system, providing a user-friendly interface for managing VMs (e.g., VMware Workstation, Oracle VirtualBox).

2. **Virtual Machine Monitor (VMM)**: The VMM is responsible for allocating system resources such as CPU, memory, and storage to each VM. It ensures that resources are distributed efficiently, allowing multiple VMs to coexist without performance degradation.
3. **Guest Operating Systems**: Each VM can run its own operating system, known as the guest OS. This flexibility allows organizations to deploy diverse applications and services in parallel, catering to various operational requirements and use cases.
4. **Management Tools**: Various management tools and interfaces enable the deployment, monitoring, and administration of virtual environments. These tools provide centralized control over the virtual infrastructure, allowing administrators to manage resources, configure VMs, and troubleshoot issues efficiently.
5. **Networking and Storage Virtualization**: Virtualization extends beyond computing resources to include networking and storage. Virtual networks facilitate secure communication between VMs, while storage virtualization optimizes data management across physical storage devices. This comprehensive approach enhances overall resource utilization and performance.

System calls

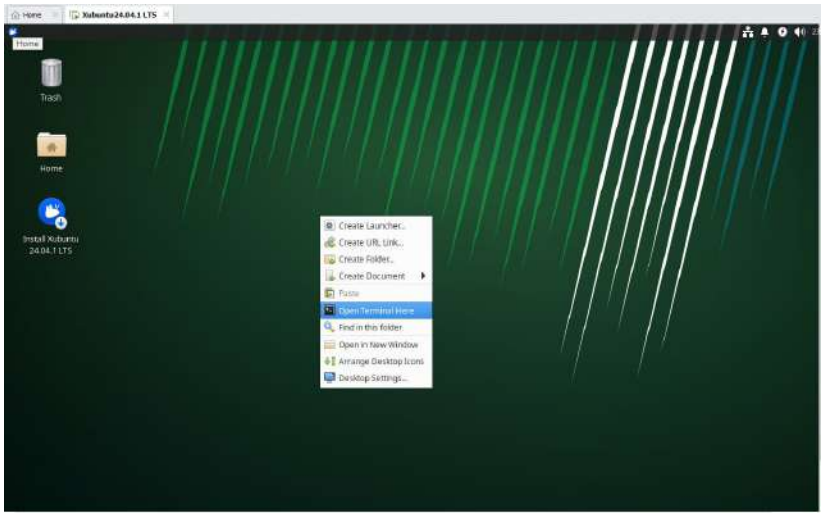
System calls are what allow user applications to request services from the operating system's kernel. They serve as the interface between a running program and the operating system, enabling applications to perform various functions.

In our case we will be looking at the **rmdir** (which removes an empty directory)

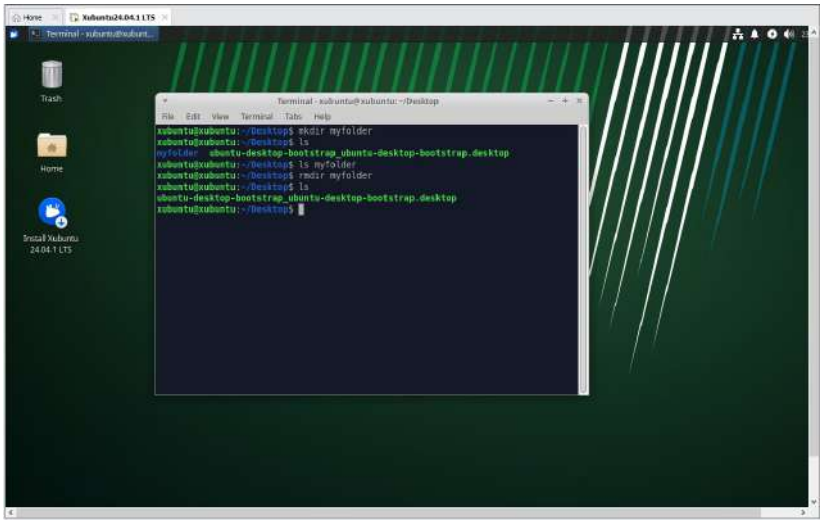
rmdir(removes an empty directory)

Step 1 : open the terminal

- Right click then choose the open terminal



Step 2 : to remove an empty directory first we have to have an empty directory so inorder to so that we will use the **mkdir** then we will use **rmdir** to remove the empty directory



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