

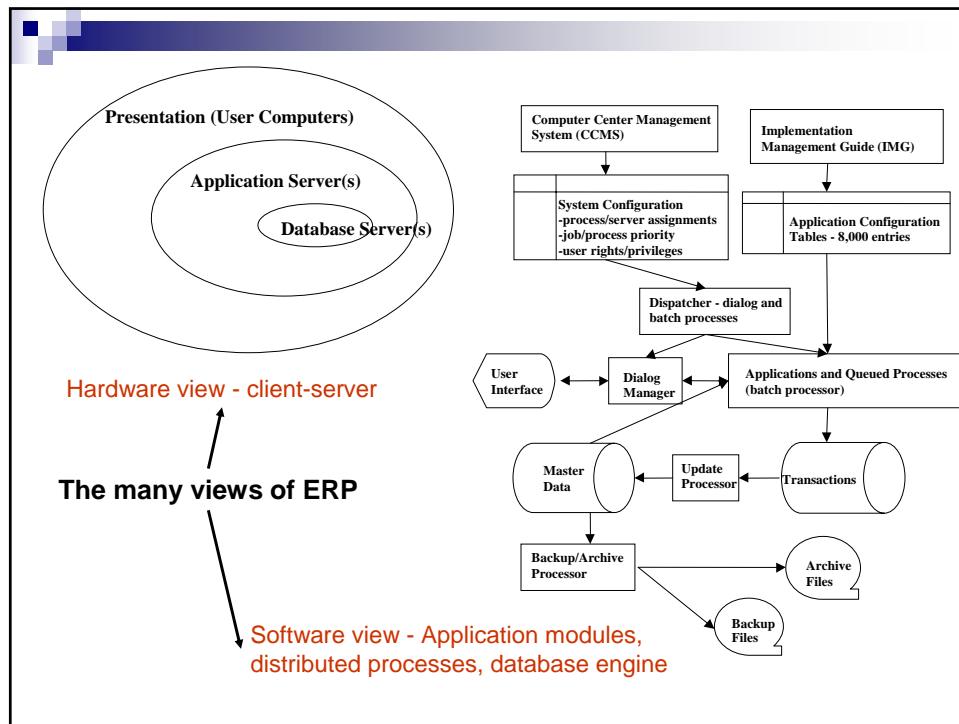
Why ERP? A Primer on SAP Implementation

by F. Robert Jacobs
and D. Clay Whybark



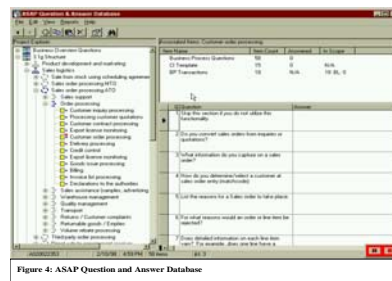
Session Goals and Outline

- Provide a framework for understanding the value of Enterprise Resource Planning (ERP).
- The framework spans operational (nuts and bolts of the hardware and software) through tactical (how work is done) to strategic issues.



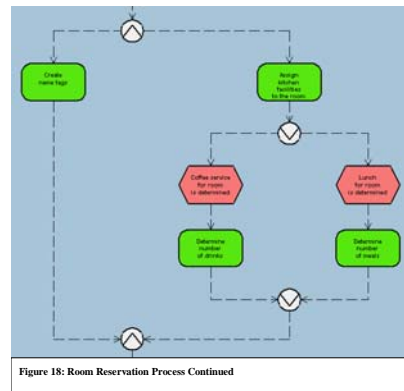
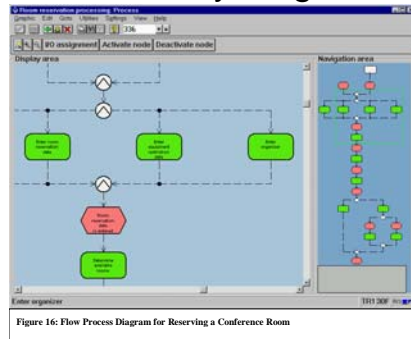
Operational – ERP nuts and bolts

■ Configuration



Operational – ERP nuts and bolts

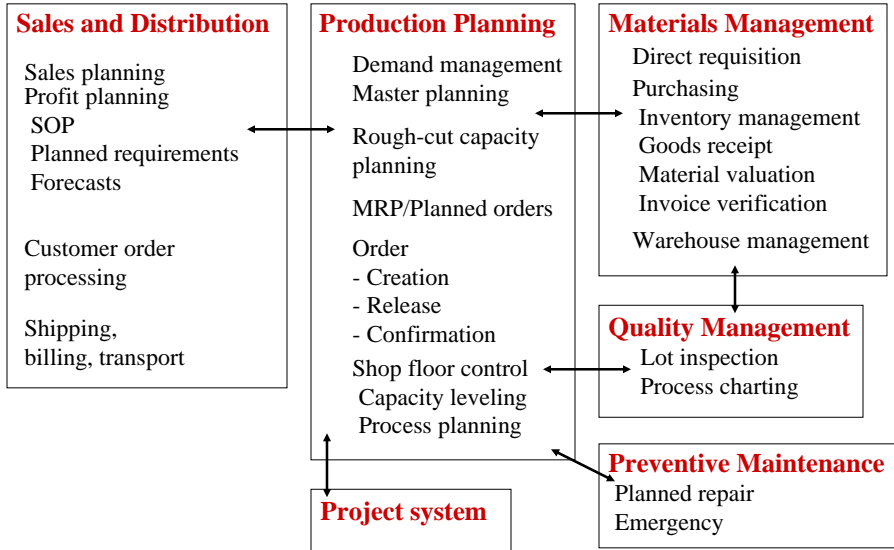
- Standard Processes – for everything!



Tactical – Functional Capability

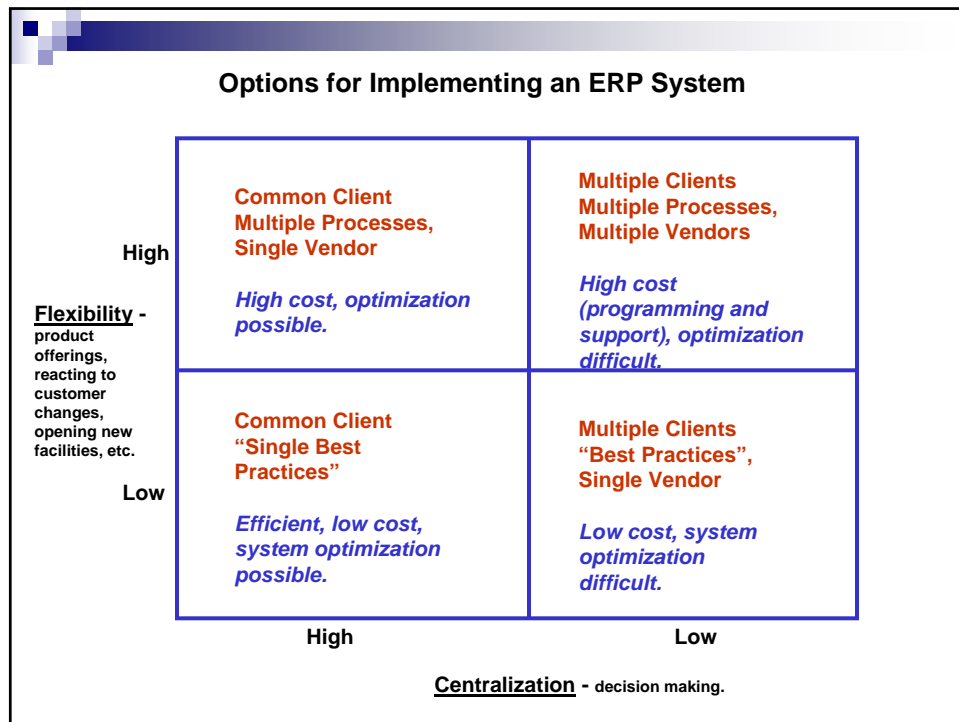
- Within functional integration – typical features
- Cross-functional integration
- Supply chain integration
- Decision support

Tactical – Within function integration – relationship between modules



Operational Issues

- Configuration – 8,000 switches to set!
- How much do we customize?
 - Do we customize within the ERP system or link stand alone applications to the ERP system?
- Should we use the same configuration for all of our facilities?



Operational Issues

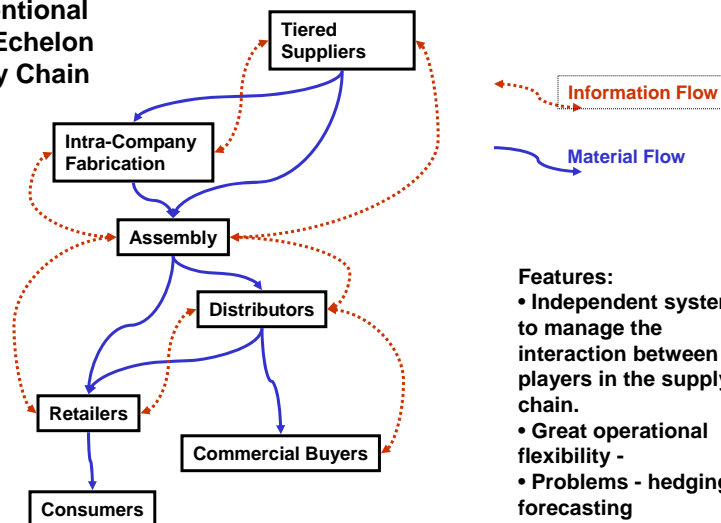
■ Implementation

- ☐ Plan vanilla to start.
- ☐ Populating the data and integrity
- ☐ When are the modifications made?
- ☐ Phased rollout or cut over.
- ☐ What about add-ons? Are they necessary?

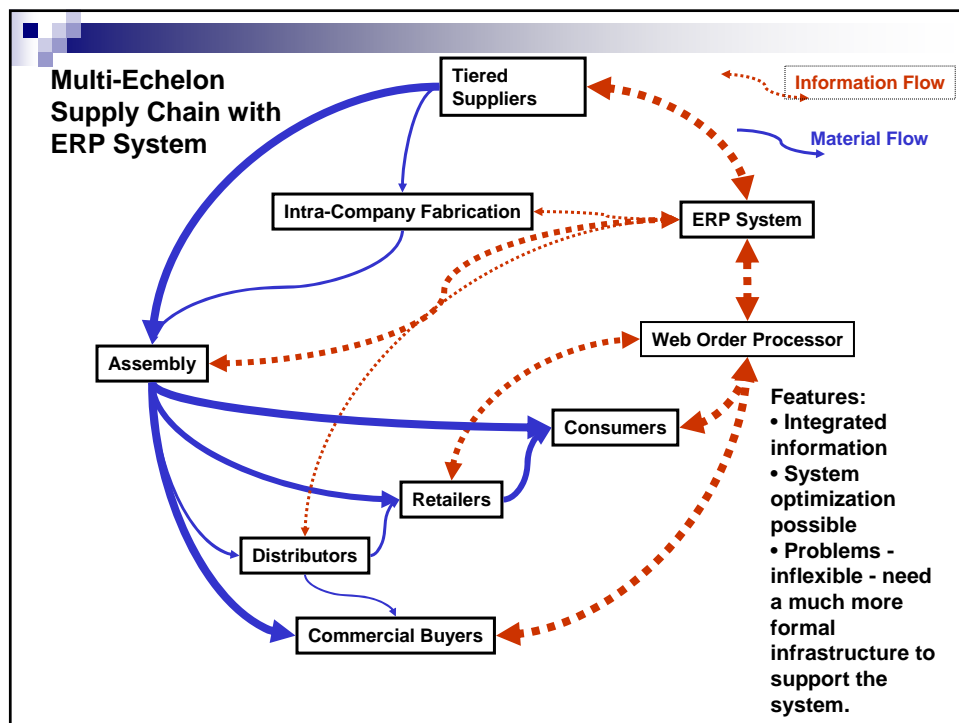
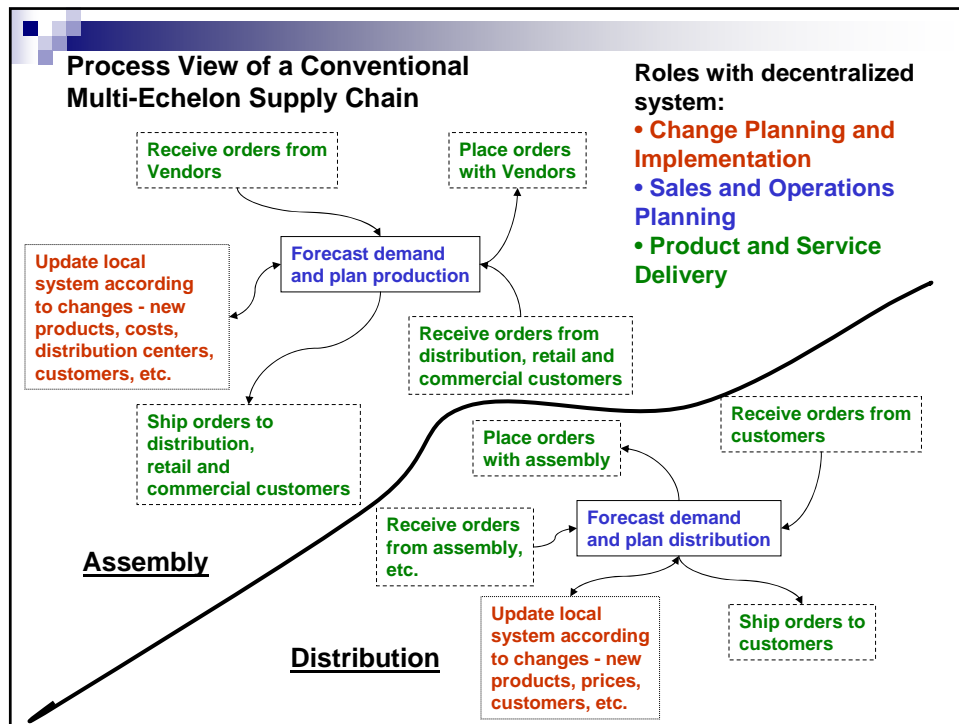
Tactical – Supply Chain View

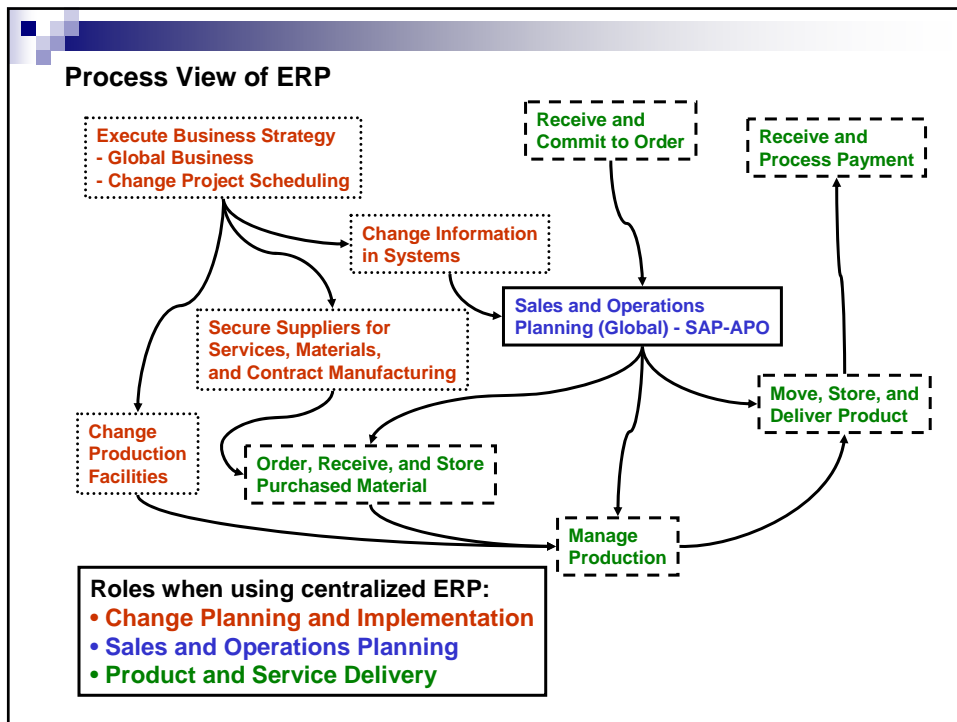
- Supply Chain coordination before and after ERP
 - Next 4 slides

Conventional Multi-Echelon Supply Chain



- Features:**
- Independent systems to manage the interaction between players in the supply chain.
 - Great operational flexibility -
 - Problems - hedging, forecasting uncertainty, visibility limited.. Beer Game type dynamics.





Tactical Issues

- Different roles – especially when much of the decision making is centralized.
- Efficient use of data – how many times do you need to enter the same data for different jobs/tasks.
- Training issues – how do we get people to use the new system.
- Many other issues – security, sharing data, mutual (collaborative) decision making, etc.



Strategic Issues

- What are compelling reasons to do this?
 - Is it a “qualifier” in certain industries?
 - Are the efficiencies real?
- How much are we willing to change the organization?
 - Are these practices really better than what we are currently doing?
- Do we lose or gain a strategic advantage?
 - If everyone is doing this, how can we gain an advantage?