



## Compiere 3.3 Release Notes

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# Table of Contents

## Compiere 3.3 Release Notes

<b>Compiere 3.3 Release Summary</b>	<b>3</b>
• Prerequisites	3
<b>Software Management</b>	<b>3</b>
• Previous Installations	3
• Recommended Infrastructure	3
• Process to Log Support Requests	3
• Update/Migration Procedure	3
• Install Procedure	3
• Application Extensions	3
• Command Line Scripts	3
<b>New In Compiere 3.3</b>	<b>4</b>
• Grid Functionality and Tab Navigator	Compiere Professional Edition 4
• Report Enhancements	Compiere Professional Edition 4
• New Reports	Compiere Professional Edition 4
• Compiere on Amazon EC2	Compiere Cloud Edition 5
• Additional Enhancements	Compiere Professional Edition 5
• Technical Enhancements	All Compiere Editions 5
<b>The Web User Interface in Compiere 3.3</b>	<b>6</b>
• Web User Interface Compiere 3.3	Compiere Professional Edition 6
<b>Fixed Issues for Compiere 3.3</b>	<b>7</b>
<b>Product Enhancements for Compiere 3.3</b>	<b>8</b>
<b>Known Issues in the Migration Process</b>	<b>9</b>
<b>Known Issues in the Install Process</b>	<b>9</b>
<b>Known Issues in Compiere 3.3</b>	<b>11</b>
<b>Appendix A</b>	<b>12</b>
<b>Compiere 3.3 Migration Instructions</b>	<b>13</b>
• Prerequisites	13
• Preserving Customizations	13
• Migration Steps	13
• Preparation	14
• Test Mode (optional)	14
• Migrate to a New Release	14
• Post Migration Steps for RMA/RTV	25
<b>Appendix B</b>	<b>26</b>
<b>Compiere 3.3 Installation Instructions</b>	<b>27</b>
• Prerequisites	27
• Database Installation	27
• Java Installation	27
• Download Compiere	27
• Run Application Server	34
• Start Compiere	35
<b>Appendix C</b>	<b>36</b>
<b>Compiere 3.3 Application Extensions - Compiere Partners</b>	<b>37</b>
• Registration of Application Extensions – Application Provider (Partner)	37
• Creation of Application .car file – Application Provider (Partner)	39
• Installation – Application Consumer (Customer)	41
<b>Appendix D</b>	<b>42</b>
<b>Command Line Scripts</b>	<b>43</b>

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# Compiere 3.3 Release Summary

Compiere 3.3 is a major release that adds more than 35 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-3-3.php> to learn more about the Compiere 3.3 benefits.

Certain features in Compiere 3.3 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 3.3 may include certain prototype features and beta functionality as indicated in their respective user interfaces with a beta checkbox. These are not recommended for production. They are intended only for evaluation as beta functionality.

## 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 3.3.

### • Prerequisites

- Working knowledge of Compiere ERP and CRM
- Compiere Web Store Access
- Sun Java JDK 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 3.3 from <http://www.compiere.com/wstore>. The migration tool will bring you up directly to Compiere 3.3 plus all the cumulative fixes included in the service packs without having to migrate to an intermediate release.

### • Recommended Infrastructure

- Sun Java JDK 6 Update 5 or Later (not just JRE)
  - also known as Sun Java SDK.
- 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: > 1 GB
- Firefox Browser 3.0 is recommended for Web User Interface.

### • Process to Log Support Requests

To ensure timely service for any issues, please use the Compiere's Case Management system. For details please review the [Support Requests](#) page on our website.

### • Update/Migration Procedure

See [Appendix A](#)

### • Install Procedure

See [Appendix B](#)

### • Application Extensions

See [Appendix C](#)

### • Command Line Scripts

See [Appendix D](#)

## New In Compiere 3.3

The following is a detailed description of the enhancements made available in Compiere 3.3.

### • Grid Functionality and Tab Navigator **Compiere Professional Edition**

Compiere 3.3 provides the ability of table inline editing behavior in the Web UI to make it behave more like a Excel spreadsheet. Users can add and modify records in grid mode without having to go into single record view. This also provides easy navigation between tabs.

Few highlights:

1. Single click to highlight one cell to be edited. Double click to edit the cell
2. Use keyboard up, down, left, right, tab to navigate through cells
3. F2 to switch between "Edit" and "Enter" mode. The difference between those mode is that in "Enter" mode the arrow keys would take the user out of the editing, while in "Edit" mode arrow keys are treated as editing keys

Tab Navigation:

Breadcrumb behavior between window/tabs has been modified to provide easy navigation. Breadcrumbs in general are clickable. Breadcrumbs with underline are clickable and mouse over breadcrumb that is not underlined will pop up the menu for other tabs (if there are any). For example: In Business Partner window, when you update the customer information and also want to update the contact (user), you mouse over the Customer tab on the top and select the tab you want to update.

### • Report Enhancements **Compiere Professional Edition**

Compiere 3.3 provides the ability to create adhoc reports. My Reports UI has been enhanced to show Reports as Tree nodes under the menu tree. A Report Editor is also provided so that users can Edit the Report Print Format's and create new ones. User can also run the Report as and when making changes to the print format.

### • New Reports **Compiere Professional Edition**

Compiere 3.3 provides 25 newly created reports. Following is the detailed description of new reports available in 3.3.

Functional Area	Report Name	Description
<b>Order Management</b>	Sales Order Summary	What are my sales orders?
	Sales Order Detail	What products did my customers buy?
	Open Orders	What are my open orders?
	Sales by Invoice Date	What are the sales of each product based on date invoiced?
	Sales by Product Category Summary	What are the sales of each product in a product category?
	Sales by Product Category Detail	What are the sales of each product in a category and what was the invoice amount?
	Sales by Product Category and Customer	What are the sales of each product in a category and how much has each customer spent on it?
	Sales by Customer Detail	What are the sales of each product and how much has each customer spent on it?
	Cash Journal Detail	Detail Cash Journal Information
<b>Procurement</b>	Purchase Order Summary	What are my purchase orders?
	Purchase Order Detail	What products or services did we buy?
	Purchases by Invoice Date	What products did we purchase based on the date invoiced?
	Purchases by Product Category Summary	What products did we purchase in every product category?
	Purchases by Product Category Detail	What was the invoice amount on purchases of products from each vendor by product category?
	Purchases by Product Category and Vendor	How much did we spend on purchases of products from each vendor by product category?

	Purchases by Vendor Detail	How much did we spend on purchases from each vendor and what products did we buy from them?
<b>Material Management</b>	Product List Storage Detail	What products do we have in our facility? Storage Detail Report
<b>Financial Management</b>	Transaction Detail by Account Accounting Entries by Date	What are the transactions for each account by business partner? What do my accounting entries look like for a date range or period?
<b>Partner Relations</b>	Business Partner Contact List Business Partner's Mailing List	What is my business partner's contact information? What is my business partner's mailing information?
<b>Requests</b>	Support Requests	What are the support requests by status?
<b>Customer Assets</b>	Customer Assets	What are my customer's assets?
<b>System Administration</b>	List of Reports	Create a list of all the reports in the system

## **Compiere on Amazon EC2** **Compiere Cloud Edition**

Compiere Cloud Edition is a comprehensive business application that is deployed on Amazon's cloud computing environment. Compiere Cloud Edition is based on the comprehensive Compiere Professional Edition which automates processes from Accounting, Purchasing, Order Fulfillment, Manufacturing, Warehousing and CRM. The combination of Compiere Cloud Edition and Amazon's EC2 platform provides convenience of utility computing, comprehensive functionality, flexible deployment, and reduces the cost of ERP deployment by eliminating up-front capital costs for hardware and software, while also reducing ongoing IT infrastructure support costs. For more details about Compiere Cloud Edition, please visit <http://www.compiere.com/products/cloud-edition>.

Compiere Partners may offer Compiere Cloud Edition by participating in a short web-based training class and achieving Compiere Cloud Edition partner certification.

## **Additional Enhancements** **Compiere Professional Edition**

- Work Flow Editor – A form available from the Main Menu used to create or modify a Workflow.
- Accounting Dimensions – Windows used to set up Account structure.

## **Technical Enhancements** **All Compiere Editions**

- New command line scripts to install migrate or update the license of your instance. For details see appendix D.
- For customers using Oracle database, we have migrated from our Compiere cache implementation to the Oracle JDBC connection cache implementation for Data Source. This should improve performance, especially for the Professional Edition, by better using the cache of physical database connections.
- For customers using Oracle database, we have also upgraded to the Oracle JDBC driver version 11.1.0.7. This driver is certified by Oracle against databases 10gR2 and 11gR1.
- Since Compiere 3.2.1 we are using JBoss Application Server version 4.2.3. For details see [JBoss release notes](#)

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## The Web User Interface in Compiere 3.3

The following is a detailed description of what the Web user interface has to offer in Compiere 3.3

### • Web User Interface Compiere 3.3

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. 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:

- 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.
- 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.
- Print from info windows – A button accessible from any Info window used to print a screen shot of the information.
- Drill down on reports – Interactivity on Reports which enables you to view a different report from a drill 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.
- 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.

**Important:** The Firefox Browser 3.0 is recommended when using Compiere Release 3.3 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 3.3

The following is a list of the customer issues that have been fixed in Compiere 3.3.

Compiere Case Number	Description
10016066	When logging in as language en_ZA or english(UK) -- the print option is selected the date format is MM/dd/yyyy for the printed document, contrary to the format on the window.
10016582	Charge: amount not used in Sales Order
10018003	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.
10018211	Unable to install when using a print format attached to a process
10018261	Web UI :Log in as GardenAdmin, create a new Role and defined it as Access Level 'Organization'; Access to all Orgs FALSE and Use User Org Access TRUE. Create a new User linked to that Role and linked to Organisation 'Store'. Log in with this new user, go into Business Partner or Sales Order Screen : the 'Tenant' field has disappeared. In 'Organisation Field' I can only choose *
10018817	Tree navigation: When you drag nodes (for example drop a new child node into an existing summary) the whole tree collapses. You have to manually navigate back to the correct point in the tree. When you switch tabs, for example to look at child records of the current record, and then return to the tab that contains the tree the tree is collapsed. This can be seen in the "Account Element" window, with the "Element Value" and "Sub Account" tabs.
10019057	When placing a purchase order on a warehouse, the "On Order" qty gets increased. If the Material Receipt matched to that PO is for a different warehouse, then the On Order qty is reduced on the wrong warehouse.
10019246	Web UI - Business Partner > Bank Account Tab, if a ACH selected and a bank chosen, the Account No field is moved to a third column. There should only be 2 columns.
10019248	Web UI Shortcuts - Ctrl-M (new line) doesn't work in any window that has child tabs (e.g. Business Partner window).
10019281	InfoColumns is not translated. Because synchronize terminology does not update it. Besides Infowindow titles menu are not translated.
10019351	Accounting consequences. There is no minus sign in accounting. But Compiere sometimes treat specific accounting consequences with minus rather than with debit or credit place.
10019492	Payment Selection - Create From. If I have invoices in 2 or more organizations, the "Create From" process will add these all invoices to the current payment selection. Hence the organization linked to the current payment selection is paying the invoices for all other organizations.
10019619	WebUI : Callout issue. When you update a field, sometimes the Callout linked to that field is not run if You type the value of the field, then type the ENTER key then Save
10019636	WF Activity panel: message not cleared between activities
10019757	Web UI. When using Import File Loader to import orders, the process fails to process csv files correctly that have more than 6003 lines in it.
10019788	Web UI: On the Sales Order window zooming on the Related Order field opens the original order and not the related order. The Swing UI works correctly.
10019795	Both interfaces-With a role defined for access all orgs, bank account (as used in Payment Selection and Payment Selection manual does not display all appropriate banks. When org access is explicitly defined for the role it works properly It does not matter if the data access level is set to Tenant & Organization or just Organization
10019798	Role record access on virtual columns: If a role have record access rule with "Dependent Entities" selected, and the accessed table contain the column as ColumnSql, the generated select SQL is wrong.
10019829	Payment Allocations - if a payment allocation is linked to an invoice with an amount at zero value, then the accounting consequence posting doesn't occur. It displays an error message indicating that the invoice hasn't been posted even though the invoice has been posted and the payment posted at zero value. Invoice has to be in a different currency to the base currency.
10019835	Default logic 2 doesn't work with HTML UI .
10019852	Performance for importing a 10,000 purchase order is excessively long (25 minutes) both in SWING and WebUI.
10019926	Unable to start Compiere Apps Server as a service
10020048	Task Window: The wave field is not being populated.
10020049	Warehouse Task window: The Shipment/Receipt field is not being being displayed and populated for Material Putaways. This is inconsistent with Shipments.

Compiere Case Number	Description
10020052	Wave Release window. 1) If a Warehouse is chosen, the Wave drop down list gives a list of all waves for all warehouses. It should only give waves for the specific warehouse. 2) Waves that have already been released are shown in the drop down list. Only Waves that are unreleased should be displayed.
10020115	Product Based Receipt. When entering lines in the Grid Mode only, get the following errors: 1) Once all lines have been entered and saved, there is no active Create Receipts button in grid view. A user needs to go into Edit mode and then the Create Receipts button is enabled. 2) One Create Receipts has been run in grid mode, only the current line is updated with Receipt Number, Receipt Created, etc. A re-query is required to update all lines. At the end of the Create Receipt process can a requery on all records in the grid view be performed?
10020117	Warehouse Management Workbench: Can the "Locator" field: 1) Be renamed to "Fallback Locator" or something similar, 2) The "comment" and "description" of the field improved to described what it does. Currently the they indicate that it is a "warehouse locator" and doesn't describe that it is used when a putaway locator can't be found.
10020170	Edb specific: When I select a BOM product in a sales order>Order line tab, it is throwing the error.
10020178	EDB: Compiere comes back with the message that product or component is not on the pricelist (On order-header, pricelist Standard is selected)
10020240	Wave Planning Window: Get a java null point and no wave generated error when trying to generate a wave with the following conditions: Generate Pick List : Yes, Print Pick List: Yes, Document Action: Prepare
10019919	Performance and locking issues while completing invoice.
10019791	If I create a new CAR-File for our extension via "Create Application File" I get some stack traces during this process. It's a problem with M_RecentItem. The log is attached for more details. Seems not to be critical because the extensions are working but maybe it is interesting to know.
10019584	Tree maintenance: does not take security by organization into account.
10019037	Roles having access to print formats without considering security by organization
10020007	Printing from Dunning Run window -> Entry tab does not work correctly

## Product Enhancements for Compiere 3.3

The following is a list of the enhancement Requests that have been completed in Compiere 3.3.

Product Enhancement	Description
10020036	Warehouse Tasks: For Material Putaway tasks the Order line field is not populated. It is populated for Material Pick tasks.



## Known Issues in the Migration Process

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

Migration Issues – Warning/Error Messages	Database	Comments
ORA-00001: unique constraint... violated	All	This might indicate referential issues in your pre-migration data. Review the problem data.
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 might indicate referential issues in your pre-migration data. Review the problem data.
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 No Key & No Parent - Table AD_RecentItem	EnterpriseDB	This is an acceptable warning message.
	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
ORA-01452: cannot CREATE UNIQUE INDEX; duplicate keys found - CREATE UNIQUE INDEX AD_PrintFormatItem_Unique ON AD_PrintFormatItem (AD_PrintFormat_ID,Name)	All	Migration of additional components (.car) with print format items won't work as expected.

## Known Issues in the Install Process

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

Install Issues – Warning/Error Messages	Database	Comments
-----> 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('2006-02-23 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.T4CTTloer.processError(T4CTTloer.java:305)	All	These are acceptable if your database is not set for Unicode.

Install Issues – Warning/Error Messages	Database	Comments
<p>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)</p>	All	No effect on the functionality. You may ignore this error.
<p>Error after clicking Save on the RUN_Setup window</p> <p>=====&gt; CConnection.createConnection: jdbc:oracle:thin:@//lap-fr:1521/xe, (1)  AutoCommit=true,TrxIso=READ_COMMITTED - ORA-010  17: invalid username/password; logon denied  [12]  -----&gt; CPreparedStatement.&lt;init&gt;: 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</p> <p>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</p> <p>Create Views *****  Starting to create views for entity: XUOM  Created view #1 for entity: XUOM</p> <p>Failed sql statements  &lt;&lt;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&gt;&gt;  ... same error for other indexes...  &lt;&lt;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&gt;&gt;  ...same error for other constraints...</p>	All	This is an acceptable warning message

## Known Issues in Compiere 3.3

Issues you may encounter using Compiere 3.3

Issue	Database	Solution
Web UI: After running a large report in Firefox, the user may get a message that "The File is damaged and could not be repaired". The workaround is to save the PDF on your machine using "File->Save Page As" in the Firefox window, and then opening the PDF.		
Web UI: Description is not available in workflow editor. Process requisition workflow. You should be able to see the description (ex: {10: Total Lines >100})		
Web UI: When any of the Workflow Review (i.e. Initial Tenant Setup Review) windows are displayed and then the menu tree is expanded over the workflow review, the icons for the steps in the workflow overwrite the menu options.		
Web UI: There is no button Panel at the bottom of the page for workflow Navigation in workflow editor window.		
Help window logged in with different language pack shows up in English.		
Warnings/errors in the JBoss server log --- Packages waiting for a deployer --- org.jboss.deployment.DeploymentInfo@d77f6fbd { url=file:/Compiere2/jboss/server/compiere/deploy/ejb3-interceptors-aop.xml }  WARN [org.jboss.ejb.tx.timer.EJBTimerServiceImpl] Cannot obtain the implementation of a PersistencePolicy, using NoopPersistencePolicy: java.lang.RuntimeException: Error creating MBeanProxy: jboss.ejb:service=EJBTimerService,persistencePolicy=database		This is an acceptable warning message

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>.

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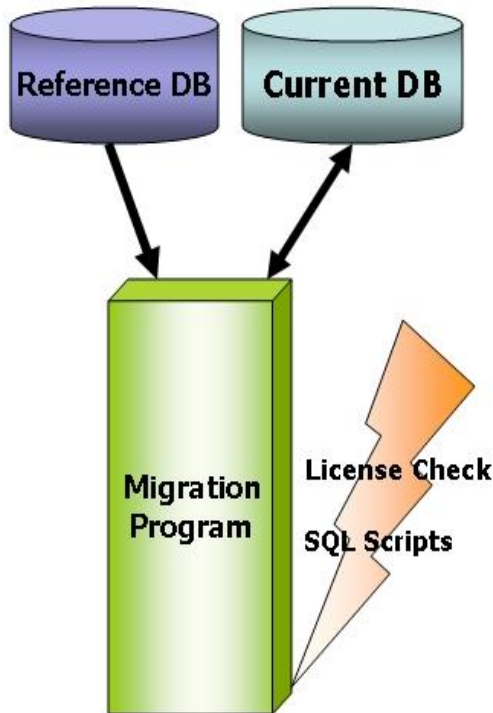
## **Appendix A**

### **Compiere 3.3 – Migration Instructions**

## Compiere 3.3 Migration Instructions

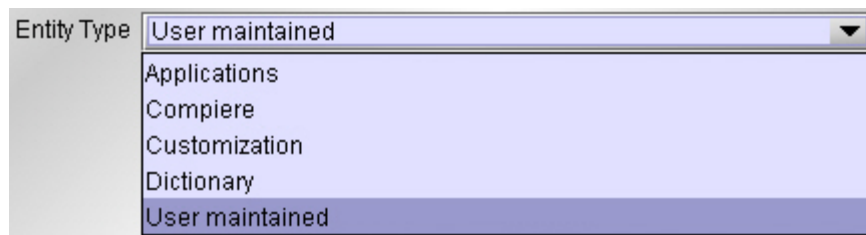
### • Prerequisites

- A valid Support contract
- Sun Java JDK 6 (SDK) – Update 5 or later (not just JRE)
- Database Oracle XE, Oracle 10gR2, Oracle 11g or EnterpriseDB Postgres Plus Advanced Server 8.3.



### • 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

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## • 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 (filename including single quotes)
- Delete `COMPIERE_HOME/data/compiere_'XUOM'.car` file (filename including single quotes)

### 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: The screen shots show version 3.2.0\_Beta but these also apply for 3.3.

**Compiere Server Setup - Release 3.2.0\_Beta**

File Help

Java Home	C:\Program Files\Java\jdk1.6.0	Java VM	sun
Compiere Home	c:\compiere2	KeyStore Password	.....
<b>Application Server</b>	lap-js-new	Server Type	jboss
Deployment	c:\compiere2\jboss\server\com	JNP Port	1099
Web Port	80	SSL	443
<b>Database Server</b>	lap-js-new	Database Type	oracleXE
Database Name	xe	Database Search	xe
Database Port	1521	System Password	.....
Database User	compiere	Database Password	.....
<b>Mail Server</b>	lap-js-new	Admin Email	info@lap-js-new
Mail User	info	Mail Password	

Test ? Save

Ok

- 3) The Compiere Public License Opens. Click "Yes, I Understand and Accept" to continue.

**Compiere - License Agreement**

## COMPIERE PUBLIC LICENSE

Version 1.3

Contact [Compiere](#) for licensing alternatives.

### Preamble

BY INSTALLING OR USING THE SOFTWARE PROVIDED TO YOU BY COMPIERE, INC. ("SOFTWARE"), YOU ARE AGREEING ON BEHALF OF YOURSELF OR THE ENTITY LICENSING THE SOFTWARE ("CUSTOMER") THAT CUSTOMER WILL BE BOUND BY AND IS BECOMING A PARTY TO THE LICENSE AGREEMENTS REFERRED TO HEREIN AND THAT YOU HAVE THE AUTHORITY TO BIND THE ENTITY LICENSING THE SOFTWARE. IF CUSTOMER DOES NOT AGREE TO ALL OF THE TERMS OF THE REFERENCED LICENSE AGREEMENTS, DO NOT INSTALL THE SOFTWARE. CUSTOMER HAS NOT BECOME A LICENSEE OF, AND IS NOT AUTHORIZED TO USE THE SOFTWARE UNLESS AND UNTIL IT HAS AGREED TO BE BOUND BY THE TERMS OF THE LICENSE AGREEMENTS REFERRED TO HEREIN. THE "EFFECTIVE DATE" FOR THIS AGREEMENT SHALL BE THE DAY CUSTOMER INSTALLS THE SOFTWARE. The Software is licensed under the GNU General Public License (GPL), Version 2, except that certain software packaged with the Software (the

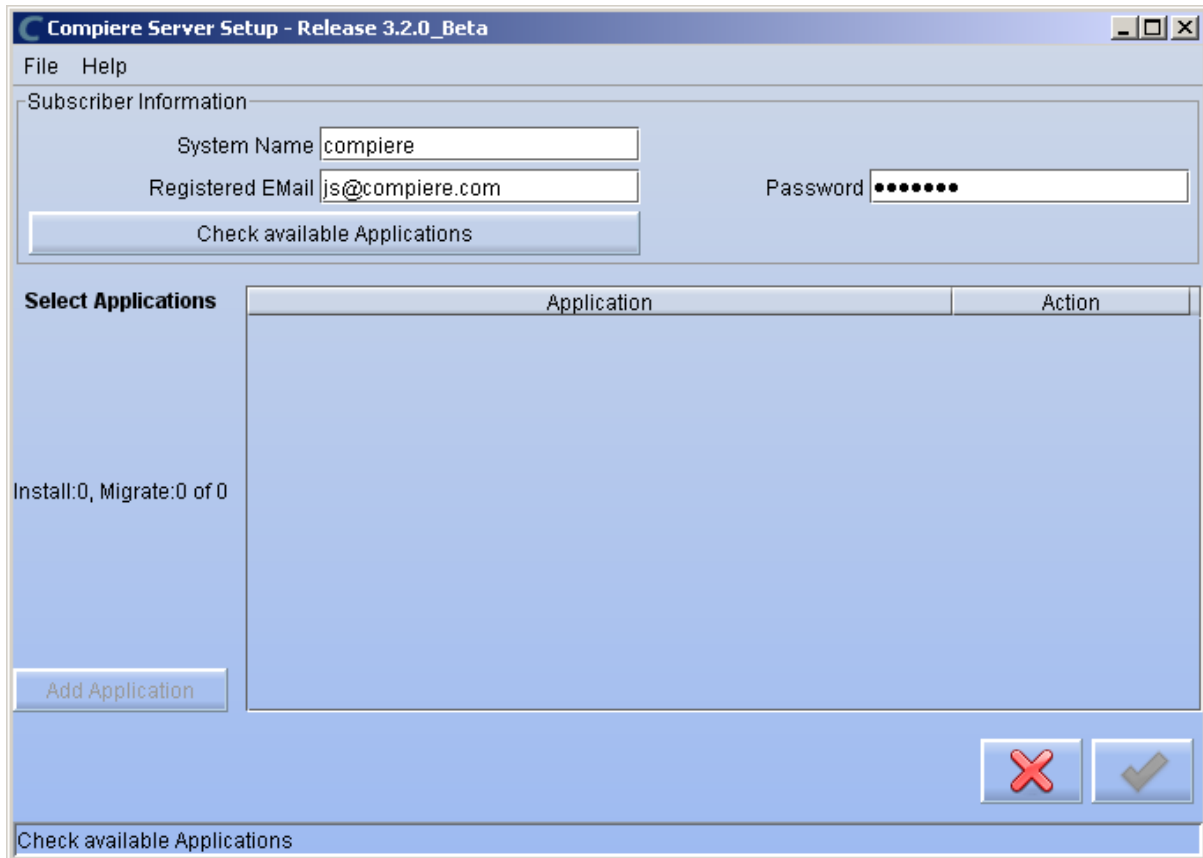
Do you accept the License ? ☒ No ☒ Yes, I Understand and Accept

- 4) The following prompt will display describing your new Security Key. Click 'Ok' to continue.



- 5) 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.



**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.

- 6) 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

The screenshot shows the 'Compiere Server Setup - Release 3.2.0\_Beta' window. It has a menu bar with 'File' and 'Help'. Below is the 'Subscriber Information' section with fields for 'System Name' (filled with 'compiere'), 'Registered EMail' (filled with 'js@compiere.com'), and 'Password' (filled with dots). A 'Check available Applications' button is below these fields. The main area is titled 'Select Applications' and contains a table with two columns: 'Application' and 'Action'. The table lists several applications, each with a 'Reinstall/Migrate' action dropdown. To the left of the table, it says 'Install: 6, Migrate: 6 of 6'. Below the table is an 'Add Application' button. At the bottom right are two buttons: a red 'X' (cancel) and a green checkmark (OK). The status bar at the bottom says 'Select Applications'.

Application	Action
Compiere Standard 3.2.0 (Requires accepting License)	Reinstall/Migrate ▼
Compiere End User Layer 3.2.0 (Requires accepting License)	Reinstall/Migrate ▼
Compiere Manufacturing 3.2.0 (Requires accepting License)	Reinstall/Migrate ▼
Compiere Professional 3.2.0 (Requires accepting License)	Reinstall/Migrate ▼
Compiere Warehouse Management 3.2.0 (Requires accepting License)	Reinstall/Migrate ▼
Extended Units of Measure 1.0	Reinstall/Migrate ▼

- 7) 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

The screenshot shows the 'Compiere Standard 3.2.0 - License Agreement' window. It has a title bar with the window name and a close button. The main content area has the title 'COMPIERE PUBLIC LICENSE' and 'Version 1.5'. Below this is a paragraph of text explaining the license's applicability. Then, there is a section titled 'Preamble' followed by a detailed paragraph of legal text. At the bottom, there is a question 'Do you accept the License ?' with two buttons: a red 'X' labeled 'No' and a green checkmark labeled 'Yes, I Understand and Accept'.

**COMPIERE PUBLIC LICENSE**

**Version 1.5**

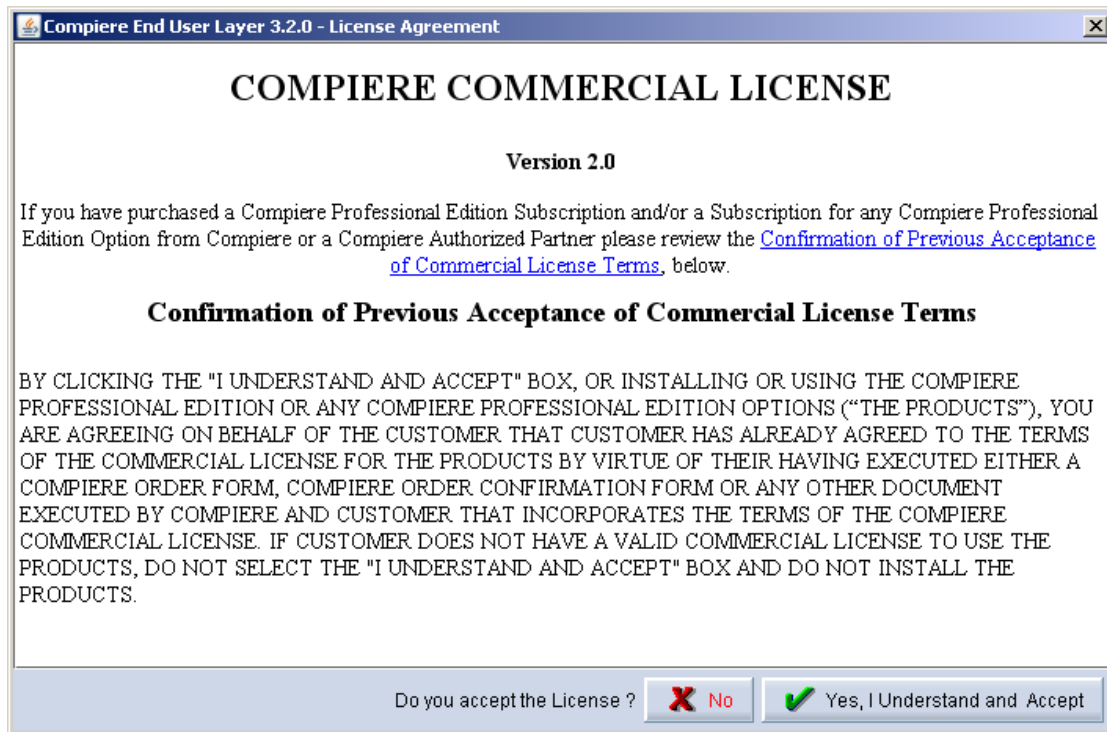
This Compiere Public License does not apply if you are subscribing to the Compiere Professional Edition or any of the Compiere Professional Edition options or if you are using an Evaluation version of the Compiere Professional Edition. If you are using an Evaluation version of the Professional Edition and you elect not to purchase the Compiere Professional Edition at the conclusion of the evaluation period then your use of the Software will be governed by the Compiere Public License after the evaluation period ends.

**Preamble**

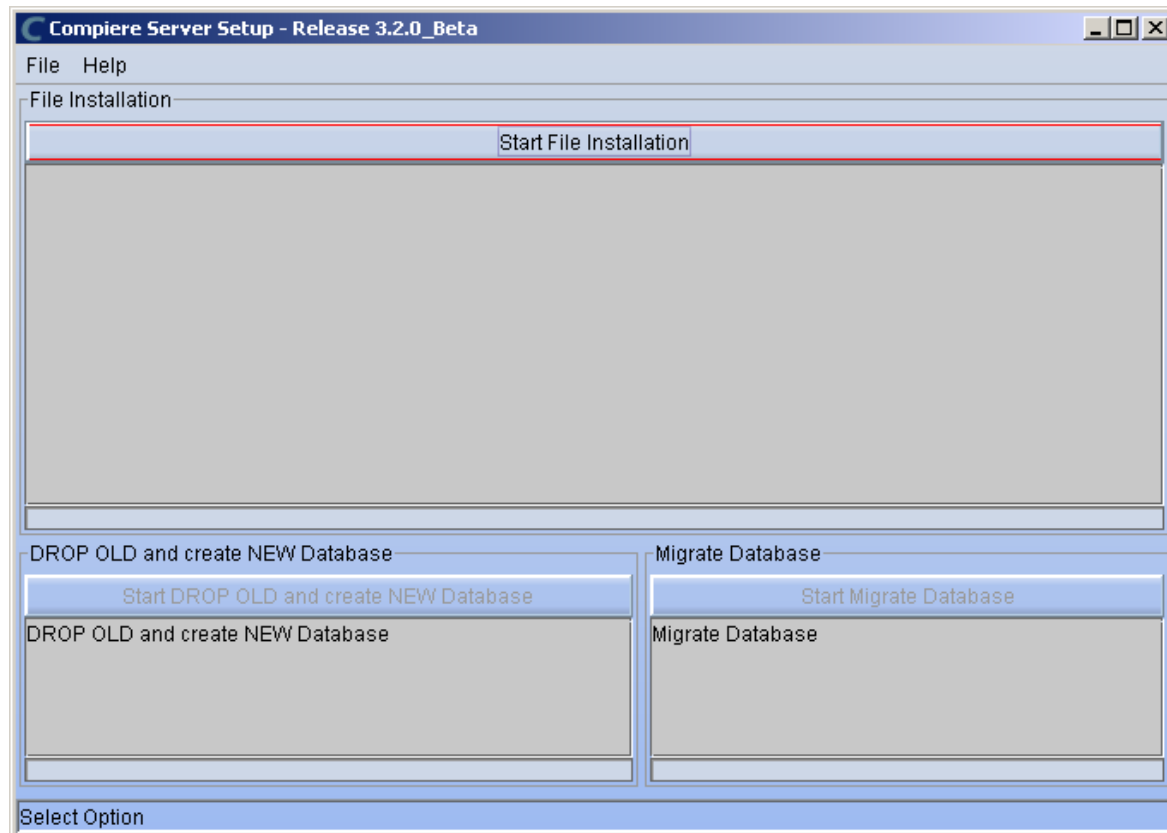
BY INSTALLING OR USING THE SOFTWARE PROVIDED TO YOU BY COMPIERE, INC. ("SOFTWARE"), YOU ARE AGREEING ON BEHALF OF YOURSELF OR THE ENTITY LICENSING THE SOFTWARE ("CUSTOMER") THAT CUSTOMER WILL BE BOUND BY AND IS BECOMING A PARTY TO THE LICENSE AGREEMENTS REFERRED TO HEREIN AND THAT YOU HAVE THE AUTHORITY TO BIND THE ENTITY LICENSING THE SOFTWARE. IF CUSTOMER DOES NOT AGREE TO ALL OF THE TERMS OF THE REFERENCED LICENSE AGREEMENTS, DO NOT INSTALL THE SOFTWARE. CUSTOMER HAS NOT BECOME A LICENSEE OF, AND IS NOT AUTHORIZED TO USE THE SOFTWARE UNLESS AND UNTIL IT HAS AGREED TO BE BOUND BY THE TERMS OF THE LICENSE AGREEMENTS REFERRED TO HEREIN. THE "EFFECTIVE DATE" FOR THIS AGREEMENT SHALL BE THE DAY CUSTOMER INSTALLS THE SOFTWARE. The Software is licensed under the GNU General Public License (GPL), Version 2, except that certain software packaged with the Software (the "Auxiliary Software") is subject to the terms of Compiere's Auxiliary Software License, which can be located at the following URL: <http://www.compiere.com/terms/auxiliary-software-license.pdf>, the terms of which are hereby incorporated by reference. Furthermore, Compiere notifies Customer that certain other software including programs licensed from third parties have been included in the Software ("Third Party Software"). Customer's use of the Third Party Software is subject to the terms and conditions imposed by the licensors of such Third Party Software, which may differ from the GPL and the Auxiliary Software License. Customer must review the relevant licenses for

Do you accept the License ?

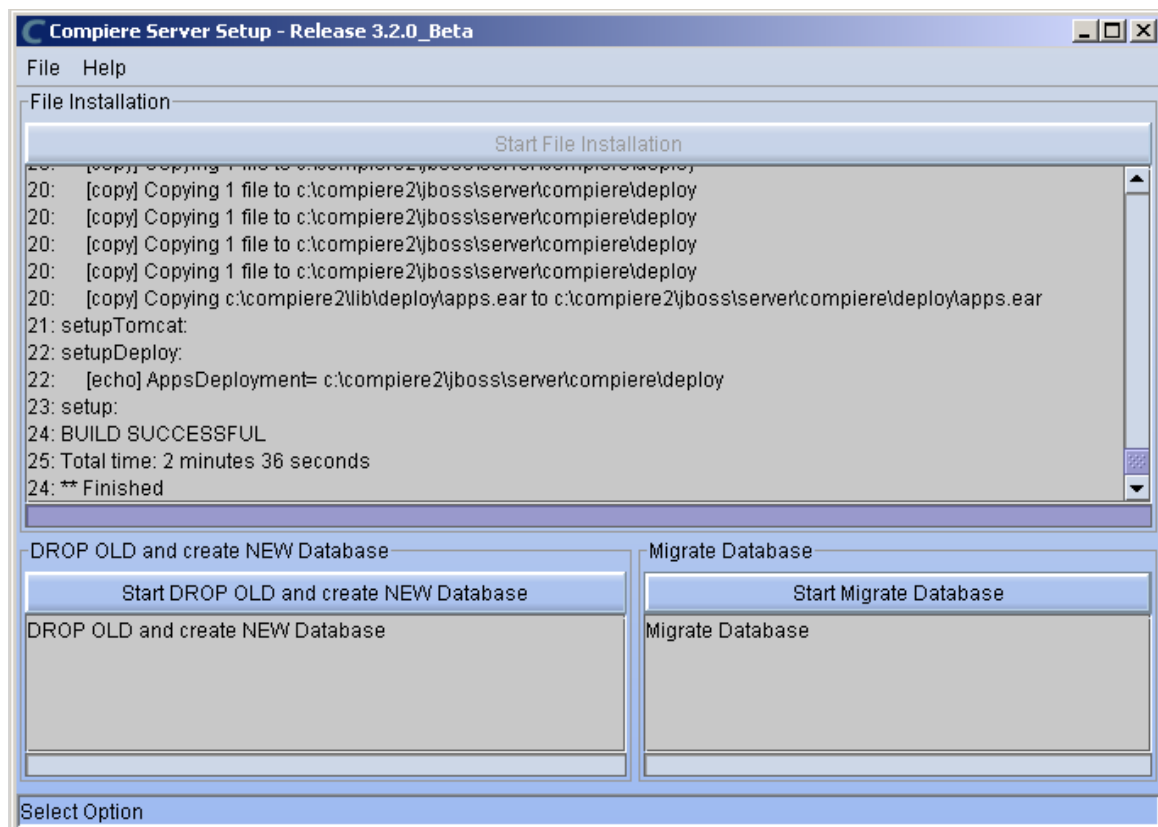
- 8) If you are installing Compiere Professional, you will receive a Commercial license agreement. Please read and accept the license agreement, in order to continue.  
**Hint:** You might get more than one license agreement, depending on the applications that you are installing.



- 9) Click on Start File Installation



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



- 11) 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

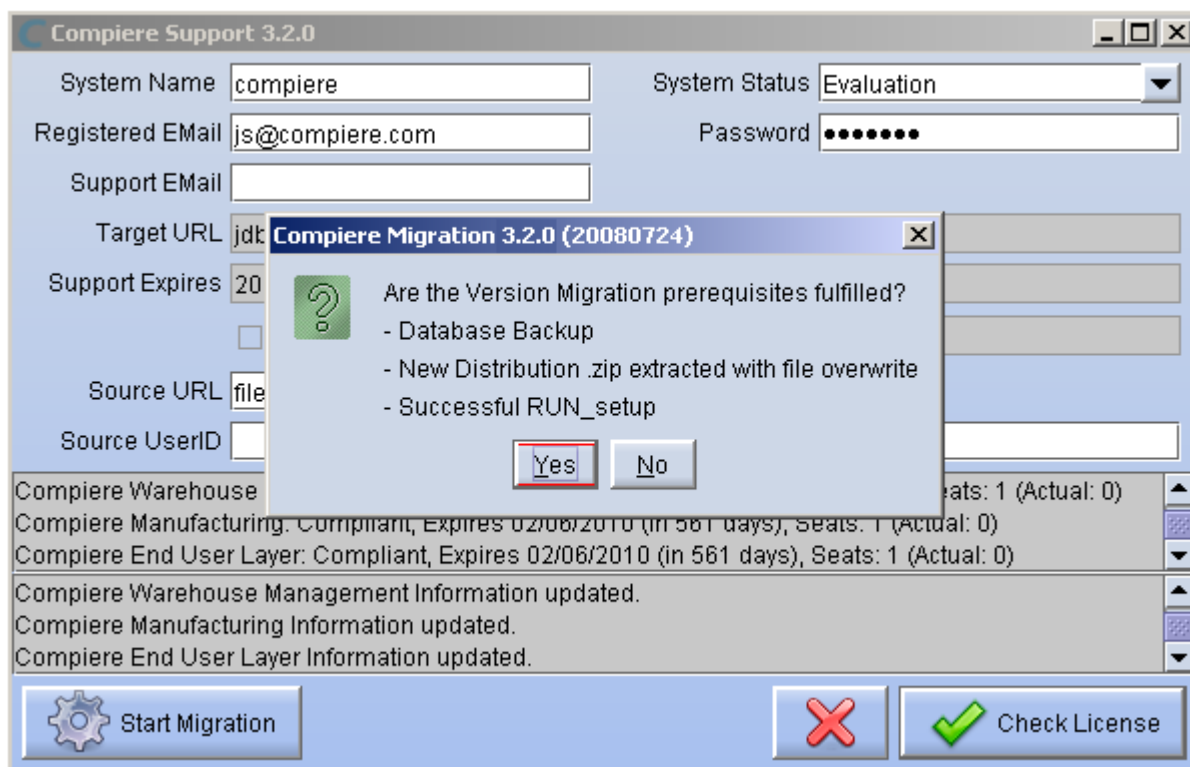
The screenshot shows the 'Compiere Support 3.2.0' window. The 'System Name' is 'compiere', 'Registered EMail' is 'js@compiere.com', and 'System Status' is 'Evaluation'. The 'Password' field is masked with dots. The 'Support EMail' field is empty. The 'Target URL' is 'jdbc:oracle:thin:@//lap-js-new:15'. The 'Support Expires' date is '2010-02-06 00:00:00.0'. The 'Support Units' is '0'. The 'Supported Users' and 'Support Level' fields are empty. The 'Existing Support Contract' checkbox is checked. The 'Source URL' is 'file:/c:/compiere2/data/compiere'. The 'Source UserID' and 'Source Password' fields are empty. The status bar shows 'Compiere Standard: Licensed (pdf licensed), Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0), Status: U' and 'Compiere Professional: Not Licensed'. The 'Check License' button is highlighted with a green checkmark icon.

**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.

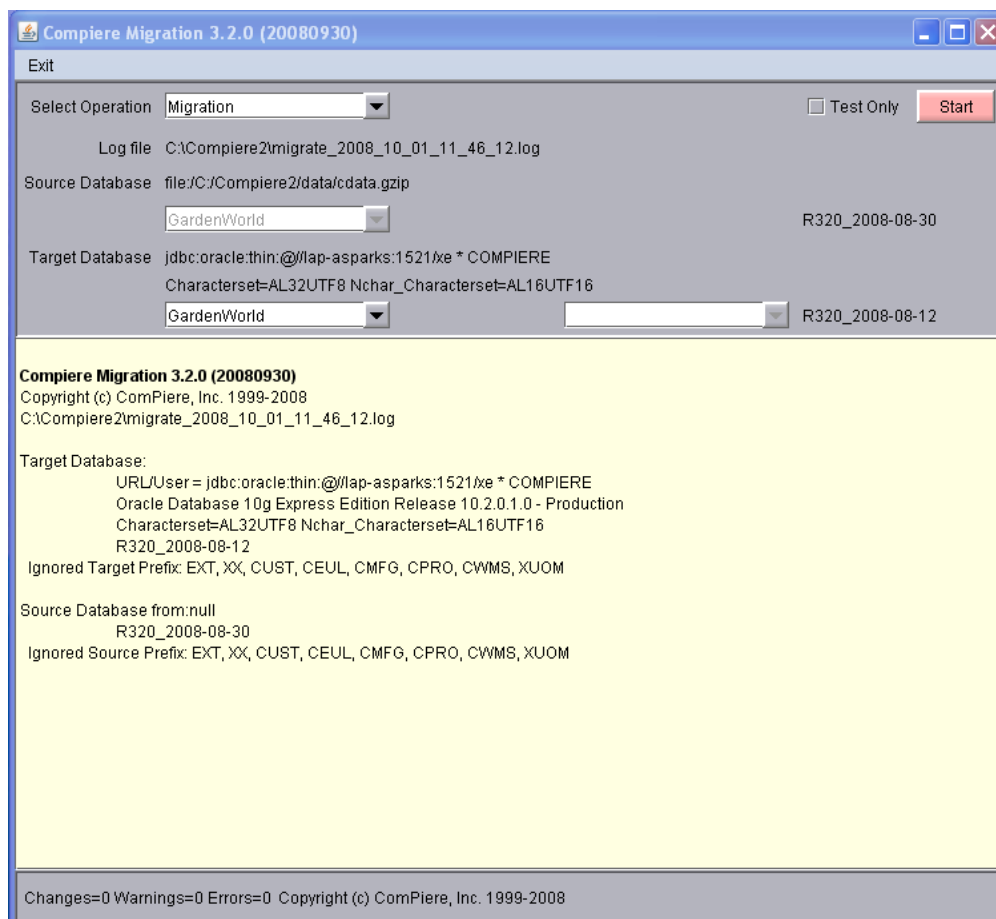
- 12) Click on “Start Migration”.

The screenshot shows the 'Compiere Support 3.2.0' window. The 'System Name' is 'compiere', 'Registered EMail' is 'js@compiere.com', and 'System Status' is 'Evaluation'. The 'Password' field is masked with dots. The 'Support EMail' field is empty. The 'Target URL' is 'jdbc:oracle:thin:@//lap-js-new:15'. The 'Support Expires' date is '2010-02-06 00:00:00.0'. The 'Support Units' is '0'. The 'Supported Users' and 'Support Level' fields are empty. The 'Existing Support Contract' checkbox is checked. The 'Source URL' is 'file:/c:/compiere2/data/compiere'. The 'Source UserID' and 'Source Password' fields are empty. The status bar shows 'Compiere Warehouse Management: Compliant, Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0)', 'Compiere Manufacturing: Compliant, Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0)', and 'Compiere End User Layer: Compliant, Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0)'. Below this, it says 'Compiere Warehouse Management Information updated.', 'Compiere Manufacturing Information updated.', and 'Compiere End User Layer Information updated.'. The 'Start Migration' button is highlighted with a gear icon.

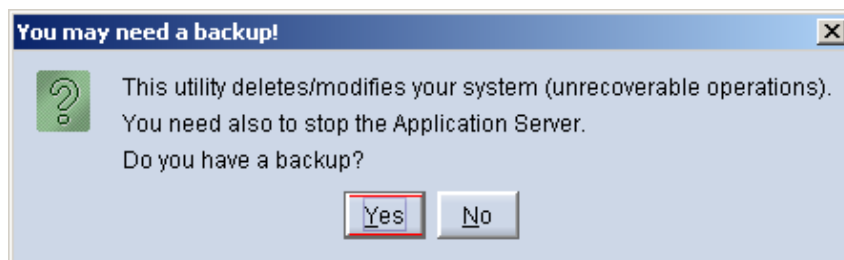
13) At the Compiere Version Migration Prompt, click “Yes” to proceed with the Migration.



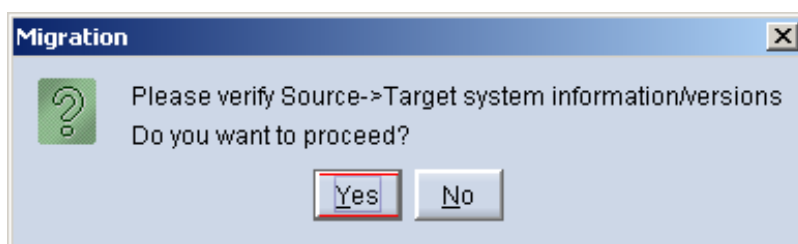
14) Unselect the “Test Only” option, and click Start.



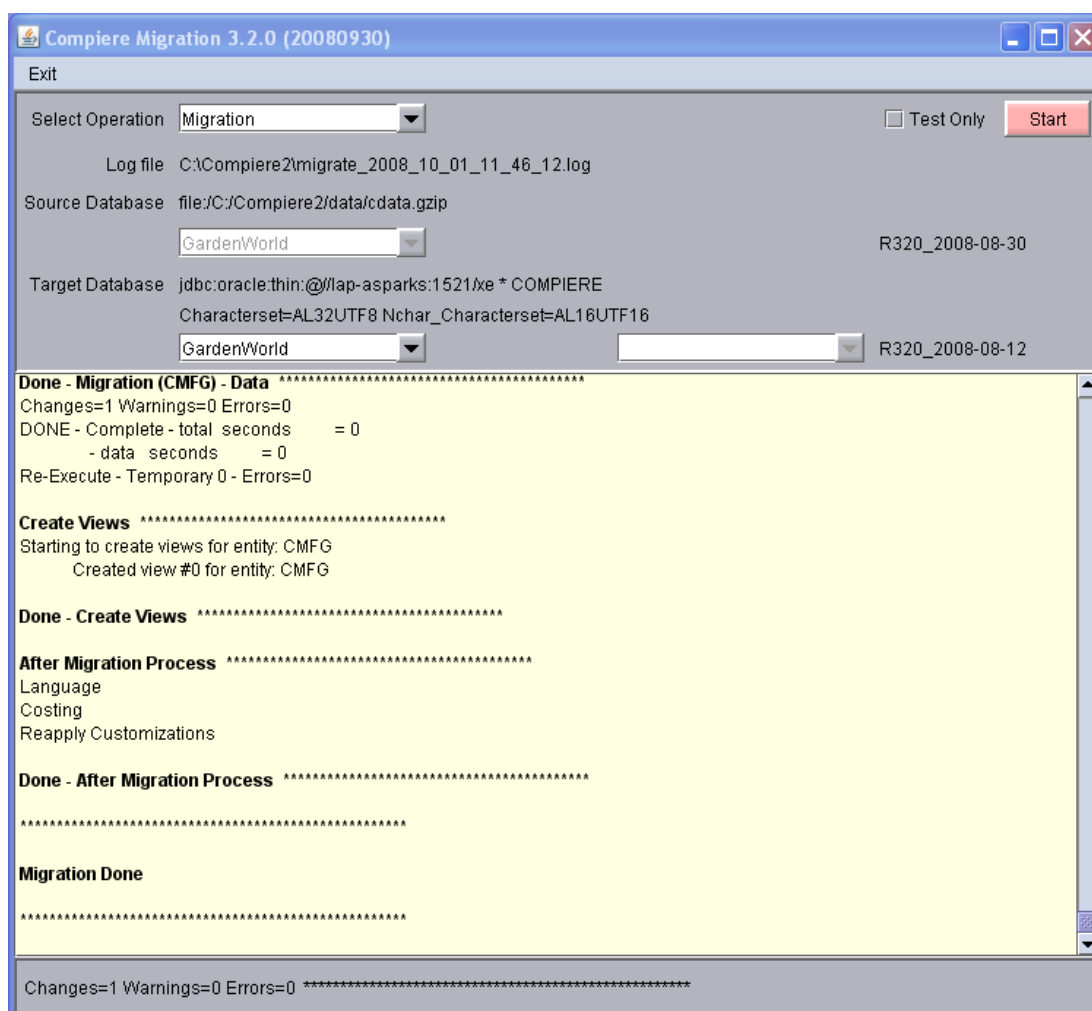
- 15) Confirm that you have a current back up of your database



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



- 17) 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.



18) Verify the following log files for errors:

- migrate\_2009\_mm\_dd\_hh\_mi\_ss.log: complete log
- migrate\_2009\_mm\_dd\_hh\_mi\_ss.err.log: subset of log with just errors
- 2009-mm-dd\_#.log: possible additional errors not printed to the migration log. (search for the file with the text "Compiere Migration 3.3")

19) 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 3.2.0

System Name: compiere System Status: Evaluation

Registered EMail: js@compiere.com Password: .....

Support EMail:

Target URL: jdbc:oracle:thin:@lap-js-new:15 Support Units: 0

Support Expires: 2010-02-06 00:00:00.0 Supported Users:

☒ Existing Support Contract Support Level:

Source URL: file:/c:/compiere2/data/compiere Source UserID: Source Password:

Compiere Standard: Licensed (pdf licensed), Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0), Status: U

Compiere Professional: Not Licensed

Check entries and press OK to submit.

Start Migration X Check License

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

Compiere Support 3.2.0

System Name: compiere System Status: Evaluation

Registered EMail: js@compiere.com Password: .....

Support EMail:

Target URL: jdbc:oracle:thin:@lap-js-new:15 Support Units: 0

Support Expires: 2010-02-06 00:00:00.0 Supported Users:

☒ Existing Support Contract Support Level:

Source URL: file:/c:/compiere2/data/compiere Source UserID: Source Password:

Compiere Warehouse Management: Compliant, Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0)

Compiere Manufacturing: Compliant, Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0)

Compiere End User Layer: Compliant, Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0)

Compiere Warehouse Management Information updated.

Compiere Manufacturing Information updated.

Compiere End User Layer Information updated.

Start Migration X Check License

21) 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.

22) Start the Apps Server using the script `utils/RUN_Server2`

23) To start Compiere in the Web UI after migration, it is required that all Web UI users clear their browser cache first.

---

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

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## • 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 3.3 – Installation Instructions**

---

## Compiere 3.3 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.  
**Important:** 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.  
**Tip:** 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>.

The JDBC driver for EnterpriseDB has been updated to the version that ships with Postgres Plus Advanced Server 8.3.

### • Java Installation

1. Download and install [Sun Java JDK 6](#) (SDK), update 5 or higher.  
**Important:** The Compiere Server requires the JDK (not just JRE).
2. For installation instructions see the JDK section on this page: <http://java.sun.com/javase/6/webnotes/install/index.html>

### • Download Compiere

3. 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 JDK 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 Compire database user password, (e.g. 'compire')
- 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 'Compire Server Setup - Release 3.2.0\_Beta' window. It has a menu bar with 'File' and 'Help'. The configuration fields are as follows:

- Java Home:** C:\Program Files\Java\jdk1.6.0 (with a folder icon)
- Java VM:** sun
- Compire Home:** c:\compire2 (with a folder icon)
- KeyStore Password:** (masked with dots)
- Application Server:** lap-js-new
- Server Type:** jboss
- Deployment:** c:\compire2\jboss\server\com (with a folder icon)
- JNP Port:** 1099
- Web Port:** 80
- SSL:** 443
- Database Server:** lap-js-new
- Database Type:** oracleXE
- Database Name:** xe
- Database Search:** xe
- Database Port:** 1521
- System Password:** (masked with dots)
- Database User:** compire
- Database Password:** (masked with dots)
- Mail Server:** lap-js-new
- Admin Email:** info@lap-js-new
- Mail User:** info
- Mail Password:** (masked with dots)

At the bottom, there are three buttons: 'Test' (with a wrench icon), a help button (with a question mark icon), and 'Save' (with a floppy disk icon). The 'Test' button is highlighted with a red box.

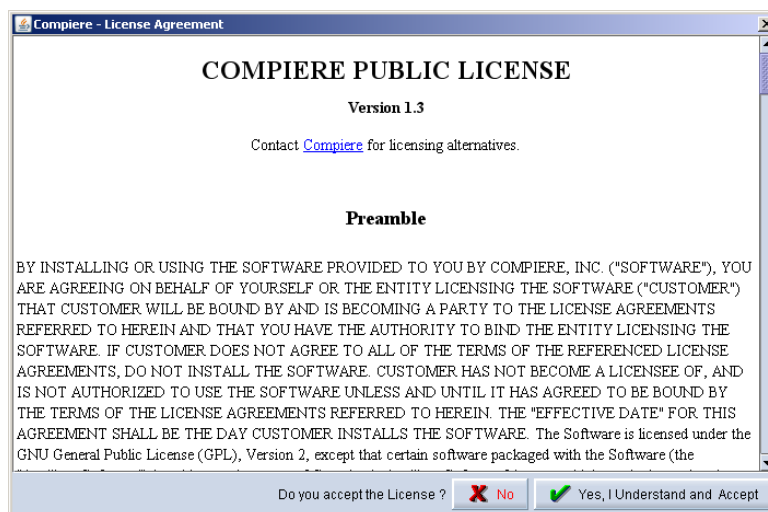
- 10) Enter or update any other parameters as necessary.
- 11) Select the Help button, for information on any field.
- 12) Select the Test button to check the parameters.  
**Tip:** The parameters will only save after they have been verified.
- 13) If an entry is unverifiable, it will display with a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

This screenshot shows the same 'Compire Server Setup' window after the 'Test' button was clicked. Green checkmarks are now visible next to the following fields:

- Java Home
- Compire Home
- KeyStore Password
- Application Server
- Deployment
- Web Port
- Database Server
- Database Type
- Database Search
- System Password
- Database Password
- Mail Server
- Mail Password

The 'Test' button still has a red box around it, and the 'Save' button is visible at the bottom right. The 'Help' button is also present. The status bar at the bottom shows 'Ok'.

- 15) The Compiere Public License Opens. Click “Yes, I understand and Accept” to continue.



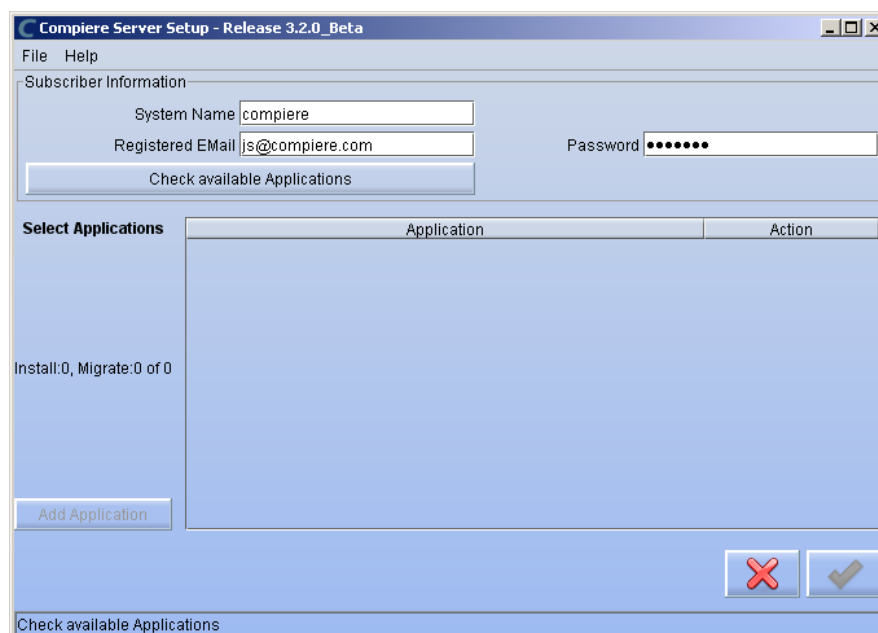
- 16) The following prompt will display describing your new Security Key. Click 'Ok' to continue.



- 17) 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.

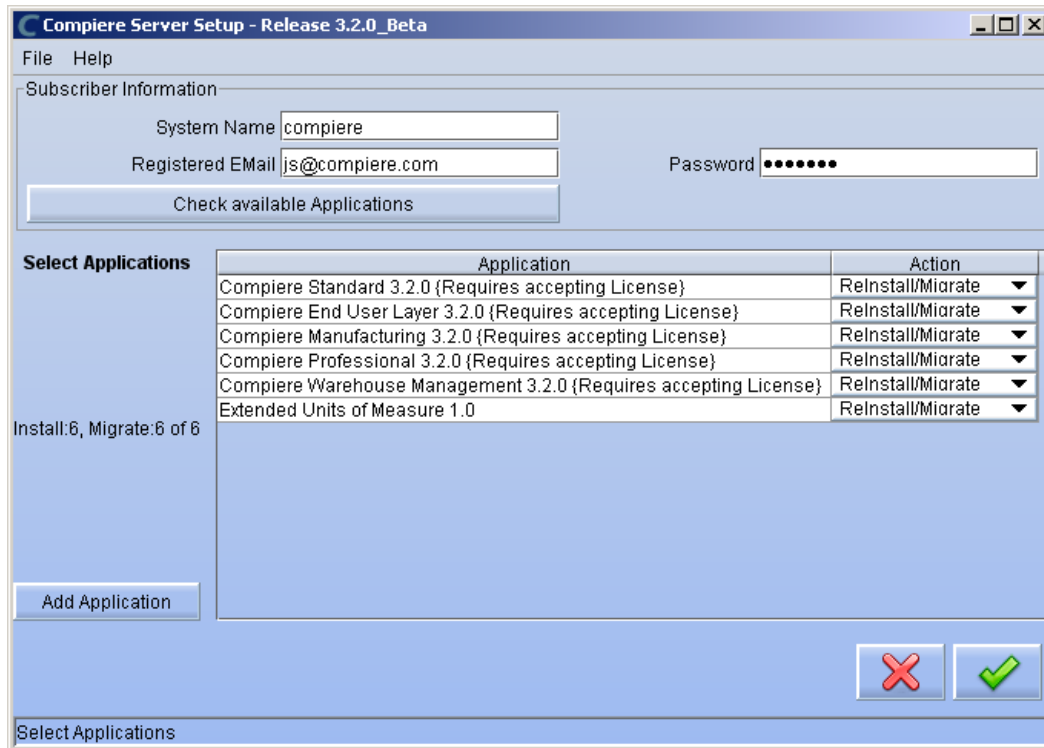
**Tip:** Community Edition users may leave the fields blank and click “Check available components” to install the Community Edition.



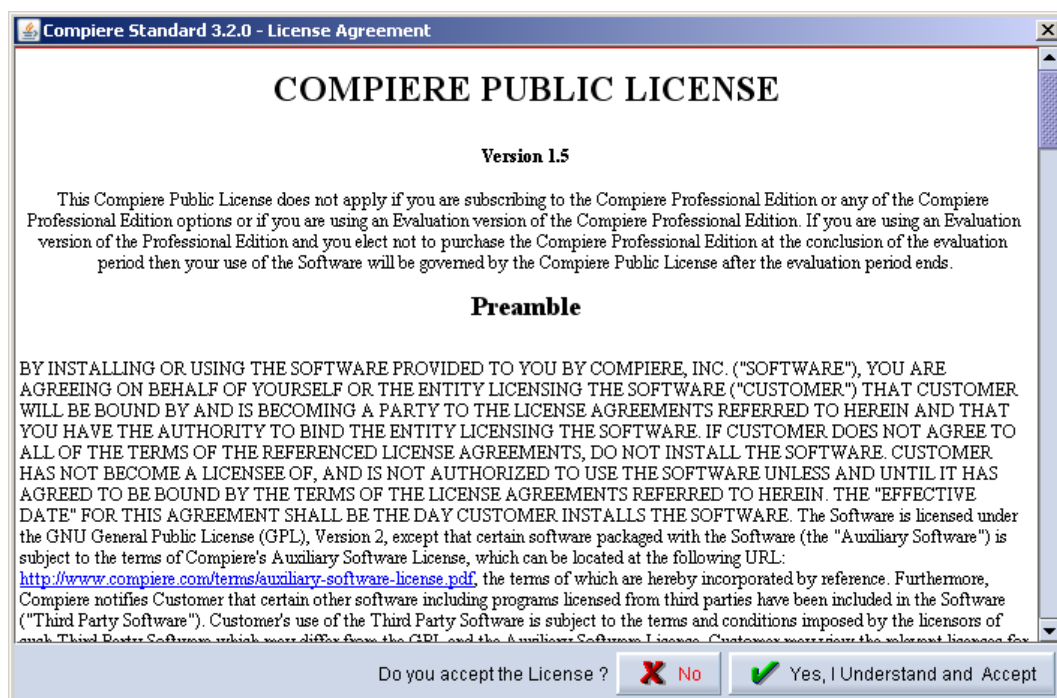
- 18) Select the applications that you would like to install. You can include additional applications by using the button Add Application.

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.

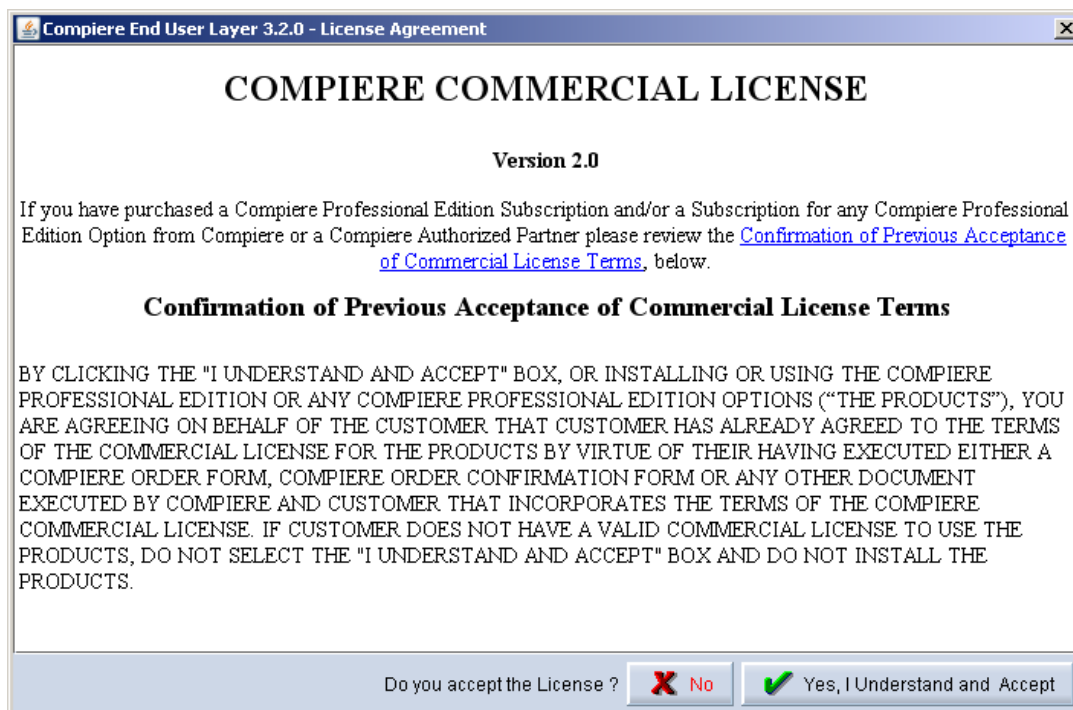
Select the OK button to continue



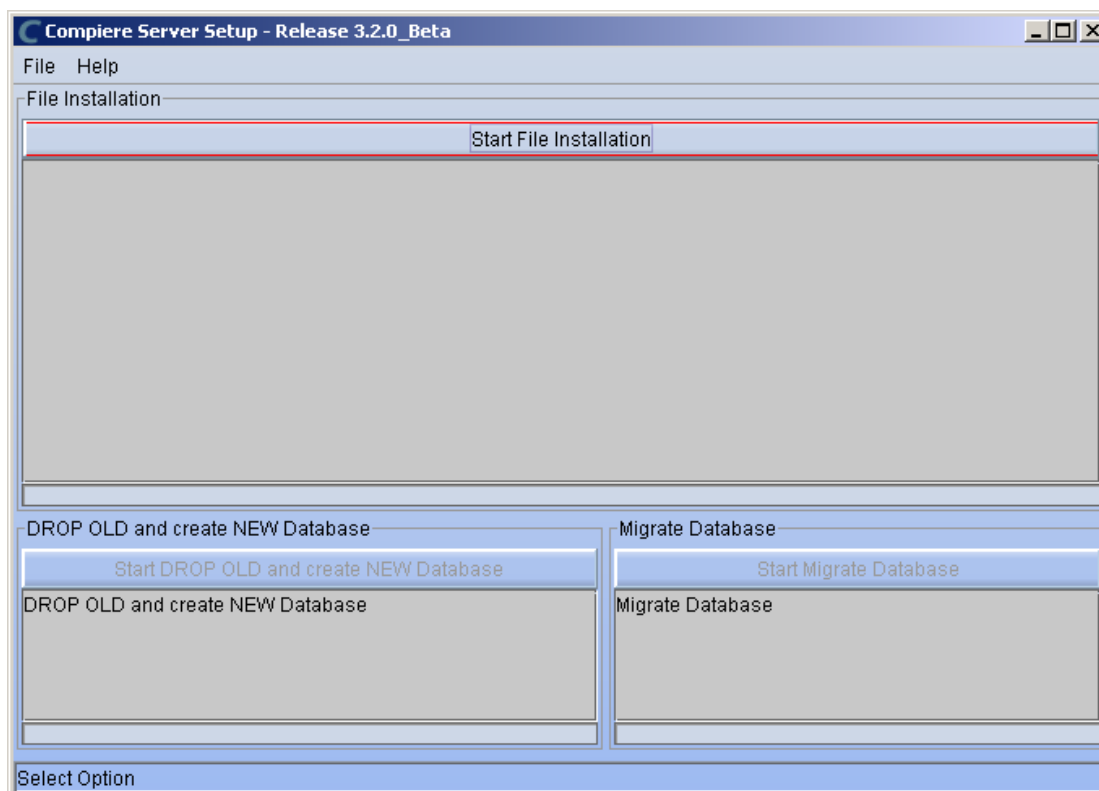
- 19) Next, read and accept the Compiere Public License agreement.  
**Hint:** You might get more than one license agreement, depending on the applications that you are installing.



- 20) 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.



- 21) After accepting the license agreement the following window will display:

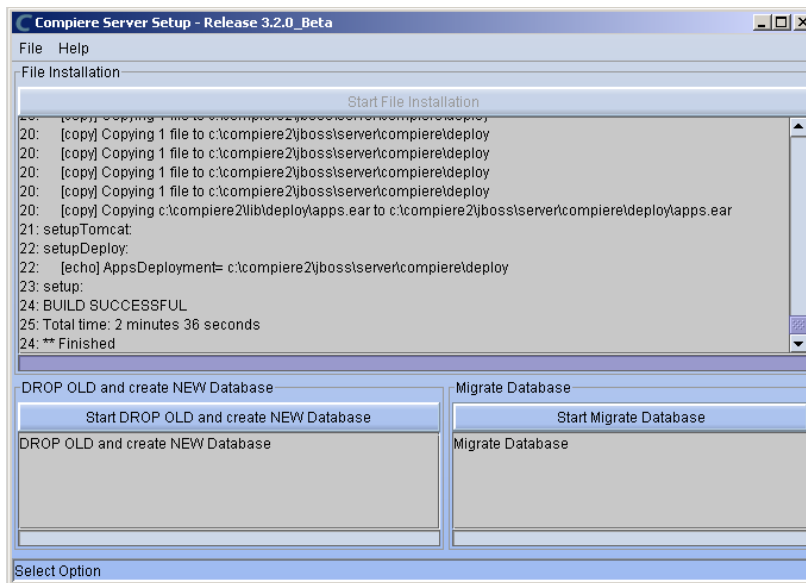


- 22) Select Start File Installation.

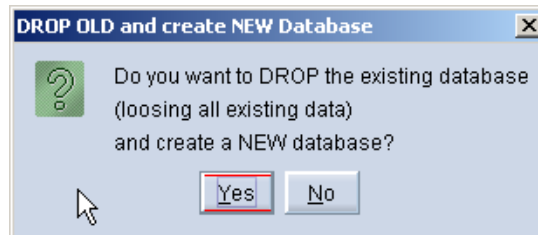
**Important:** At this point, you must be connected to the internet to continue or the installation will not succeed.

- 23) 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.

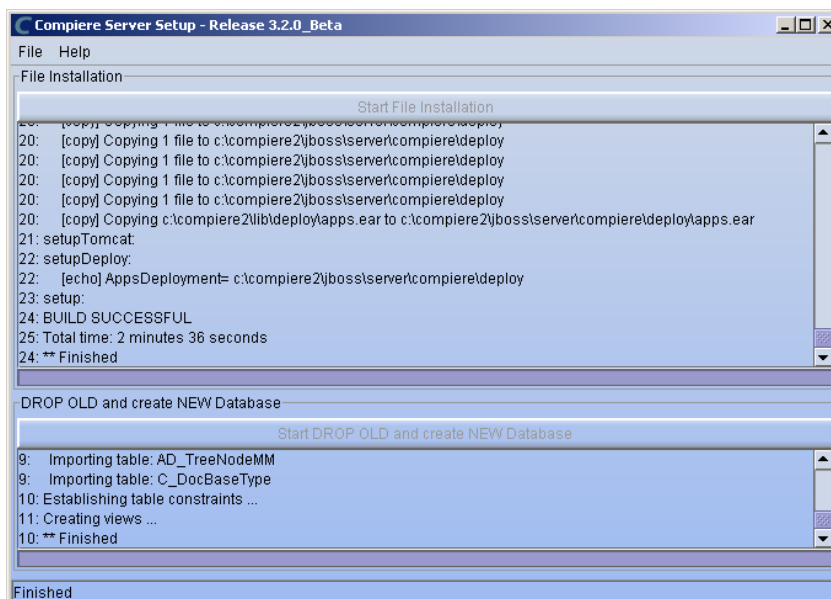


- 24) At the prompt select 'Yes' to Drop the existing Database and create a new database.



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

- 25) 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.





26) The Compiere Support window opens. Complete the necessary fields in order to validate your assets.

**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.

27) 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)

The screenshot shows the 'Compiere Support 3.2.0' window. It contains several input fields and a status section. The fields are: System Name (compiere), System Status (Evaluation), Registered Email (js@compiere.com), Password (masked with dots), Support Email (empty), Target URL (jdbc:oracle:thin:@//lap-js-new:15), Support Units (0), Support Expires (2010-02-06 00:00:00.0), Supported Users (empty), Existing Support Contract (checked), Support Level (empty), Source URL (file:/c:/compiere2/data/compiere), Source UserID (empty), and Source Password (empty). Below these fields is a text area showing license information: 'Compiere Standard: Licensed (pdf licensed), Expires 02/06/2010 (in 494 days), Seats: 1 (Actual: 0), Status: U' and 'Compiere Professional: Not Licensed'. At the bottom, there is a message 'Check entries and press OK to submit.' and three buttons: 'Start Migration' (with a gear icon), a red 'X' button, and 'Check License' (with a green checkmark icon).

28) 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.

- 29) Next, review that your license information has been validated. If you have a trial license for Compiere Professional, but you currently don't have a license with Compiere, you will see that the license for Standard is invalid. This is expected as the trial doesn't include Standard and you may ignore the error.

- 30) 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. When using the Swing client, ensure that your database connection information matches exactly the information in the target URL in `RUN_Support` (including the fully qualified server name)

- 31) Close any additional Setup and /or Support windows.

## • Run Application Server

### 4. 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 - Other web server running (or you need privileges under Linux/Unix)
- 8080 – Used by Oracle Database
- 1099 - Often used by IDEs for debugging, or by internet messengers (Skype, Gtalk, etc.)

## • Start Compiere

### 5. Start the Compiere Client.

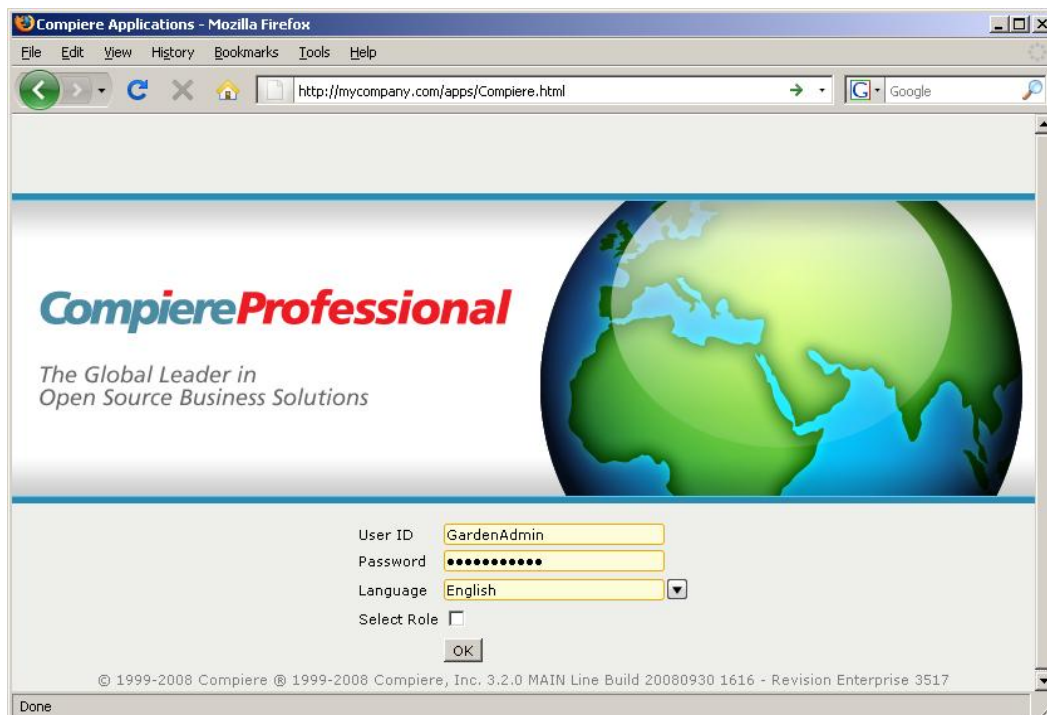
- 1) Start the Swing client by double clicking on the Compiere shortcut in your desktop or by executing **RUN\_Compiere2** from the \$COMPIERE\_HOME directory.

Default users and passwords for the sample Garden World application:

- |                           |                    |
|---------------------------|--------------------|
| - GardenUser/GardenUser   | - System/System    |
| - GardenAdmin/GardenAdmin | - 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>.

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## **Appendix C**

### **Compiere 3.3 – Application Extensions**

## Compiere 3.3 Application Extensions - Compiere Partners

This section is for Application Extensions in Compiere available as functionality in 3.3 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.

### • 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-xe#compierecore}]'. The menu bar includes File, Edit, View, Go, Tools, and Help. The toolbar contains various icons for navigation and actions. On the left, there is a sidebar with buttons for 'Entity Type', 'Version', 'Modification', and 'Migration Step'. The main form area contains the following fields and controls:

- Tenant:** System
- Organization:** (dropdown menu)
- 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 text field)
- ModelPackage:** (empty text field)
- Model Validation Classes:** (empty text field)
- License Text:** (empty text field)
- Documentation Text:** (empty text field)
- Register Application:** (button)

The status bar at the bottom shows 'Inserted' and '+\*7/9'.

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

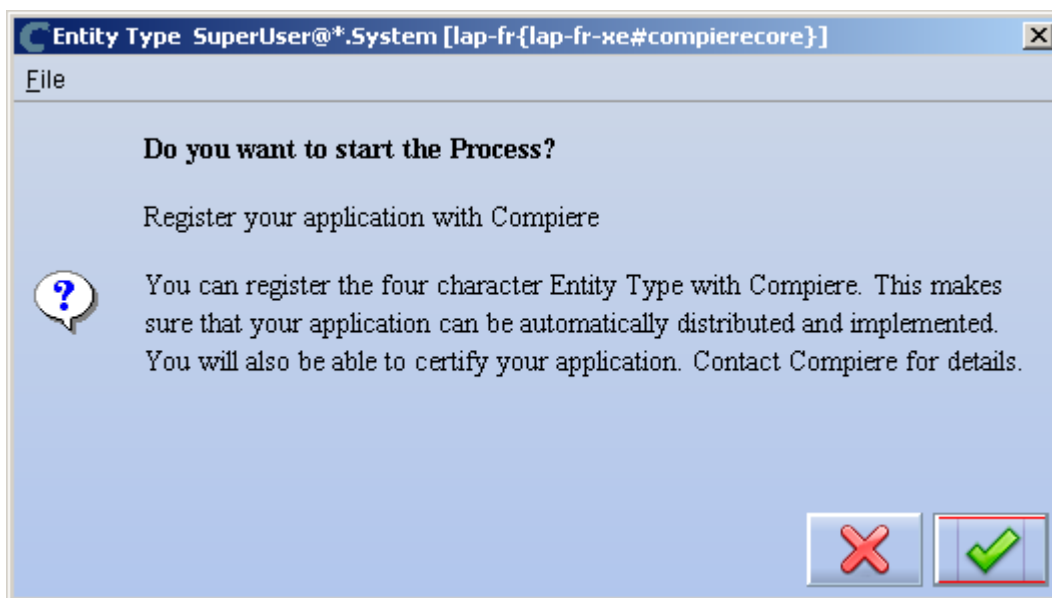
**Important:** Complete all the mandatory fields. For entity type, notice that names beginning with “C” and “X” are reserved for Compiere and you must use four characters.

Comments about optional fields:

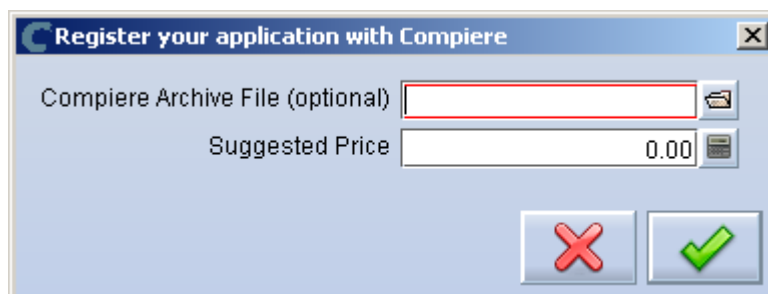
- Version: The version of your extension. Usually 1.0 for the first version.
  - Prerequisite version: The Compiere Core version that is required for this extension, e.g. 3.3.0. You need to use the exact text as defined for the entity type D.
  - Prerequisite applications: The entity type of the applications 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. Please log a support request in our case management system requesting the approval of your component.

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

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

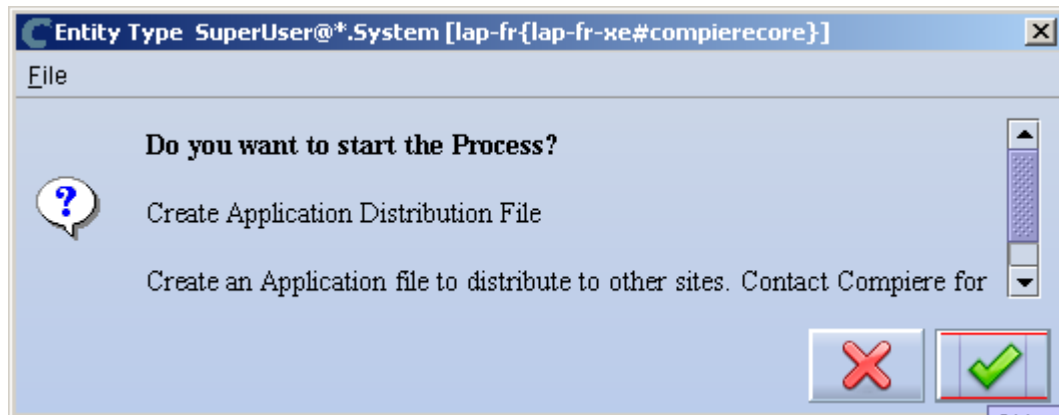
- 1) Make all the application dictionary changes using the entity type that you registered in the previous step.
- 2) Generate jar files for the custom code required by your extension.
- 3) After having your new Entity Type approved by Compiere; login to Compiere with the System Administrator role and 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 left sidebar has buttons for 'Entity Type', 'Version', 'Modification', and 'Migration Step'. The main area contains the following fields and options:

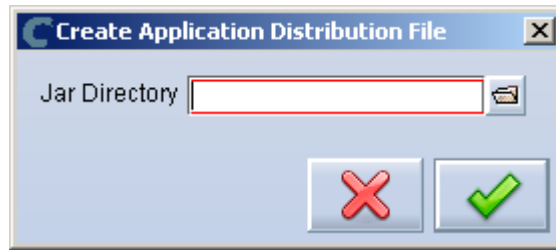
- Tenant: System
- Organization: \*
- Entity Type: LFR1 (with a checked 'Registered' box)
- Name: Test fr1
- Description: Test application extensions
- Comment: Full description of the application extension
- ☒ Active
- Version: 1.0
- Prerequisite Version: 3.0.3
- Prerequisite Applications: CPRO
- Classpath: lfr1\_code.jar
- ModelPackage: (empty)
- Model Validation Classes: (empty)
- License Text: (empty)
- Documentation Text: (empty)

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

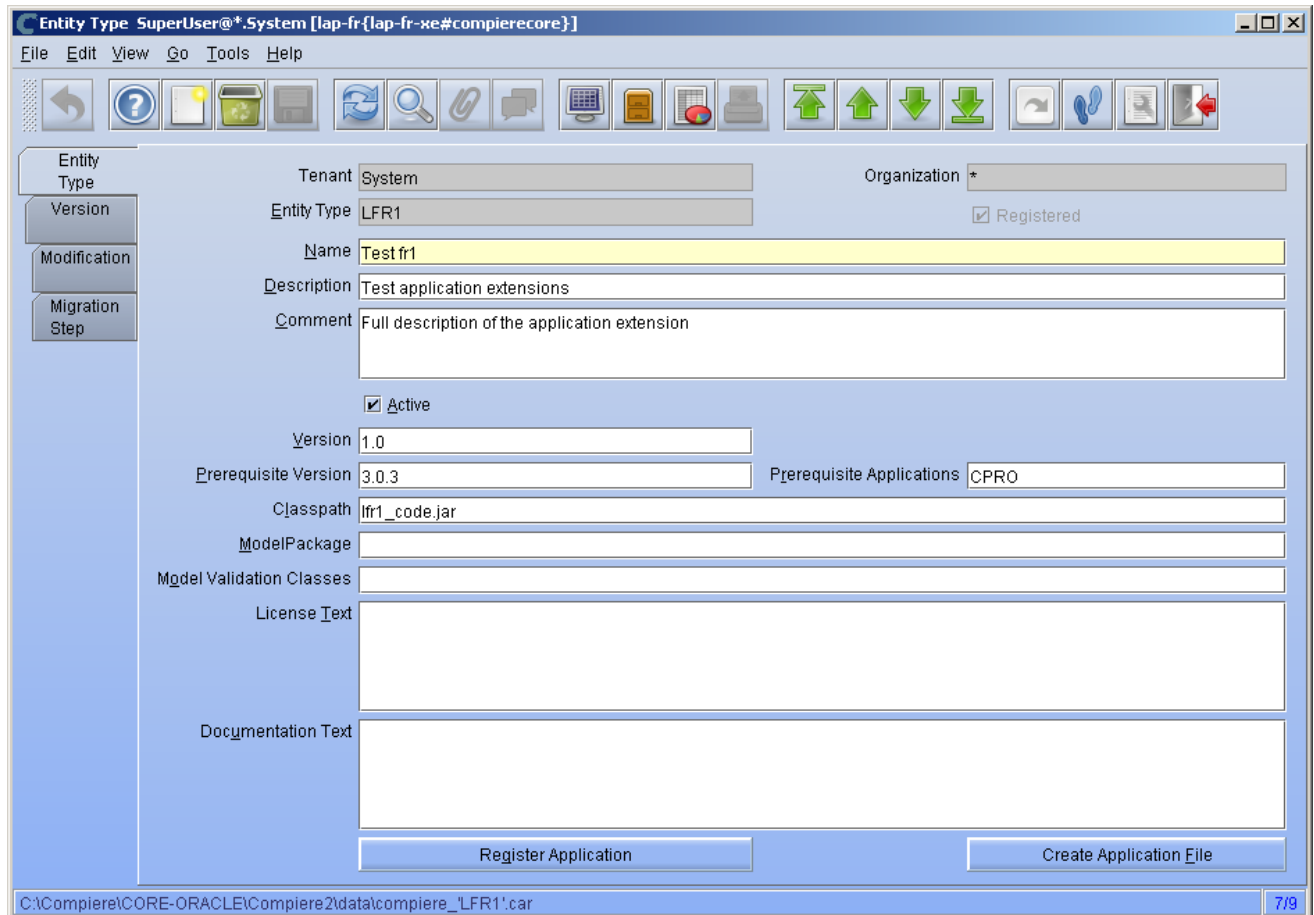
- 4) Click 'Ok' to start process.



- 5) Provide the directory for the jar file listed in the field classpath.



- 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 from 3.0 and 3.1 is now compiere\_CPRO.car in 3.3, i.e. without quotes in the file name). 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 3.2. If a customer has created any additional .car files prior to 3.2, it is necessary to follow the same procedure for those .car files as well.



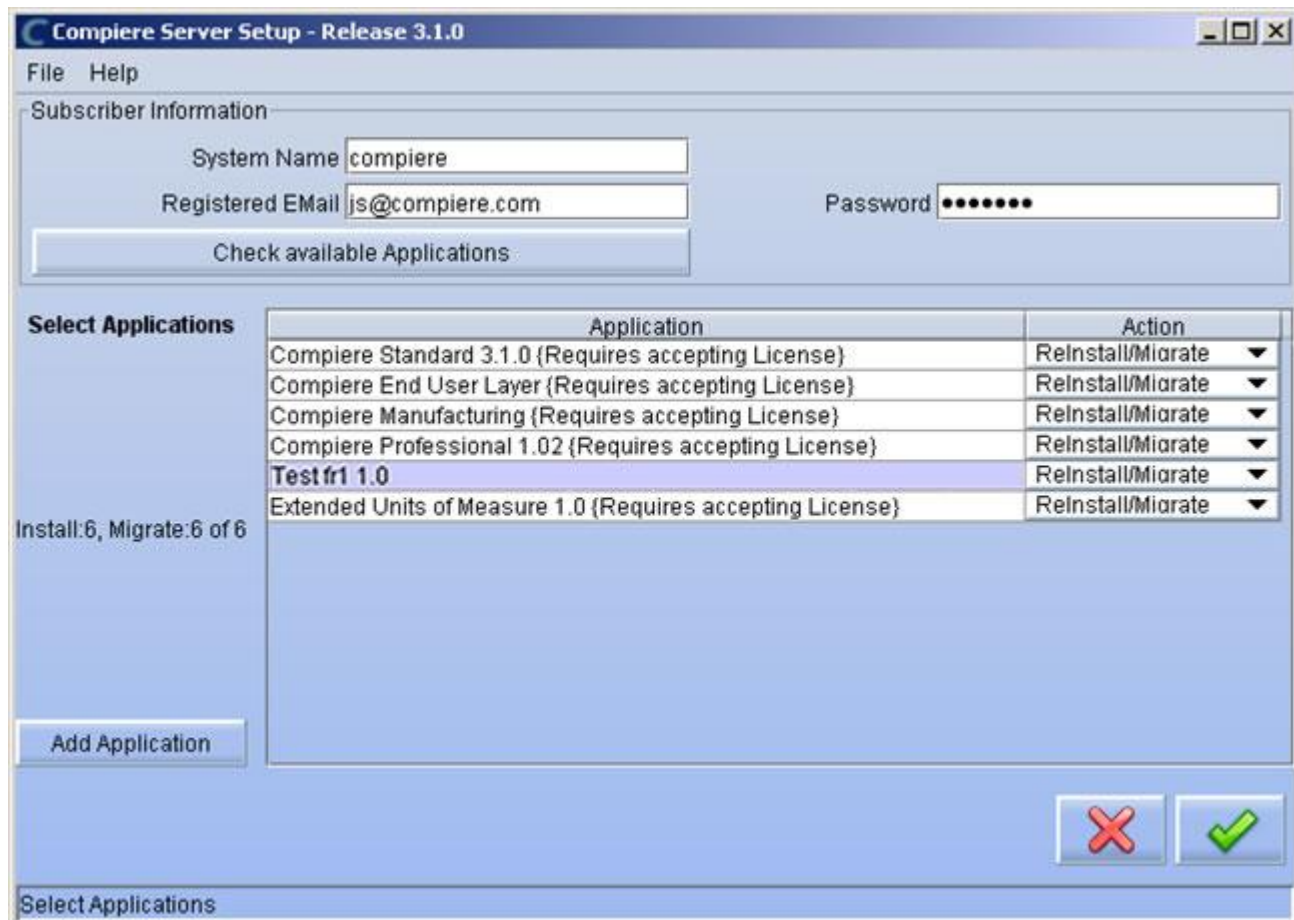
## • Installation – Application Consumer (Customer)

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 3.3.



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

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## **Appendix D**

### **Compiere 3.3 – Command Line Scripts**

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## Command Line Scripts

Scripts are provided in the \$COMPIERE\_HOME/utills/CommandLine directory for experienced Compiere users who would like to perform Compiere instance creation and maintenance via command line or using automated scripts

### CLInstall

Purpose: To create a new Compiere installation. When this script is run a new Compiere instance is created on the database specified via configuration file. Please note that existing Compiere database instance is dropped and a fresh new Compiere instance is created when this script is run.

The script validates the components that can be installed against Compiere License server and hence need to be connected to internet while running and have the appropriate license to allow you to install the components. The script also updates the License information after the instance is created.

All the component .car files present in \$COMPIERE\_HOME/data will be installed

1) Environment Variables \$COMPIERE\_HOME, \$JAVA\_HOME need to be set.

2) The configuration parameters to CLInstall are provided via a configuration file. A template CLConfigurationTemplate is provided in the same directory, which you can make a copy and edit the configuration parameters for your specific installation. All the parameters have one to one correspondence with the parameters on the first window that comes up when running RUN\_setup

Subscriber information for License validation: CL\_SYSTEM\_NAME, CL\_WEBSTORE\_EMAIL, CL\_WEBSTORE\_PASS

Homes: CL\_COMPIERE\_HOME, CL\_JAVA\_HOME, CL\_JAVA\_TYPE

Database: CL\_COMPIERE\_DB\_TYPE, CL\_COMPIERE\_DB\_SERVER, CL\_COMPIERE\_DB\_PORT,  
CL\_COMPIERE\_DB\_NAME, CL\_COMPIERE\_DB\_SYSTEM, CL\_COMPIERE\_DB\_USER,  
CL\_COMPIERE\_DB\_PASSWORD

Apps Server: CL\_COMPIERE\_APPS\_TYPE, CL\_COMPIERE\_APPS\_SERVER, CL\_APPS\_SERVER\_DEPLOY\_DIR,  
CL\_COMPIERE\_JNP\_PORT, CL\_COMPIERE\_WEB\_PORT

SSL Settings: CL\_COMPIERE\_SSL\_PORT, CL\_COMPIERE\_KEYSTOREPASS

Mail: CL\_MAIL\_SERVER, CL\_ADMIN\_EMAIL, CL\_MAIL\_USER, CL\_MAIL\_PASSWORD

3) Running:

CLInstall takes in the configuration file as a parameter.

Sample Usage: >CLInstall.bat CLConf.bat

Errors while running the script are displayed onto the console window and are also written to log files within the same directory.

### CLMigrate

This is very similar to CLInstall.bat except that it performs the migration of a Compiere instance instead of dropping and recreating a new instance.

### CLUpdateLicense

This script can be run to Update the License information. The script can be only run in a successful Compiere installation created via RUN\_Setup or installation/migration via command line. The script can be edited to provide different subscriber information for license validation.

---

The following line in CLUpdateLicense.bat

```
"%COMPIERE_JAVA%" %COMPIERE_JAVA_OPTIONS% -cp %CLASSPATH% com.compiere.client.UpdateLicense
```

can be changed as follows to pass in the subscriber information

```
"%COMPIERE_JAVA%" %COMPIERE_JAVA_OPTIONS% -cp %CLASSPATH% com.compiere.client.UpdateLicense --  
sysname xxx --email xxx --password xxx
```

If the parameters are not specified, the subscriber information at the time of installation will be used to update the Licenses