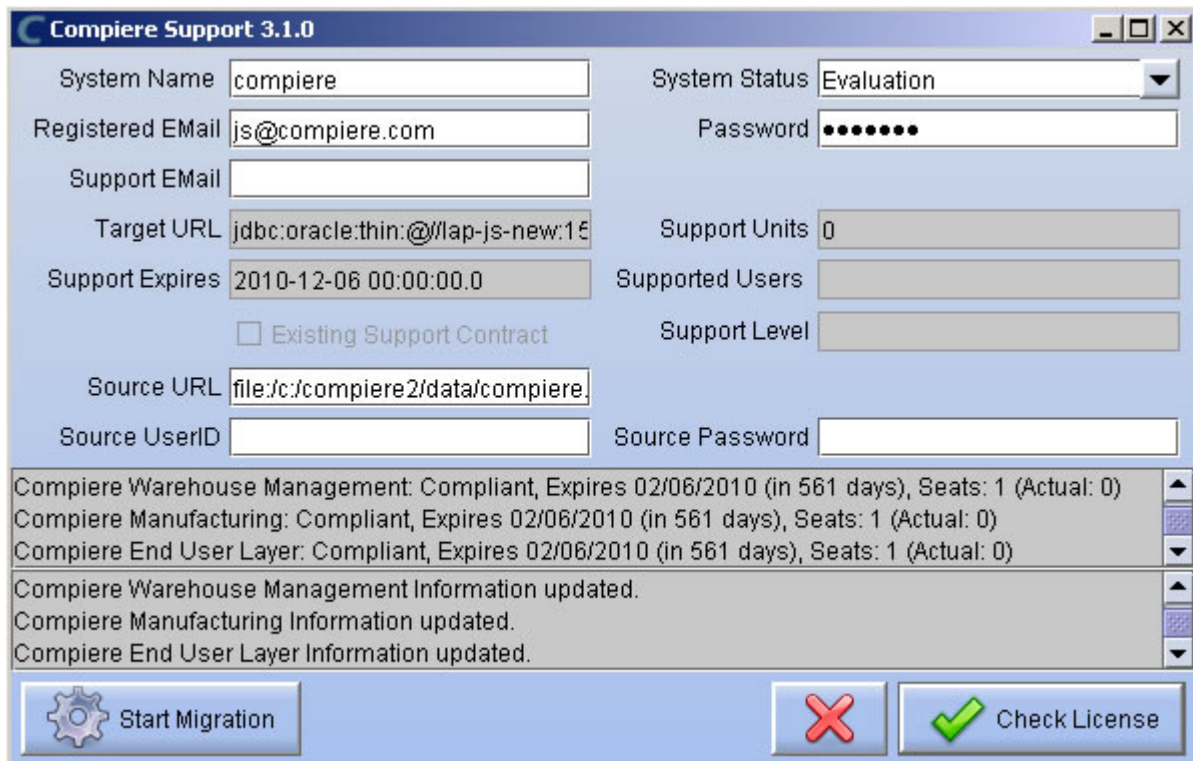
Compiere 3.1 – Delete Client and Delete Client Transactions

Delete Client and Delete Client Transactions

This allows you to remove unwanted tenants and transaction data that you might have added while testing the application. This is an existing functionality from previous releases, but the instructions are now different. To access this functionality you need follow the steps listed below.

Complete the following steps to Delete a Client and Client Transactions:

- 1) Execute **utils/RUN_Support**.
- 2) Provide your system name, email address and password exactly as it was registered in the Compiere Web Store, and select Check License.
- 3) Update the source URL section. Then verify that the database is correct, and provide the Compiere user name and password.
- 4) Select Start Migration.

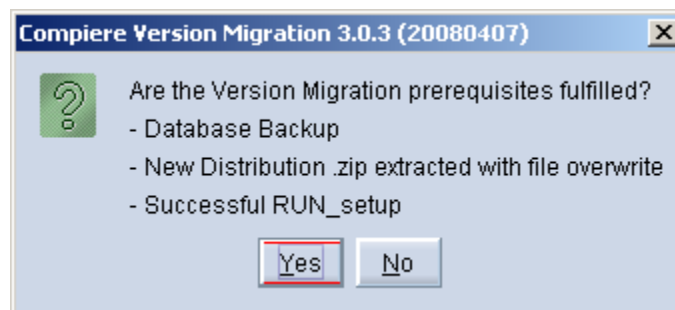


Compiere Support 3.1.0

System Name: compiere
Registered EMail: js@compiere.com
Support EMail:
Target URL: jdbc:oracle:thin:@//lap-js-new:15
Support Expires: 2010-12-06 00:00:00.0
 Existing Support Contract
Source URL: file:c:/compiere2/data/compiere.
Source UserID:
System Status: Evaluation
Password:
Support Units: 0
Supported Users:
Support Level:
Compiere Warehouse Management: Compliant, Expires 02/06/2010 (in 561 days), Seats: 1 (Actual: 0)
Compiere Manufacturing: Compliant, Expires 02/06/2010 (in 561 days), Seats: 1 (Actual: 0)
Compiere End User Layer: Compliant, Expires 02/06/2010 (in 561 days), Seats: 1 (Actual: 0)
Compiere Warehouse Management Information updated.
Compiere Manufacturing Information updated.
Compiere End User Layer Information updated.

Start Migration [Red X] Check License

- 5) Click 'Yes' to continue.



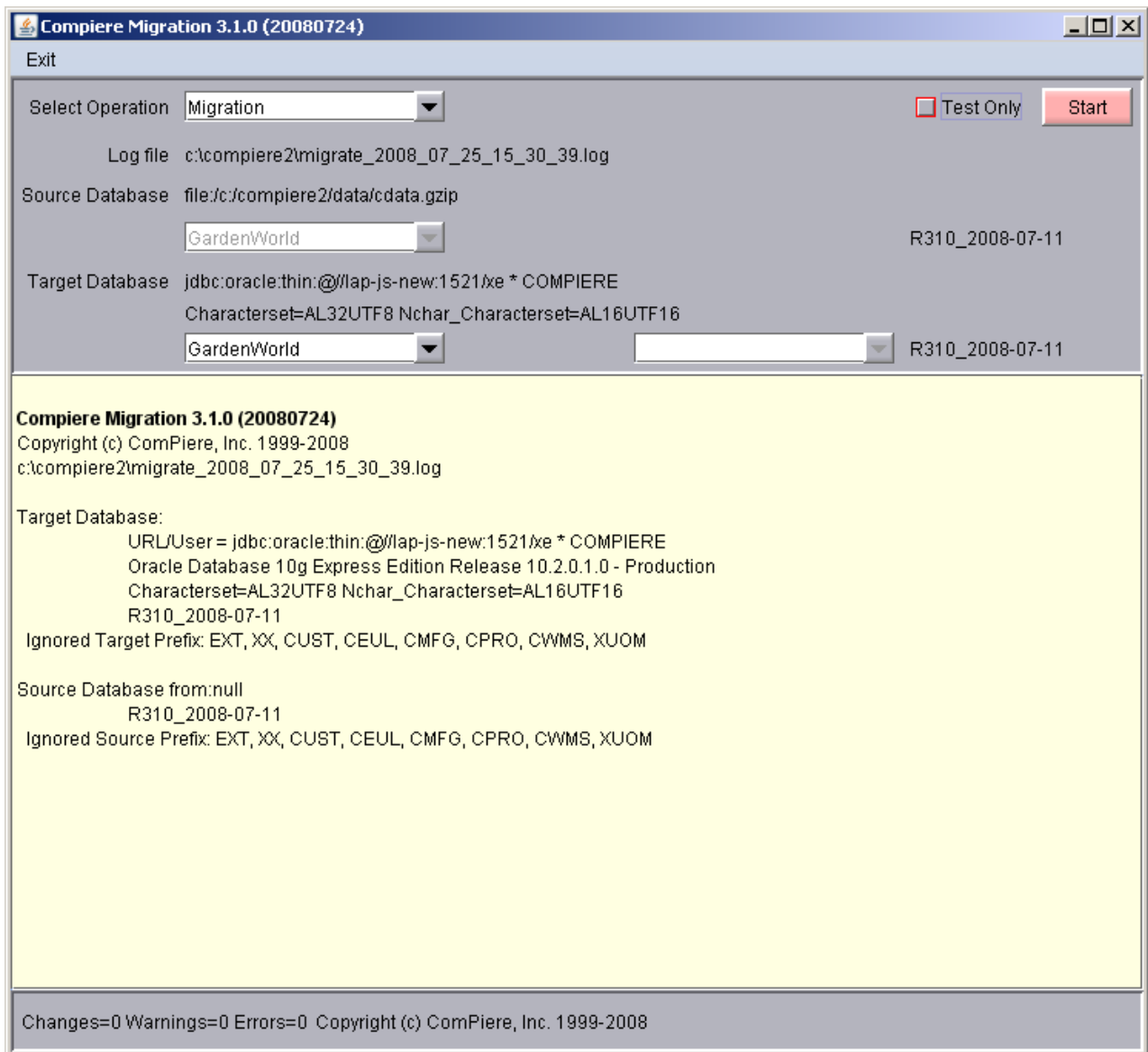
Compiere Version Migration 3.0.3 (20080407)

Are the Version Migration prerequisites fulfilled?

- Database Backup
- New Distribution .zip extracted with file overwrite
- Successful RUN_setup

Yes No

- 6) Select the operation Delete Client (all) or Delete Client Transactions.
- 7) Uncheck test only and select Start.



Note: The options Copy Tenant and Copy Tenant Setup are not functional at this time. There's already an internal bug logged for this issue and we will try to address it as soon as we can.