

Installing and Configuring Hyper-V

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Diagram Exercise 5

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The task is to deploy the virtual machines by using the Hyper-V server role. First, the virtual machines connect to Hyper-V, and they can communicate with each other. Before deploying them, the networks are configured into three different types: external, internal, and private. The external network allows the virtual machines to communicate over the ISP and each other as well. The internal network allows communicating between the host and the VMs and also each other. Lastly, private networks allow communication between virtual machines on a Hyper-V host. This is used for the test purpose in the nested virtualization environment.

Virtual machine 1 is Generation 2, and virtual machine 2 is Generation 1. Generation 2 virtual machine does not support many older devices so that Generation 1 virtual machines could support other older devices. Either version cannot be migrated to each other. Generation 2 is automated with the disk selection, but Generation 1 is manually selected. The disk type is differencing with the VHD disk format. It means it reduces data storage requirements and changes dynamically in virtual hard disk storage depending on the parent disk.

When both virtual machines are configured, nested virtualization should deploy in this lab. The purpose of the nested virtualization is to give the virtual machines to be hosts. Each virtual machine has at least 4 GB of static memory, MAC address spoofing with configuration version 8.0. Now, the admin can test things with virtual machines in the 2nd layer in the virtualization environment.

Grammarly processed

