



Module 1

Open Source ERP

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Module Objectives



- Describe an ERP system
- Discuss benefit of using Open Source ERP versus Commercial ERP
- Knowing ADempiere



What is ERP?



Enterprise Resource Planning,
integrated system that help business
manage internal and external
resources.

Built on a centralized database and normally utilizing
a common computing platform,

ERP systems consolidate all business operations into
a uniform and enterprise-wide system environment



Evolution of ERP



**Inventory, MRP,
Production,
Project,
Accounting, CRM,
HRM, etc.**



**ERP Cloud
FOSS ERP**

Before 1980s

1990s

2000s

Future



Accounting Software VS ERP



Accounting Software

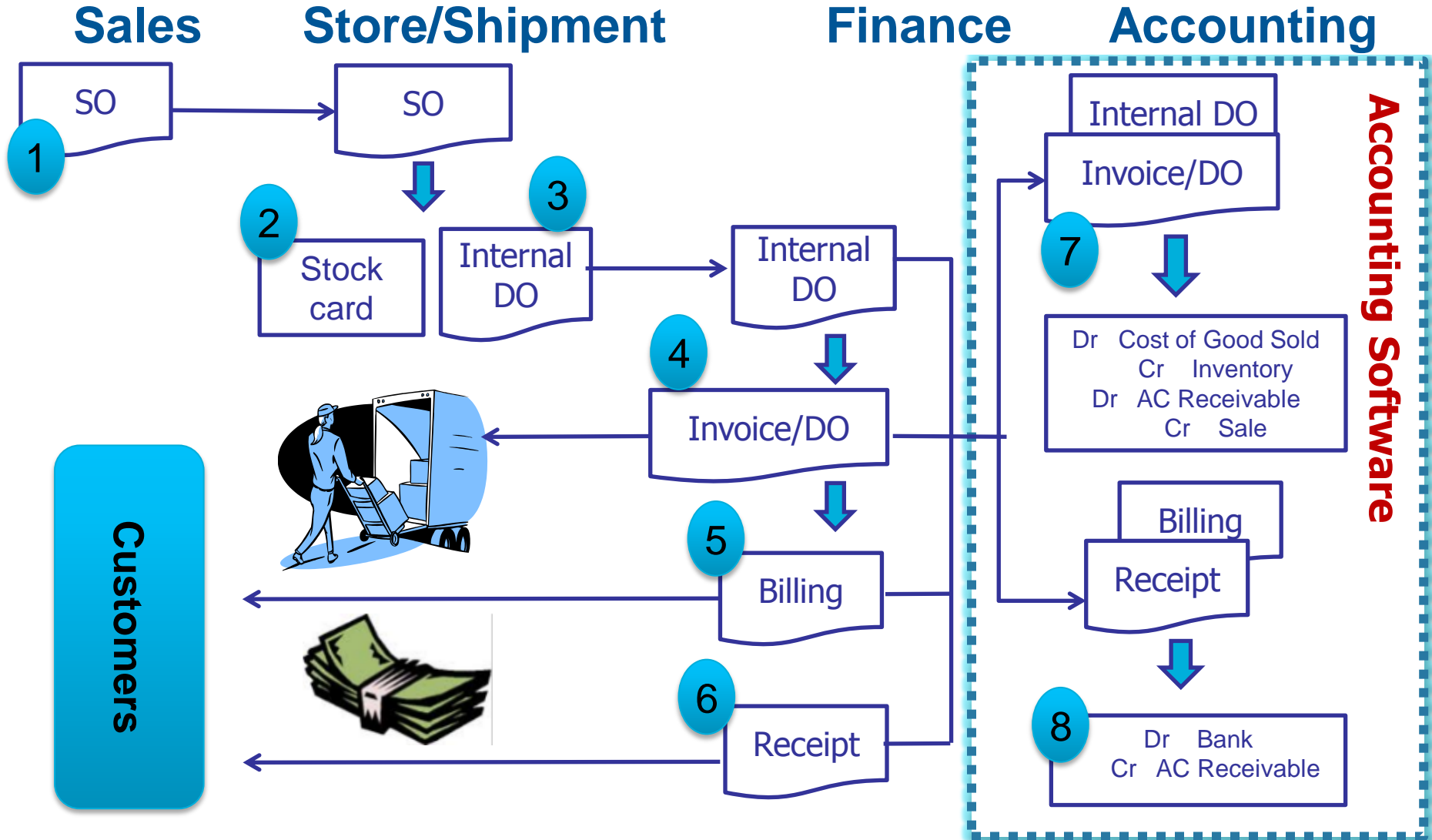
- Easy setup
- Point solution
- Document created every department
- Delayed information



ERP System

- Harder to setup, BUT
- Integrated Solution
- Shared documents
- Always real time information
- Good for Strategic Planning

Accounting Software – Sales Cycle



ERP Software – Sales Cycle

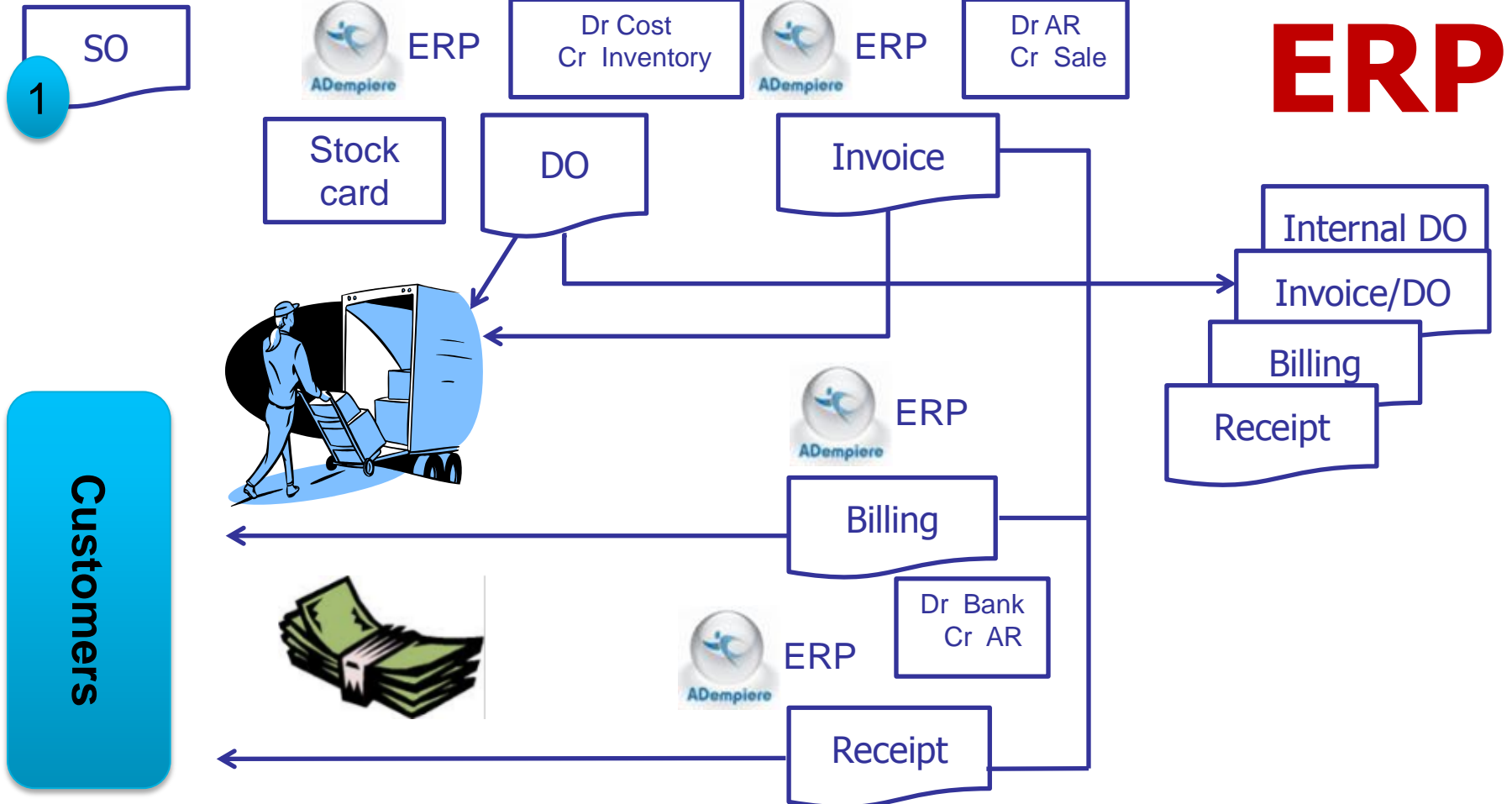


Sales

Store/Shipment

Finance

Accounting



Typical ERP Coverage



Some ERP packages exist that only cover two functions for an organization (QuickBooks: Payroll & Accounting), most ERP systems cover several functions.

Why adopt Open Source ERP?



1. **SAP / Oracle too Expensive**
2. **Open Source ERP is now Mature**
3. **Freedom you gain from License, Lock-in, Customize, etc.**



Why ADempiere ?

ADempiere is an industry strength solution that combines ERP, CRM and SCM support for business processes. As opposed to the so called "World Class" ERP solutions, ADempiere (originally based on Compiere®) was designed for the globalized world. While the current incumbent World Class ERP's had to build layers on top of the core product in order to provide support for multiple languages, currencies, companies, etc., ADempiere had them embedded from the original design.

Vibrant Community

Global Team



Robust Business Solution

Cost Advantage of Open Source ERP



| Cost | Open Source (Baht) | Proprietary (Baht) |
|-------------------|--------------------|--------------------|
| Software | Free | 10,000,000.- |
| License: 20 Users | Free | 4,000,000.- |
| DBMS: Oracle | 2,000,000.- | 2,000,000.- |
| Implement: 1 Year | 2,000,000.- | 2,000,000.- |
| Server | 400,000.- | 400,000.- |
| Total Cost | 4,400,000.- | 18,400,000 |

Enterprise Grade ERP System



The screenshot displays the ERP system interface. On the left is a navigation tree with categories: System Admin, Partner Relations, Quote-to-Invoice, and Material Management. The main window shows a 'Sales Order <80003>' form with the following fields:

- Client: GardenWorld
- Organization: HQ
- Document No: <80003>
- Order Reference: Order Reference 1234
- Description: Order Description from Business Partner Definition
- Target Document Type: POS Order
- Date Ordered: 01/08/2002
- Business Partner: C&W Construction
- Invoice Partner: C&W-C&W Construction
- Partner Location: Stamford
- Invoice Location: Stamford
- User/Contact: Carl Boss
- Invoice Contact: Carl Boss
- Warehouse: HQ Warehouse
- Price List: Standard
- Currency: USD
- Sales Representative: GardenAdmin
- Payment Rule: Check
- Promotion Code: (empty)

At the bottom of the window, there is a status bar with the text 'Update data for copied record and save or ignore' and a '+2/6' indicator.

Complete Client & Web Interface, Dashboard



The screenshot shows the ADempiere web interface. The browser address bar displays 'winxp/webui/'. The user is logged in as 'SuperUser@GardenWorld.*'. The interface includes a 'Menu' sidebar with categories like System Admin, Security, and Server. The main content area is divided into several sections: 'Favourites' with links to Menu, System Configurator, Business Partner, Sales Order, and Product; 'Views' with links to Product & Info, Business Partner Info, Account Info, Schedule Info, Order Info, Invoice Info, Shipment Info, Payment Info, Cash Journal Info, Resource Info, and Asset Info; 'Activities' showing counts for Notice (6), Request (0), and Workflow & Activities (9); a 'Calendar' for September 2010; and a 'Performance' section with four gauges: Invoice Revenue (0%), Open Invoices (41%), Service Requests (Quarter) (0%), and Total Open Service Requests (10%).

Integration to Jasper Report



The screenshot displays the iReport 3.7.5 application window. The main menu includes File, Edit, View, Format, Preview, Window, Tools, and Help. A search bar is located in the top right corner. On the left side, there is a 'Template Inspector' panel with a tree view containing 'report1' and its sub-elements: Styles, Parameters, Fields, Variables, Scriptlets, Title, Page Header, and Column Header. Below this is a 'Services' panel with 'Databases'. The central area is a 'Chart Palette' dialog box, which is open and shows a grid of various chart types. The chart types include pie charts, bar charts (grouped, stacked, 3D), line charts (area, line with markers), and bubble charts. A 'Chart info' text area is located at the bottom of the palette, and 'OK' and 'Cancel' buttons are at the bottom right. On the right side of the main window, there is another 'Palette' panel with a list of shapes and elements: Chart, Ellipse, Image, Generic Element, Spider Chart, Line, Round Rectangle, and Subreport.

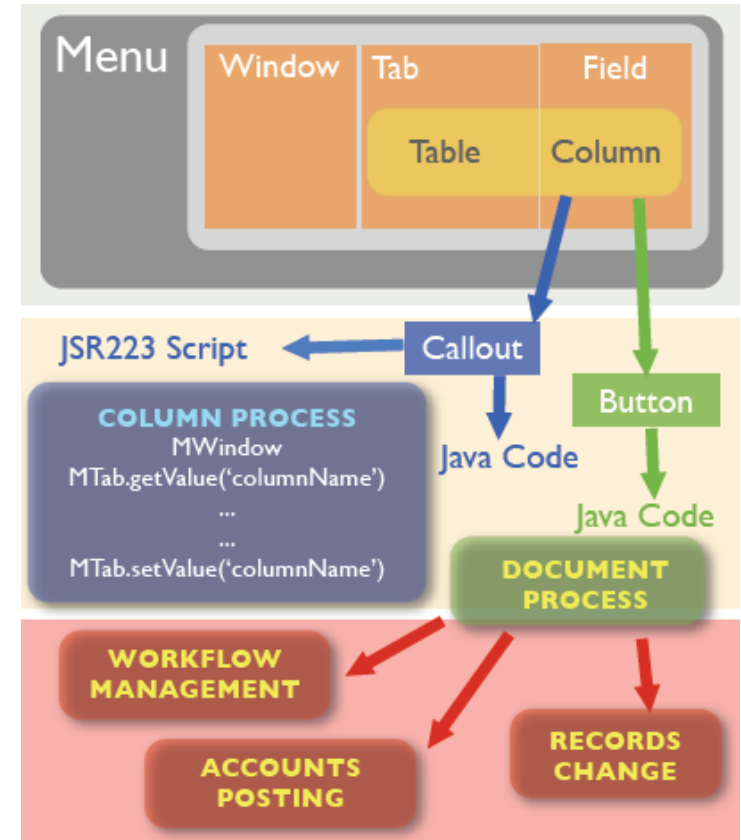
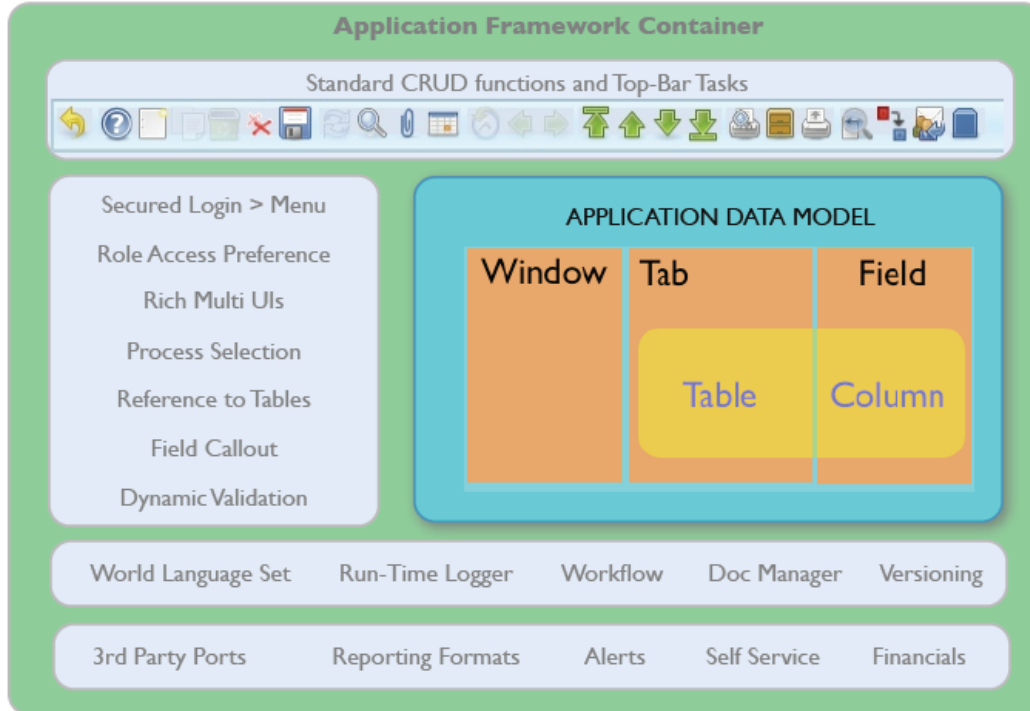
100% Open Source Technology Stack



PostgreSQL



Open and Extensible Architecture



- **Mind-Blowing Rapid Development for fast moving Businesses**

The Community and Global Support



www.adempiere.com/index.php/ADempiere_ERP

Kittiu my talk my preferences my watchlist my contributions log out

page discussion edit history move watch

ADempiere ERP

"We are like midgets standing on the shoulders of giants"
-- Victor Perez, August 2006 in an email to everyone calling for continuing the best software in the world.

NEWS

- Welcome to Tobì's baby - The **Laura (3.60 LTS) Edition** is Released by **Carlos Ruiz!**
- ADempiere is now **Pluggable, Touchable, Callable** and **Self-Installable**

Welcome to ADempiere Wiki! [edit]

ADempiere is a [commons-based peer-production](#) of Open Source ERP Applications. This [Wiki](#) is for the global community to [contribute](#) and share know-how and domain expertise. We hope you can find as much [open information](#) and participate in making it most [usable](#) for everyone. This project has a bazaar of [Citizens](#) which votes in a [Project Management Committee](#) every two years.

Experiencing ADempiere [edit]

You can evaluate adempiere using Sandbox at

The diagram shows ADempiere modules as puzzle pieces:

- POS**: Touch Screen, Retail Point of Sale
- Web 2.0**: E-commerce, ERP & CRM integrated, CRM
- OpenLDAP Login**: Centralized User Authentication
- ERP**: Financial Management, Manufacturing Management, Supply Chain Management, Multi-site Warehouse Management
- CRM**: Sales Pipeline Management, Contact & Lead Management, Support Management
- Telephony**: Voip Gateway, Call Integration with ERP & CRM, Multiple Phone Types
- Document Management**: Knowledge Base, Accessible from ERP & CRM, Archiving including Emails
- Data Repository**
- Business Intelligence**: Data Transformation, Analysis & Reporting
- Intranet**: Workflow, CRM

ADempiere works with High-End Apps illustrated by [ADAXA](#)

ADempiere Thai Community



www.adempiere.com/index.php/Thai

Kittu my talk my preferences my watchlist my contributions log out

page discussion edit history move unwatch

Thai

ภาษาไทยและชุมชน - Thai Language and Community



ADempiere is now Pluggable, Touchable, Callable and Self-Installable!

Contents [show]

ยินดีต้อนรับสู่ ADempiere – ตลาดสดของชุมชนชาว ERP [edit]

ADempiereคือการทำงานร่วมกันของกลุ่มคน (commons-based peer-production) ของซอฟต์แวร์โอเพ่นซอร์ส ERP วิกินี มีไว้สำหรับชุมชนออนไลน์ทั่วโลกมาร่วมกันสร้างสรรค์และแบ่งปันความรู้และความเชี่ยวชาญ เราหวังว่าท่านจะสามารถค้นหาข้อมูลแบบโอเพ่นและมาร่วมกันสร้างสรรค์ใหม่เป็นประโยชน์กับทุกคน โครงการนี้จะตลาดสดของมีส่วนร่วมทุกคนซึ่งจะมีการโหวตเพื่อเลือกคณะกรรมการบริหารโครงการทุกๆสองปี

เกี่ยวกับ ADempiere

ต้องการช่วยแปลภาษาไทย?

คุณสมบัติของ ADempiere

*เวอร์ชัน 3.5.4a

- การจัดการระบบ (System Admin)
- บริหารหน้าการทำงาน (Application Dictionary)
- คู่ค้าสัมพันธ์ (Partner Relations)

OpenSourceERP

This book can help you answer the following:
How can I be prominent worldwide through cyberspace?
How do I stop using expensive business software without paying?
How can I learn and sell services and expertise online?
Can I join a worldwide community that can help me anywhere, anytime?
How do I setup ERP software and make it work fully?
Can I apply it to real business needs?

Open Source ERP
Redhuan D. Oon

from ADempiere, top world SourceForge project

Redhuan D. Oon

Available on Amazon.com or order direct from the author.



navigation

- ADempiere_ERP
- Community portal
- Current events
- Recent changes
- Random page
- Help
- sitesupport

project links

- SourceForge.net
- ADempiere.org
- ADempiere.com
- GoogleSearch
- download
- Support
- Events
- Development
- Documentation
- Training
- Features
- Concepts
- Track Bugs

search

toolbox

The Conference Board Survey: www.it-crtex.com/Stat_Failure

Interviewed executive 117 companies that use ERP

- 34% were very “satisfied”
- 58% were “somewhat satisfied”
- **40% of the ERP project failed!**

**“ERP is 80% Implementation
and 20% Software”**



ecosoftTM