Configuring Network Load Balancing

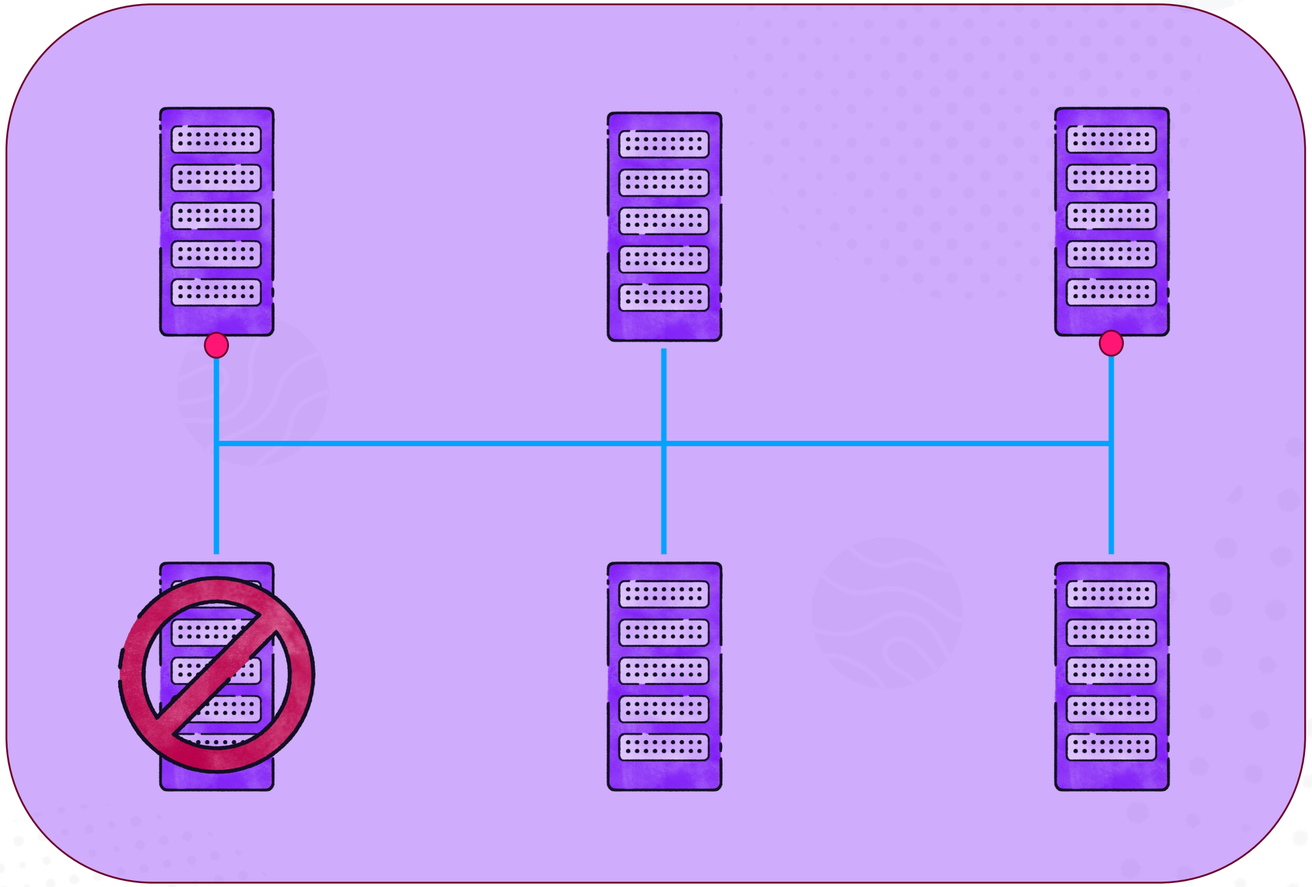


Greg Dickinson
Network Engineer

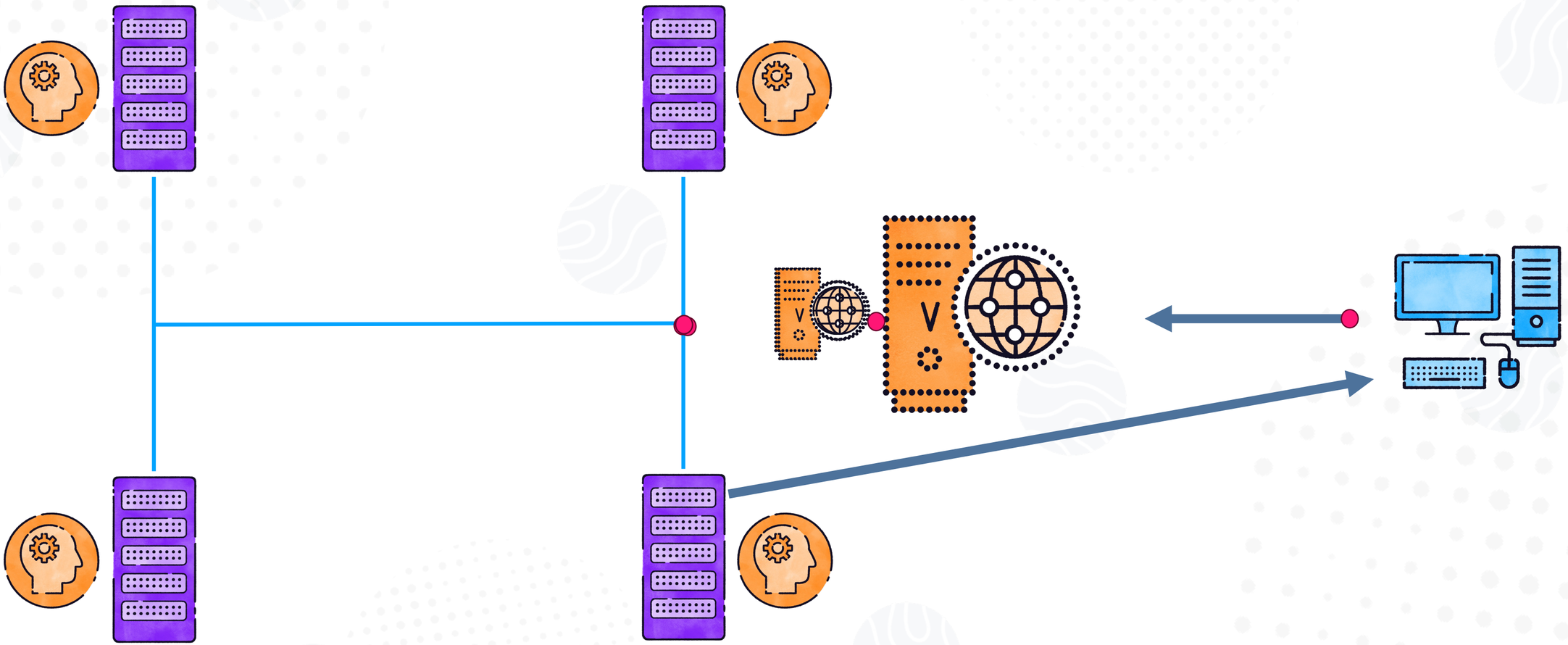
www.hyperpowered.com

Load Balancing Basics

Failover Clustering



Network Load Balancing





Port Rules

Determines how to handle traffic

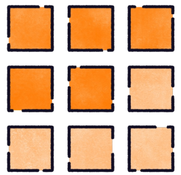
Filtering mode

- Multiple hosts
- Single host

Affinity

- None
- Single
- Network

Load Balancing Features



Load distribution



High availability



Scalability



Single virtual IP address



Stateless applications

Network Load Balancing Modes

Network Load Balancing Operation Modes

Unicast

Every NIC has the same MAC address

Multicast

Requires a static ARP entry and MAC table entry

IGMP Multicast

Requires network hardware that performs IGMP snooping



Windows Server 2025 Network Configuration

Jacob Petrie

Demo: Configuring Load Balancing

Install and configure the Network Load Balancing feature