

Installing and Configuring Server Core

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Diagram Exercise

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The purpose of this lab is to install and configure Windows Server 2016 Datacenter Evaluation Server Core. Since it is an enterprise-level server, the Datacenter Evaluation option is the best choice, rather than the standard option. After installation of the Server Core, the administrator added the DNS server role to the Server Core by using Windows Server with Desktop Experience systems because Server Core does not support GUI.

The primary intent of the diagram is to reduce traffic by sharing their workloads and make the servers work smoothly. It did not use the full installation option because it already has the server/ network infrastructure in the corporation and does not require physical spaces in the server room.

In the diagram, the Domain Controller and DNS server need to be in the server room. When installing the Server Core, it has a role as a secondary zone of the DNS server. It means that the secondary zone manages the DNS server as Read-only DNS server from the primary zone.

When the client computers send the request to the DNS server, it goes to a switch, which determines whether it wants to send it to, and then, it sends and replies requests from the Server Core, instead of the primary zone, depending on the traffic. Once it sends back the information requested, the switch determines to send the data to the specific client computer. The servers in the server room should work as a team back and forth, and the server room should be physically isolated so that it can prevent any threats from the outside.

Grammarly processed

