AD FS, AD RMS Infrastructure, Directory Synchronization, Recovering Object

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As instructed, all the tasks in the module contain into one diagram. First of all, there is a large organization on the right side of the diagram. It has AD DS, SQL server, Web server, AD FS, AD RMS, Email server, and WAP. On the left side, it has AD DS and AD FS. The clients are under the diagram, and Azure AD is on the top side of the diagram. For the recovery in AD DS, it is difficult to show in the diagram because they all can be done with the command prompt in Windows PowerShell.

AD FS

For AD FS, there are several components: federation server, WAP, claims, claim rules, attribute store, claims providers, relying on parties, claim provider trust, certificates, and endpoints. Some of the components had a limitation to be shown. The federation server and the WAP are on the diagram. The federation server is communicating with AD DS, and the WAP is between the firewall so that it can increase the security level. The DNS and DHCP server are in the organization, but they are not shown in the diagram to simplify.

AD RMS

The AD RMS solution is for information protection technology to reduce data leakage. There are four components in AD RMS: AD RMS cluster, AD RMS server, AD RMS client, and AD RMS-enabled apps. The first AD RMS server in the large organization is going to become the AD RMS cluster. The AD RMS clients are going to be in the client organizations. They can interact with the AD RMS-enabled applications on the top side of the large organization.

Directory Synchronization

Azure AD is an Internet-based Active Directory, providing authentication and authorization. The AD DS in the large organization is connected to the Azure AD with the Azure

AD Connect. The organization should have the hardware requirements based on the number of objects in AD DS. Approximately 10,000-50,000 objects are in the AD so that CPU should be 1.6 GHz; memory is 4GB; hard disk size is 70GB. The federation trust will be established between the Azure AD and AD DS domain controller. In the cloud, there is Azure AD Connect Health to monitor and gain insight into how well the connection between AD DS and Azure AD established.