

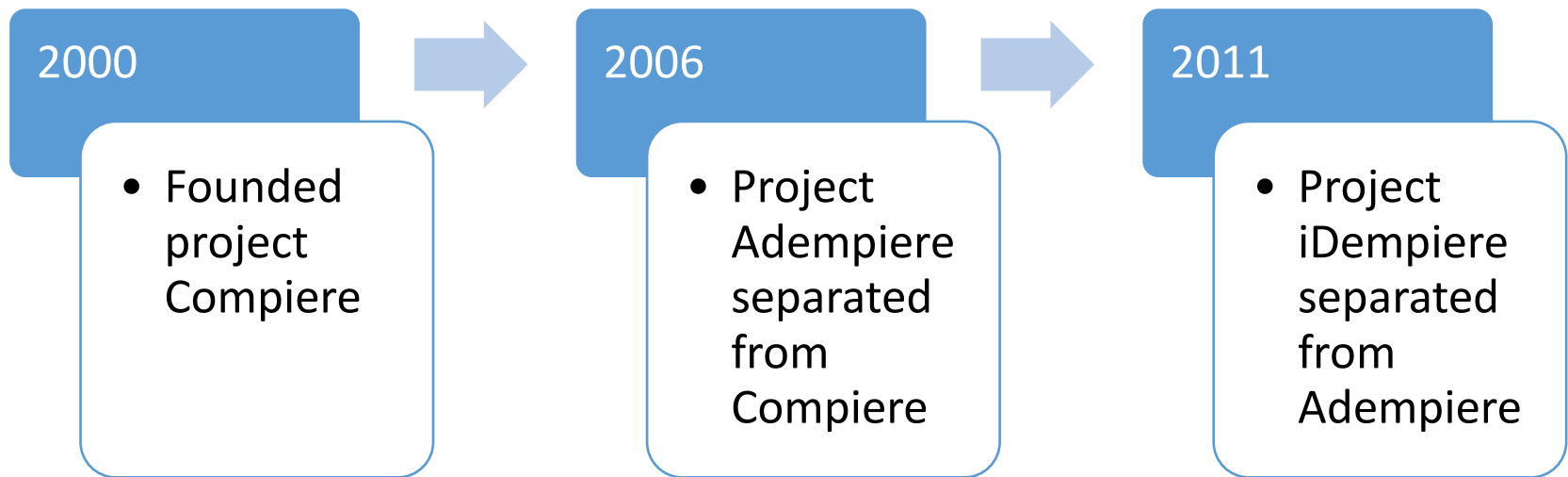
# iDempiere and its history

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# Basic ideas

- To create ERP system for SMEs
- system that supports:
  - Multiple tenants
  - Multiple organizations (branches, plants, etc.)
  - Multiple languages (29 localizations; mixed access in a single installation is possible)
  - Multiple currencies
  - Multiple account schemas
- And can be provided as direct installation and/or a service
- Easy for maintenance and development
- Based on modern platforms

# Workflow of the project



# Compiere

- First version released in 1999 by Jorg Janke
- Top 10 Source forge project from 2004 - 2006
- Based on Java platform
- First installation sponsored by Good Year Germany
- From the first version focused to SMEs
- The code closed in 2006
- Compiere used mainly Oracle database



# Adempiere



- Founded in 2006
- Based on disagreement between a part of the Compiere user community and Compiere, Inc.
- The philosophy of the model remain the same (MDA)
- Whole time presented as Open Source project
- Replaced Compiere on SourceForge.net
- Based on Java EE technology
- Utilizing JBoss application server
- Database support is restricted to Oracle and PostgreSQL

# Architecture of Adempiere



- Adempiere inherited Data Dictionary from Compiere
- Adempiere architecture extends this concept into application:
  - The application entities
  - Their validation rules
  - Screen layout
- All mentioned can be controlled from within application itself
- That means for 95% of customization you do not need to code anything
- Support of Business Process Management in Workflow engine



# iDempiere

- Also known as OSGi + Adempiere
- Based on disagreement in Adempiere community in 2011
  - Based on OSGi architecture
- Extend Data Dictionary to Active Data Dictionary to manage
  - Entities
  - validation rules
  - Windows
  - Formats
  - and other customizations of the application
- All without new Java code
- iDempiere is not ERP only, but the platform or Framework to build database driven applications

# OSGi



- Open Service Gateway initiative
  - Founded in 1999
- OSGi specification
  - Describes modular system and service platform for Java
  - Implements a dynamic component model
  - Applications or components
    - Are coming in the form of bundles for deployment
    - Can be remotely installed, started, stopped, updated and uninstalled without restart or reboot



# Versions of iDempiere

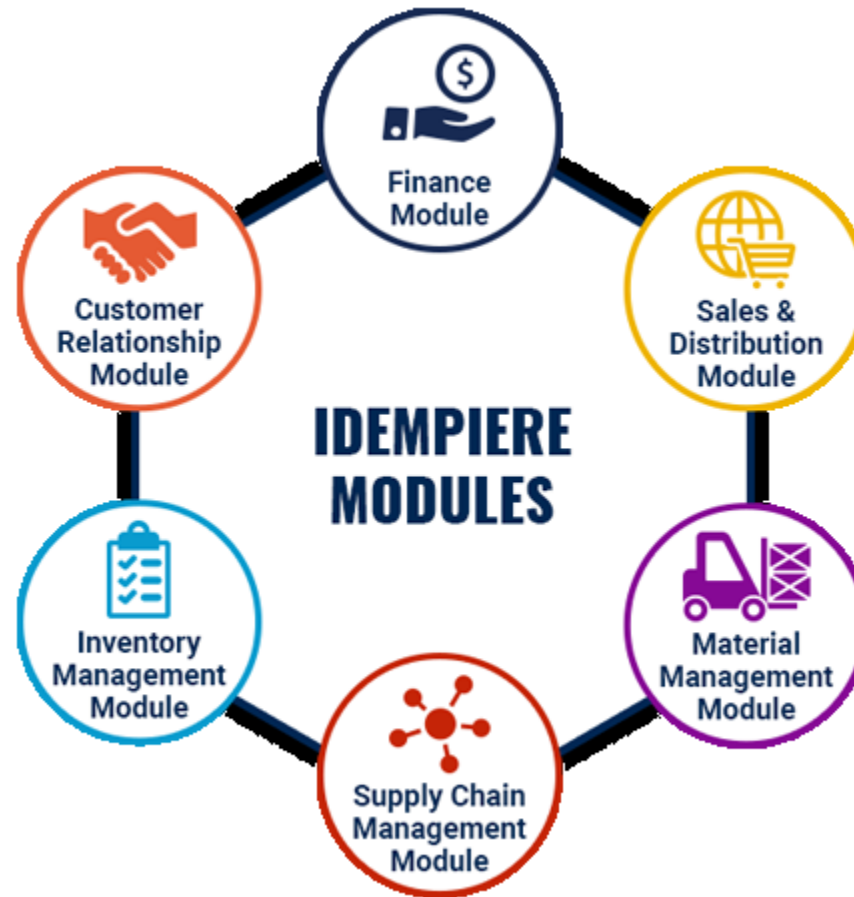
Release date <a href="#">[13]</a>	Version number	Notes
October 31, 2012	1.0.a Halloween Edition ()	<ul style="list-style-type: none"><li>•First official version</li><li>•Alpha version</li></ul>
April 24, 2013	v1.0b Devina	Beta version
June 27, 2013	v1.0c Devina LTS <sup>l</sup>	Stable version
October 31, 2013	2.0	Stable version
October 31, 2014	2.1	<ul style="list-style-type: none"><li>•Stable version</li><li>•266 weekly downloads</li></ul>
October 31, 2015	3.1 (Maitreyi)	<ul style="list-style-type: none"><li>•Daily maintained version Stable version</li><li>•411 weekly downloads</li></ul>

# iDempiere on Faculty of informatics

- Since 2011
  - First installed version – Adempiere 360 TLC
  - Not working anymore
- From 2013 we are cooperating only on project iDempiere
  - 25.5.2013 – visit of the founder of iDempiere on Faculty of informatics
  - Redhuan D. Oon (red1)



# Main modules in iDempiere



# Main sources to study

- The server of iDempiere project – [www.iDempiere.org](http://www.iDempiere.org)
- The pages of Laboratory of service systems - <http://ssme.fi.muni.cz/student/laborator-ses>
- The running installation of iDempiere on FI: <https://iDempiere.fi.muni.cz:8443/>

# Conclusion from the presentations

- Basic types of information systems
- ERP system as a mix of other systems
  - Advantages
  - Functionality
  - Special role of accounting
- Why do companies need the ERP systems?
- The main features of ERP system
- The process of implementation of ERP system
- The main objectives of ERP system implementation and the system of supporting mean objectives