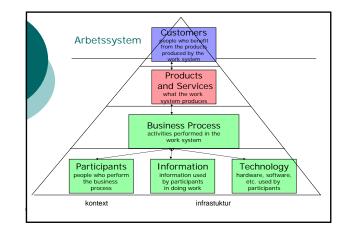
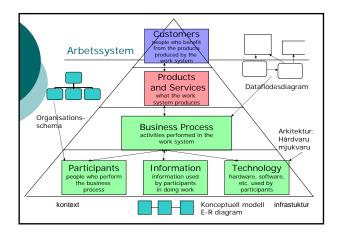
Systemarkitektur

Datortyper Hårdvaruarkitektur Mjukvaruarkitektur

Kapitel 8, 9, 10





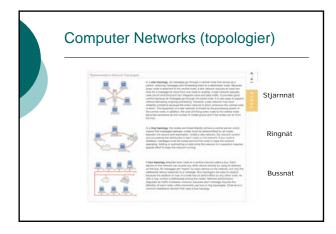


		riabler for IT
1.5	Parlamente Variables for 17	
	GROUP OF PERFORMANCE VARIABLES	TYPICAL IDLE RAISED WHEN USING THIS TERM. TO DESCRIBE A PARTICULAR TECHNOLOGY
101	Functional capabilities and limitations	What types of processing is the technology supposed to perform and relationapublities does 2 have?
100	+ Departy	How much internation can 8 store or process?
1.5	+ Speed	How fast can it process date or instructions?
10.05	Pico-pathemates	How many dollars does it cost per annual of information stands or for a given calculat speed?
	+ Parlamity	How long will it likely continue spending without arrows or unplaced interruptions?
	Coesting condition	How much space alone it take up? How much down it weigh? What temperature down it require? How much electricity down it usuar?
	Eres of use	How easy to it to use this technology?
	Ousily of user interface	Internation and any to been in the method for instructing the behndugg to perform test?
	· Date of Security professor	How much effort is required to become proficient in using the technology?
	+ Punkting	How many is it for the user its more the inclinitings in the course of doing work?
	Comparitolity	How easy is it to get this bohnslogy to sock with other complementary technologi
	+ Guiltomance to standards	To shall assert store the technology conform to accepted industry standards?
	* Interpretability	To what setent does the technology use the same internal coding and external interface as other technology it must operate with or substitute to?
	Maintainability	How easy is it to keep the lachoolingy operating over time?
	+ Modularity	Is 8 sholded into molicies that can be enapsed together when building symetric? Can these modules to replaced by equivalent modules if receivancy?
	+ Bosteniny	to it possible to significantly increase or decrease capacity without major strangiture?
	+ Faultains	Is it possible to change important aspects of system specifics without regar disruption

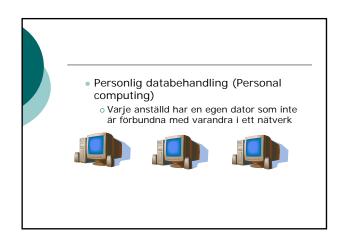


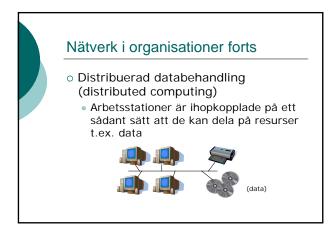


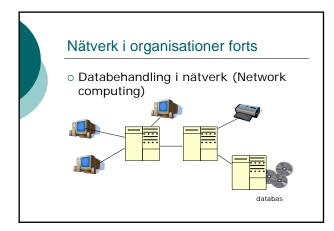


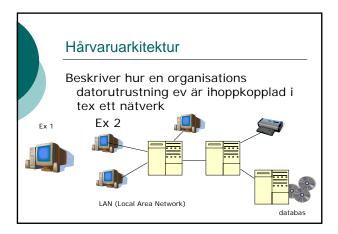


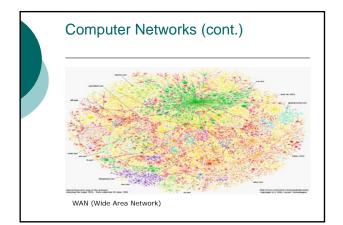


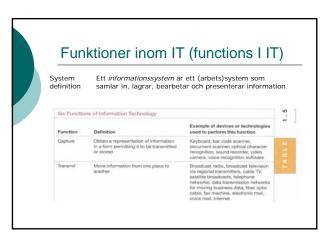




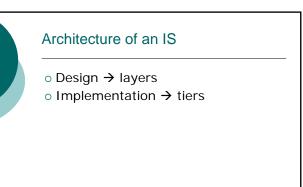


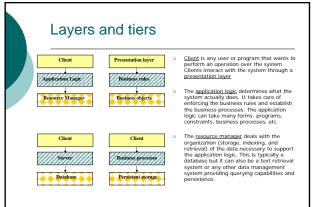


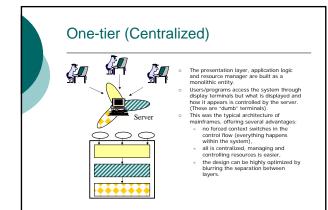


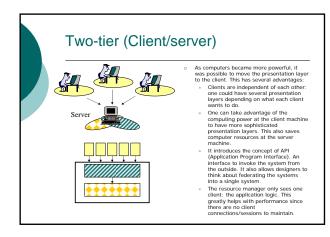


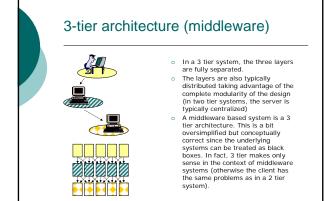
Store	Move information to a specific place for later retrieval	Paper, computer tape, floppy disk, hard disk, optical disk, CD-ROM, flash memory
Retrieve	Find the specific information that is currently needed	Paper, computer tape, floppy disk hard disk, optical disk, CD-ROM, flash memory
Manipulate	Create new information from existing information through summarizing, sorting, rearranging, reformatting, or other types of calculations	Computer (plus software)
Display	Show information to a person	Laser printer, computer screen



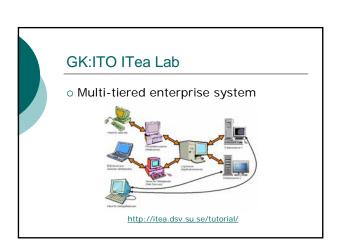








N-tier architecture (Web)
Web server presentation loyer HTML filter application logic layer middleware resource management layer information system



GK:ITO ITea Lab

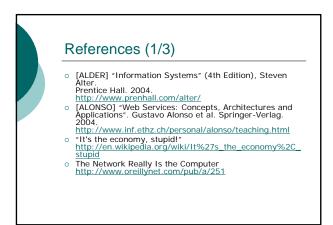
- \circ Use ITea as a customer → Website
- \circ Use ITea as a business customer \rightarrow B2B
- Use ITea as a manager → Chef
- \circ Explore the ITea architecture \rightarrow Arkitektur
- \circ Explore the ITea databases \rightarrow Databaser
- Understand the system calls inside the
- different parts of the ITea system
 o Look at the ITea documentation → Dokumentation
- o Take the test! → Formulär

GK:ITO ITea Lab

Start here: <u>http://itea.dsv.su.se/tutorial/</u>

Work individually or in pairs, but do the final assignment individually!





References (2/3)

- Imperative programming: <u>http://en.wikipedia.org/wiki/Imperati</u> <u>ve_programming</u>
- Declarative programming: <u>http://en.wikipedia.org/wiki/Declarati</u> ve_programming