



Compiere 3.0 Release Notes

December 3, 2007

Table of Contents

Compiere Release Notes

Compiere Release 3.0 Summary	3
Audience	3
Prerequisites	3
Software Management	3
Download	3
Previous Installations	3
Recommended Infrastructure	3
Process to Log Support Requests for Release 3.0	3
Update/Migration Procedure	4
New Install Procedure	4
Security Fixes	4
Usability Improvements	4
Compiere Professional – Optional Component	4
Code Restructuring	4
Swing User Interface Improvements	4
Search Improvements	4
Installation Improvements	4
Reporting Improvements	5
Web User Interface Release 3.0	5
Known Issues in the Migration Process	6
Migration Issues – Warning/Error Messages	6
Known Issues in the Install Process	6
Install Issues – Warning/Error Messages	6
Fixed Issues for 3.0	8
Appendix A	12
Compiere Service Pack Migration Instructions	13
Prerequisites	13
Migration	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	21
Appendix B	22
Compiere 3.0 New Installation Instructions	23
Prerequisites	23
Database Installation	23
Java Installation	23
Download Compiere	23
Complete Server Setup	28
Start Compiere	29

Compiere Release 3.0 Summary

Compiere 3.0 is a strategic milestone release that adds numerous functional and stability innovations on top of the leading open source enterprise resource planning (ERP) and customer relationship management (CRM) solution. New features available in all Compiere 3.0 editions include returns management, expanded financial reporting templates, and over 150 usability enhancements, functional improvements and community contributions.

Compiere 3.0 marks the introduction of Compiere Professional Edition, a premium offering targeting larger organizations that require advanced services and commercial licensing on top of an open source ERP solution.

Compiere 3.0 also introduces a new and innovative Web architecture and UI. The Compiere Web architecture leverages the latest generation of Rich Internet Applications (RIA) technology to deliver functionality, usability, responsiveness and personalization through a Web browser. The Web architecture and UI is available to Compiere Professional Edition subscribers.

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

Learn more about all the Compiere 3.0 features and benefits by visiting www.compiere.com.

Audience

This guide is designed for Compiere Business Partners and Customers. It provides essential information for current Compiere administrators planning to migrate (upgrade) to Compiere 3.0.

Prerequisites

- Working knowledge of Compiere ERP and CRM
- Compiere Web Store Access

Software Management

Download

You can download the Compiere 3.0 Release from <http://www.compiere.com/wstore>.

Previous Installations

The migration tool will bring you up directly to release 3.0 without having to migrate to an intermediate release.

Recommended Infrastructure

- | | |
|--|--|
| • Sun Java 1.5.0 (SDK) – also known as Sun Java JDK (not just JRE) | • Database approved Linux Operating System, Windows 2003 or Windows XP |
| • Database Oracle 10gR2 or later (Oracle 10gR1 is not supported) XE, Standard or Enterprise Editions, or EnterpriseDB 8.2. | • Disk Space: > 5 GB (includes database) |
| Note: It is highly recommended to use a Unicode character set. | • Swap Space: > 1GB |
| | • Memory: > 512 MB - Recommended: > 1 GB |
| | • TCP/IP connection |

Process to Log Support Requests for Release 3.0

To ensure timely service for all future issues, we strongly recommend that you cease using SourceForge Tracker and begin submitting all new cases into Compiere's Case Management system. Start logging support requests by following the steps below:

- Enter support requests, through the following site: http://www.compiere.com/apps/Compiere.html?W_Store_ID=1000000.
- Log into Compiere Case Management with your Web Store Login ID and Password.
- Open a new request record by clicking on the "New Record" icon in the "Support Requests (External)" window.'
- Use the drop menus to select the correct "Request Type," "Release," and "Product Component" for the submitted issue.
- Leave the "Status" at the default value of "10_Open."
- In the "Summary" field, type a short description and provide step-by-step instructions on how to reproduce the problem.
- Click 'Save' to submit the issue to Compiere Support. Compiere Support will respond to your request as soon as possible.

Update/Migration Procedure

See [Appendix A](#)

New Install Procedure

See [Appendix B](#)

Security Fixes

- Swing UI
 - Removed ability to view obfuscated data in multi-row
 - Removed ability to search on password and obscured fields
 - Removed ability to discover password and obscured fields in debug context
- New Encryption Key Format

Usability Improvements

Compiere Professional – Optional Component

- New web UI architecture
- Case Management Application

Code Restructuring

- Easier maintenance
- Re-factoring in support of the Web UI
- Database independent distribution technology
- Reference data in binary serialized file (.car)

Swing User Interface Improvements

- New icons & new default colors
- Improved Field Focus

Search Improvements

- Combined History & Search functions
- Define what fields you want to search on
- Advanced
 - Search for NULL
 - Search for Created/By & Updated/By
 - Search for Posted, Payment Rule
 - Unrestricted Search for dependent Fields (Location, ..)
 - Retrieve and update Saved Searches
- No Searches on Password (Display Encrypted) or Obscured Fields

Installation Improvements

- Streamlined “Setup” process
- Integrated processes with error detection
- Only database installation is a separate step

Reporting Improvements

- Summary Level Reporting for Countries
- Improvements to the General Ledger, Trial Balance, Profit & Loss Statement, and the Balance Sheet
- New report Sales by Product
- New report Sales by Business Partner

Web User Interface Release 3.0

In order to get properly acquainted with the new application, please view details on “Using the Web UI” in the user documentation. In addition, certain features that are available in the “Java Swing” user interface are not yet available in Compiere Release 3.0 with the web user interface. However, most of these features are scheduled for the next release.

The following features are currently NOT supported in web user interface; however, they are fully functional in the “Java Swing” user interface:

- | | |
|---|--|
| • Accounting(Tree Maintenance, Generate Charges, Account element, Accounting dimensions, Accounting Combinations, Posted button, GL Journals, Product Costs, Accounting Schema) | • Resource Info Windows, Schedule Info Windows, Account Viewer Info Window |
| • Performance Indicators, Translation windows, Payment selection (manual), Payment Print/export | • Initial Tenant Setup |
| • Ad hoc checks for payment disbursement | • Email UI documents |
| • The ability to optionally display Advanced Tabs | • Resource Assignment |
| • Ability to display Accounting Tabs | • Personal lock |
| • Accounting Fact Balance Reports, Accounting Fact Details Reports | • Sort records in grid view. |
| | • Archive Viewer |
| | • Ability to print mass shipments |
| | • General Work Flows |
| | • Work Flow Editor |

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

If you plan to use the Internet Explorer 7.0 Browser, be sure to turn on the following options:

- Under Tools> Internet Options> From the General Tab, open the Tab settings.
- Enable the option for “Always switch to new tabs when they are created.”
- Verify the option “A new tab in the current window” is enabled.

For more information on Compiere Release 3.0 please visit the following website:

<http://www.compiere.com/products/new-compiere-erp-3.php>

Known Issues in the Migration Process

Warnings and Error Messages you may see during the Migration steps

Migration Issues – Warning/Error Messages	Database	Solution
ORA-00001: unique constraint .. violated	All	This is an acceptable warning message.
ORA-01408: such column list already indexed	All	This is an acceptable warning message.
ORA-01440: column to be modified must be empty to decrease precision or scale	All	This is an acceptable warning message.
ORA-02296: cannot enable	All	This is an acceptable warning message.
ORA-02275: such a referential constraint already exists	All	This is an acceptable warning message.
ALTER TABLE S_ResourceType MODIFY ChargeableQty NUMBER(10) DEFAULT NULL Failed sql statements ERROR: cannot alter type of a column used by a view or rule Detail: rule _RETURN on view rv_asset_delivery depends on column "lot" - ALTER TABLE A_Asset_Delivery ALTER Lot TYPE VARCHAR(255) , ALTER Lot SET DEFAULT NULL	Enterprise DB	This is an acceptable warning message.
Component migration not needed Unable to get migration steps WorkerData - java.lang.NullPointerException Unable to execute postgres/oracle function scripts Failed to run function scripts sql No component migration needed	All	Always select the Core component when installing any additional components.

Known Issues in the Install Process

Warnings and Error Messages you may see during the Import steps

Install Issues – Warning/Error Messages	Database	Solution
-----> g.a: DROP SEQUENCE T_Spool_Seq -----> g.a: ORA-02289: sequence does not exist	All	This is an acceptable warning message.
-----> DB_PostgreSQL.convertStatement: Convert error! Converted statement Number=2 (CREATE OR REPLACE VIEW ...	Enterprise DB	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) at oracle.jdbc.driver.T4CTTloer.processError(T4CTTloer.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 10:28:18.471 Compiere.startup: Client lap-dv-1/192.168.17.199: C:\Compiere2 -	All	No effect on the functionality. You may ignore this error.

Java HotSpot(TM) Client VM 1.5.0_12-b04 - Windows XP 5.1 Service Pack 2 [15]
Exception in thread "AWT-EventQueue-0" java.lang.NullPointerException
at
javax.swing.plaf.basic.BasicProgressBarUI.getPreferredSize(BasicProgressBarUI.java:759)
at javax.swing.JComponent.getPreferredSize(JComponent.java:1624)
at java.awt.BorderLayout.layoutContainer(BorderLayout.java:792)
at java.awt.Container.layout(Container.java:1401)
at java.awt.Container.doLayout(Container.java:1390)
at java.awt.Container.validateTree(Container.java:1473)
at java.awt.Container.validateTree(Container.java:1480)
at java.awt.Container.validateTree(Container.java:1480)
at java.awt.Container.validateTree(Container.java:1480)
at java.awt.Container.validateTree(Container.java:1480)
at java.awt.Container.validateTree(Container.java:1480)
at java.awt.Container.validateTree(Container.java:1480)
at java.awt.Container.validate(Container.java:1448)
at
javax.swing.RepaintManager.validateInvalidComponents(RepaintManager.java:379)
at
javax.swing.SystemEventQueueUtilities\$ComponentWorkRequest.run(SystemEventQueueUtilities.java:113)
at java.awt.event.InvocationEvent.dispatch(InvocationEvent.java:209)
at java.awt.EventQueue.dispatchEvent(EventQueue.java:461)
at
java.awt.EventDispatchThread.pumpOneEventForHierarchy(EventDispatchThread.java:242)
at
java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:163)
at
java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:157)
at
java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:149)
at java.awt.EventDispatchThread.run(EventDispatchThread.java:110)

Fixed Issues for 3.0

The following is a list of the issues that have been fixed in the 3.0 release.

Sourceforge Bug Number	Description
<u>1162731</u>	Ensure that weight and volume are imported in Import Product
<u>1178931</u>	Dynamic validated combobox requires 2 clicks - The values for not-mandatory, dynamic validated fields, do not appear at the first click on the combo box.
<u>1179340</u>	End Window after BP search canceled from Document - Have to use the "close window" x to actually getout of the screen.
<u>1180613</u>	Purchase Order Line to PO Zoom - The Sales Order window appears instead of Purchase Order window when you try to zoom at the P.O. line.
<u>1186725</u>	Zoom to C_Project table - Zooming to a record in C_Project table (from a workflow, for example) always opens Project(Service) window, even if the project is not a service one.
<u>1257246</u>	Currency Rate – Copying records - use edit/copy to create the another rate for same currency pair, and the "to currency" box is set to blank. When you then select the "to currency" it remains "pink" and will not save.
<u>1261010</u>	Reversing Bank Statement with payment - Create a AR Payment, complete it, create a bank statement. "Create From" to link to the previous payment, reverse the bank statement. Create a new bank statement,. use "Create From" to select the payment. When you return you receive a message about Oracle Constraint being violated.
<u>1261080</u>	Vendor invoices Created From receipt : Reversed Receipts You should see both original and reversed receipt on the "Create From" popup screen
<u>1314095</u>	Error when changing to currency in currency rate.
<u>1340313</u>	Sales Order – Product Search too slow
<u>1346274</u>	253a Migration AD_Changelog - During the migration the migration tool stopped responding while trying to delete columns for which AD_Changelog entries existed.
<u>1346277</u>	253a migration AD_WF_NodeNext - During the migration, an error occured on the AD_WF_NodeNext table (data content).
<u>1353885</u>	Role/Process – limiting access – Workflow process explanation
<u>1357132</u>	Assigning a request to a Role - When I generate a request, I have to select a Sales Rep who is supposed to handle the request. And then I assign a role to the request. Nothing happen, the request is still assigned to the Sales Rep, and none of the user with the role is assigned to the request.
<u>1358748</u>	Voided Payment – bank statement - voided payments were not shown in the "Create Lines From" dialog in Bank Statement window.
<u>1378924</u>	Label on the process button is incorrect - When you complete a quotation, the label on the process button remains at complete, it should be close.
<u>1427864</u>	Only single serial numbers print on shipments - No selection of the serial number at order time will not print on the shipment document
<u>1431337</u>	Auto Invoice(Credit Memo) when short shipped
<u>1436495</u>	Zooming to high volume window from report brings up Search Window.
<u>1437869</u>	Close/Abort Email dialog box will not close w/ the X button near the "OK" button.
<u>1441788</u>	Consolidated Invoice/Tax Line no = 9999 – issue when more than 10 orders consolidated to a single invoice.
<u>1445244</u>	Returned to wrong page after updating request in self service
<u>1445250</u>	Copy Record should not copy the key
<u>1462238</u>	InvoiceOpen Function Result Incorrect w/ invoice schedules and partial payment
<u>1466077</u>	Product Info Qty on hand – Zero qty shows if no warehouse selected
<u>1467526</u>	Can't print Date/time field in report - the time component is always 00:00:00.
<u>1468933</u>	Voided Bank Statement Opening balance is not adjusted

Sourceforge Bug Number	Description
<u>1472842</u>	Dropdown refresh on BP location in document lines
<u>1481416</u>	Locator not updated in shipment of Instance Attribute Product
<u>1481498</u>	Shipment Line, locators not filtered – based on stock availability
<u>1484359</u>	Locators not displayed for manual shipments of lot controlled products
<u>1498878</u>	Windows Access Security – Still able to access certain windows even though the Active and Read/Write boxes are unchecked
<u>1515843</u>	Copy Record copies the IsPosted flag on Invoices.
<u>1517963</u>	Invoice Customer, Copy Lines from –taxes are copied not recalculated
<u>1518084</u>	Qty incorrect when deactivating product
<u>1529707</u>	Print Invoices Process includes drafted documents
<u>1531267</u>	Commission lines not copied when copying from another sales rep.
<u>1535824</u>	Sales Order – filtering on Invoiced is not working correctly
<u>1537155</u>	Created not record lookup selection criteria.
<u>1550021</u>	Oracle error generated when deleting All lines from a Bank Statement
<u>1557575</u>	Verify BOM Process Fails for valid BOMs.
<u>1559010</u>	Order Type of Quote allows manual shipment
<u>1564927</u>	GL Journal does not account for Qty
<u>1567690</u>	Create Vendor Invoice from PO Different Orgs - The org in the Inv Lines seems to default from the invoice header org when should be from the PO lines Org(s)
<u>1586947</u>	Cash Journal does not create Bank Statement Line
<u>1590294</u>	Payment of invoice in Web Store not allocated.
<u>1602467</u>	Generate Invoices combines invoices with different payment terms.
<u>1614516</u>	Payment Alloc posting after reversing payment - Posted documents with (incorrect) zero accounted amount in a 260a.
<u>1627691</u>	Import BPartner Phone - ImportBPartner.java has an error at line 428 and 467:
<u>1635571</u>	Posting Error Source Not Balanced (inv matching)
<u>1641401</u>	Cannot customize Unallocated payments report (Non English)
<u>1648909</u>	In the accounting fact details and accounting fact balances windows the reports (ALT+R) show all records
<u>1667558</u>	Any User can reset passwords
<u>1671044</u>	Description not updated in BP import
<u>1671270</u>	Be able to schedule a process or a report to run at a specific time of the day.
<u>1672591</u>	Request not sending email to new assignee
<u>1674421</u>	Discount is not re-evaluated if the date on payment is changed
<u>1709362</u>	Migration 2.6.1 doesn't complete if not SuperUser - You need to log in after migration as System Admin role to run all scripts
<u>1709680</u>	Payment Selection Export Should Contain Bank Info
<u>1709741</u>	Payment Selection Export allows illegal characters
<u>1710029</u>	Template Validation shows no templates
<u>1712176</u>	Exposed Information – Security Risk
<u>1712466</u>	Bank Statement 'create lines from' displays reversal payment but not original
<u>1712639</u>	Import Order should allow over-riding stocking UOM
<u>1714119</u>	Import Invoice with Tax Inclusive price - tax is added onto order
<u>1715738</u>	Bill to Partner on sales orders set to Ship to Partner after migrating to 2.6.1.
<u>1716982</u>	WebUtil.sendEMail method the variable "String hdr" is not initialized with the correct value.
<u>1718278</u>	Allow multiple servers separated by “,”
<u>1719401</u>	Locator cannot be selected in Inventory Move

Sourceforge Bug Number	Description
<u>1719931</u>	When the journal header date is changed lines should be changed
<u>1720003</u>	Summary tax is used in reversed document not the derived taxes that are in the original document.
<u>1720543</u>	MPriceList.getDefault does not consider IsSOPPriceList
<u>1724017</u>	Payment Rule is not defaulting for generated documents.
<u>1722916</u>	SQL Error when you create an Invoice from a Receipt in any language but English.
<u>1724252</u>	Order/InvoiceShould display the currency type, along with the amount.
<u>1727557</u>	Print Preview – Scrolling issue
<u>1733088</u>	Provide the ability to import a request.
<u>1733025</u>	Project line error – costing issue
<u>1733123</u>	Document can be completed without a required field (Sales Rep)
<u>1733130</u>	Cannot create new locator in locator dialog
<u>1739580</u>	Unable to enter multiple search criteria in Advanced Search
<u>1740038</u>	Cannot make full payment for invoice if it is eligible for a discount
<u>1740212</u>	Report from Purchase Order Line displays a report called Sales Order Line.
<u>1741197</u>	Bank statement is not retrieving the correct beginning balance
<u>1756569</u>	Incorrect contact used in Order when selected from search window
<u>1750251</u>	Multiple material transactions are created when only a single Internal Use Inventory line is processed.
<u>1788296</u>	Long Text is not loaded into UI from EnterpriseDB
<u>1774430</u>	BP window
<u>1783696</u>	Calendar corruption
<u>1571919</u>	Create Product type Service defaults to "Stocked"
<u>1760335</u>	CM Validation Error
<u>1621621</u>	CM Content doesn't convert p to br correctly
<u>1586755</u>	Wrong Local Media Path
<u>1771554</u>	Button for direct Deploy of media does not work
<u>1760435</u>	CM Wiki Tokens Missing in current release
<u>1685915</u>	Payment print/export : Drop-down box is too small
<u>1778282</u>	Physical Inventory
<u>1791655</u>	Not able to create new columns on EnterpriseDB
<u>1742725</u>	User is able to create sales order record for the inactive Business Partner
<u>1742731</u>	Physical inventory selecting records from other org's warehouse
<u>1742727</u>	In the Physical inventory window, system does not reset cache
<u>1759416</u>	Open Balance/credit used error?
<u>1771207</u>	update book qty when book qty = 0
<u>1802121</u>	display Type for button fields / find window
<u>1780842</u>	GL Journal Date change error?
<u>1773776</u>	Order Reference reset when different invoice to BP used
<u>1763808</u>	Security access error displays two time
<u>1718381</u>	Bank statement line account date/rate problem
<u>1465125</u>	Payment Allocation doesn't filter invoices by security org.
<u>1770108</u>	Document not saved – due to toggle screen.
<u>1780826</u>	GL Journal Line report
<u>1503219</u>	Shipment Customer - picks up invoice addr not ship-to addr
<u>1768481</u>	Replenish Report-the field"Document Type" display ID

Sourceforge Bug Number	Description
<u>1818561</u>	webstart & j2se version & JdbcRowSetResourceBundle
<u>1816414</u>	error - representative on new BP
<u>1802121</u>	display Type for button fields / find window
<u>1800811</u>	Lookup Record - Changes in 263
<u>1793828</u>	Workflow unable to terminate
<u>1791655</u>	Not able to create new columns on EnterpriseDB
<u>1839596</u>	Saved query in report lookup window
<u>1751029</u>	PrintFormat Privileges
<u>1465125</u>	Payment Allocation doesn't filter invoices by security org.
<u>1590294</u>	Payment of invoice in Web Store not allocated.
<u>1602467</u>	Generate Invoices combines invoices with different payment terms.
<u>1614516</u>	Payment Alloc posting after reversing payment - Posted documents with (incorrect) zero accounted amount in a 260a.
<u>1627691</u>	Import BPartner Phone - ImportBPartner.java has an error at line 428 and 467:
<u>1635571</u>	Posting Error Source Not Balanced (inv matching)
<u>1641401</u>	Cannot customize Unallocated payments report (Non English)
<u>1648909</u>	In the accounting fact details and accounting fact balances windows the reports (ALT+R) show all records
<u>1667558</u>	Any User can reset passwords
<u>1671044</u>	Description not updated in BP import
<u>1671270</u>	Be able to schedule a process or a report to run at a specific time of the day.
<u>1672591</u>	Request not sending email to new assignee
<u>1674421</u>	Discount is not re-evaluated if the date on payment is changed
<u>1709362</u>	Migration 2.6.1 doesn't complete if not SuperUser - You need to log in after migration as System Admin role to run all scripts
<u>1709680</u>	Payment Selection Export Should Contain Bank Info
<u>1709741</u>	Payment Selection Export allows illegal characters
<u>1710029</u>	Template Validation shows no templates
<u>1712176</u>	Exposed Information – Security Risk
<u>1712466</u>	Bank Statement 'create lines from' displays reversal payment but not original
<u>1712639</u>	Import Order should allow over-riding stocking UOM
<u>1714119</u>	Import Invoice with Tax Inclusive price - tax is added onto order
<u>1715738</u>	Bill to Partner on sales orders set to Ship to Partner after migrating to 2.6.1.
<u>1716982</u>	WebUtil.sendEMail method the variable "String hdr" is not initialized with the correct value.
<u>1718278</u>	Allow multiple servers separated by “,”
<u>1818270</u>	263 migration issue - maintain changelog reset to N?

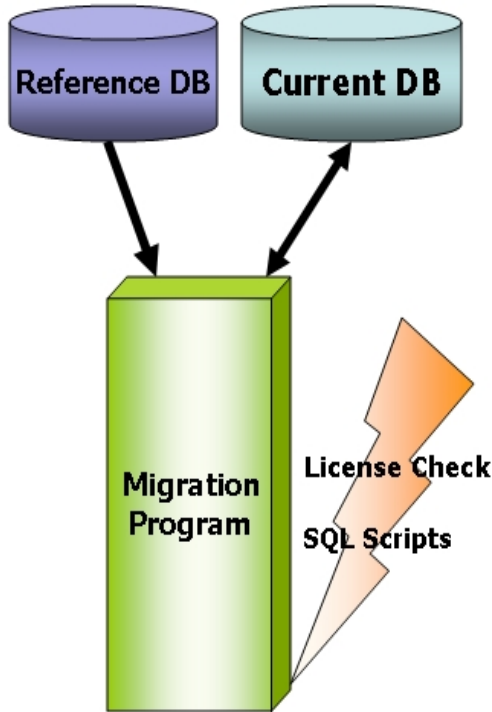
Appendix A

Compiere Service 3.0 – Migration Instructions

Compiere Service Pack Migration Instructions

Prerequisites

- A valid Support contract
- Sun Java 1.5.0 (SDK) – also known as Sun Java JDK (not just JRE)
- Database Oracle 10gR2 (XE, Standard or Enterprise) or EnterpriseDB 8.2



Migration

The Compiere Migration Management solution allows the following:

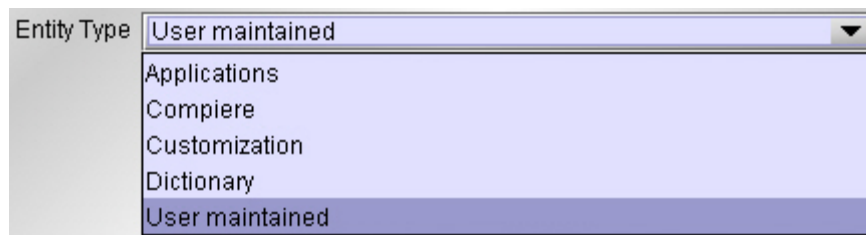
- Migrate from any release to the 3.0 release.

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

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

Preserving Customizations

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



- In the Change Audit window, mark the changes as Customizations before running the migration.
Tip: Alternatively, changes may be applied manually.
- Before performing the migration, run it in the test mode to ensure all customizations will be preserved.

Migration Steps

Migration Consists of the Following steps:

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

Preparation

Use the following steps to prepare for the Migration:

- Server needs to have access to the Internet.
- Stop the application server by executing `utils/RUN_Server2Stop`
- Backup the database

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) Delete the existing jboss subdirectory only if the current version is prior to 2.5.3 (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 select the components that you wish to migrate. 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.

Compiere Core 3.0.0 is the main component with the core functionality which has been available since previous releases, but now with the enhancements for the new release. A new feature was added with this release to allow you to install additional components which can be provided directly by Compiere or by any of our authorized partners.

The screenshot shows the 'Compiere Server Setup' window. It has a menu bar with 'File' and 'Help'. The configuration fields are as follows:

- Java Home: c:\Program Files\Java\jdk1.5.0_12 (with a green checkmark icon)
- Java VM: sun (dropdown menu)
- Compiere Home: C:\Compiere2 (with a green checkmark icon)
- KeyStore Password: ***** (with a green checkmark icon)
- Application Server: lap-fr (with a green checkmark icon)
- Server Type: jboss (dropdown menu)
- Deployment: C:\Compiere2\jboss\server\conf (with a green checkmark icon)
- JNP Port: 1099 (with a green checkmark icon)
- Web Port: 80 (with a green checkmark icon)
- SSL: 443 (with a green checkmark icon)
- Database Server: lap-fr (with a green checkmark icon)
- Database Type: oracleXE (dropdown menu)
- Database Name: xe (with a green checkmark icon)
- Database Search: xe (dropdown menu)
- Database Port: 1521
- System Password: ** (with a red error icon)
- Database User: compiere
- Database Password: ***** (with a green checkmark icon)
- Mail Server: lap-fr (with a green checkmark icon)
- Admin Email: (empty field)
- Mail User: (empty field)
- Mail Password: (empty field) (with a green checkmark icon)

The 'Select Components' section shows two components selected:

- Compiere Core 3.0.0 (Requires accepting License) (with a green checkmark icon)
- Compiere Professional 1.01 (Requires accepting License) (with a green checkmark icon)

The 'Test' button is highlighted with a red box. The 'Save' button is also visible. The status bar at the bottom says 'Database Server'.

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

- 3) Next, read and accept the license agreement.
Hint: You might get more than one license agreement, depending on the components that you are installing.

The screenshot shows the 'Compiere Core 3.0.0 - License Agreement' window. The title bar says 'Compiere Core 3.0.0 - License Agreement'. The main text is:

COMPIERE PUBLIC LICENSE

Version 1.4

This Compiere Public License does not apply if you are subscribing to the Compiere Professional Edition 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

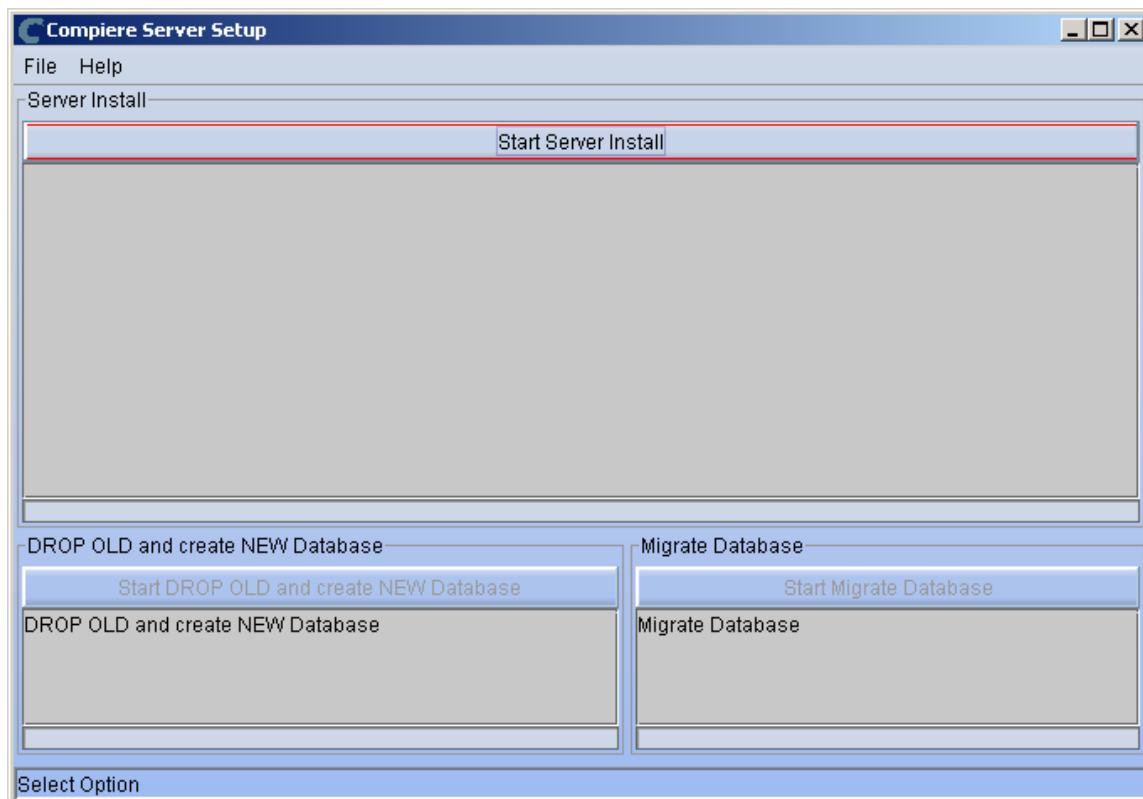
Do you accept the License ? ☐ No ☒ Yes, I Understand and Accept

- 4) Then click on OK to accept the default security key file settings. If you had already applied the service pack 2.6.3 you won't see this window.

Tip: Remember to create a backup the file lib/CompiereSecure.dat in store it in a secure location.



- 5) Click on Start Server Install.



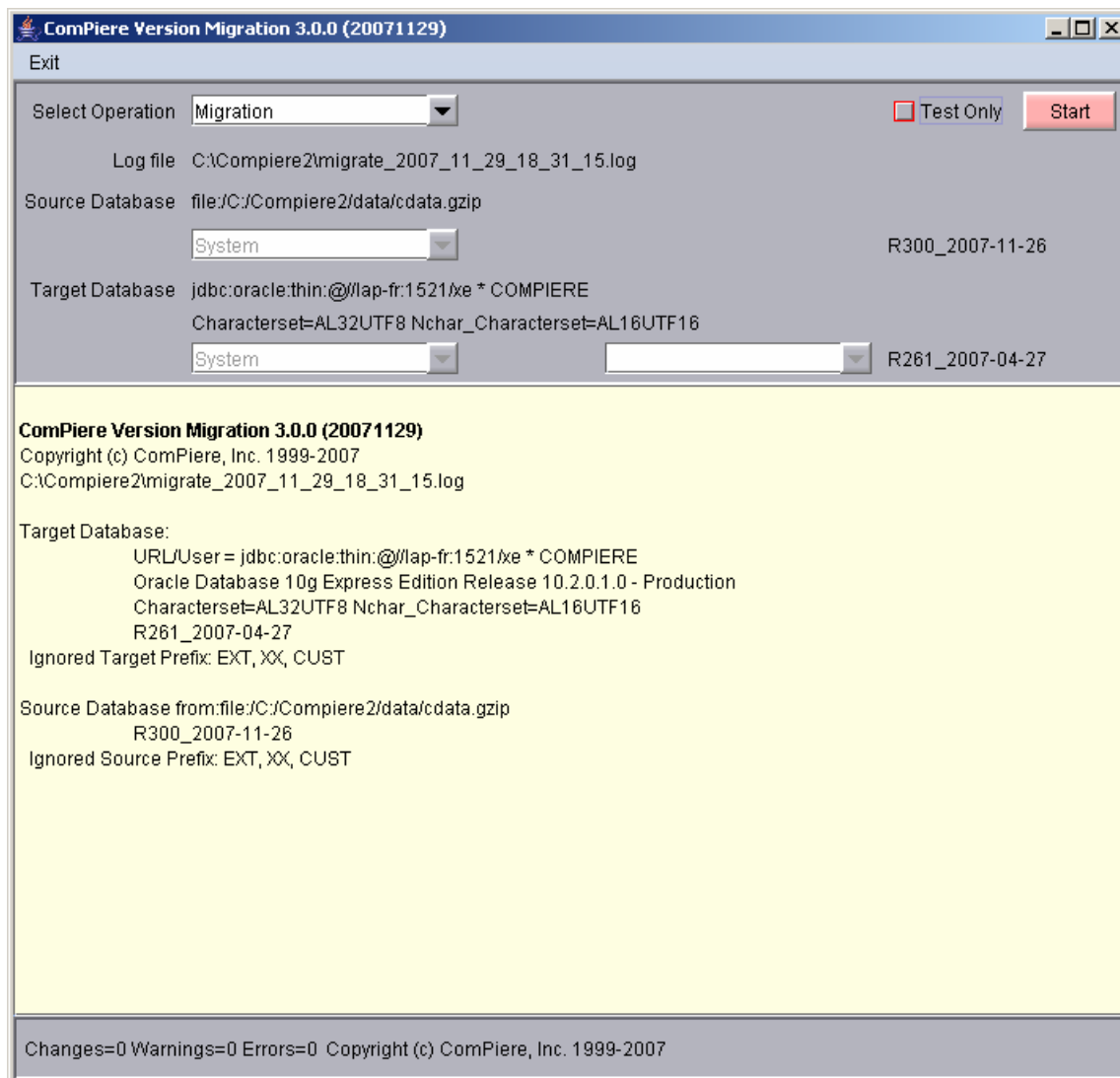
- 6) When the Server Install has completed click on Start Migrate Database.
- 7) Provide the following information exactly as it was registered in the Compiere Web store and click Check License to validate your asset information (Note: This information may already be populated if it was entered in the system window)

- System Name
- Registered Email
- Password

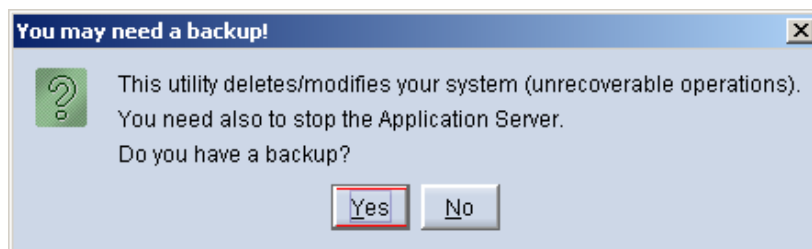
- 8) Click on “Start Migration” notice that this option has replaced the script RUN_Migrate.bat which does not need to be used anymore.

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

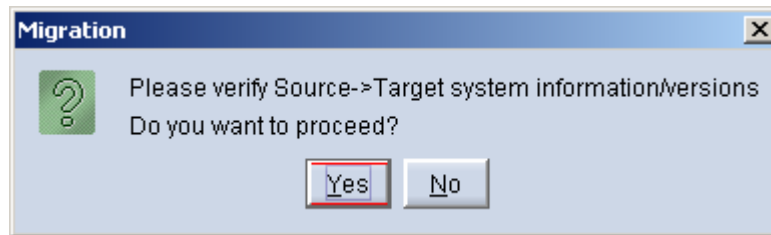
10) Unselect the “Test Only” option, and click Start.



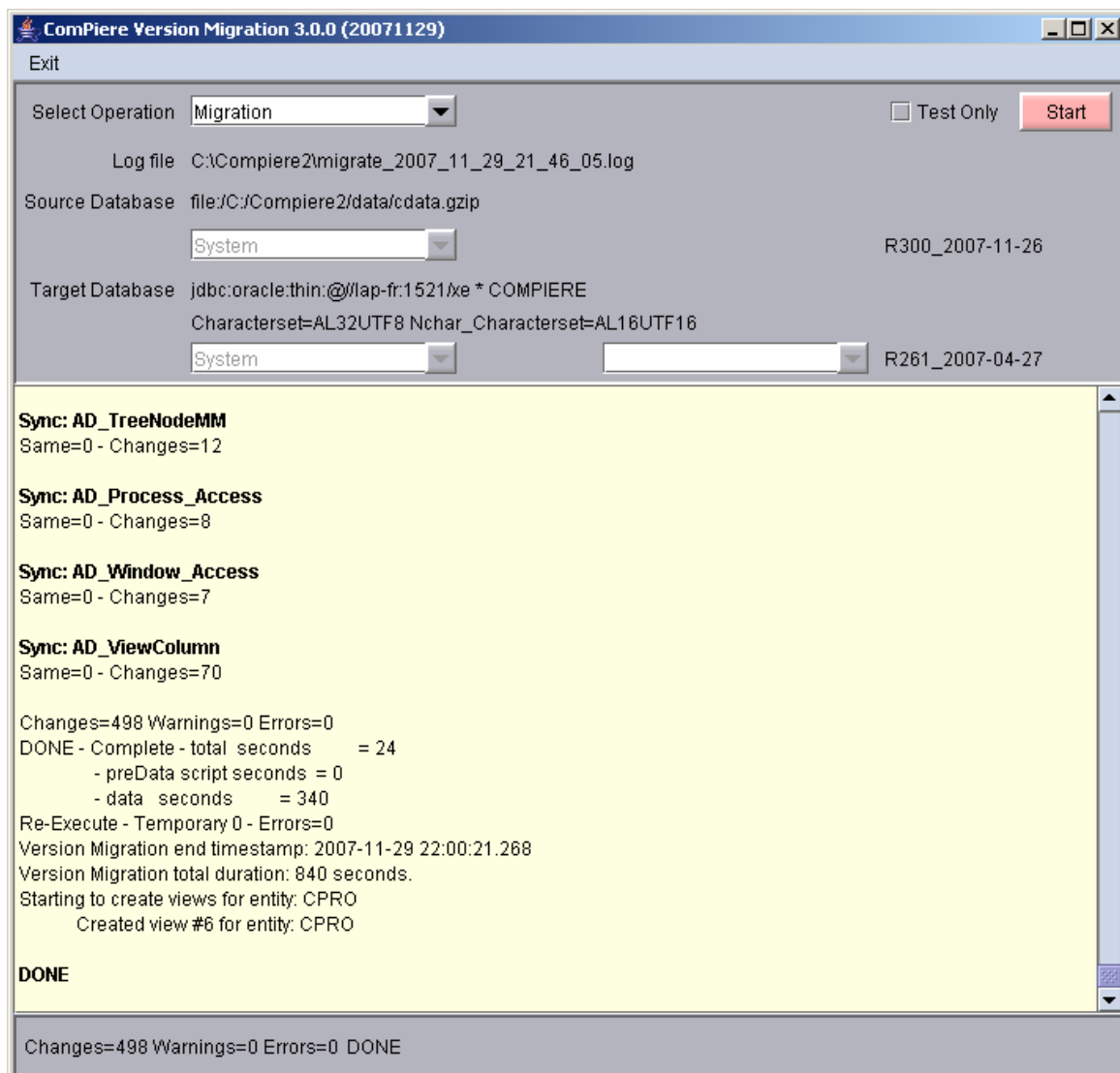
11) Confirm that you have a current back up of your database



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



- 13) Verify that the migration finish with no errors



- 14) If you have a Compiere Professional Edition license or a free trial license, execute **utils/RUN_Support** and click “Check License” to continue.

Tip: There is no need to click the start migration button.

Compiere Support 3.0.0

System Name: My System

Registered Email: user@compiere.org

Support Email:

Target URL: jdbc:oracle:thin:@//lap-fr:1521/x

Support Expires: 2010-12-31 00:00:00.0

System Status: Evaluation

Password: *****

Support Units: 0

Supported Users:

Support Level:

☐ Existing Support Contract

Source URL: file:/C:/Compiere2/data/compie reference reference

Core: Licensed (pdf licensed), Expires 12/31/2010 (in 1128 days), Seats: 1, Status: U
Compiere Professional: Not Licensed

Check entries and press OK to submit.

Start Migration X Check License

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

Compiere Support 3.0.0

System Name: My System

Registered Email: user@compiere.org

Support Email:

Target URL: jdbc:oracle:thin:@//lap-fr:1521/x

Support Expires: 2010-12-31 00:00:00.0

System Status: Evaluation

Password: *****

Support Units: 0

Supported Users:

Support Level:

☐ Existing Support Contract

Source URL: file:/C:/Compiere2/data/compie reference reference

Core: Licensed (pdf licensed), Expires 12/31/2010 (in 1128 days), Seats: 1, Status: U
Compiere Professional: Compliant, Expires 12/31/2010 (in 1128 days)

Contacting Compiere Support ...
Core Information updated.
Compiere Professional Information updated.

Start Migration X Check License

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

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

Post Migration Steps for RMA/RTV

Compiere now has explicit return transactions. We discontinued the previously seeded "Return Material" functionality. Only if you plan to use the new returns functionality, in the "Document Type" window you need to change 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 3.0 – New Installation Instructions

Compiere 3.0 New 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 10gR2 or later (Oracle 10gR1 is not supported) XE, Standard or Enterprise Editions or EnterpriseDB 8.2.

Tip: It is highly recommended to use a Unicode character set

- Database approved Linux Operating System, Windows 2003 or Windows XP
- Disk Space: > 5 GB (includes database)
- Swap Space: > 1GB
- Memory: > 512 MB - Recommended: > 1 GB
- TCP/IP connection
- Network setup with DNS server and a domain. Do not use IP addresses.

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

Database Installation

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

Java Installation

1. Download and install [Sun Java 1.5.0](#) (SDK) – also known as Sun Java JDK, Update 12, or a later version of Java 1.5.
Tip: The Compiere Server requires the SDK (not just JRE).

Download Compiere

2. Install /Setup Compiere Server (this includes the Client as well)
 - 1) Download the current version of Compiere: [Download Compiere](#). (3.0 or higher)
 - 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 on Windows, right click on My Computer and choose Properties. Go to the advanced tab and click on Environment Variables. Find the PATH variable and click Edit

- 4) Execute the script \$COMPIERE_HOME/RUN_Setup.
Note: if the following window does not display, please ensure that the following are updated.
 - Add the bin folder where you have installed JKD 1.5 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\jdk1.5.0_12')
 - Set the **COMPIERE_HOME** system variable to the path of your Compiere installation (e.g., 'C:\Compiere2')

- 5) Select Database Type Oracle XE, Oracle (for Standard or Enterprise Editions) or PostgreSQL (for EnterpriseDB).
- 6) For System Password, enter the System database User password.
- 7) For Database Password, enter the database user password, (i.e. 'compiere')
- 8) 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.
- 9) Enter or update any other parameters as necessary.

The screenshot shows the 'Compiere Server Setup' window. The 'Java Home' field is highlighted with a red box and contains 'c:\Program Files\Java\jdk1.5.0'. Other fields include 'Compiere Home' (C:\Compiere2), 'Application Server' (lap-fr), 'Deployment' (C:\Compiere2\jboss\server\co), 'Web Port' (80), 'Database Server' (lap-fr), 'Database Name' (xe), 'Database Port' (1521), 'Database User' (compiere), 'Mail Server' (lap-fr), 'Mail User' (empty), 'Mail Password' (empty), 'System Password' (*****), 'Database Password' (*****), 'Admin Email' (empty), 'Mail Password' (empty), 'Server Type' (jboss), 'JNP Port' (1099), 'SSL' (443), 'Database Type' (oracleXE), 'Database Search' (xe), and 'Select Components' (Compiere Core 3.0.0 (Requires accepting License), Compiere Professional 1.01 (Requires accepting License)). The 'Test' button is highlighted with a red box.

- 10) Select the Components that you want to install. Compiere Core 3.0 is the main component that must always be installed, but you may choose additional components provided by Compiere or any of our authorized partners.

Note: To install additional components after you have already installed or migrated to the latest Compiere Core version, you must select the Compiere Core component plus any additional components that you wish to install, and then run Migration.

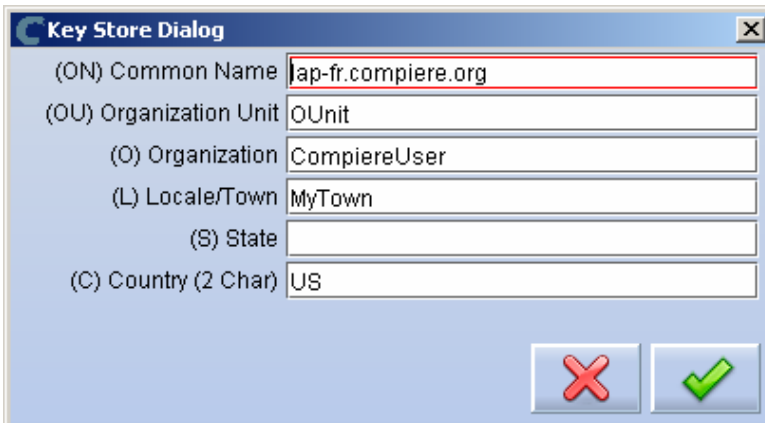
- 11) Select the Help button, for information on any field.
- 12) Select the Test button to check the parameters.
Tip: The parameters will only save after they have been verified.
- 13) If an entry is unverifiable, it will display with a red X. Correct the entry and re-select Test/Save.
- 14) Once all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

The screenshot shows the 'Compiere Server Setup' window with green checkmarks next to the 'Java Home', 'Compiere Home', 'Application Server', 'Deployment', 'Web Port', 'Database Server', 'Mail Server', 'System Password', 'Database Password', 'Admin Email', 'Mail Password', 'Server Type', 'JNP Port', 'SSL', 'Database Type', 'Database Search', and 'Select Components' fields. The 'Test' button is highlighted with a red box.

- 15) At the prompt enter your company information as appropriate and verify that the common name is the address of your application server.

Hint: This information is used to create a certificate request which could be sent to a security vendor or (by default) used to create the self signed certificate.

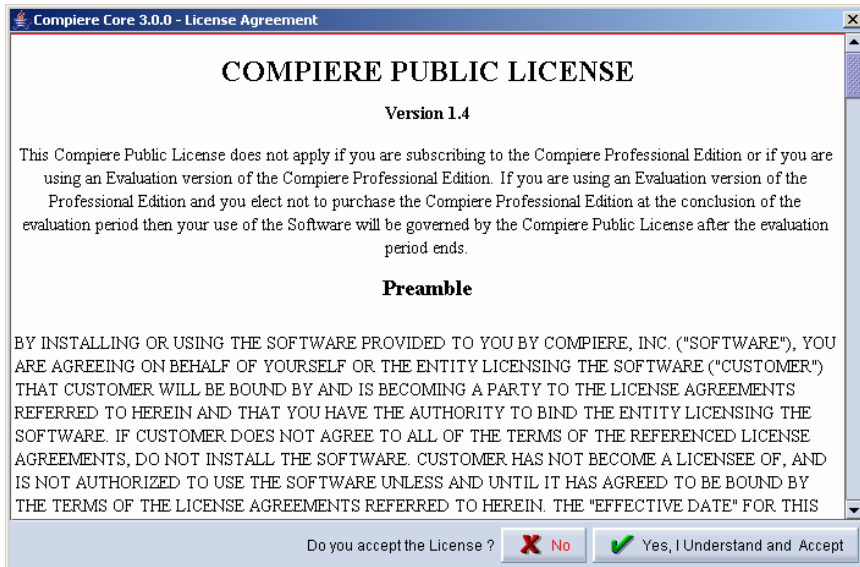
- 16) Once all fields are complete, click OK to continue.



A screenshot of the 'Key Store Dialog' window. It contains several text input fields with labels: '(ON) Common Name' (value: 'lap-fr.compiere.org'), '(OU) Organization Unit' (value: 'OUnit'), '(O) Organization' (value: 'CompiereUser'), '(L) Locale/Town' (value: 'MyTown'), '(S) State' (empty), and '(C) Country (2 Char)' (value: 'US'). At the bottom right are two buttons: a red 'X' (Cancel) and a green checkmark (OK).

- 17) Next, read and accept the license agreement.

Hint: You might get more than one license agreement, depending on the components that you are installing.



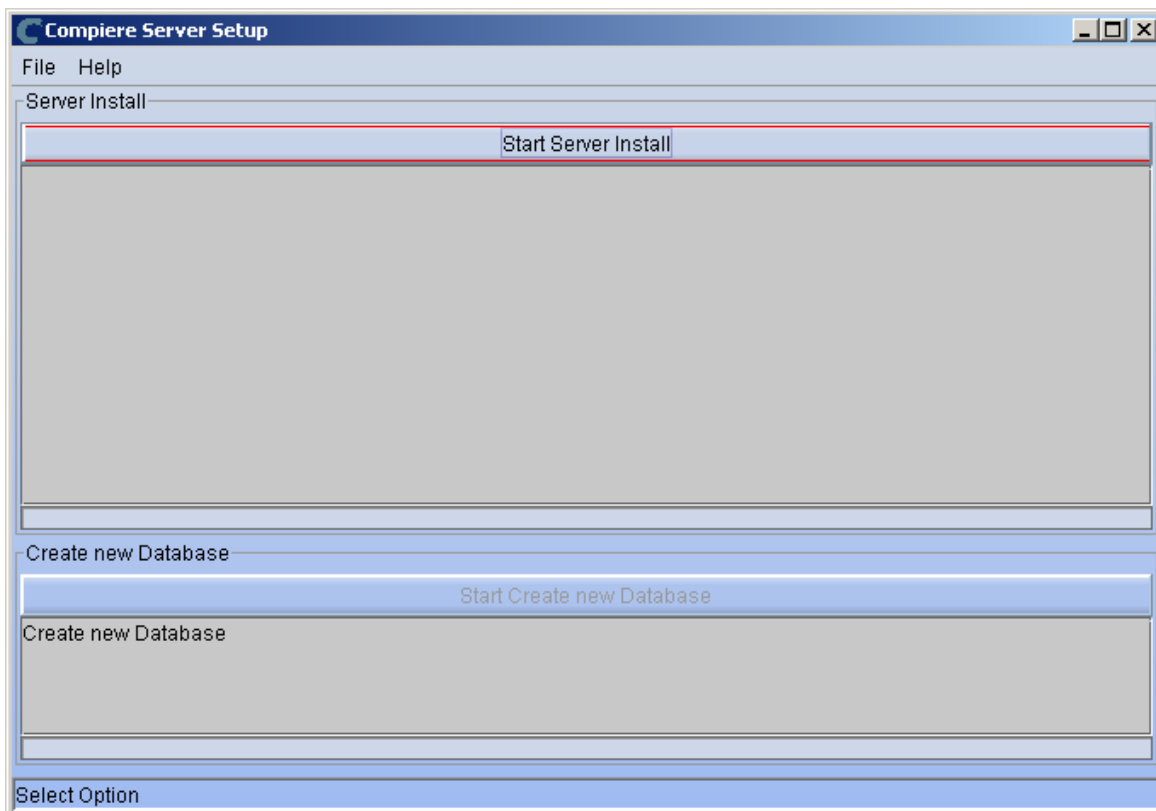
A screenshot of the 'Compiere Core 3.0.0 - License Agreement' window. The title bar says 'Compiere Core 3.0.0 - License Agreement'. The main text reads: 'COMPIERE PUBLIC LICENSE', 'Version 1.4', and a paragraph stating that the license applies to evaluation versions of the software. Below this is a 'Preamble' section with a paragraph of legal text. At the bottom, there is a question 'Do you accept the License ?' followed by two buttons: a red 'X' labeled 'No' and a green checkmark labeled 'Yes, I Understand and Accept'.

- 18) A default security key will be generated, click ok to continue.



A screenshot of the 'Compiere Server Setup' window. It features a purple information icon on the left. The text says: 'Your new Security Key (lib/CompiereSecure.dat) was created for you to be used for Encryption. Please make sure to back it up securely. If lost, you are not able to recover encrypted data.' At the bottom is an 'OK' button.

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



20) Select Start Server Install.

21) Once the Server install is complete, select 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 if you want to replace the existing database with the new database.

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

22) Verify that you see a 'Build Successful' and '***Finished' message at the end of this step.

LICENSE VALIDATION

If you only intend to use the Open Source Edition of Compiere 3.0, you may skip steps 21 and 22.

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, use the following steps to register with Compiere.

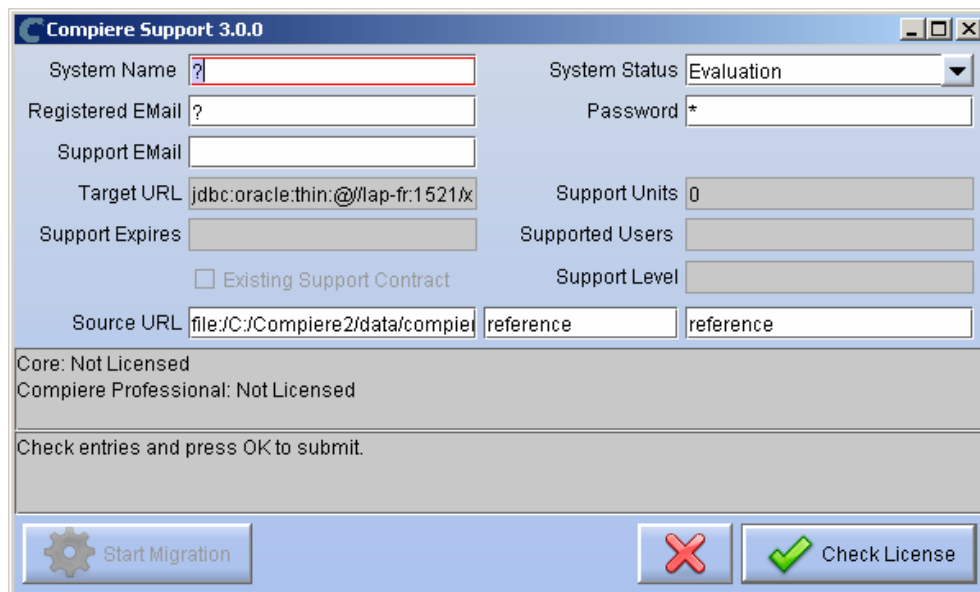
- Go to www.compiere.com/wstore, and click Login.
- If you are a new user, click 'New User' and provide the required information.
- Then Login to the web store. If you are a new user you will have to validate your e-mail address by providing the validation code that was sent to your email inbox.

23) 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)

Tip: Do not click Start Migration; click the "Check License" button.
Notice that internet access is required to validate the license information.

24) To verify your license, click the "Check License" button.



25) Review that your license information has been validated.

Compiere Support 3.0.0

System Name: System Status:

Registered Email: Password:

Support Email:

Target URL: Support Units:

Support Expires: Supported Users:

☐ Existing Support Contract Support Level:

Source URL:

Core: Licensed (pdf licensed), Expires 12/31/2010 (in 1130 days), Seats: 1, Status: U
Compiere Professional: Compliant, Expires 12/31/2010 (in 1130 days)

Contacting Compiere Support ...
Core Information updated.
Compiere Professional Information updated.

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.

26) Close the Support and the Setup windows

Complete Server Setup

3. Start the Compiere Application Server

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

Likely port conflicts:

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

Start Compiere

4. Start the Compiere Client

- 1) Start the Swing client by double clicking on the Compiere shortcut in your desktop or by executing **RUN_Compiere2** from the \$COMPIERE_HOME directory.

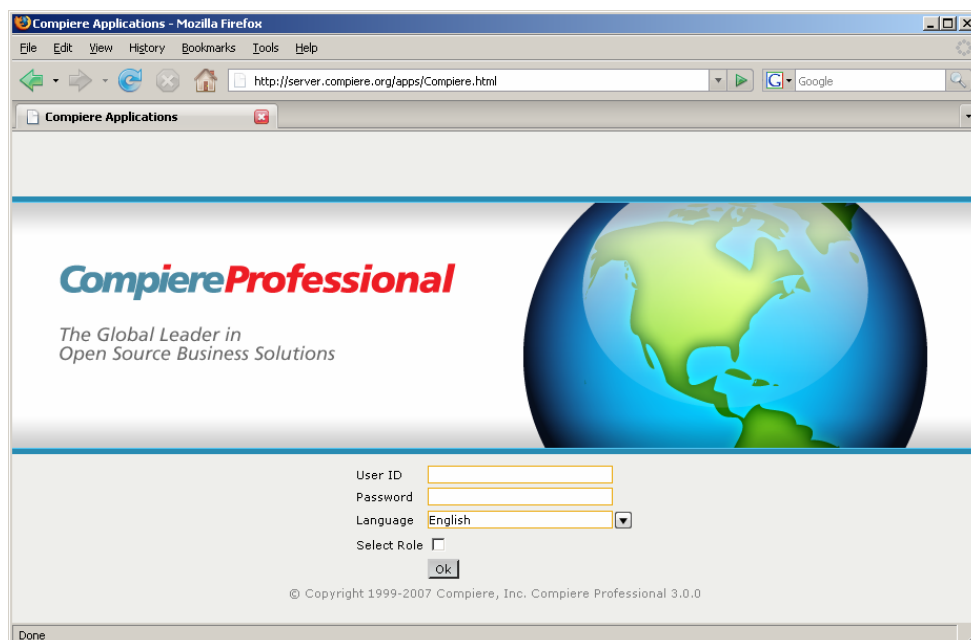
Default users and passwords for the sample Garden World application:

- | | |
|---------------------------|--------------------|
| - 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>.