**Xen Project** is a hypervisor using a microkernel design, providing services that allow multiple computer operating systems to execute on the same computer hardware concurrently.

Xen makes it possible for multiple guest operating systems to run on a single computer by using a software layer called a hypervisor to mediate access to the real hardware. The hypervisor acts like a traffic cop, directing hardware access and coordinating requests from the guest operating systems.

Feature:

Virtualization helps to integrate several servers into a  physical server in such a way that every server appears  as a standalone server to the users. The three types of  popular server virtualizations are **OS virtualization**, **hardware emulation** and **paravirtualization.**

Since OS virtualization provide least overhead among all types of virtualization solution, they offer highest performance and highest density of virtual environment.