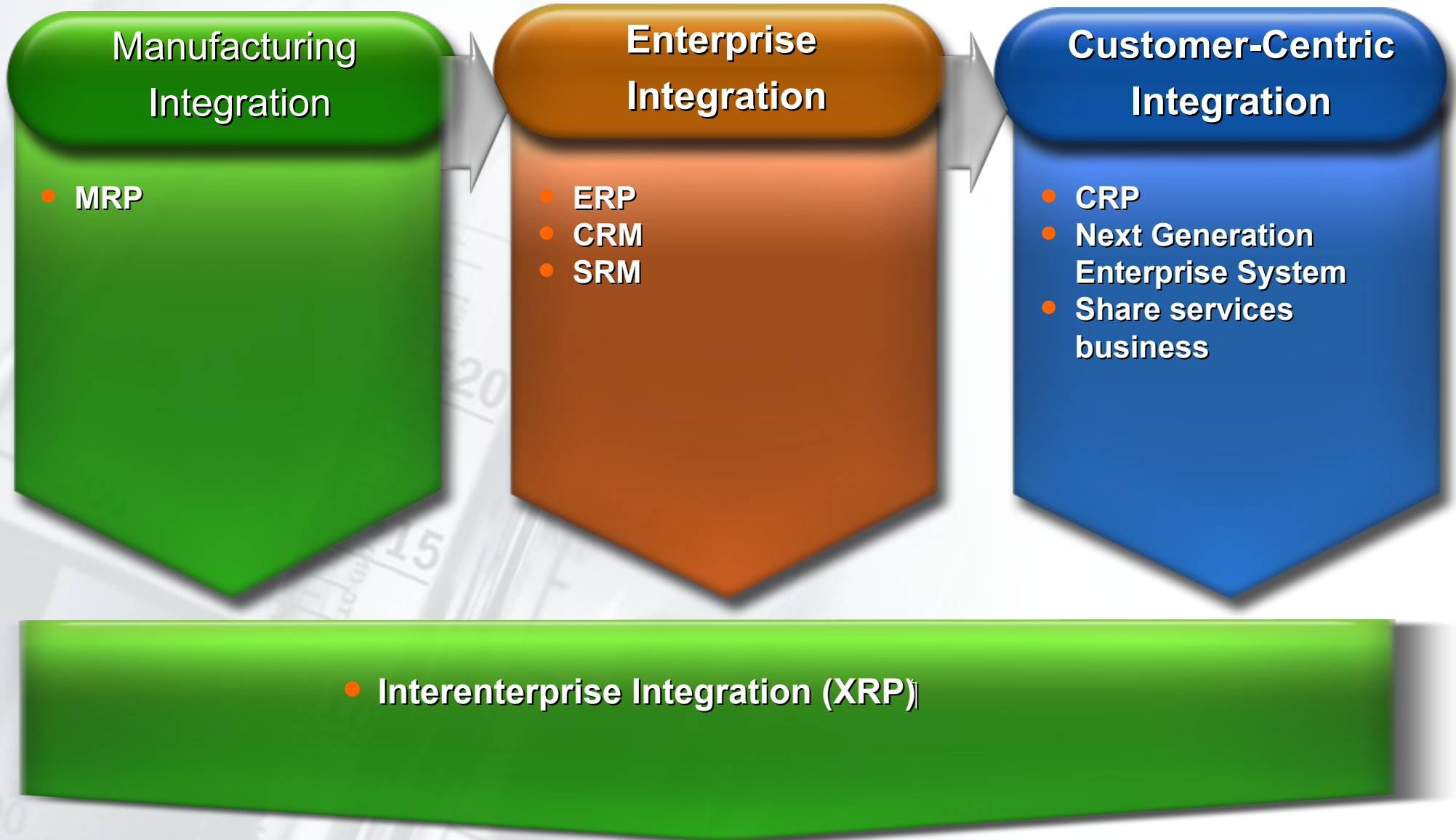
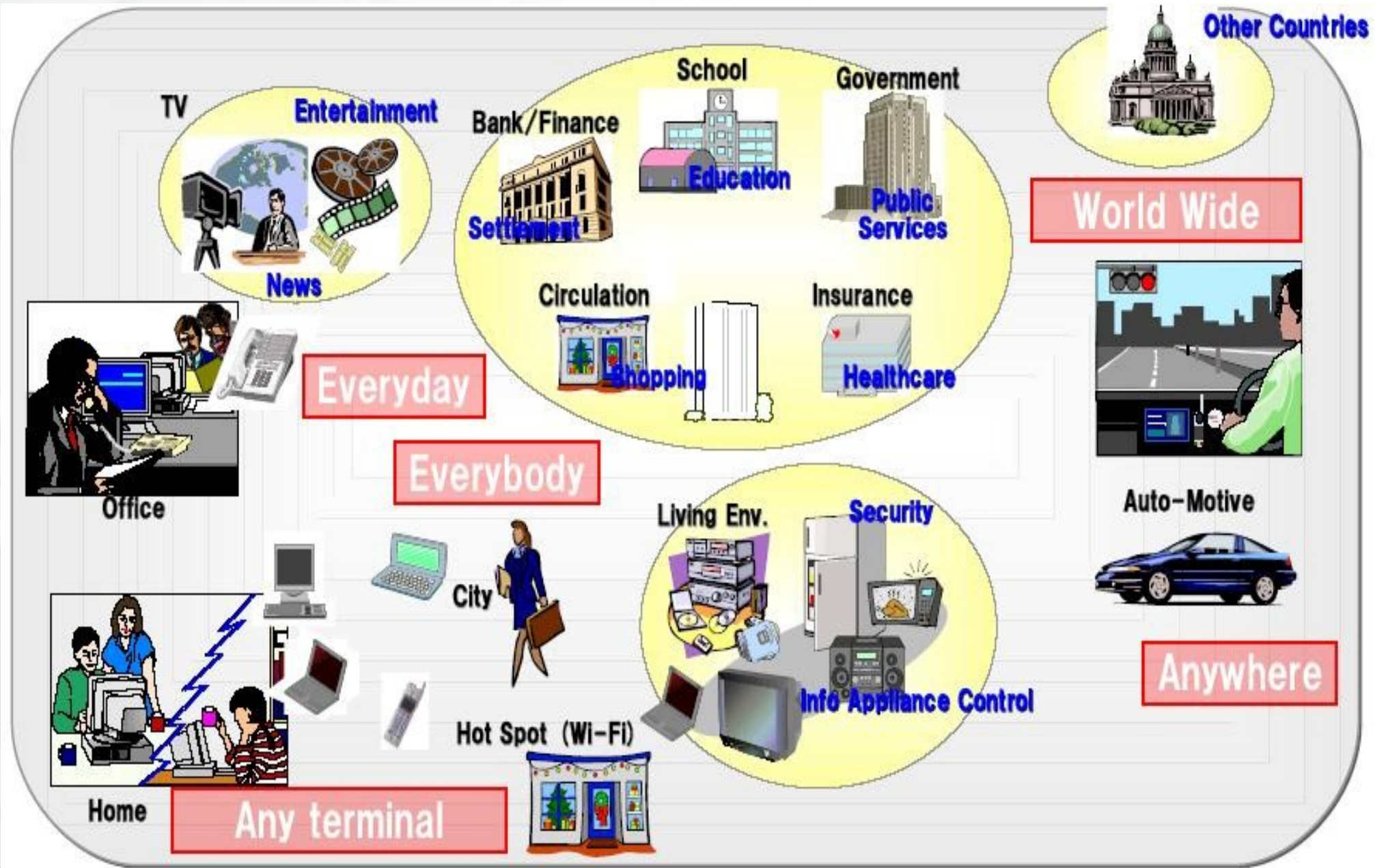


# Enterprise Wave

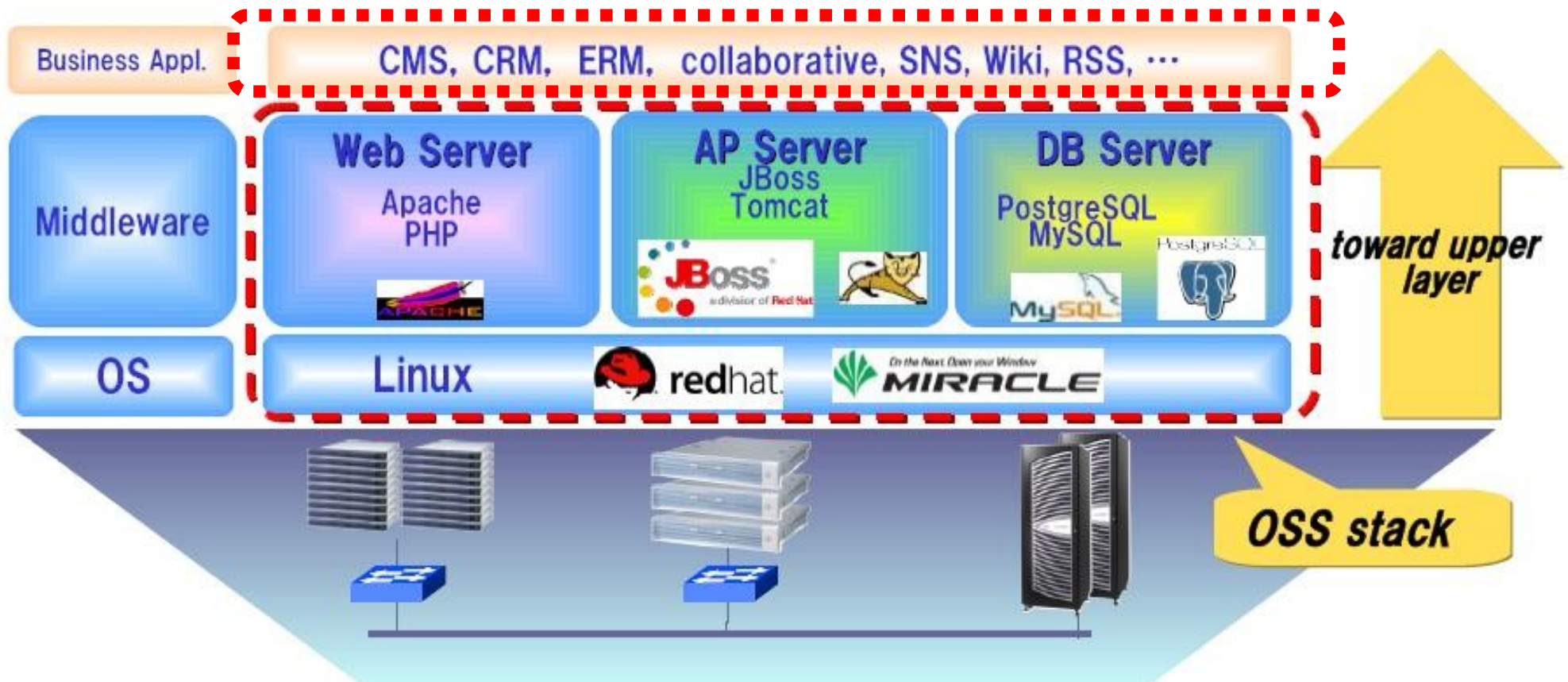


# ICT Infrastructure



# Corporate Needs

- In addition to OS and middleware, **OSS business applications** are emerging.
- Verified **Software Stack**, composed of best-used OSS, is now available.
- New service business (**SaaS**, Web2.0, ...) is taking full advantage of OSS.



# Industry Needs

- **Healthcare**
  - **Medical records should be preserved for the life of individual and beyond**
  - **Xrays are often store for periods 75 years**
  - **OSHA require organization to keep records of employee medical reports for 30 years [1]**
- **Pharmaceutical company**
  - **Need – offline electronic data storage for 50 - 100 year longer (to comply with FDA 21 CFR part 11)**
- **Finance**
  - **Rules 17-a4 of the federal security laws and regulations requires minimum 6 years record for transaction and 70 years for the updated account & transaction**

[1] OSHA – Access to Medical and Exposure Records

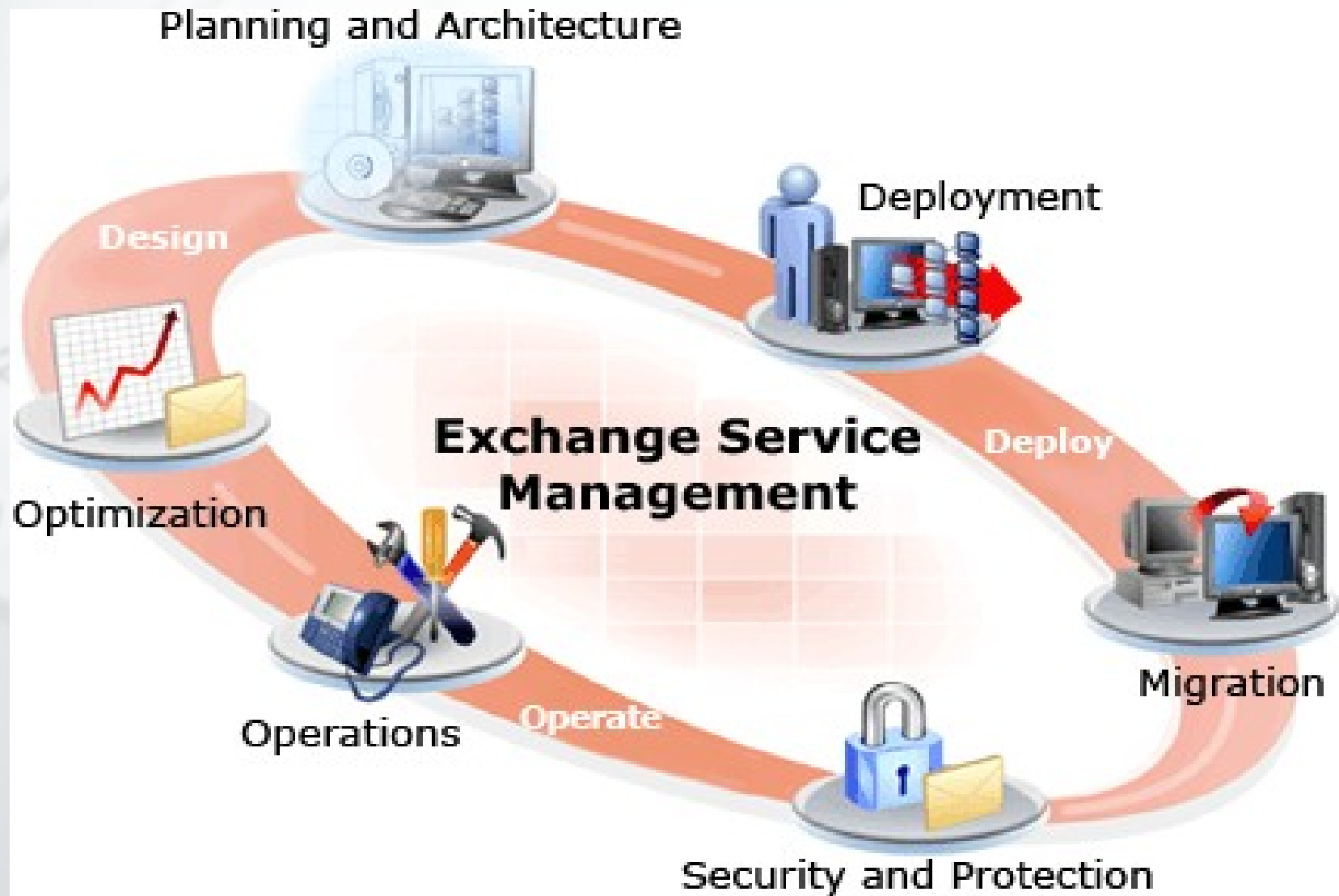


# Industry Needs

- Aerospace
  - Aircraft design records have to be retained for the lifetime of each of the aircraft for 30+years (source: European aerospace commissions)
- Petroleum
  - Oil-field data is used during the entire life of the field (50+ years) (source: [www.slb.com](http://www.slb.com))
- Scientific and cultural
  - Satellite data is kept forever (source: NASA archives)
  - Society would like keep libraries and art forever



# IS Development Lifecycle



# Surveys on IT Project Executions

[http://www.it-cortex.com/Stat\\_Failure\\_Rate.htm](http://www.it-cortex.com/Stat_Failure_Rate.htm)

- Robin Gioia Survey (2001) on ERP implementations
  - 51% respondents said ERP implementation was not successful
- Conference Board Survey (2001) on ERP implementations
  - 34% were satisfied
  - 58% were “somewhat satisfied”
  - 8% were unhappy
  - 40% of the projects failed to achieve their business case within 1 year of operation



# Surveys on IT Project Executions

[http://www.it-cortex.com/Stat\\_Failure\\_Rate.htm](http://www.it-cortex.com/Stat_Failure_Rate.htm)

- KPMG Canada Survey (1997) on IT project management issues
  - Over 61% of the project analysed were considered failed by the respondents
- The Chaos Report by Standish Group (1995)
  - 31.1% of projects are cancelled before they ever get completed
  - 52.7% of projects cost over 189% of their original estimates

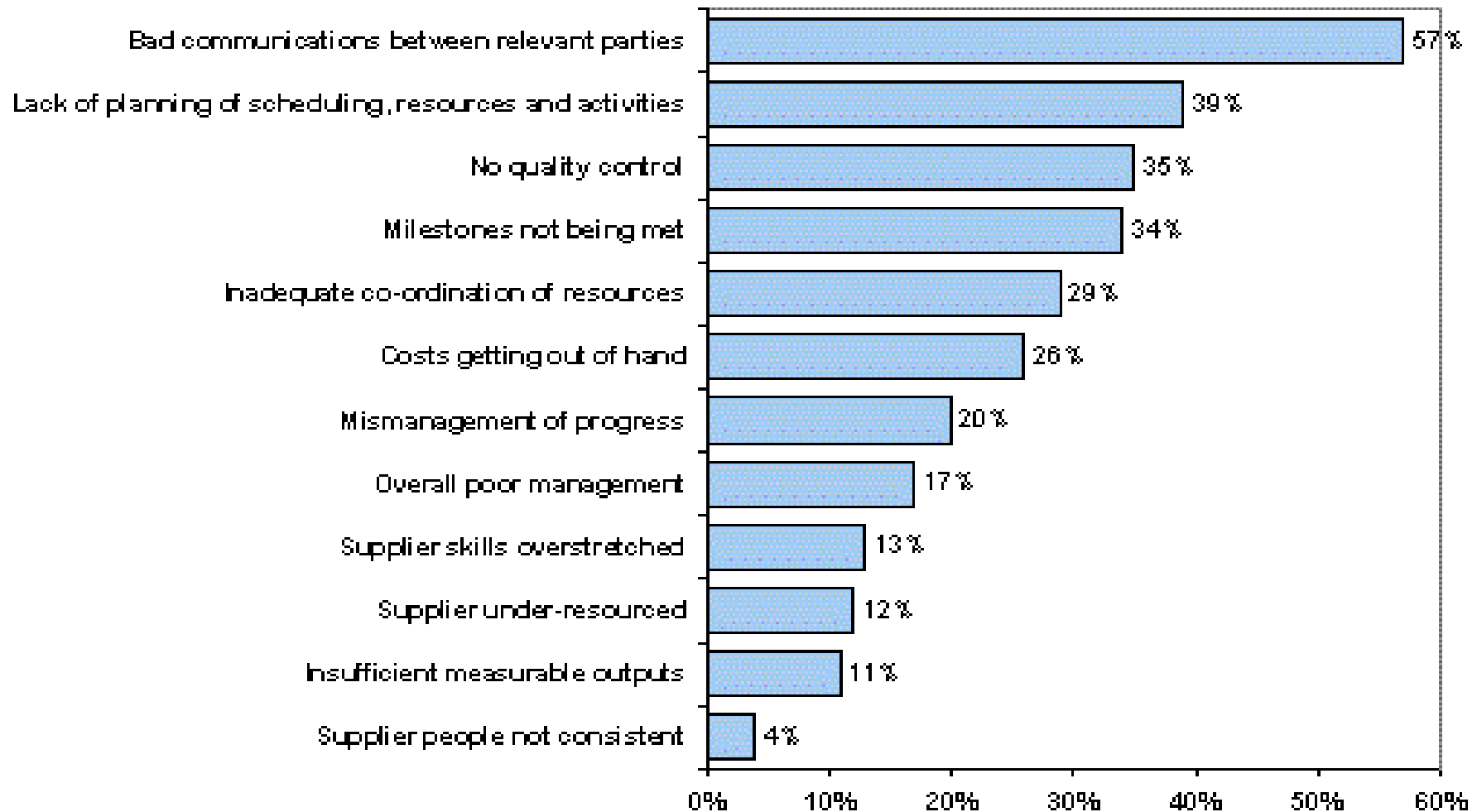




# Cause of Failures

[http://www.it-cortex.com/Stat\\_Failure\\_Cause.htm](http://www.it-cortex.com/Stat_Failure_Cause.htm)

## Major Causes Of Project Failure



A photograph of a salmon swimming upstream in a turbulent, white-water stream. The fish is positioned in the upper left quadrant, facing towards the top left. The water is dark blue and white with foam, indicating a fast-moving current. The background is a bright, overexposed area of white water.

**Moving Upstream**