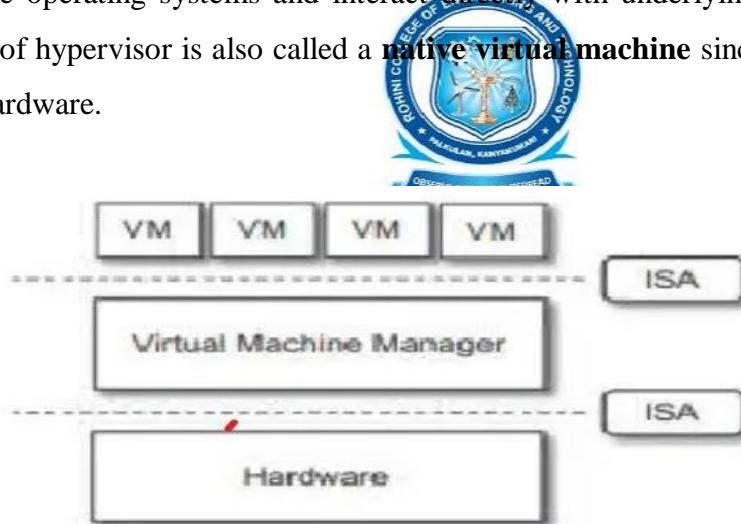


## 2.2. Hypervisors

- A fundamental element of hardware virtualization is the hypervisor, or virtual machine manager (VMM). It recreates a hardware environment in which guest operating systems are installed. There are two major types of hypervisors: Type I and Type II.

- **Type I :**

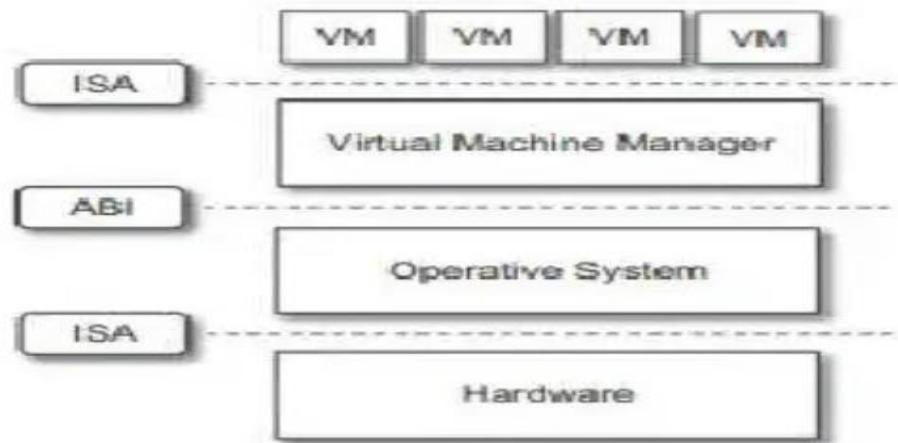
Hypervisors run directly on top of the hardware. Therefore, they take the place of the operating systems and interact directly with underlying hardware. This type of hypervisor is also called a **native virtual machine** since it runs natively on hardware.



### Type I

#### Type II:

Hypervisors require the support of an operating system to provide virtualization services. This means that they are programs managed by the operating system, which interact with it hardware for guest operating systems. This type of hypervisor is also called a hosted virtual machine since it is hosted with in an operating system.



Type II

