(Mitosilbuturix boxund - wint raph 1. Vintualization 20100 2010 with militarity Notiving pet vintualization allows multiplemen operating system concurrently on a single computer. I supply y it means of separating hardware from a single os. Before using vintualization, we had: single 05 per machine (vito) 100 / withoutide ut is software and hardware tightly coupledness but our undrutilized newwo (idle time) inflexibility Landwood conclute time in completely vintualization gives you: Hodward andependence of 05 and applications it outside soft of the as and applications loginite unit Ability to encapsulate provision un to any system (with it will well Approaches or ways to viritualizes cloud sorvers mitigation woutlos + belleving the processing workloads rooterly distributed among different physical solvers, and their menultinically than collected as one. holder I deliger in the last 9.05 - level vintualization -> Here, multiple instances of an application can num in inolated form on a single os

3. Hypervisor - based vintualization -> with hyporvisot's vintualization, there are various is sub-approachy

to tutil the goal to mun multiple applications of other loads on a single physical bhostor price o 10 phonones for marker to

4. Hardwore vintualization

: part ou contestadury It is the abstraction of computing necessaries from the software that uses cloud resources will get usurered but

(and ubi) is puxsue to dituit by a

Typer

- 1. Full vintualization
- -> Here the hoordware architecture in completely simulated.
- 2. Emulation vintualization
 - -> Here they vintual machine simulated the #/w/F is independent
- 3. Para vintualization and is not simulated, instead the quest stw runs it isolated syllon stomation of your so response
- software vintualization
- software vintualization is similar to that of vintualization except that it is capable to abstract the software installation procedure and Great vintual s/w installation.

6. Sorver vintualization:

In this process, the server resources are kept hidden from the west.

used in web-servery which reduces ey this technique is mainly SOWIGH. the cost of web-hostings

-> Instead of having separate system for each web-server, multiple on the same system/computer. violitual solvers can tun

Types of vintualization

1. Hardware

- Full HWV

- partial +/w V

- para H/w V

H/W = Horadware v = vintualization

2. Network

- Internal NIW V

- External N/W V

3. storage

- Block V

- File V

4. Memory - Application level integration

- os level integration

5. soffwall

- os level

- application level

- service level

6. Data - natabase

7. Desktop - v Dinka, Hosted v D

vo= vittled perktop