



## Compiere 3.5 Release Notes

---

October 15, 2009

---

# Table of Contents

## Compiere 3.5 Release Notes

<b>Compiere 3.5 Release Summary</b>	<b>3</b>
Audience	3
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 3.5</b>	<b>4</b>
New Compiere Enterprise Edition	4
Management Dashboards	4
Visual Editor	4
Payflow Pro SDK update	4
Other Enhancements and tech stack changes	4
Web User Interface	5
Compiere Professional Edition	5
<b>Fixed Issues for Compiere 3.5</b>	<b>5</b>
<b>Product Enhancements for Compiere 3.5</b>	<b>7</b>
<b>Known Issues in the Migration Process</b>	<b>7</b>
<b>Known Issues in the Install Process</b>	<b>8</b>
<b>Known Issues in Compiere 3.5</b>	<b>10</b>
<b>Appendix A</b>	<b>11</b>
<b>Compiere 3.5 Migration Instructions</b>	<b>12</b>
Prerequisites	12
Preserving Customizations	12
Migration Steps	12
Preparation	13
Test Mode (optional)	13
Migrate to a New Release	13
Multi-Server Installation	23
Compiere Enterprise Edition	23
Post Migration Steps for RMA/RTV	24
<b>Appendix B</b>	<b>25</b>
<b>Compiere 3.5 Installation Instructions</b>	<b>26</b>
Prerequisites	26
Database Installation	26
Java Installation	26
Download Compiere	26
Run Application Server	34
Start Compiere	35
<b>Appendix C</b>	<b>36</b>
<b>Compiere 3.5 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>

---

# Compiere 3.5 Release Summary

Compiere 3.5 introduces the new Enterprise Edition, a more scalable and easier to customize application and provides more insight into your business data. Compiere 3.5 also includes new capabilities such as the automatic generation of pre-built reports, additional features, functionality improvements and more than 45 bug fixes.

Certain features in Compiere 3.5 require a Compiere Professional or Enterprise Edition subscription. Contact a Compiere Authorized Partner or Compiere Sales (<http://www.compiere.com/company/contact-us.php>) to acquire Compiere subscription.

Compiere 3.5 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 3.5.

## 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 3.5 from <http://www.compiere.com/wstore>. The migration tool will bring you up directly to Compiere 3.5 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 3.0/3.5 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 3.5

The following is a detailed description of the enhancements made available in Compiere 3.5.

### New Compiere Enterprise Edition

All the features from the Professional edition plus:

- Management Dashboards: Pre-built, role-based dashboards provide drill-down capability and are easily customized without programming.
- Visual Dictionary Editor: This modern "drag and drop" workbench allows changes to applications easily such as adding/hiding fields, reconfiguring screen layouts, and changing business logic
- Multi-server Scalability: Compiere Enterprise now supports multiple servers, large transaction volumes, and hundreds of users
- Dynamic Web Services: Compiere's Service Oriented Architecture (SOA) provides easy integration with other applications

### Management Dashboards

### Compiere Enterprise Edition

Compiere Management Dashboards give users insight into critical data that they need to improve individual and organizational performance. Included in this component are a variety of charts that are fully integrated with Compiere ERP processes and data, giving business users immediate visibility to key metrics that they need to improve process efficiency.

For more details about the Management Dashboards see:

- Demo: <http://www.compiere.com/resources/product-demos/tour/management-dashboards.php>
- Documentation: <http://wiki.compiere.com/display/docs/Management+Dashboards>

### Visual Editor

### Compiere Enterprise Edition

Visual Dictionary Editor provides you with a sleek Flash interface to customize your data setup or transaction windows. Use drag-n-drop to design your window layout exactly the way you want. You can customize field labels, hide fields you don't want, pre-populate field values and mark fields as mandatory or read only. The Visual Dictionary Editor lets you see the user's view of the window as you work on it making layout design intuitive and error-free.

For more details about the Visual Editor see:

- Demo: <http://www.compiere.com/resources/product-demos/tour/visual-editor.php>
- Documentation: <http://wiki.compiere.com/display/docs/Visual+Dictionary+Editor+3.5>

### Payflow Pro SDK update

The Payflow Pro integration provided by Compiere to process payments has been updated to use the new Payflow Pro SDK. If you continue to use outdated SDKs after September 1, 2009, you will begin to experience limited service interruptions and on January 2010 your payment processing will stop.

In addition to the code changes you also need to update the Payment Processor data from the bank window to point to the new host addresses (test address: pilot-payflowpro.paypal.com, live address: payflowpro.paypal.com)

For more information please review the [FAQ from PayPal](#)

### Other Enhancements and tech stack changes

- Financial Summarization enhancements
  - Update Accounting Balances process has been enhanced for improved performance
  - User can create any number of aggregations and use them in Financial reports and dashboards
  - Aggregations can be created based on user-defined accounting elements and user-defined periods
- Table Customization
  - Customize windows to rearrange or hide columns

- Persisted at User level
  - Web UI is now based on [GWT 1.7](#)
  - Compiere is now certified on IE8 and Firefox 3.5, with the caveat that on Firefox when processing large amounts of data a “Low Memory” window pops up
  - Jasper Reports for EnterpriseDB (Postgres Plus AS): Compiere does not support Business View Layer Component on EnterpriseDB due to some technical constraints to enforce the Compiere security model. In release 3.5 you can get Jasper Reports to work in EnterpriseDB by setting up the Jasper reports directly on Compiere Schema. The following reports can be used as an example to setup Jasper Reports in EDB: Trial Balance, Profit and Loss Statement, and Balance Sheet
- NOTE:** For Jasper Reports defined off Compiere schema, the report designer needs to be apply the security rules in the report.

## Web User Interface

## 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.
- 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 3.0/3.5 is recommended when using Compiere with the web user interface.

When using Internet Explorer, 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 3.5

Case Number	Description
10016428	Create New Batch in Import GL Journal Window
10016456	Vendor in generate PO from SO process. If you select a Vendor, it should generate lines for products where that vendor is the current vendor
10016546	Open Item Report - Paid amount is incorrect for split payment

Case Number	Description
10018277	Open Item Report - wrong sign on Paid column
10018317	Country Region Default
10018692	class TimeUtil.java, method : isSameDay
10018815	Invoice To Location on Sales Order inconsistency The document can now be saved with a wrong InvoiceTo location.
10019055	On Import Order window, the field called "Unit Price" maps to the field called "Price" in the Sales/Purchase Order Line window, not the field "Unit Price".
10019085	Posted field always editable
10020304	see request # 10019624 we found similar situation happens in Views -> Product (next to Preference on the top right corner)
10020559	Workflow activity translation
10020845	On "Tax Rate" window, there is an option ("SO/PO Type") to specify if the tax rate is a "Sales Tax", a "Purchase Tax" or "Both". If you specify the tax rate is a "Sales Tax", it should not be available on Vendor documents and a "Purchase Tax" on Client documents. (REFER TO TICKET 10018821)
10020916	Completed documents can be altered
10020917	Documents not unlocked after Workflow ends
10020987	Create a new tenant. Login as Admin Go to view->product and leave blank Warehouse you still see list of Garden World's warehouse.
10021029	Bug: When raising a PO and receiving in a quantity greater than PO qty, the system shows the on-order quantity as negative. It should be zero.
10021086	Bug: When creating a Payment and linking the payment to one invoice only (invoice field on Payment tab), then the system should copy the payment rule from the invoice to the payment tender type, and not use the default tender type of Check.
10021225	when entering manual journals, if you physically type in the combination code the system allows you to enter and accepts an account combination that exists in the other client, but not in the client you are working in
10021322	Compiere - Specsavers Strategic Review - WebUI Usability / Issues Difficult to define order of columns: Table Customization
10021505	WF Activity Yes/No dropdown not translated
10021539	Entering product name is not displayed consistently in Sales Order line.
10021564	When a product search is done when creating invoice surely products should be listed for warehouses that belong to a Tenant if the warehouse field is blank.
10021580	calculator does not use field value
10021581	print format translation overwrites printf format items
10021583	report shows PO / SO records intermixed
10021584	print viewer always uses SO context for search field labels
10021585	print viewer lookup record always uses fields from SO window
10021643	the AmtInWord for document printing, is not running in Spanish version
10021693	Payment allocation in web ui, the applied amount has some editing problem
10021696	Incorrect Validation code for M_Product (RoutingOperationResource) and M_Product (StandardOperationResource)
10021725	Want to create a Trail Balance or Balance Sheet that provides a breakdown on an add'l dimension.
10021760	Release Wave (Summarized) - Form shows inactive waves
10021766	A Print Format nested in another Print Format does not honor the "SQL Where" clause defined in the Report View
10021861	Web Services: The closing tag is <C_BPartner_Locations> while it should be </C_BPartner_Locations> in the end.
10021884	Release Wave (Summarized view) only process 1 line in a order
10021909	Web Services: query the Business Partner Location by Business Partner ID by specifying 'Business%20Partner' => "1000007" for the php query or params.put("Business%20Partner","1000007") for the java application query.
10021959	Issue with Task Management Window: Locators are not visible in table component if the system has more than one warehouse and user toggles the warehouse (other than logged

Case Number	Description
	in Warehouse).
10022012	Issue with Inconsistent state of MStorage
10022036	Negative Reserve Quantity: In case of over shipment reserve quantity becomes negative.
10022076	Import Business partner losses the Customer / Vendor / Employee value while updating (re-importing) a record.

## Product Enhancements for Compiere 3.5

The following is a list of the enhancement Requests that have been completed in Compiere 3.5.

Product Enhancement	Description
10021239	GridTab.fireDataStatusEEEvent marked protected
10021522	printformat ** New Report ** always enabled
10021647	Translation table for AD_WF_Responsible
10021656	Web UI usability enhancement. Product view –When you firstly open the view you cannot move between rows using the arrow keys. (up & down keys).
10021657	Web UI Usability. Order detail-Product view. The product selected on an order detail is wiped away if you open again the Product view and press the button “OK”.
10021658	Web UI usability: Order detail-Product view. The product search after the name field should contain %% automatically
10021679	Web UI Usability: Name of the window (browsers or tabs)- When you open several windows/tabs (product, Order, etc) they should have a more detailed name like “Compiere-Product, Compiere-Order”
10021686	Tab "Available to Promise" in History Records of Product Info screen change the date field on Available to Promise from Date Promised of the purchase order, into Date Promised of the purchase order line.

## 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 might indicate referential issues in your pre-migration data. Review the problem data...
ORA-02275: such a referential constraint already exists	All	This might indicate referential issues in your pre-migration data. Review the problem data.

Migration Issues – Warning/Error Messages	Database	Comments
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.
While executing RUN_Setup, refreshing an existing instance =====> DB_PostgreSQL.getDataSource: DB_EnterpriseDB[null] [12] java.lang.IllegalArgumentException: DataSource with name 'CompiereDS' already exists!	All	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]	EnterpriseDB	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,Is Active,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.T4CTTIoer.processError(T4CTTIoer.java:305) at oracle.jdbc.driver.T4CTTIoer.processError(T4CTTIoer.java:272)	All	These are acceptable if your database is not set for Unicode.
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)	All	No effect on the functionality. You may ignore this error.
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-01017: 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)	All	No effect on the functionality. You may ignore this error
Error installing the sample application extension XUOM Failed sql statements: ORA-00955: name is already used by an existing object	All	This is an acceptable warning message



Install Issues – Warning/Error Messages	Database	Comments
<p>- CREATE INDEX M_Product_ProductCategory ON M_Product (M_Product_Category_ID)</p> <p>- java.sql.SQLException: ORA-00955: name is already used by an existing object</p> <p>Error installing the sample application extension XUOM</p> <p>Create Views *****</p> <p>Starting to create views for entity: XUOM</p> <p>Created view #1 for entity: XUOM</p> <p>Failed sql statements</p> <p>&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;</p> <p>... same error for other indexes...</p> <p>&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;</p> <p>...same error for other constraints...</p>	All	This is an acceptable warning message

---

## Known Issues in Compiere 3.5

Issues you may encounter using Compiere 3.5

Issue	Database	Solution
Null pointer exception when creating CAR file in Web UI		Use Swing.
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.		
*** This is now possible except the “something”.....Error when executing BVL reports on EnterpriseDB JasperReportServer.startReport: BVL Schema does not exist	EnterpriseDB	BVL is currently not supported on EDB
Firefox only. Error message when uploading an attachment to a window: An error occurred while uploading the attachment. Please reload the record and try again The attachment as such works but only gives an error. In order to see the attachment to a record, reopen the window.		

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>.

---

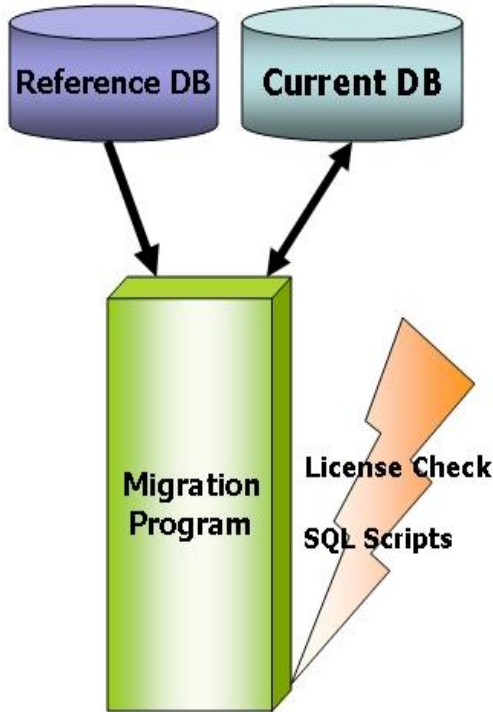
## **Appendix A**

### **Compiere 3.5 – Migration Instructions**

## Compiere 3.5 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":

Entity Type	User maintained
	Applications
	Compiere
	Customization
	Dictionary
	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` and `compiere_'XUOM'.car` files (filename including *single quotes* from older versions)

### 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) When upgrading from 3.2.1 or older 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 3.5.

**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\conf	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

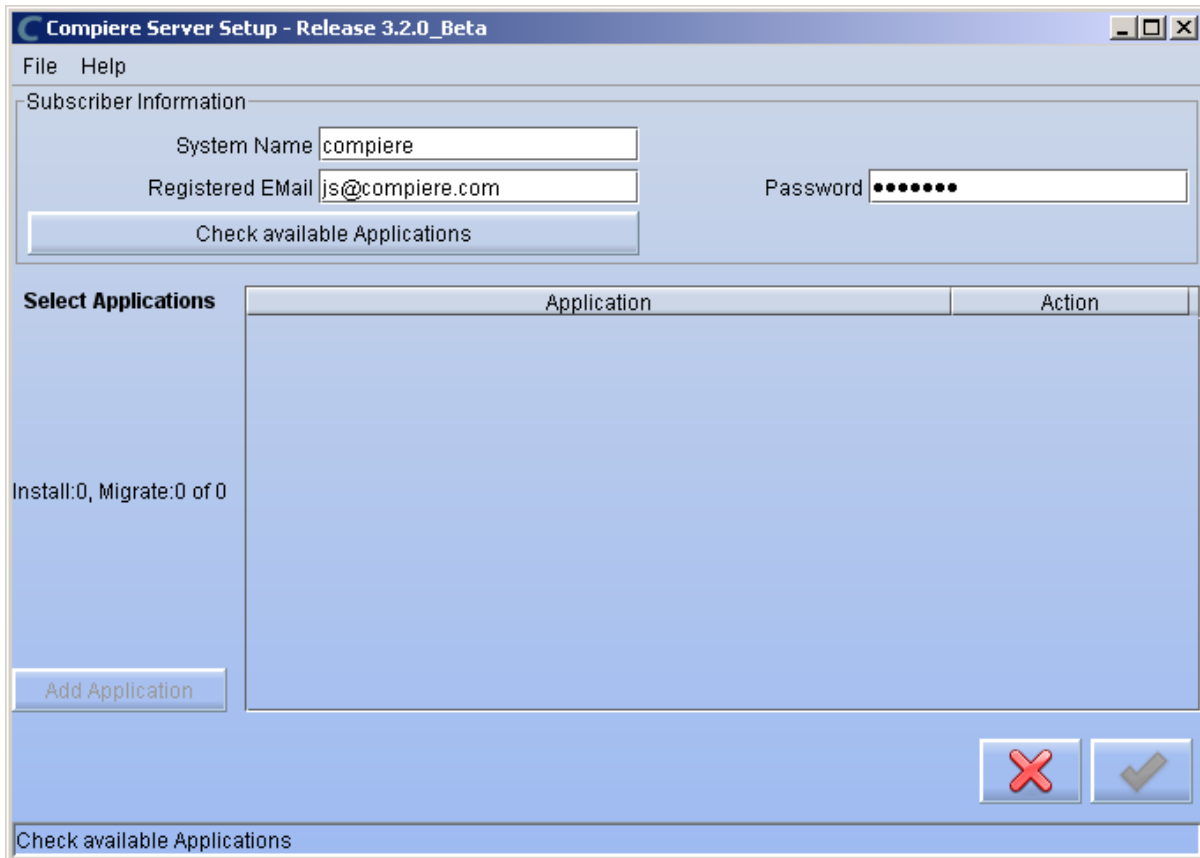
Do you accept the License ? ☒ No ☒ Yes, I Understand and Accept

- 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 Standard is the core 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

**IMPORTANT:** If you don't provide the correct email/password or if you don't have Internet connection you won't be able to select Compiere Professional or any of the other optional components

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 'Select Applications' section contains a table with columns 'Application' and 'Action'. The table lists several applications, all with 'ReInstall/Migrate' as the action. A status bar at the bottom left says 'Install:6, Migrate:6 of 6'. At the bottom right are 'Add Application', 'Cancel' (red X), and 'OK' (green checkmark) buttons. A status bar at the very bottom says 'Select Applications'.

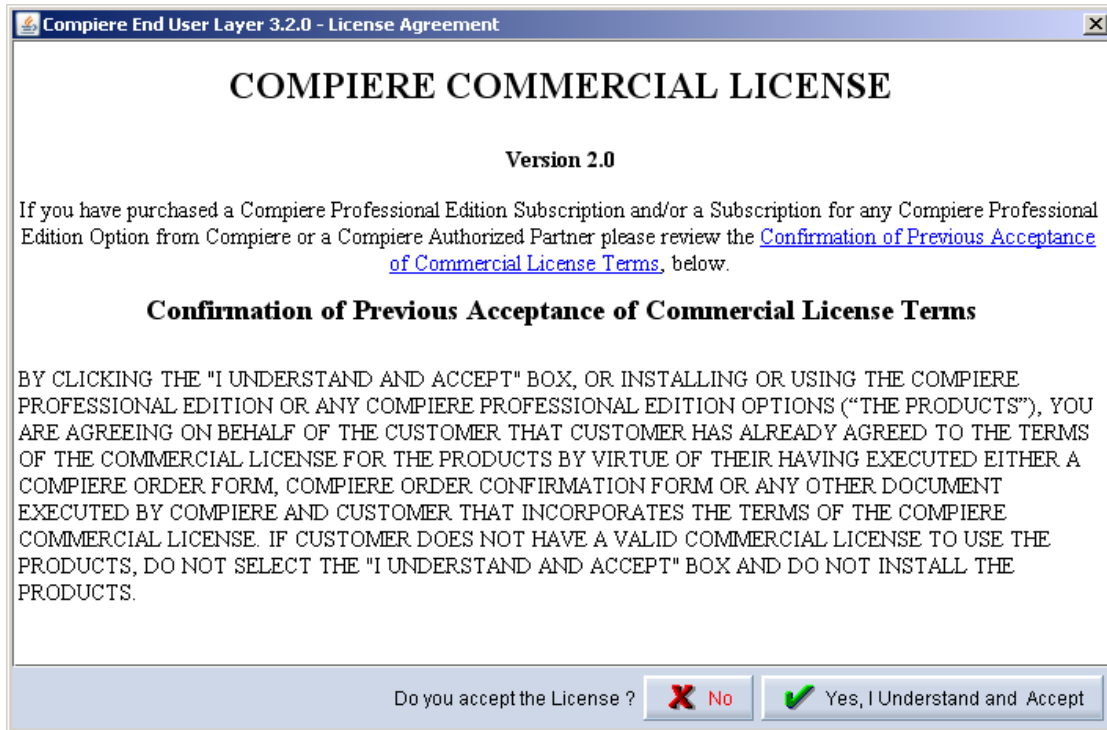
Application	Action
Compiere Standard 3.2.0 (Requires accepting License)	ReInstall/Migrate ▼
Compiere End User Layer 3.2.0 (Requires accepting License)	ReInstall/Migrate ▼
Compiere Manufacturing 3.2.0 (Requires accepting License)	ReInstall/Migrate ▼
Compiere Professional 3.2.0 (Requires accepting License)	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

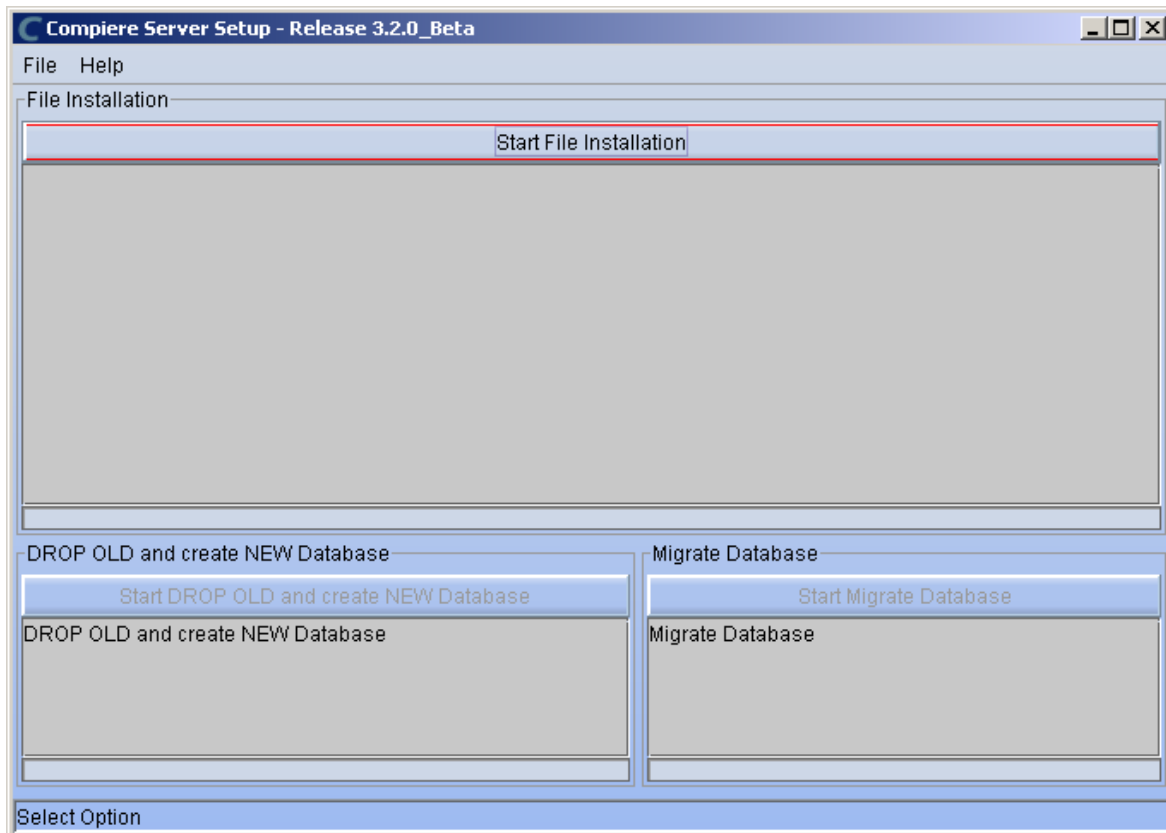
The screenshot shows the 'Compiere Standard 3.2.0 - License Agreement' window. It displays the 'COMPIERE PUBLIC LICENSE' in large bold letters, followed by 'Version 1.5'. The text explains that the license applies to users of the Professional Edition or evaluation versions. Below is the 'Preamble' section, which states that by installing or using the software, the user agrees to the license terms. It mentions the GNU General Public License (GPL) and provides a URL for the auxiliary software license: <http://www.compiere.com/terms/auxiliary-software-license.pdf>. At the bottom, there is a question 'Do you accept the License ?' with two buttons: 'No' (with a red X) and 'Yes, I Understand and Accept' (with a green checkmark).



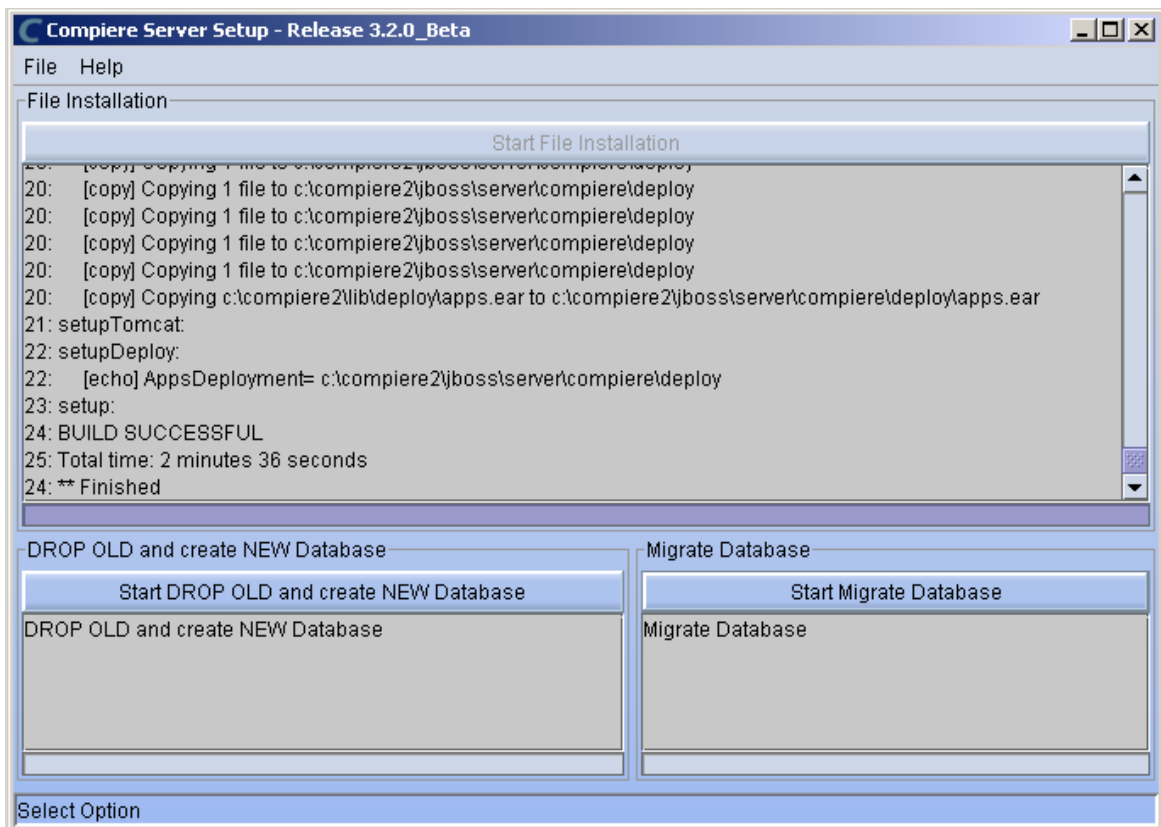
- 8) If you are installing Compiere Professional, you will receive a Commercial license agreement. Please read and accept the license agreement, in order to continue.  
**Hint:** You might get more than one license agreement, depending on the applications that you are installing.



- 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

Compiere Support 3.2.0

System Name: compiere

Registered Email: js@compiere.com

Support Email:

Target URL: jdbc:oracle:thin:@//lap-js-new:15

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

Support Units: 0

Supported Users:

☒ Existing Support Contract

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

Source UserID:

Source Password:

System Status: Evaluation

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

Cancel

Check License

**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”.

Compiere Support 3.2.0

System Name: compiere

Registered Email: js@compiere.com

Support Email:

Target URL: jdbc:oracle:thin:@//lap-js-new:15

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

Support Units: 0

Supported Users:

☒ Existing Support Contract

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

Source UserID:

Source Password:

System Status: Evaluation

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.

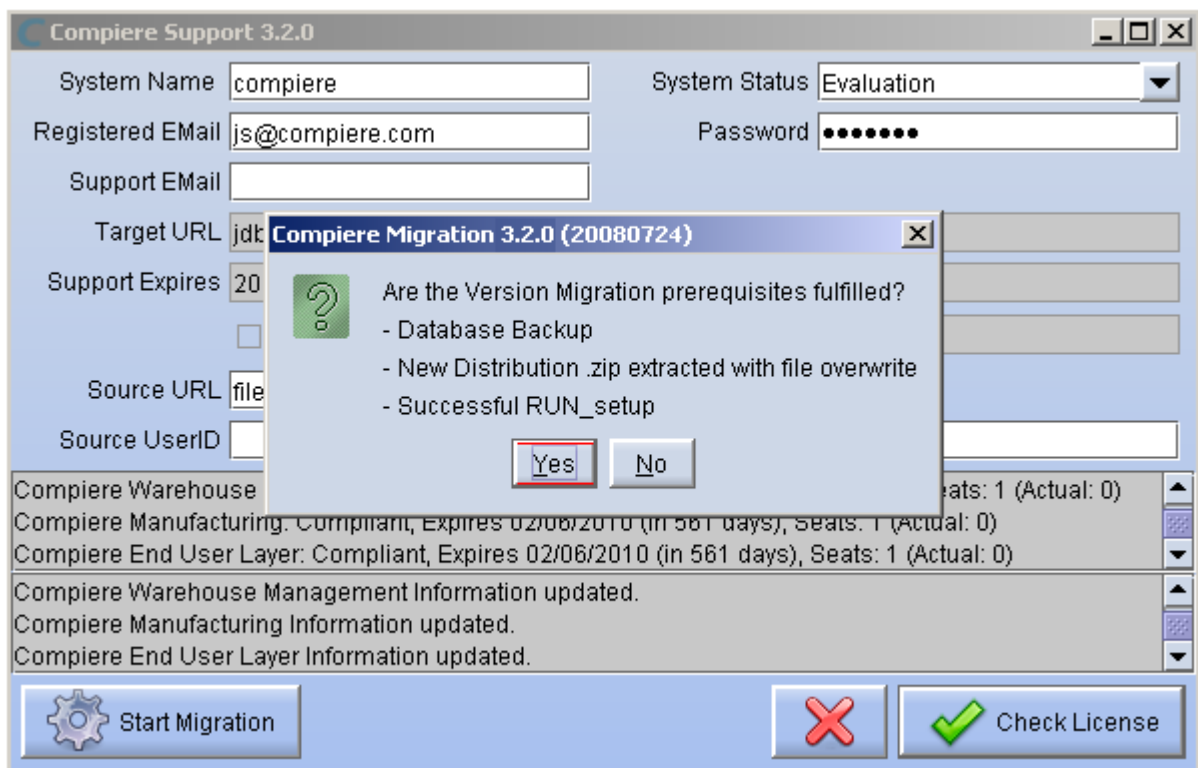
Compiere End User Layer Information updated.

Start Migration

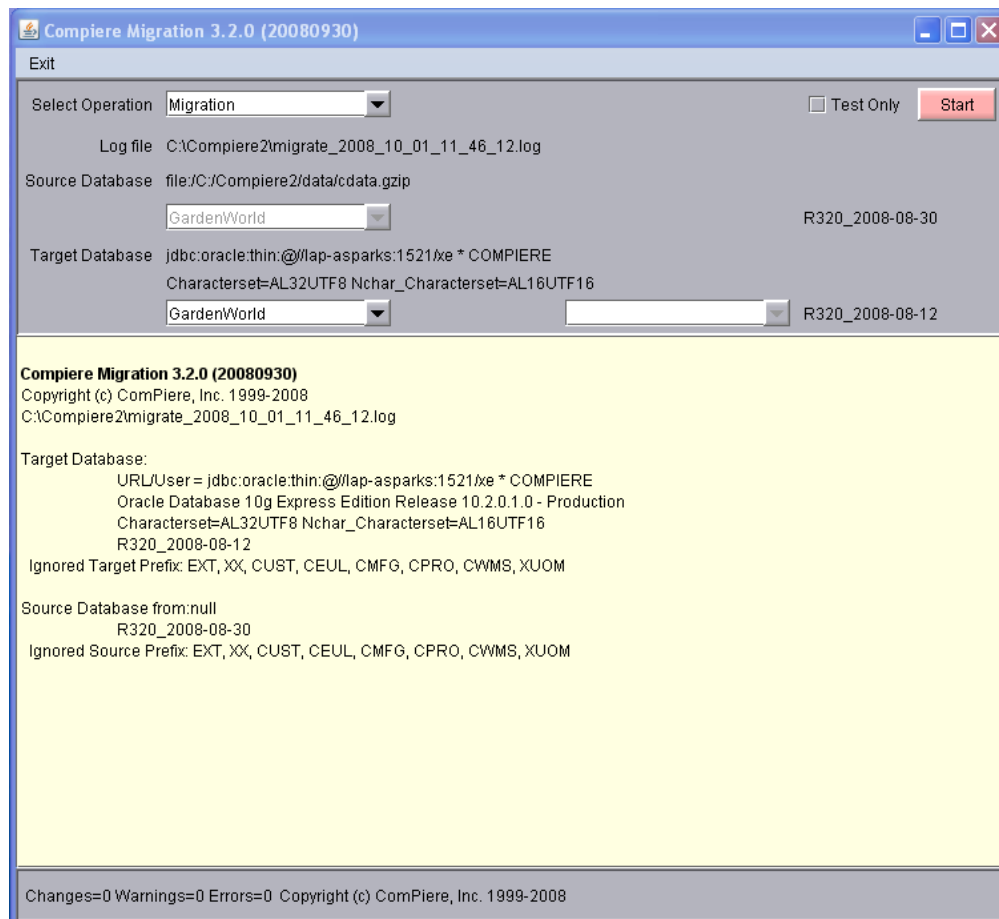
Cancel

Check License

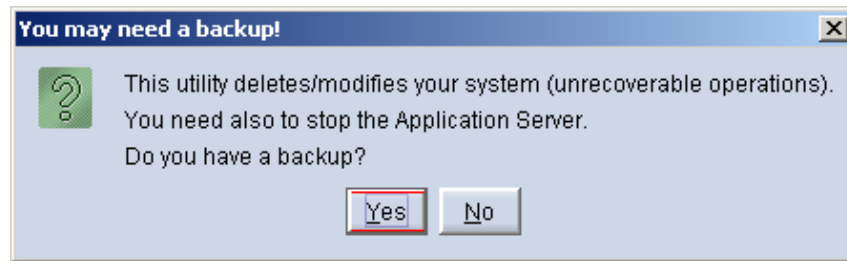
13) At the Compiere Version Migration Prompt, click “Yes” to proceed with the Migration.



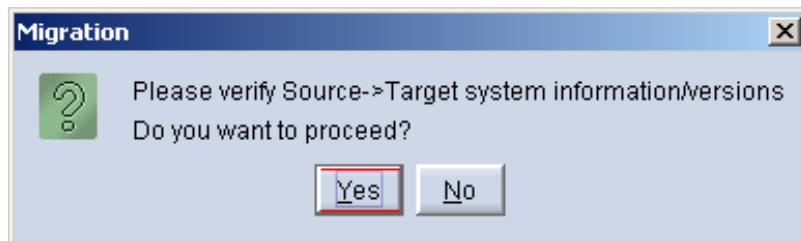
14) Unselect the “Test Only” option, and click Start.



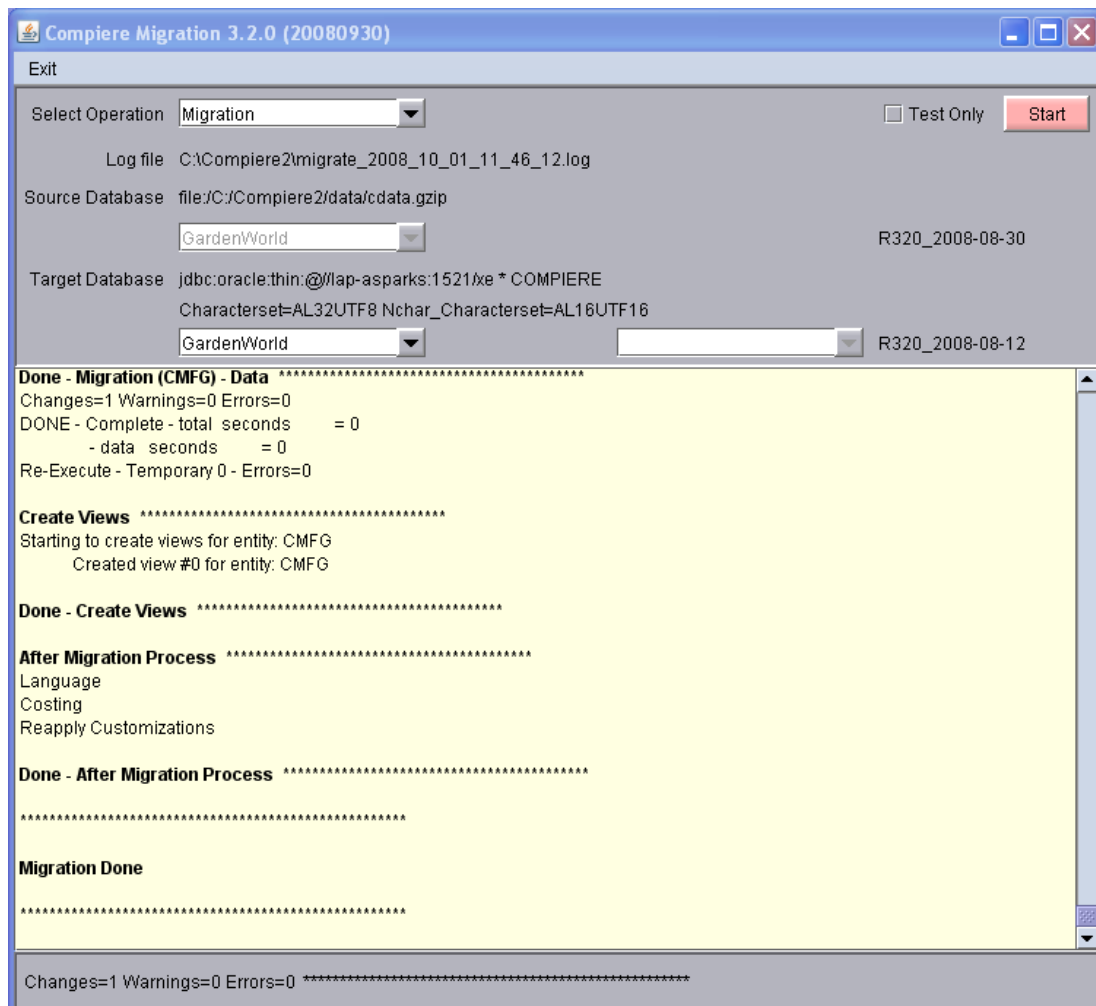
- 15) Confirm that you have a current back up of your database



- 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:

- a. migrate\_2009-mm-dd\_hh\_mi\_ss.log: complete log
- b. migrate\_2009-mm-dd\_hh\_mi\_ss.err.log: subset of log with just errors
- c. 2009-mm-dd\_#.log: possible additional errors not printed to the migration log. (search for the file with the text "Compiere Migration 3.5")

19) If you have a Compiere Professional or Enterprise 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 Compieri in the Web UI after migration, it is required that all Web UI users clear their browser cache first.

## Multi-Server Installation

## Compieri Enterprise Edition

On a multi-server installation, after upgrading the main application server and database you need to run the following on the additional application servers that are used to load balance the web UI connections:

- 1) Unzip the binary distribution to update the Compieri2 folder
- 2) Copy the template for the configuration file  
`Compieri2/Utils/CommandLine/CLConfigurationTemplate.sh/bat`  
To  
`Compieri2/Utils/CommandLine/CLConfiguration.sh/bat`  
and configure it so the Apps Server is the local server where you are doing this installation, but the database server is the box where you already installed Compieri
- 3) Execute the following script to run only the file installation  
`cd Compieri2/Utils/CommandLine`  
`CLFileInstall CLConfiguration.sh`

**IMPORTANT:** Be sure to use the `CLFileInstall` script. If you use `CLInstall` it will drop your database user

- 4) Delete the files `COMPIERE_HOME/jboss/server/compieri/deploy/compieriRoot.ear` to ensure that there won't be conflicts by having multiple accounting, request, etc. processors
- 5) Start the apps server
- 6) Configure your load balancing solution to distribute part the load to the additional servers. Be sure to use sticky sessions to ensure that all requests from a session go to the same application server.

Support for this feature is only available for customers using Enterprise Edition. For more details about the different [Compieri Editions](#) please see our website.

---

**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 3.5 – Installation Instructions**

---

## Compiere 3.5 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>.

If you are using Oracle XE you need to modify the following database parameters:

- Start SQL\*Plus (Start => Programs => Oracle Database 10g Express Edition => Run SQL Command Line)
- connect system/compiere
- alter system set processes=100 scope=spfile;
- alter system set sessions=100 scope=spfile;
- Re-start the database (Start => Programs => Oracle Database 10g Express Edition => Stop DB & then Start DB)

### 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 and Professional Trials](#).
  - 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')

**Note:** Compiere requires Internet connection for installation. If you are using a proxy server then you need to modify the script RUN\_setup to set your proxy options.

- 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 (e.g. manager)
- 8) For Database Password, enter the Compire 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 3.2.0\_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 (dropdown)
- Compiere Home:** c:\compiere2 (with a folder icon)
- KeyStore Password:** (masked with dots)
- Application Server:** lap-js-new
- Server Type:** jboss (dropdown)
- Deployment:** c:\compiere2\jboss\server\com (with a folder icon)
- JNP Port:** 1099
- Web Port:** 80
- SSL:** 443
- Database Server:** lap-js-new
- Database Type:** oracleXE (dropdown)
- Database Name:** xe
- Database Search:** xe (dropdown)
- Database Port:** 1521
- System Password:** (masked with dots)
- Database User:** compiere
- 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.

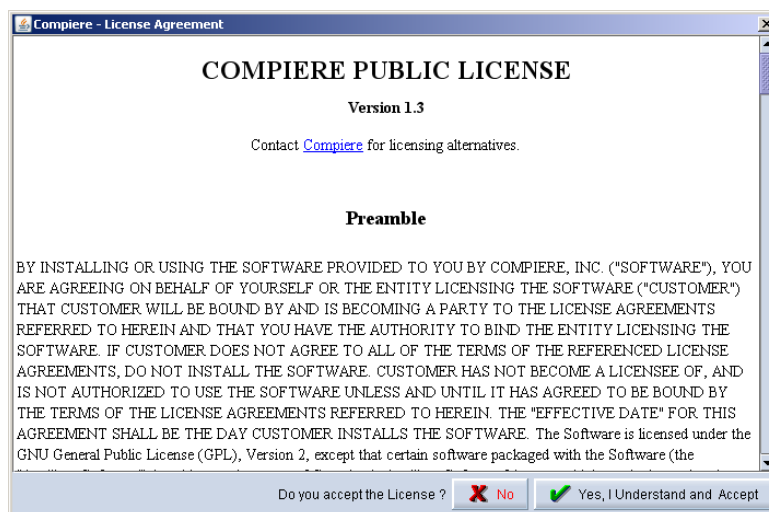
- 10) Enter or update any other parameters as necessary.
- 11) Select the Help button, for information on any field.
- 12) Select the Test button to check the parameters.  
**Tip:** The parameters will only save after they have been verified.
- 13) If an entry is unverifiable, it will display with a 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 'Compiere Server Setup' window after the 'Test' button was clicked. Green checkmarks are now visible next to the following fields:

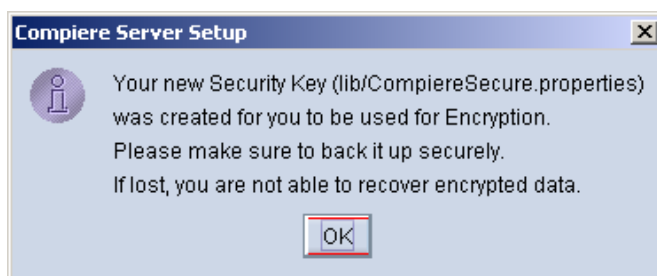
- Java Home
- Compiere Home
- KeyStore Password
- Application Server
- Deployment
- Web Port
- Database Server
- Database Type
- Database Search
- System Password
- Database Password
- Mail Server
- Mail Password

The 'Test' button is still highlighted with a red box. The 'Save' button is also visible. The status bar at the bottom shows 'Ok'.

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



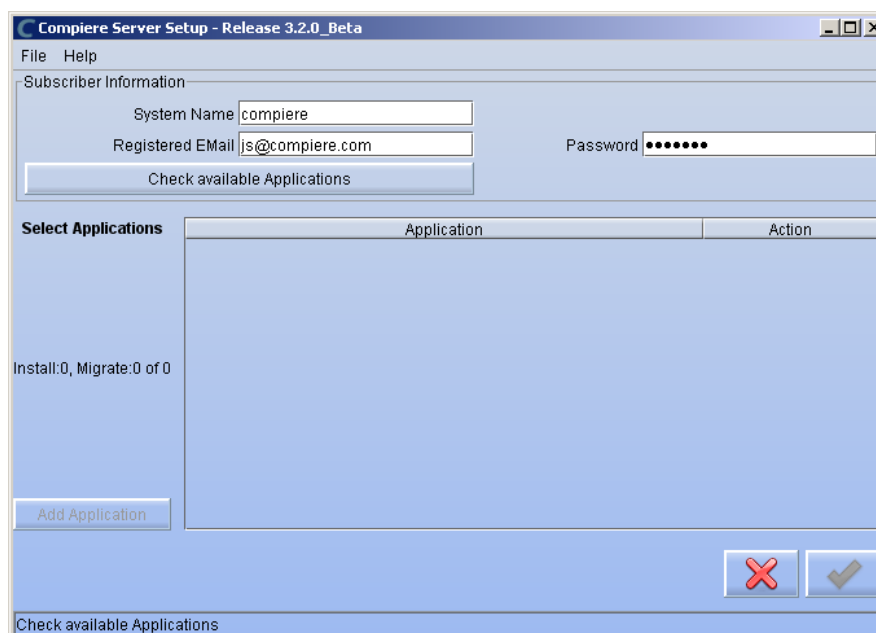
- 16) The following prompt will display describing your new Security Key. Click 'Ok' to continue.



- 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.

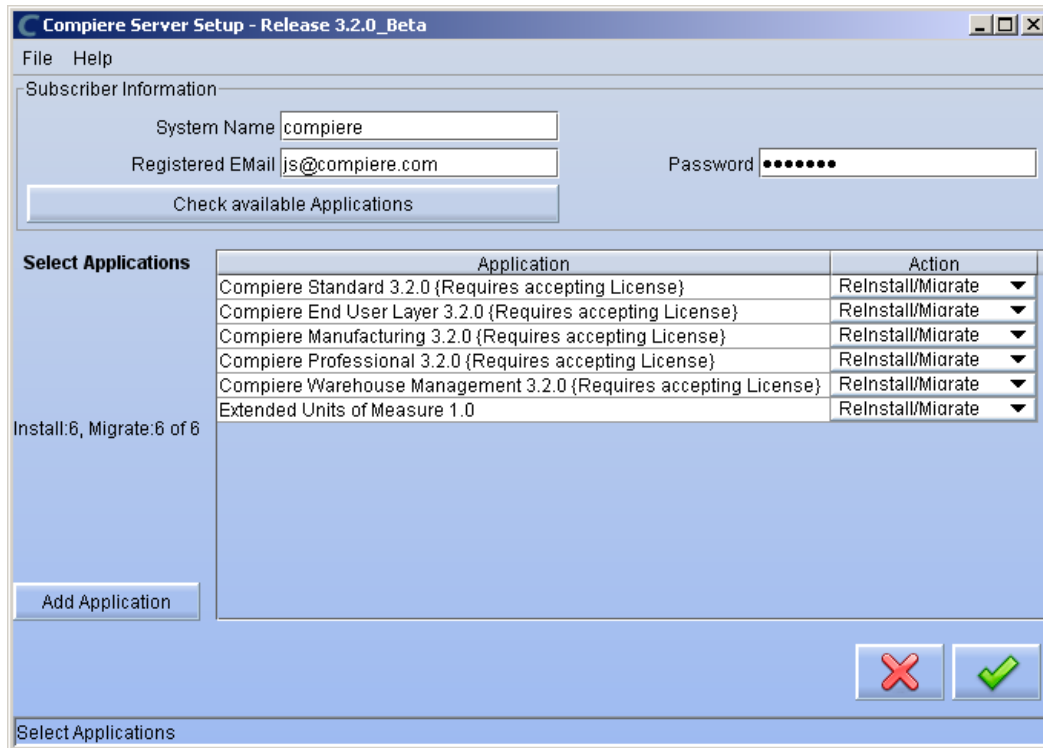
**Tip:** Community Edition users may leave the fields blank and click “Check available components” to install the Community Edition.



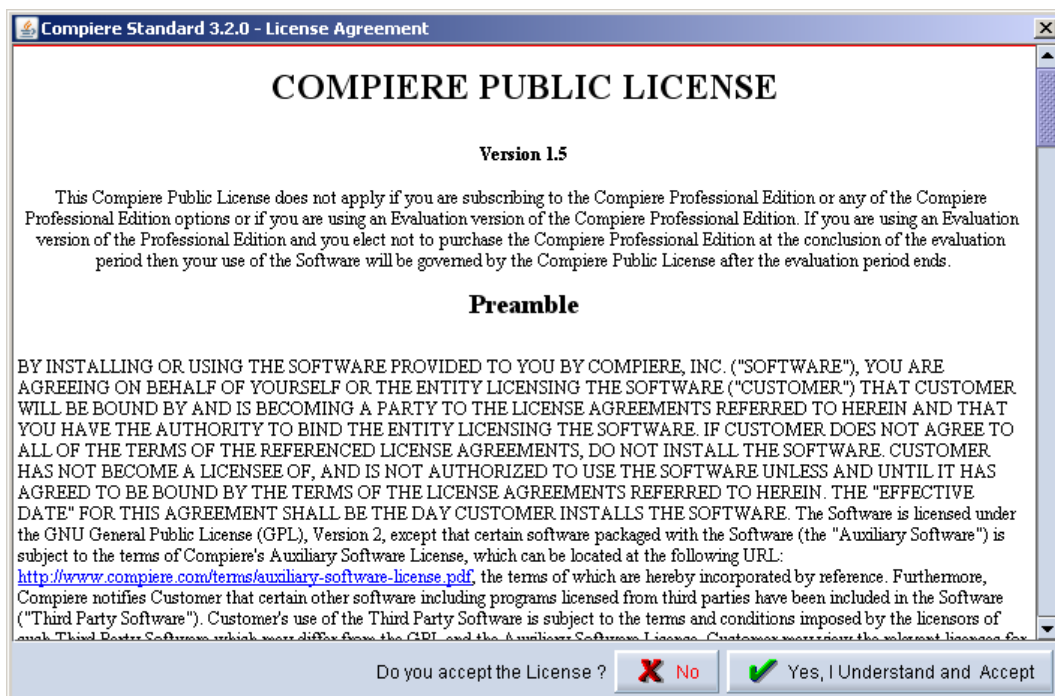
- 18) Select the applications that you would like to install. You can include additional applications by using the button Add Application.

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

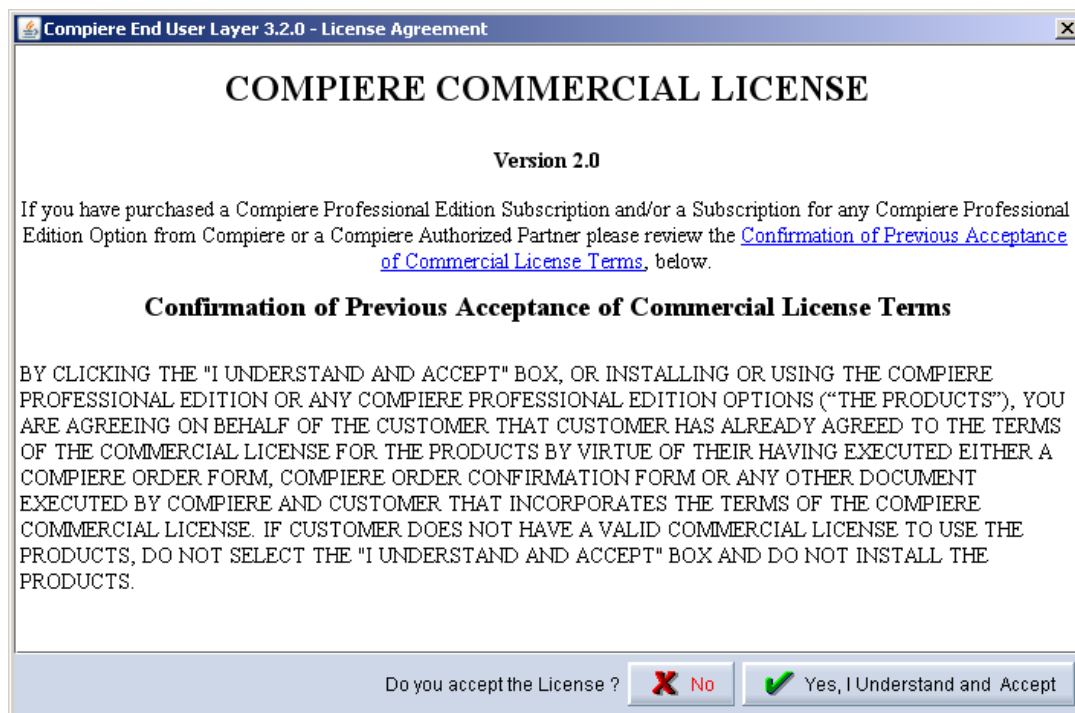


- 19) Next, read and accept the Compiere Public License agreement.  
**Hint:** You might get more than one license agreement, depending on the applications that you are installing.

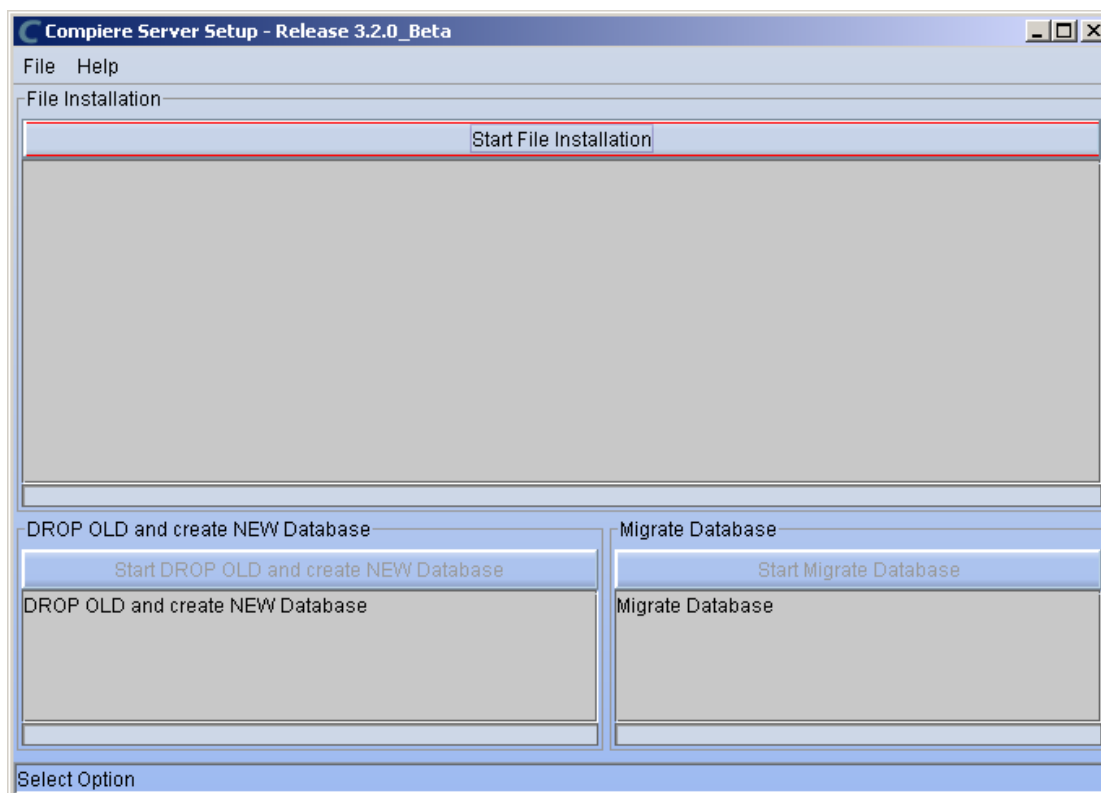


20) Then read and accept the Compiere Commercial License agreement.

**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:

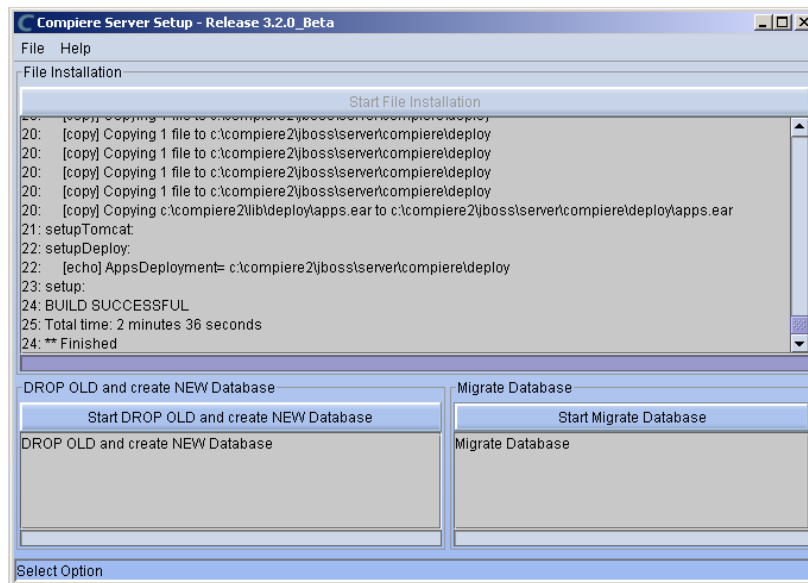


22) Select Start File Installation.

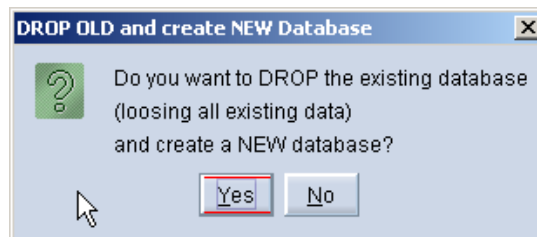
**Important:** At this point, you must be connected to the internet to continue or the installation will not succeed.

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.

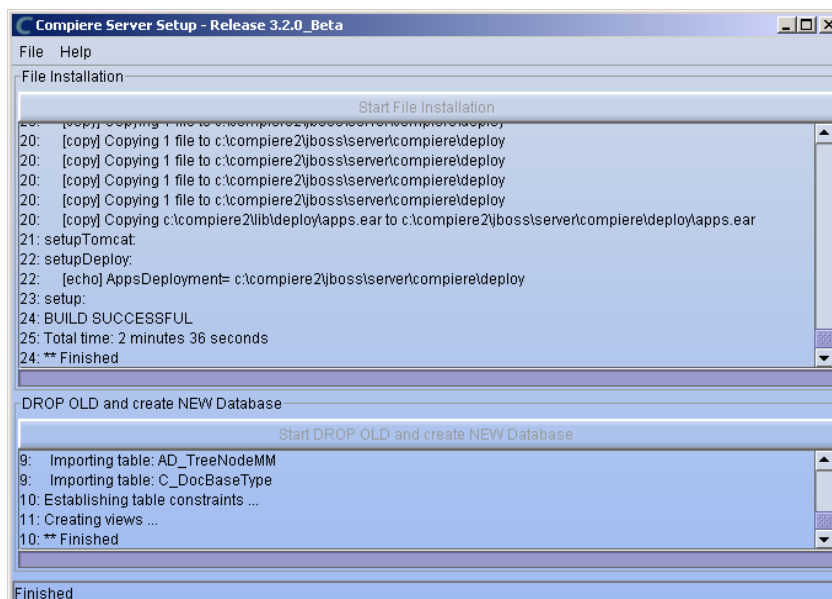


24) At the prompt select 'Yes' to Drop the existing Database and create a new database.



**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 'System Name' field is filled with 'compiere'. The 'System Status' dropdown is set to 'Evaluation'. The 'Registered Email' field contains 'js@compiere.com'. The 'Password' field is masked with dots. The 'Support EMail' field is empty. The 'Target URL' field contains 'jdbc:oracle:thin:@//lap-js-new:15'. The 'Support Units' field is set to '0'. The 'Support Expires' field shows '2010-02-06 00:00:00.0'. The 'Supported Users' field is empty. The 'Support Level' field is empty. There is a checkbox for 'Existing Support Contract' which is checked. The 'Source URL' field contains 'file://c:/compiere2/data/compiere.'. The 'Source UserID' field is empty. The 'Source Password' field is empty. Below these fields, a text box displays the license status: '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 are 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.

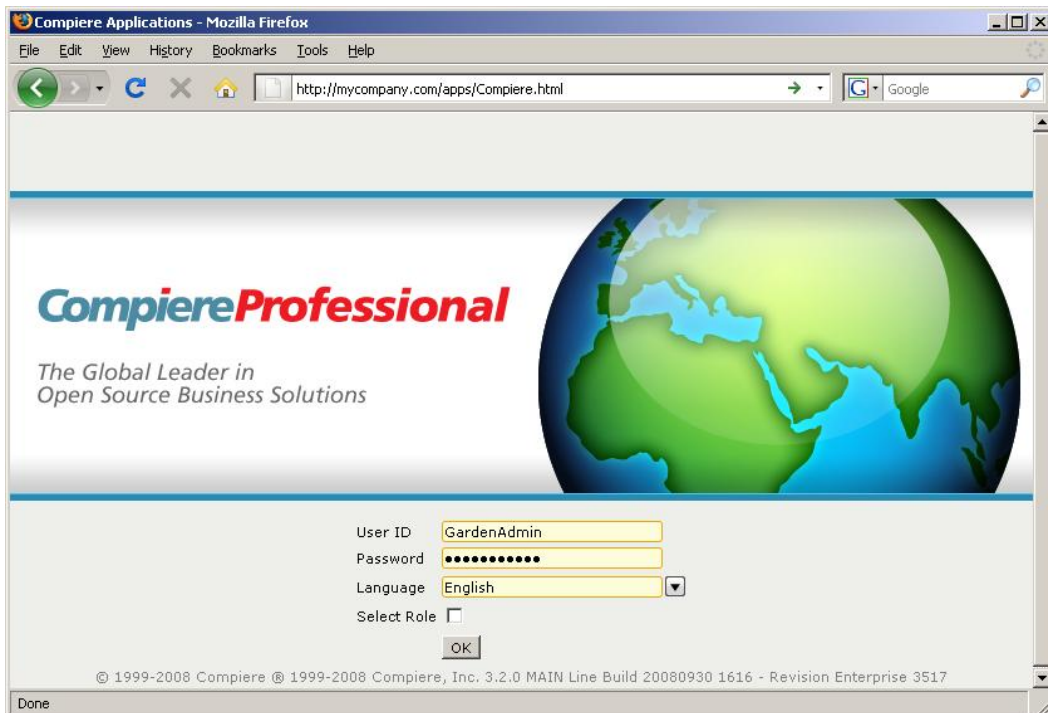
- 1) Start the Swing client by double clicking on the Compiere shortcut in your desktop or by executing **RUN\_Compiere2** from the \$COMPIERE\_HOME directory.

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>.

---

## **Appendix C**

### **Compiere 3.5 – Application Extensions**

## Compiere 3.5 Application Extensions - Compiere Partners

This section is for Application Extensions in Compiere available as functionality in 3.5 is for Partners only. 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:** \* (with a dropdown arrow)
- Entity Type:** fr1
- Name:** Test fr1
- Description:** Test application extensions
- Comment:** Full description of the application extension
- Active:** ☒ Active
- Version:** 1.0
- Prerequisite Version:** 3.0.3
- Prerequisite Applications:** CPRO
- Classpath:** (empty text box)
- ModelPackage:** (empty text box)
- Model Validation Classes:** (empty text box)
- License Text:** (empty text box)
- Documentation Text:** (empty text box)
- Registered:** ☐ Registered
- 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.

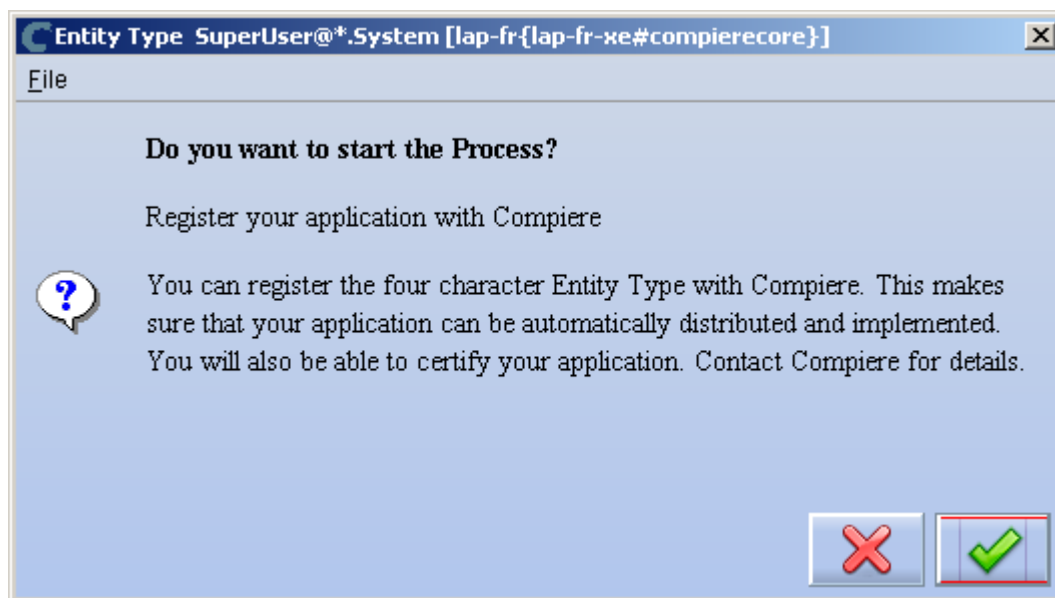
**Important:** Complete all the mandatory fields. For entity type, notice that names beginning with “C” and “X” are reserved for Compiere and you must use four characters.

Comments about optional fields:

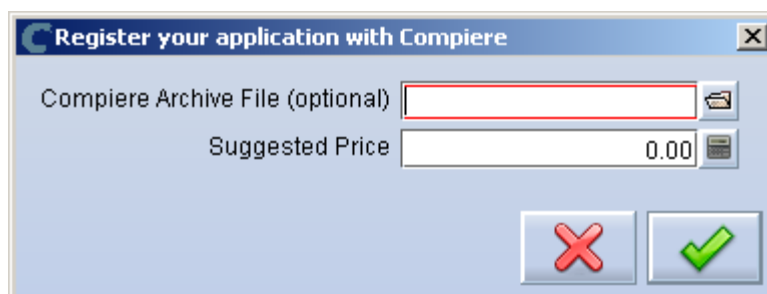
- Version: The version of your extension. Usually 1.0 for the first version.
  - Prerequisite version: The Compiere Core version that is required for this extension, e.g. 3.3.0. You need to use the exact text as defined for the entity type D.
  - Prerequisite applications: The entity type of the applications 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 including a long description and license type.

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

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

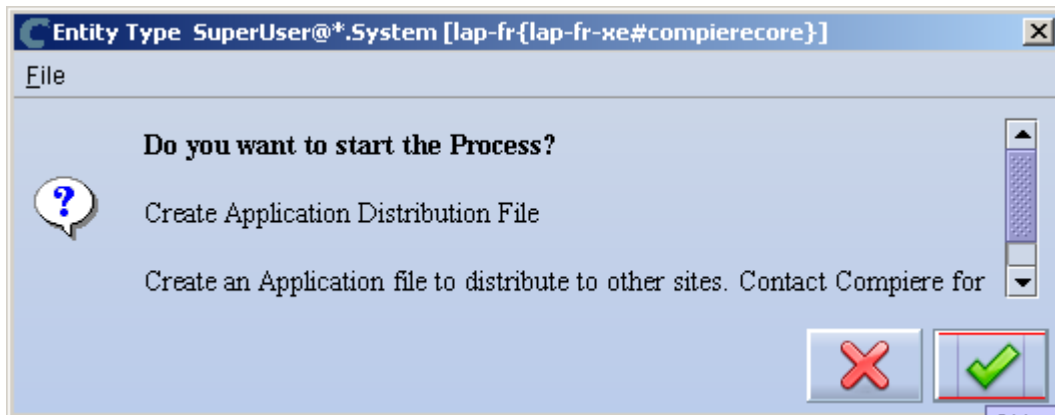
- 1) Make all the application dictionary changes using the entity type that you registered in the previous step.
- 2) Generate jar files for the custom code required by your extension.
- 3) After having your new Entity Type approved by Compiere; login to Compiere with the System Administrator role and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

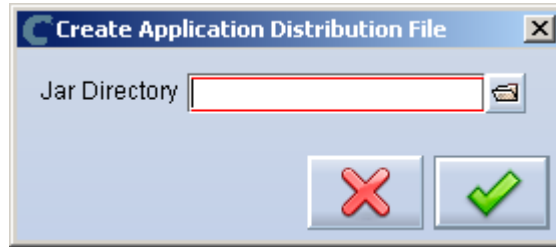
- Tenant: System
- Organization: \*
- Entity Type: LFR1 (with a checked 'Registered' checkbox)
- Name: Test fr1
- Description: Test application extensions
- Comment: Full description of the application extension
- Active: ☒ Active
- Version: 1.0
- Prerequisite Version: 3.0.3
- Prerequisite Applications: 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'. A 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.



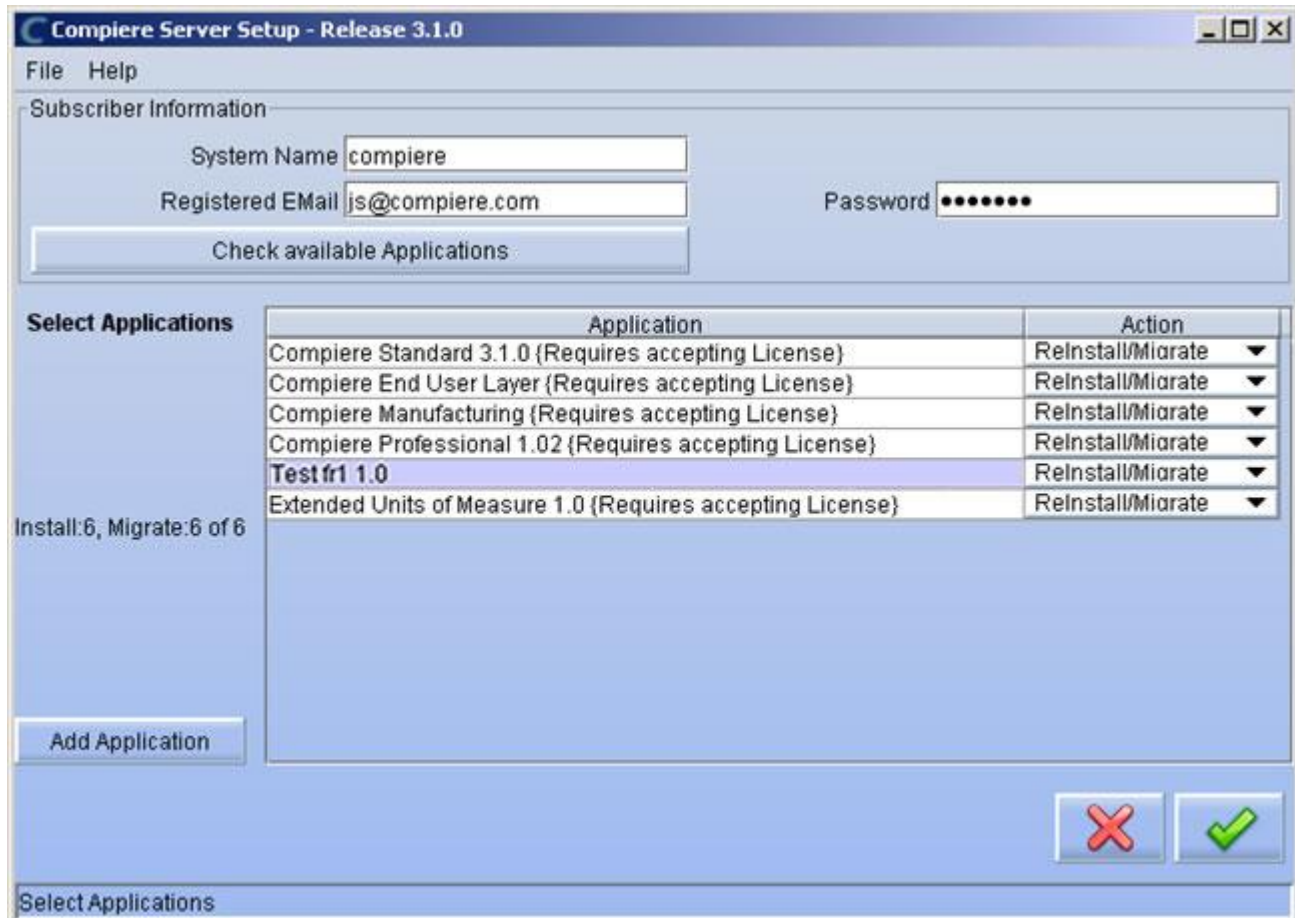
## Installation – Application Consumer (Customer)

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.)

---

## **Appendix D**

### **Compiere 3.5 – Command Line Scripts**

---

## 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 as long as you provide the correct subscriber information, otherwise only the standard application 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 CLConfiguration.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 instead of executing RUN\_Support. 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