



iDempiere in University Education and Research

Presentation at iDempiere World Conference Lyon, Oct. 31st. 2019

Frank Wolff (DHBW Mannheim)

www.dhbw-mannheim.de

Overview:

- Advantages of iDempiere in University Education an Research

- Areas of Interest for ERP-Systems in Education

- Different Kinds of Courses with iDempiere
 - General characteristics
 - Details on selected courses

- Experiences and challenges noted

Advantages of iDempiere in University Education and Research:

- **Balanced challenges for students**
 - comprehensible base concepts - not too big
 - high functionality also for more sophisticated settings, e.g.
 - multi-language and
 - multi-currency capabilities, ...
- **Flexible design for adaption to different companies**
- **Open source and related features**
 - open code and other information
 - no direct cost for installation (and distribution to students)
 - Java language base programming language in many study programs

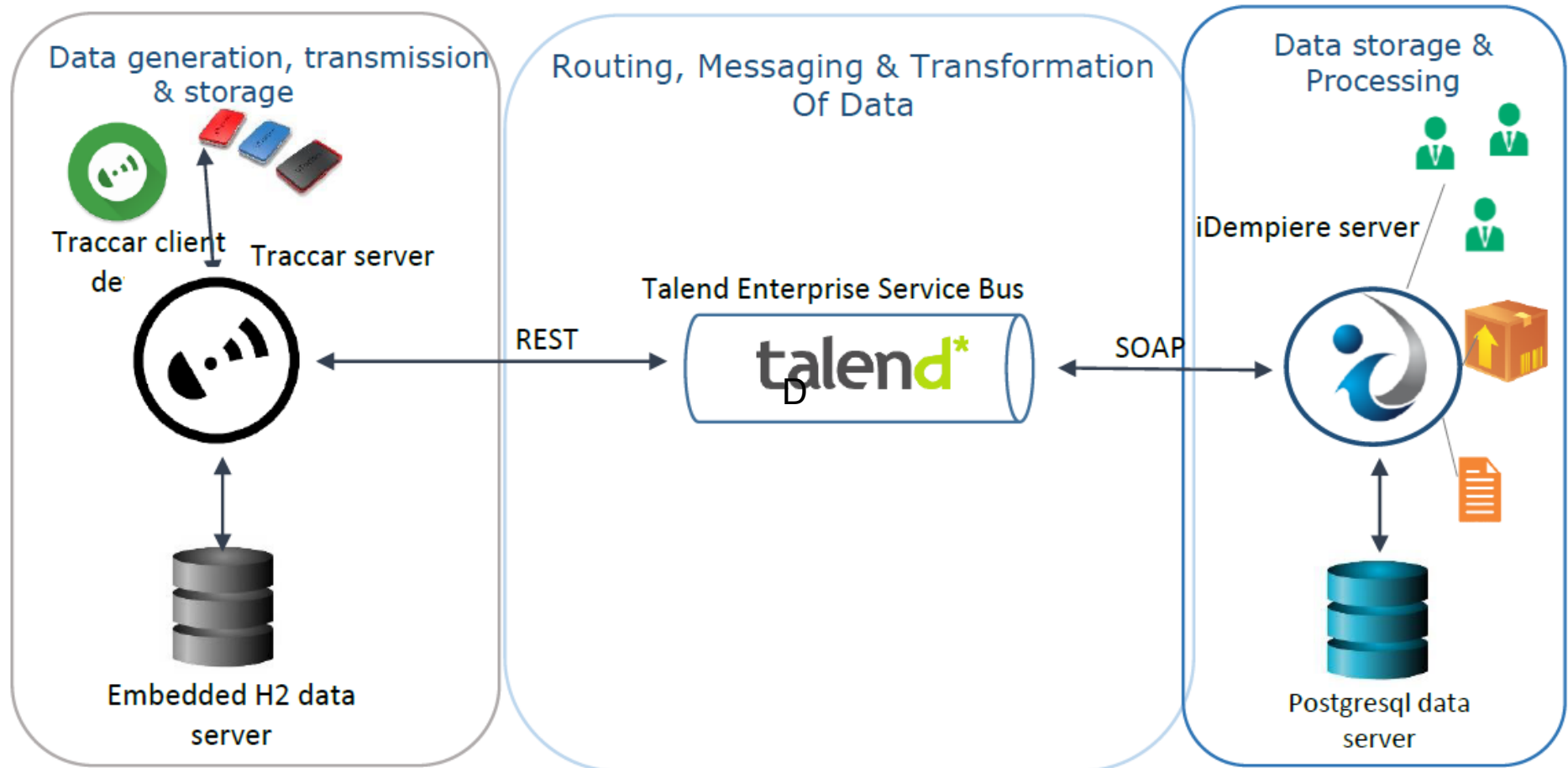
Important Areas of Interest for ERP-Systems in Education:

- Integrated information systems
- ERP-functions
 - IT-supported business processes
 - Digitalization of accounting
- Interconnection of different IT-systems
- ERP-system in companies
 - Customization
 - Management of ERP-Systems
(life-cycle aspects of large IT-systems)
- IT-Structures and development of standard IT-, especially ERP-systems

Experience from diverse Courses with iDempiere - Characteristics:

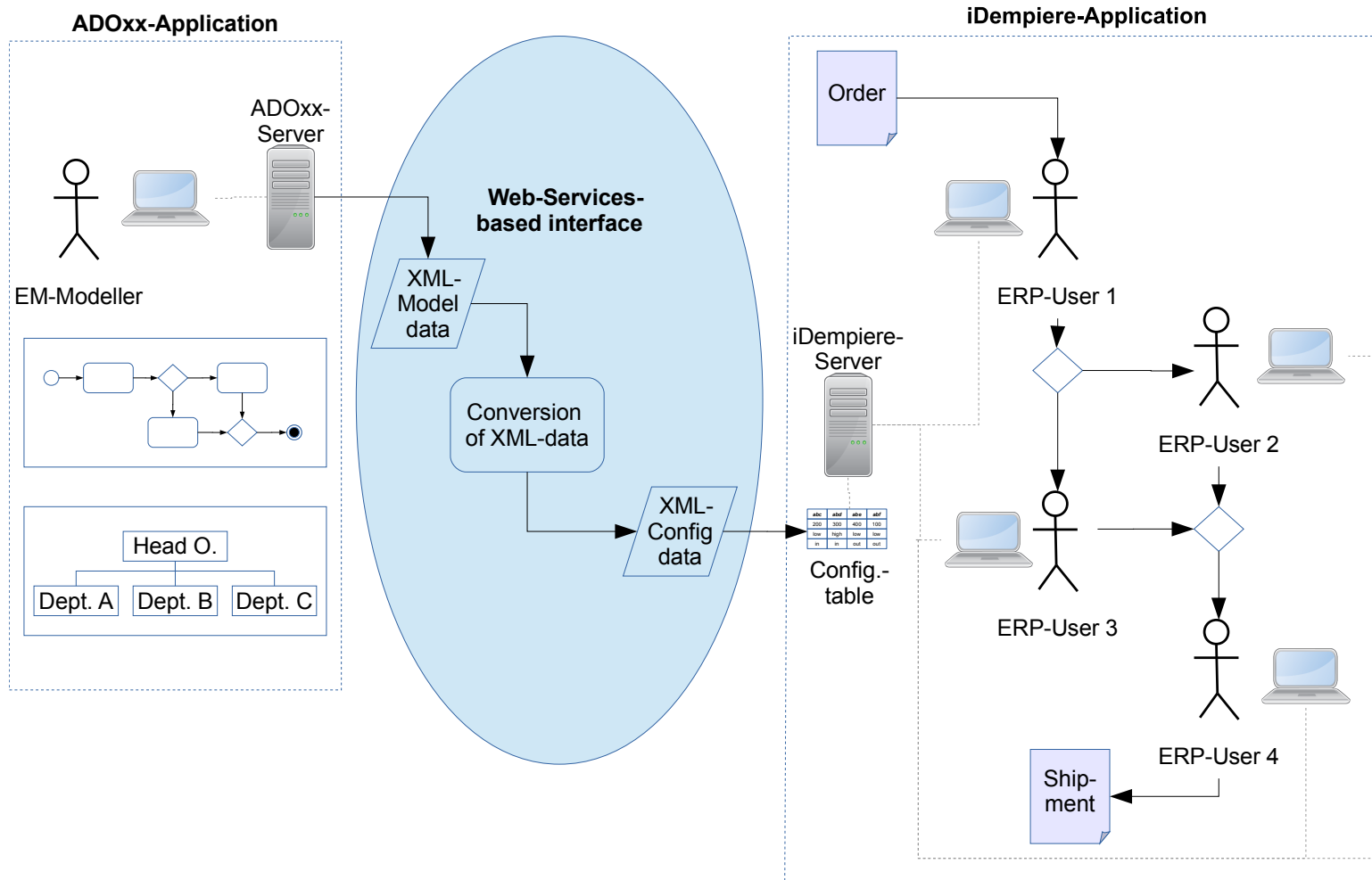
	Course name / Thesis topic	Studies	Focus of course	Year	Hours lecture	Times held
1	Introduction to Information science	Information Science	Apprehension of Support of IT-system for business processes	1	8 (of 30)	8
2	Business information systems	Information Science	Practical application of IT-system installation, adaption and practical accounting	1	60	1
3	Integrated business information Systems II	Business administration	Usage of integrated system for commercial processes	2-3	30	2
4	Project – Organizational modelling for iDempiere	Information Science	Model-based configuration of iDempiere with Webservices	3	70	2
5	Bachelor thesis on IoT	Information and Computer Science	Transfer and processing of tracking data in iDempiere	4	n.a.	2
6	Integrated business information Systems	Information Science	Aspects of practical usage of ERP-systems in companies	4-5	12 (of 48)	2

Overview on IoT – tracking data processing with iDempiere



Source: Abdelnaby, D.: Implementing the Processing of Delivery Tracking Data in iDempiere, Bachelor thesis at DHBW Mannheim 2019, p. 13.

Overview on model driven configuration of iDempiere with ADOxx



Course on Business Information Systems

- Individual installation of iDempiere
 - First with no further instructions
 - Later an installation script was supplied
- Differentiated approaches by students – based on descriptions found
 - Trying to follow word by word
 - Knowledgeable interpretation of descriptions
 - Active experiments
- Configuration of a company in iDempiere in teams
 - 2 companies with each about 8 topic teams (2 students)
 - Parallel work on dedicated servers
- Partial realization
 - Good basic results but overview often lacking
 - Students puzzled by diverse information sources
 - Interdependencies underestimated

What do you know and think in respect of this topic

Other experiences

- Use in universities
- Different educational contexts
- Further interesting research projects
e.g.
 - special applications
 - long-term issues
 - open sources peculiarities

Ideas to promote use in universities ...

- Helpful resources
- Platform for exchange
- ...

Questions and comments?

frank.wolff@dhbw-mannheim.de