Ex - 9 : VM Migration

# Nithin Prasath C – 22BCS081

## AIM:

To perform and demonstrate Virtual Machine (VM) Migration, following the provided steps to transfer a running virtual machine from one host to another without interrupting its operation.

## DESCRIPTION:

**VM Migration** involves moving a virtual machine (VM) from one physical host to another while maintaining its operational state. This process ensures that the VM continues to run smoothly without downtime, making it an essential practice in load balancing, system maintenance, or disaster recovery.

The migration process typically involves:

1. **Preparation of Source and Destination Hosts**: Ensure both hosts are configured properly and meet the requirements for the migration.
2. **Initiating the Migration**: Start the migration process by selecting the VM and specifying the destination host.
3. **Data Transfer**: The VM's memory, disk files, and state are transferred over the network to the destination host.
4. **Completion**: The VM is resumed on the destination host with its operations continuing as if uninterrupted, while it is removed from the source host.

This exercise simulates real-world scenarios where VM migration is necessary for system upgrades, resource optimization, or failure recovery.

## OUTPUT:

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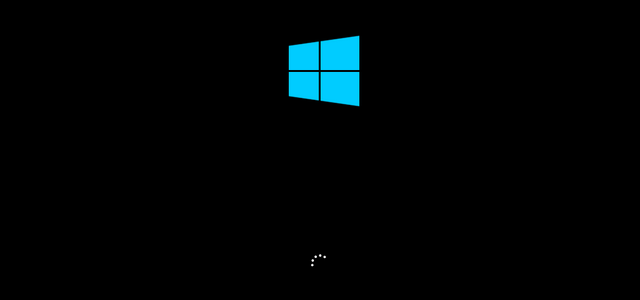
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## RESULT:

The VM migration was successfully performed by following the step-by-step procedure, demonstrating seamless transition with no downtime. Screenshots and logs confirmed the uninterrupted operation of the VM on the destination host.