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Batch – 5(Ai & Ml)

CLASS-TEST-2

1. Desktop Virtualization vs Network Virtualization.

Desktop Virtualization :

Creating a virtual desktop infrastructure, or VDI, makes it possible to work and store files in locations that everyone in your team can easily access no matter where they work.

Desktop virtualization allows people to access multiple applications and operating systems (OS) on a single computer because the applications and OSs are installed on virtual machines that run on a server in the data center.

A virtual machine (VM) is essentially a physical computer, like at your desk, but in software form. VMs are organized using hypervisors, which help the physical computer and the VMs run as intended.

When it comes to desktop virtualization, there are two main methods: local and remote. Local and remote desktop virtualization are both possible depending on the business needs. However, local desktop virtualization has many limitations, including the inability to use a mobile device to access the network resources.

Network Virtualization:

Network virtualization blends the physical and virtual network, using components from both to create an environment that is much easier to administrate than a strictly physical one.

Using software, network virtualization disconnects the virtual network from the physical hardware, making it possible to use switches to direct network traffic and manage resources through traffic surges.

Network virtualization is key to developing new programs and apps. By testing newly developed apps on a virtual network before releasing them to the public, developers can catch any potential flaws or bugs and optimize the performance of the app based on how it performs in the virtual environment.

2. Discuss VPN in detail..

VPN stands for the virtual private network. A virtual private network (VPN) is a technology that creates a safe and encrypted connection over a less secure network, such as the internet. A Virtual Private Network is a way to extend a private network using a public network such as the internet. The name only suggests that it is a Virtual "private network" i.e. user can be part of a local network sitting at a remote location. It makes use of tunneling protocols to establish a secure connection.

1. VPN also ensures security by providing an encrypted tunnel between client and VPN server.
2. VPN is used to bypass many blocked sites.
3. VPN facilitates Anonymous browsing by hiding your ip address.
4. Also, most appropriate Search engine optimization(SEO) is done by analyzing the data from VPN providers which provide country-wise stats of browsing a particular product. This method of SEO is used widely my many internet marketing managers to form new strategies.