Windows Server 2025 High Availability and Clustering

Configuring Failover Clustering



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Course Introduction

Failover clustering

- Install, configure, validate
- Shared storage

Network load balancing

- Configure clusters
- Traffic distribution

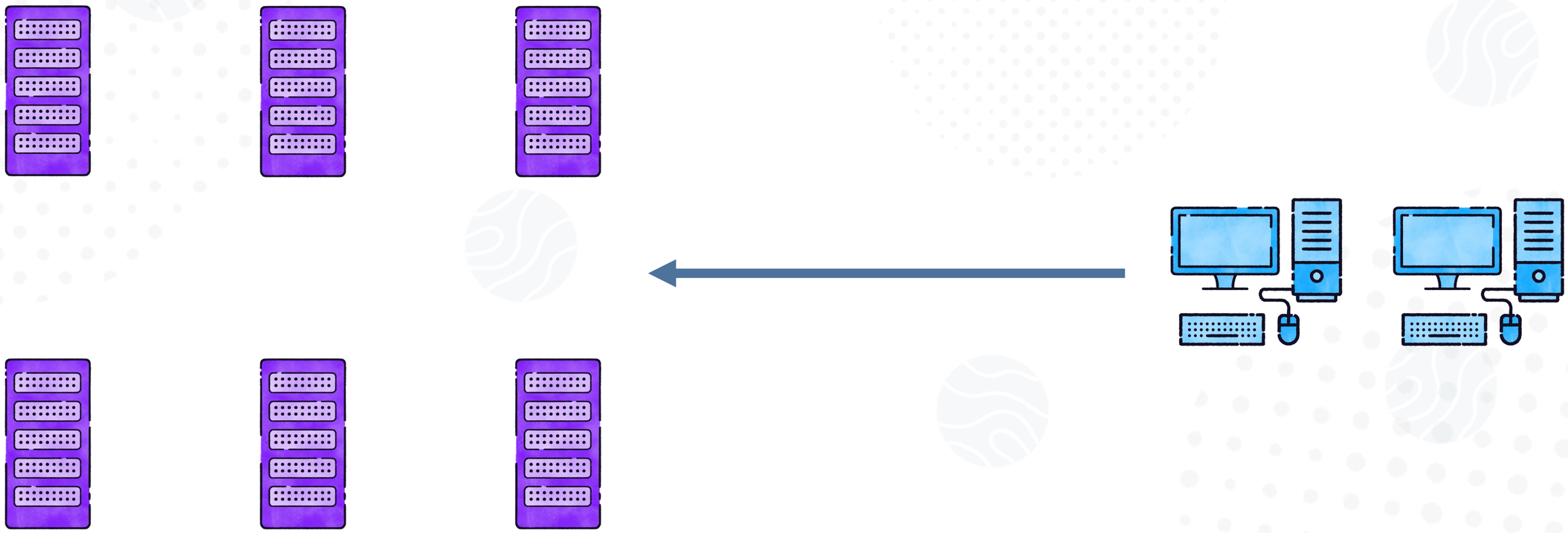
Multi-site clustering

- Storage replication
- Failover/failback

Cluster maintenance

- Patch management
- RBAC

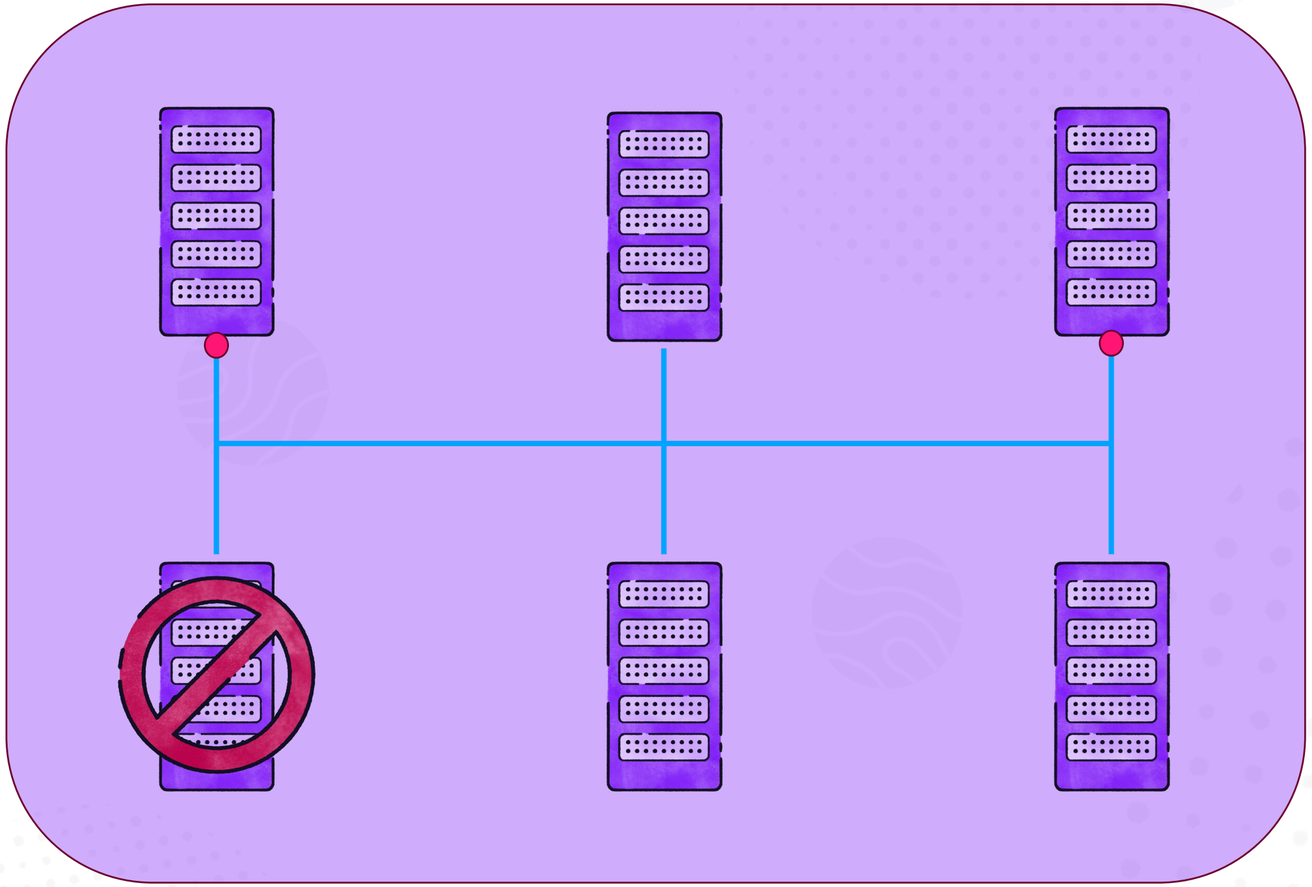
Failover Clustering



Failover Clustering

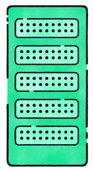


Failover Clustering



Cluster Concepts

Cluster Concepts



Nodes



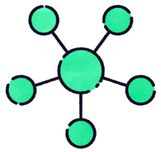
Cluster roles



Shared storage



Heartbeat



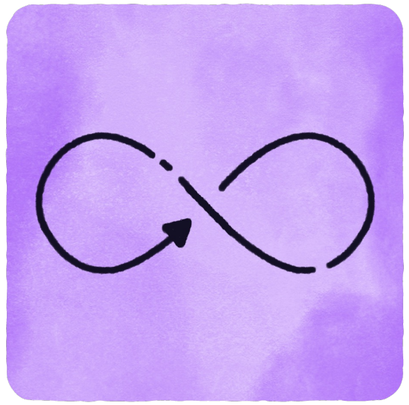
Quorum

Failover Cluster Types

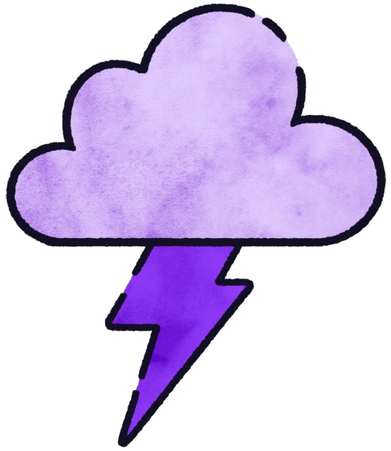
Active-passive

Active-active

Benefits



High availability



Disaster recovery



Simplified maintenance

Demo: Configuring Clustered Storage

Install the Failover Clustering feature and configure clustered storage