

Efforts for building trustworthy information infrastructure in our society

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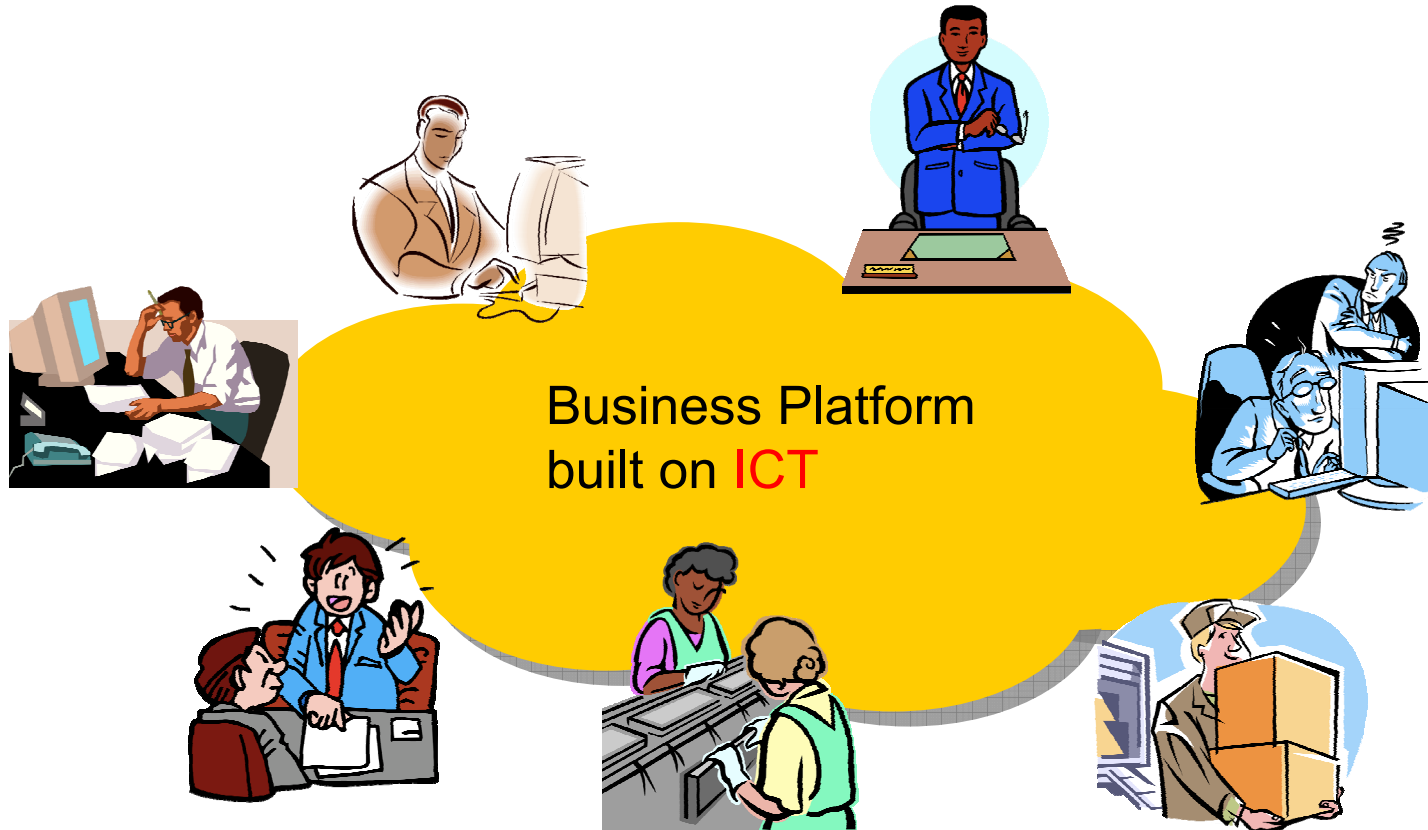
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Overview

- Information Systems = Infrastructure
 - How can we build our customers' confidence?
 - Computer equipments, software, data and data processing itself.
 - Roles of government, industry and academics
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Information System = Infrastructure



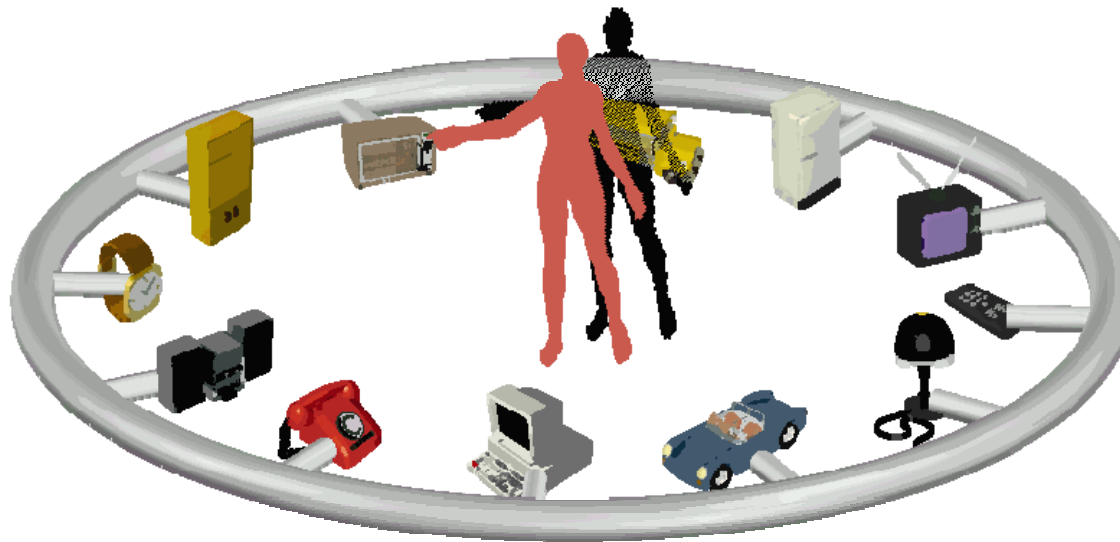
Computers and networks directly support our businesses
Almost all of our work depend on computer networks

To be “Dependable System”

- Changes our primary method on information processing
 - From paper based to computer based
- Information systems handle information from its beginning to the end
 - Information life cycle
 - Improving productivity dramatically in “all digital” form
 - Standard method for every organization
- 24/7
 - Robust & sustainable
 - Non-stop services

Convergence to the Infrastructure

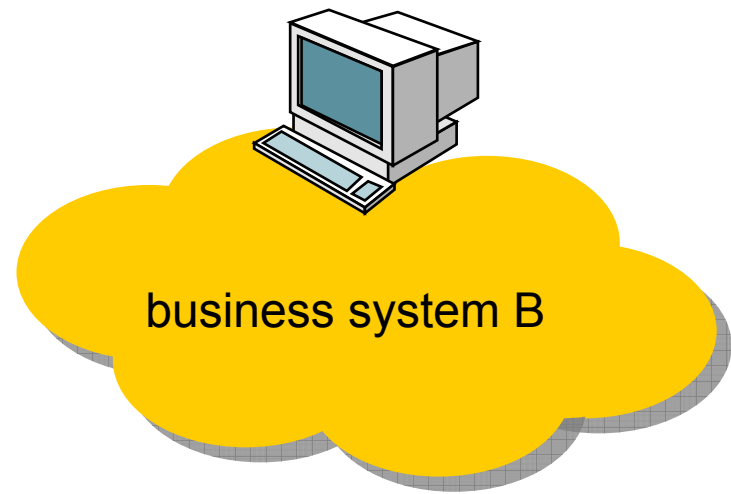
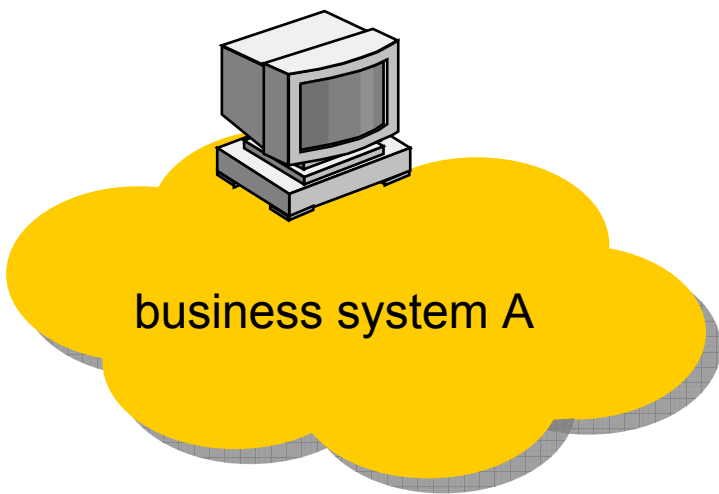
- Internet (network) for everything
 - More “invisible computers” are going to be integrated
 - Sensor networks, automobiles, cellular phones,
 - TV, telephone (NGN), ...
 - infrastructure convergence
 - more by the end of 2010

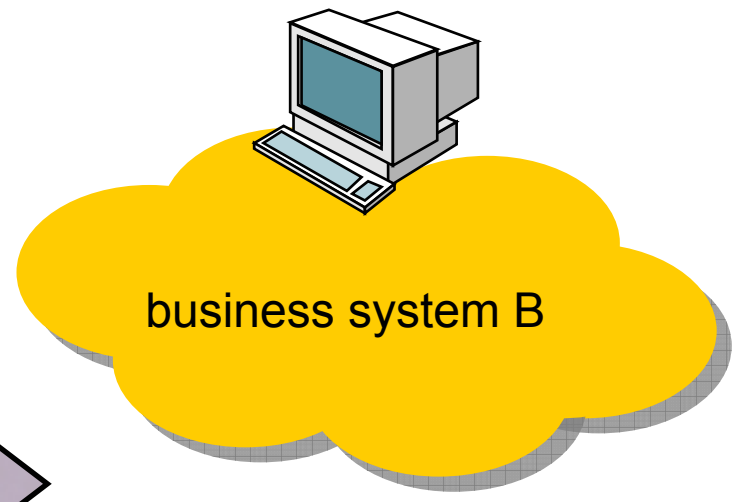
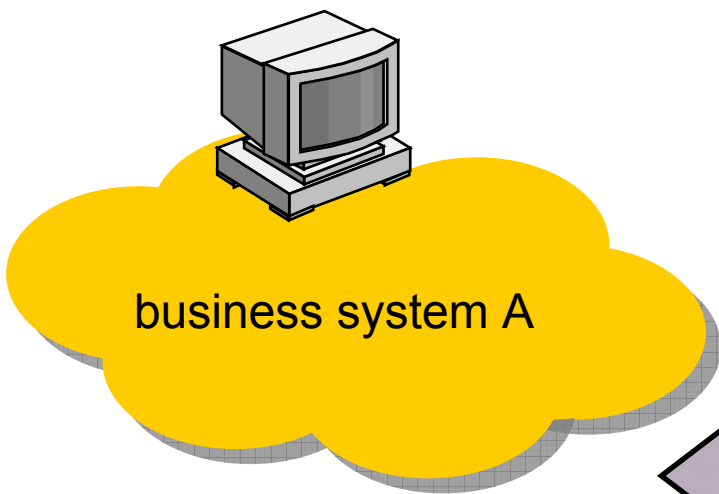


Actual steps of “Convergence”

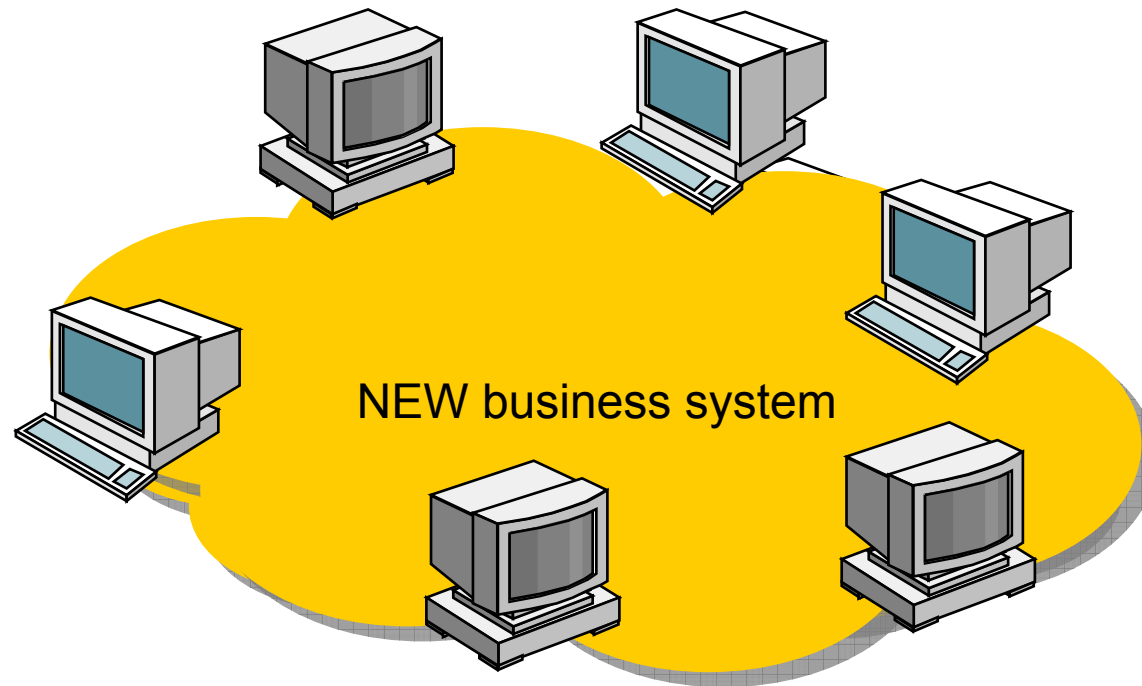
- Engineering Aspects
 - Common information presentations (hopefully standardized)
 - Shared method of information processing
 - To be “dependable” systems

 - Harmonization with current existing social systems
 - Legal frameworks and requirements
 - Common rules of our social activities
 - Users’ perceptions
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Data Exchange
Outsourcing of Information Processing



Reducing cost of operations & overhead of information processing.
Chances to develop new applications and their markets.

New way of work: “all in digital”

- We are in the “connected world,” therefore, we need to have new way to build “confidence” on what we are doing.
 - Not limited to the ordinary computers and networks, but including various types of gears (gadgets) that we are and will be using on the net.
 - Cellular phone, home appliances, TV, VCR’s,
 - New trust model is required
 - New style of use
 - Fit to our society
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Roles of Technical Expert

- Solution development, analysis, and research on technology
 - Communication to the other entity who are not technical.
 - Infrastructure for all the activities
 - Citizens (consumers), Politicians, Business owners, ...
 - In their words!
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