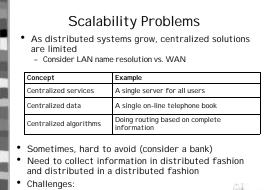
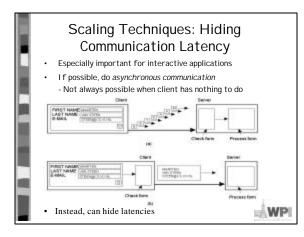
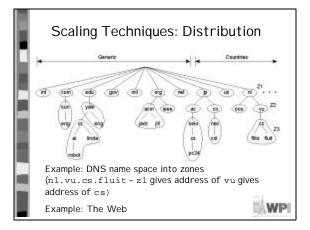
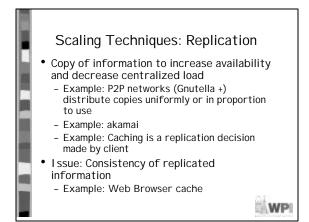


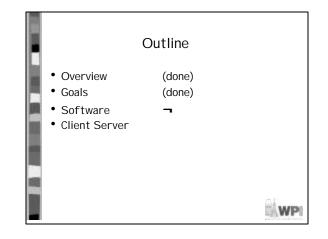
Transparency	Description		
Access	Hide differences in data representation and how a resource i accessed		
Location	Hide where a resource is located		
Migration	Hide that a resource may move to another location		
Relocation	Hide that a resource may be moved to another location while in use		
Replication	Hide that a resource may be shared by several competitive users		
Concurrency	Hide that a resource may be shared by several competitive users		
Failure	Hide the failure and recovery of a resource		
Persistence	Hide whether a (software) resource is in memory or on disk		

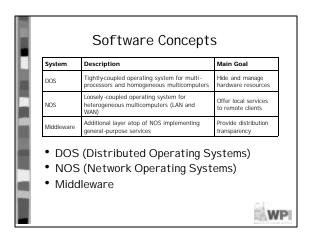


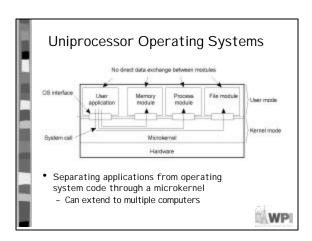


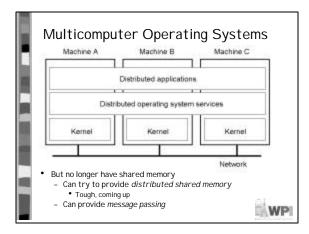


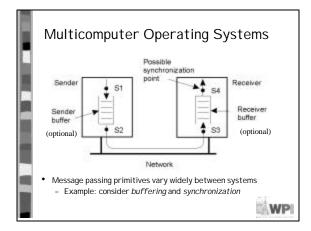




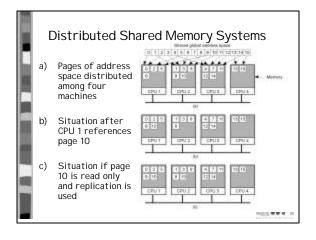


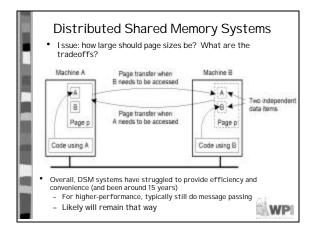


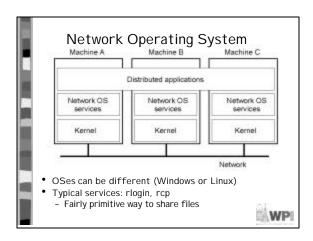


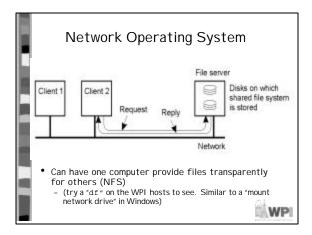


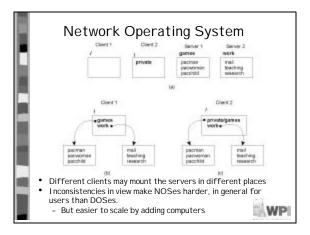
	Send buffer Reliable comm. guaranteed?	
Block sender until buffer not full Yes	Not necessary	
Block sender until message sent No	Not necessary	
Block sender until message received No	Necessary	
Block sender until message delivered No	Necessary	

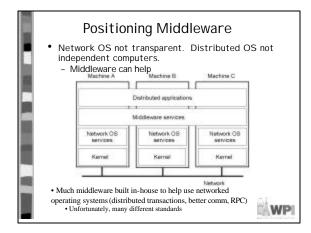


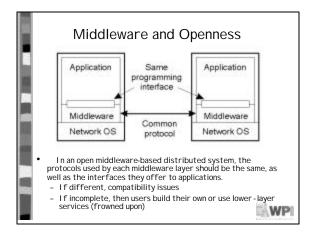












Item	Distributed OS		Network	Middleware
	Multiproc.	Multicomp.	os	based OS
Degree of transparency	Very High	High	Low	High
Same OS on all nodes	Yes	Yes	No	No
Number of copies of OS	1	N	N	N
Basis for communication	Shared memory	Messages	Files	Model specif
Resource management	Global, central	Global, distributed	Per node	Per node
Scalability	No	Moderately	Yes	Varies
Openness	Closed	Closed	Open	Open

