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How open source ERP is  
slowly changing the business world:

**Now everybody can customize  
and use ERP!**



# Content.

- Problems of ERP end-users.
- Problems of ERP developers/vendors
- Platform versus Pipe.  
(airbnb, uber, IOS, Android)
- What open source can do for you.
- Example: The GrowERP platform.(PAAS)

# The problems of ERP users.

- The internet and IT technology
- Computer productivity increase
- Social media
- Cloud computing
- Continuous business improvement
- Available open source software

# The problems of ERP users(2).

- Need software development department.
- Competition by upcoming platforms.
- Outsourcing much easier.
- Expensive in anyway AND locked-in!

# The problems of ERP Vendors

- Commercial systems require large partner fees.
- Very large systems, difficult to install and configure.
- Not always sources available, so difficult to re-engineer, just documents
- Learning and training provided but also expensive.

# Platform versus Pipe.

- **Pipe:** Single producer delivers to many customers.
- **Pipe/platform:** Single producer delivers to many customers which can share product experience.
- **Platform:** Everybody can produce and consume and enhance the experience in area related.

# The solution: open source ERP

- Free available for any use.
- Anybody can collaborate in any way
- Anybody can built on what is already there
- No Lock-in
- No expensive limiting licenses and maintenance fees.
- Open source code for education or customization.



# Example: GrowERP platform

- Continuous development, test, deployment
- Supports Scrum and Kanban.
- Transparency for all parties
- Cloud or Local.
- Peer review.
- Market place.
- For and by smaller companies.
- Based on Apache OFBiz.





# Example: GrowERP system

- Website content management
- Catalog for products with categories
- Warehouse with Sales & purchase order
- Accounting and CRM
- Verticals:
  - Manufacturing with MRP.
  - Software development.
- Easy 'setup'.

# Open source within GrowERP

- Apache OFBiz : ERP
- Git/Gerrit: repository
- Jenkins:  
automated testing and deployment
- Apache webserver  
frontend proxy and load balancer.

# Links

- GrowERP <http://www.growerp.com>
- Git repos: <http://gerrit.antwebsystems.com>
- Docker Images:  
<https://hub.docker.com/r/growerp/erp-derby/>  
ERP system, to be completed with: Monitor,  
repository, load balancer.
- LinkedIn Discussion Group:  
<https://www.linkedin.com/groups/4576897>  
download instructions for Linux and Windows.