Configuring Advanced Hyper-V Network Features/

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Diagram Exercise 10

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The Hyper-V virtualization environment is already established in the company. Now, Hyper-V and virtual machines have numerous networking options. NIC teaming provides redundancy so that it can prevent any fault when one or more network adapters go malfunctioning. The virtual switch is set as an external type, which means it can communicate over the network, VMs, and the Hyper-V host. Also, bandwidth management is specified with a maximum bandwidth of 100 Mbps. The Dynamic Host Configuration Protocol (DHCP) guard is also configured so that any VMs cannot act as unauthorized DHCP servers. Since NIC teaming is enabled, the VMQ feature is enabled so that it can filter the packet to deliver network traffic to the VMs. Also, Switch Embedded Teaming (SET) is configured to provide faster performance and better fault tolerance. NIC teaming with SET will provide better supports than traditional teaming.

Legend		
Legend Subtitle		
Symbol	Count	Description
	1	Router
	1	DC
	1	Hyper-V Host
	1	Virtual Switch
	5	Virtual NIC
	3	Virtual machines

NIC Teaming

Virtual Switch

Hyper-V Host

DC