







	OPENNESS			
	Extensible: easy to reconfigure, add, remove, replace components from different developers			
	Example: replace the underlying file system of a distributed system			
	 To be open, we would like to <u>separate policy from mechanism</u> Policy may change Mechanism is the technological implementation Avoid coupling policy and mechanism Enables flexibility 			
Similar to separation of concerns, modular/00 design prin			iple	
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COMPUTER CLUSTERS

Clusters: Commodity computers connected by Ethernet switches

- More scalable than conventional servers
- Much cheaper than conventional servers
- Dependability through extensive redundancy
- Few administrators for 1000s servers
- Careful selection of identical HW/SW Interchangeable components

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Virtual Machine Monitors simplify operation
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@ 1 hour @ 1000 hours

L2.38

