SNS COLLEGE OF ENGINEE

Kurumbapalayam(Po), Coimbatore – 641 107 Accredited by NAAC-UGC with 'A' Grade Approved by AICTE, Recognized by UGC & Affiliated to Anna Univer

Department of Information Tech

s of Virtualization

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be.com/watch?time continue=148&v=OoGFIbXTNjY&

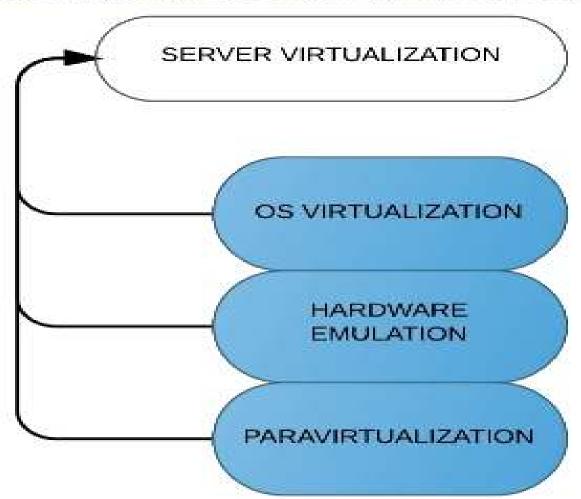
i ypcs of virtualization

- latform Virtualization (Close to Cloud Computing
- Full Virtualization
- Paravirtualization
- Hardware-assisted Virtualization
- Partial Virtualization
- OS-level Virtualization
- Memory Virtualization
- esktop Virtualization
- application Virtualization
- letwork (Device and I/O) Virtualization

Server Virtualization

g multiple physical servers into virtual servers that run on a single

ver.





tualization also known as hardware-assisted virt lization runs on the concept that an individual is ardware or a physical server, may be made upware segments or servers, essentially consolidaters into virtual servers that run on a single primers.

tion t software does not require any modifications sind dware is fully simulated.

rtual machine simulates the hardware and becon operating system does not require any modificat

tualization –

tion ardware is not simulated and the guest software ns.





nments on the host machine. It creates a con hardware that lets the guest operating system to stem Virtualization – hosting multiple OS on the response to the stem to the ste

Olityale viitalizati

/irtualization – hosting individual applications in a separate from the native OS

alization – hosting specific processes and services

lication

ory across different servers is aggregated in mory pool. It provides the benefit of an enlarge ory.

vel control – Applications access the memory poo

tem level control – Access to the memory poderating system

Storage Virtualization in Cloud Computing

Why Implemented Ricks Methods

Address Space Remapping Advantages **Centralized Management**

ical storage devices are grouped together, which e device.

various advantages such as homogenization of established established speeds, reduced better optimization of performance and speed.

ation – Multiple storage devices are consolidated

tion – Storage system grants access to files that

manipulate data, as the data is presented as an pendent of data structure and database systen ormatting errors.

tualization, multiple sub-networks can be created to key, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may or may not is authorized to concept, which may not is authorized to concept, which may not is authorized to concept, which may not include the concept, which may not include th

c administrator's scale up the network appropriat

rk: Consolidation of multiple networks into a sing single network into multiple ones

rk: Enables a single system to function like a netw

the most common form of virtualization for user's desktop is stored on a remote server, allowed promany device or location.

work conveniently from the comfort of their less place over secure protocols, any risk of data the