Installing and Configuring Containers

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Diagram Exercise 6

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The lab starts with installing Docker Enterprise Edition into the virtual machine. After installing, the Windows container image needs to be downloaded through the Docker Hub by PowerShell. Once downloaded, the admin deployed a new container into the Hyper-V VM with IP address information of the container host and ports.

From the host, the virtual machine is started by using Hyper-V Manager. In the diagram, the physical server is at the lowest as a foundation, and the Hyper-V hypervisor is right above the physical server. Also, Hyper-V VM is deployed, and Windows kernel or docker is also downloaded inside of the VM. Then, the container is created with Bins/libs and IIS. Finally, this VM created Hyper-V isolation.

Grammarly processed

The physical server refers to the host computer and with the server, Hyper-V Hypervisor is deployed. Inside of the Hyper-V isolation, VM is deployed, and Windows Kernel is inside of the VM. Windows Server container has two parts. One is binaries and libraries; and the other is application, which is IIS.

Hyper-V

Hyper-V VM

WS container

Bin/libs | IIS

Windows

Hyper-V Hypervisor

Physical Server