Memory

Α		Secondary Storage: Types			B Secondary Storage: Qualities					
		A type of SSD which stores information by forcing			Сар	acity	/	Amount of da	ta a storage device can	
		elec	trons through a barrier with a large current					hold		
Magnetic Ch		Che	heap storage which requires moving parts and		Durability		ty	How well the	device resists damage	
		writ	able magnetic disks	3	Portability		ity	How easily th	e device can be carried	
Optical Ch		Che	ap storage which requires a laser and a disk	4	Reliability		ty	How well the	data resists corruption	
Solid State M		Mer	emory with no moving parts		Speed How quickly the		How quickly t	he data can be read from		
Drive (SSD)								the storage d	evice	
С			Primary Storage	6	Cost			Pounds per GB		
Main memory		,	Other ways of saying RAM		Е			Th	e Cloud	
Primary stora		ge		CI	oud		Rem	otely located	storage and software,	
Virtual memo		ry	Part of secondary storage which is used as			ā	acce	essed via the internet		
			main memory when RAM is full		Advantages			ntages	Disadvantages	
Dynamic RAM			Single transistor / capacitor RAM which needs	1	Noı	No need to update		update	Entrusting potentially	
			to be refreshed every few milliseconds		application s 2 No need to r		ion s	oftware	sensitive data with	
Static RAM			4/5 transistor RAM which can hold data						outsiders	
			without being refreshed (but does need power)	2			eed to maintain the		Safety and security of	
D	D		Key Vocab		equipment, software or		software or	sensitive data is outside		
Read Only			Non-volatile memory which cannot be over-	 					your control	
Memory (ROM)		/ 1)	written. Generally used for booting	3	No need to employ			The service must be		
Storage device		е	Any hardware which can hold, read and write data		network ma other techni			•	totally reliable	
Storage mediu		ım	The type of material or method used to store data	4	Service provider takes care of backups				Requires internet connection	
Tertiary storage		ge	External high-capacity storage		_			e files and		
Volatile			Memory which requires power		collaborate across					
Non-volatile			Memory which persists without power		platforms and locations			nd locations		