Vertical Integration of Enterprise Industrial Systems Utilizing Web Services

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Motivation

- Enterprise integration
- Interoperability
- Enterprises' need for flexibility

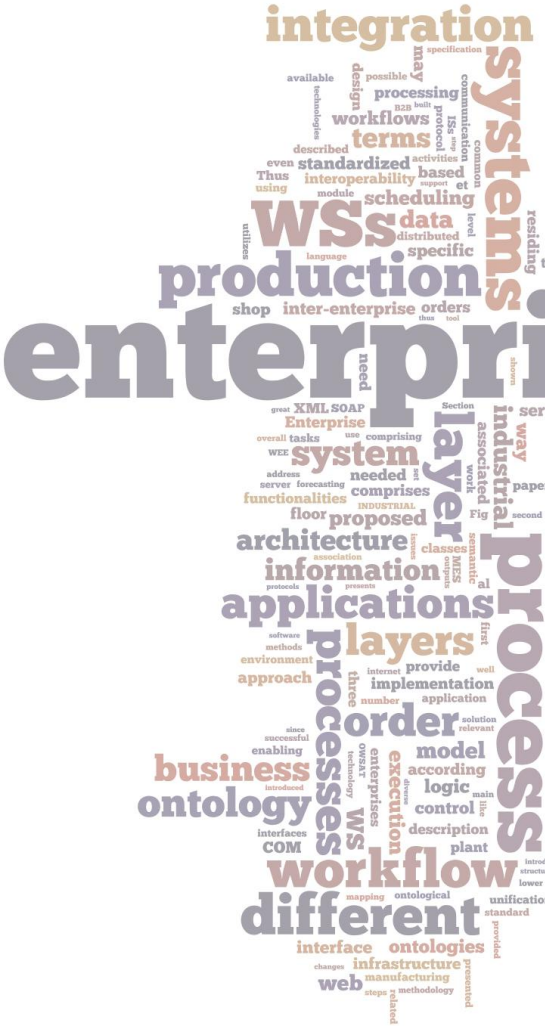
Using… dominant state-of-the-art standard technologies, such as workflows, ontologies, and web services.

Personal:

- E-business topics
- Publisher
- Future Projects (eg… Enterprises in Tannery Industry in developing countries)

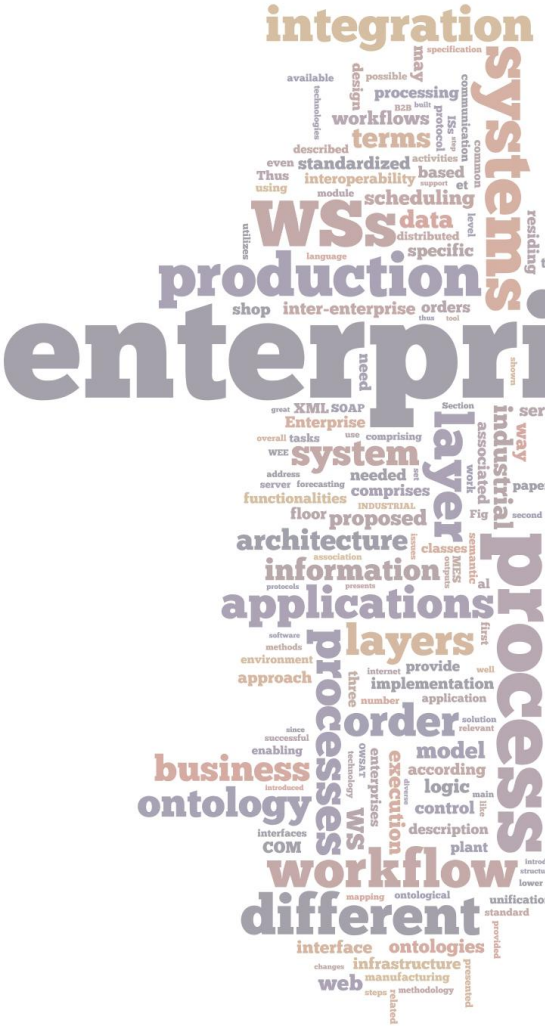
Community:

- Entrepreneurs - setting up a technological landscape.
- Students - reflect on the ideas and methods.



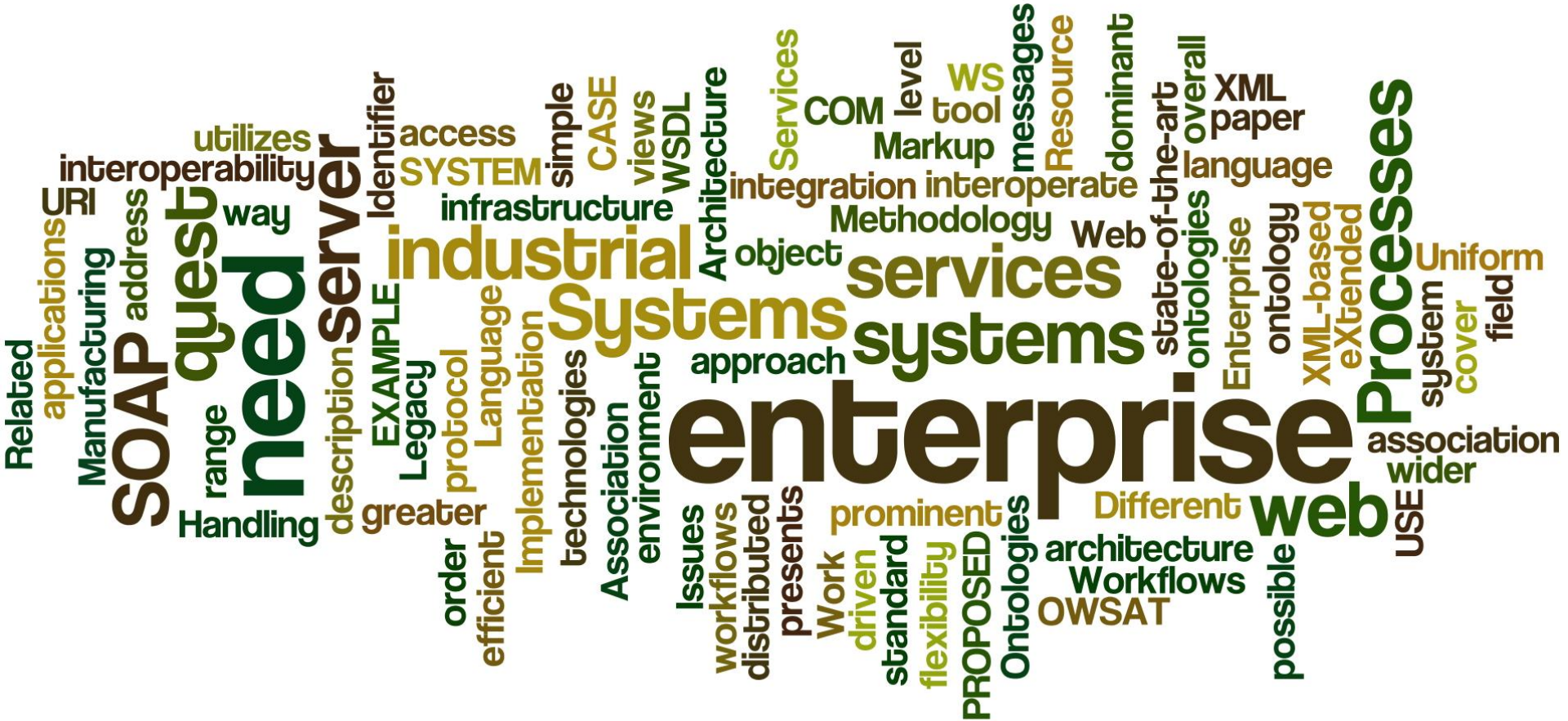
Objectives

- Understand the approach presented dealing with vertical enterprise integra
- Understand… the Processes at different enterprise layers
- Raise... the topic for discussion
- Identify the various ontologies and layers in an Enterprise



Scope of presentation

Aim: supporting inter-enterprise integration and B2B applications.



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Thank you!

… some terms

VERTICALLY INTEGRATED ENTERPRISE - A vertically integrated enterprise is one in which different stages of production, which are usually carried out by different enterprises, are carried out in succession by different parts of the same enterprise (the output of one stage becomes an input into the next stage, only the output from the final stage being actually sold on the market.

The result is a more efficient business with lower costs and more profits.

Business Acquisition - is the process of acquiring a company to build on strengths or weaknesses of the acquiring company.

An Ontology is “a hierarchically structured set of terms to describe a domain that can be used as a skeletal foundation for a knowledge base.” Ontologies give a specific description of a domain, clearly defining its terms in a hierarchical structure and their relationships. Knowledge described by ontologies can be noticeable from different users and used for platform independent implementation. Semantic web evolution and the need of representing

The Web Ontology Language is a family of knowledge representation languages or ontology languages for authoring ontologies or knowledge bases. The languages are characterised by formal semantics and RDF/XML-based serializations for the Semantic Web.