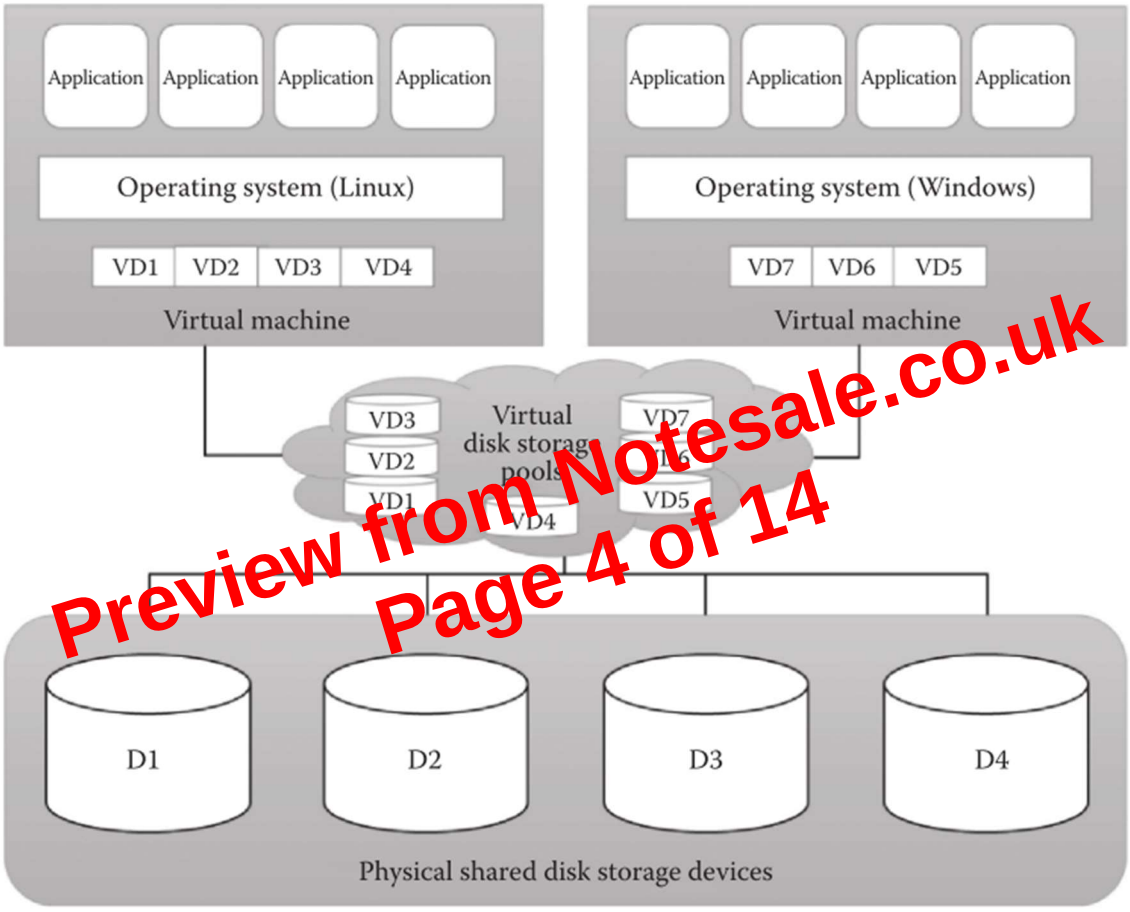
of virtual storage disks to the VMs. The virtualized storage will be called a logical storage.

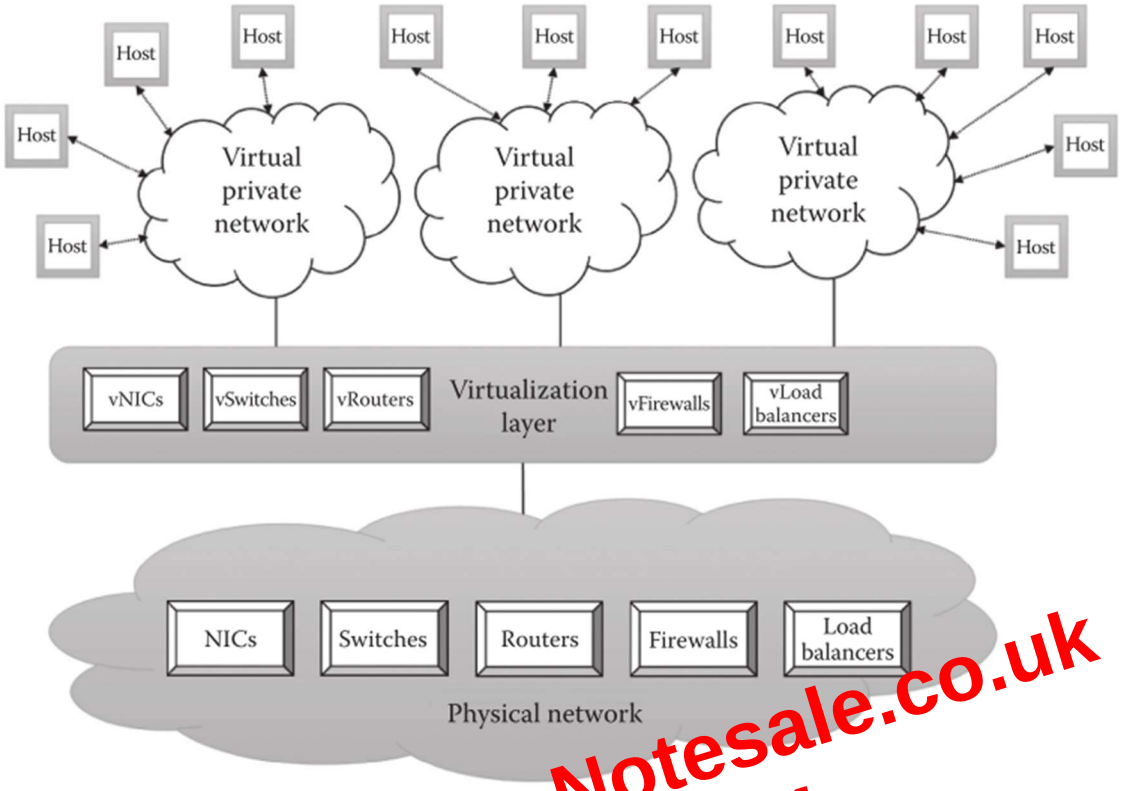
This is mainly used for maintaining a backup or replica of the date that are stored on the VMs. It can be achieved through the hypervisors. It efficiently utilized the underlying physical storage. The other advanced storage virtualization techniques are storage area networks (SAN) and network-attached storage (NAS). The concept of storage virtualization is shows in the figure below



4.Network Virtualization:

Network virtualization is the process of abstracting physical networking components to form a virtual network. These physical network components like router, switch, and Network Interface Card (NIC) will be controlled by the virtualization software to provide virtual network components. The virtual hardware and software resources.

Advantage of network virtualization is it enables the communication between the VMs that share the physical network. The concept of network virtualization is shows below:



5.Data Virtualization:

Data virtualization is the ability to retrieve the data without knowing its type and the actual physical location where it is stored. It aggregates the heterogeneous data from the different sources to a single virtual volume of data. This data can be accessed from any applications such as web services, E-commerce applications, web portals, Software as a Service (Saas) applications, and mobile application. It is mainly used in data integration, business intelligence, and cloud computing. This figure below represents data virtualization technology:-

5.Data Virtualization: