5. Use Cases of Hypervisors

Data Centers and Server Consolidation: Hypervisors are extensively used in data centers to consolidate multiple physical servers onto a single host, optimizing resource utilization and reducing hardware costs.

Software Development and Testing: Hypervisors provide isolated environments for software developers and testers to work with different operating systems and test their applications in controlled settings.

Cloud Computing: Cloud providers use hypervisors to create and manage virtual machines, enabling customers to deploy applications in the cloud without worrying about the underlying infrastructure.

Desktop Virtualization: Hypervisors enable virtual desktop infrastructure (VDI), allowing multiple virtual desktops to run on a single physical machine, offering centralized management and enhanced security.

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