	Sos prisons bos noitostan
Canan a	3
Frank to	lec 1 - intoro to 09 (Part 2)
	Cool
	Cashing
8	method of storing frequently used data to
9	RAM. Whe program need to be executed it first looks
1 3000 10 0 10	for cashe if cashe not there fetch it and execute it
11	
12	Migration of a dota from Disk to registers,
13	
14	the storage and when it in processing it should be
00 (1015	09 5 mainly in Aultiprocessor environment.
16	
17	magnetic digh main memory cache register
18)	a=5 a=5
19	toon tonget type (clow) the policy
20	Cashe cherency > means all cours must have the
1999 4 21	most recent value of the briable in cache.
	110 Bub gygtem jobg
24	. Momory managment
25	· Buffering - Storing data temporarily While transfer
26	» Caching
27	· Spooling - ovelopping a output of onother job with
28	input of another job.
29	o general device-driver interface.
30	
> 9 31 / 1	sof Belvory Constant entropy of the Provider for
32	before sucted about a pathold
33	
1	400000000000000000000000000000000000000

	Protection and Becarity.
	Protection - Controlling 1 limiting the users or proces
	-Per Con happen at a given time.
	Security protecting the System from internal and
	externol attacks. (user ID) group ID)
	to racke it cooks not there tetch it and everut
	of Privileg & escalation - allows users to change
11	In to more effetive way,
12	Migration of a dota from Diak to registers
(1) 13	Virtualization planers stob of.
5 14	the Otorage and when it in processing it charte
15	
16	· Wed vmm Critual mathine manager).
(9H2)0917	magnetic diet man memond cacher
2 7 (18	Emulation used When cpu type different
	from target type, (Glow)
	trum ? 49 Virtualization - 05 compiled according to cou
21	Structure, quest oses also compiled according to CPU.
22	
23	Distribeted Bystems, Pagi motore dus of
24	· Collection of devices that connected though
25	the internet against that account accounts account a
26	ex: LAN paidon)
27	- Epaching - eveloping and way feel at another is
28	do MANIDAD to tugar
29	
30	opened devices drives MAP fore
31	Network operating System. provide feature.
32	between Systems along the network
	Samanala

2	Computer System architecture
3	es a sobre levelt boot o
. 4	multiprocessors 1 parallel Systems / tightly coupled
5	System - Which having more than a 1 processor.
6	Pero to peop
7	advantage r
8	o increased reliability
9	o increased processing speed
10	· fast output.
11	
12	Types of multiprocessing gystems (2)
13	offsymmetric - each processor has separate
14	task
15	· Symmetric - perform all tash.
16	o seavore responding to request mode by
17	Dual core Cesign
000700118	o Non - uniform memory Access System
19	(99) (89 98) reform lec 911d = 1.56 - 1.57
500t9 20	o File rerver siten - provide intentace to
	Clustered Systems,
22	Company and a series of the land
23	multiple systems Work together Storage stared using
7 💭 24	Storage - area - network (SAN)
25	Server and to offer the server and the
26	· Asymmetric Clustering - hove one machine stand
27	by the Claud compating walless and by
28	
	opplications, they are drowton although
29	oppredition of the second of t
30	Distributed lock manager (DLm) - have to avoid Collision
31	
32	between operations.
33	
	Samanala
	Ö E
	5

Carlo and	
Computing environments.	
o Traditional - refer 1.63	
Mobile of refer 1, 64	
5 - correct o Client - gerven and low marens	
Pear to pear	
· Cloud computing	
Real time Embedded	
encasased bootszewa akasa	
10 Client - Server.	
12 (Perver) - Network	
13° 01 00 130000 100 0 01010 mm (c2)	
14	
is a deat the meeting of sintenance	
o Servers responding to request made by	
17 Client noise of loads	
o Compute - Server Systems - parvide on interst	200
e to regert services (BD PB)	,
o File-Perver Sytem - provide interface to sho	re
and retrieve tiles.	
2022 at tol 2 motting porregogation to some	
mores Peer to peer (pop) pot 1001 miles sighten	
· Connection between client act as	
25 Server and elient.	
Asymmetric dustring - Lote one machine ato	
or Cloud computing	
app con be used.	
Overthe network, vie virtualization	
30	-
allo 31 and cloud type a lacence and battered	
32 and ange assured	
33	
Samanala	

1	
2	public cloud - available to everyone.
3	Private cloud - run by a company for their use
4	Hybri'd cloud - include bath private and Publice.
5	include bath privio
6	Cloud sampeting provides.
7	· Software as Service (900) gaas)
8	Platform as service (paas)
9	o infartructure as a Service Ciaas)
10 811	Real-Time Enhedded Syrtems.
12	· Special purpose real time user.
13	Can perform tanks without or as Well.
14	
15	
16	kernel data structure
17	(zefer 1,73 - 1,76)
18	
19	
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