

Create A DNS Forward Lookup Zone

Summary

This article explains the steps to create a DNS Forward Lookup Zone and a DNS Host Record as an example scenario. You may use different names where appropriate.

Applies To

Domain Name Server (DNS)

Solution

Create a new Forward Lookup Zone

To create a new forward lookup zone:

1. Start the DNS snap-in. To do this, click **Start**, point to **Administrative Tools**, and then click **DNS**.
2. Click the DNS Server object for your server in the left pane of the console, and then expand the server object to expand the tree.
3. Right-click **Forward Lookup Zones** and then click **New Zone**. The New Zone Wizard starts. Click **Next** to continue.
4. New Zone Wizard appears, click **Next** to continue.
5. Select "Primary Zone" to create a copy of your zone and click **Next** to continue.

Tip: You can select the check box at the bottom of the New Zone Wizard on a Domain Controller (DC) to store the zone information in Active Directory (AD).

6. From the "Active Directory Zone Replication Scope" dialog box select one of the radial button options or accept the default of "To all domain controllers in the Active Directory domain Name.Com and click **Next**.
7. From the "Forward or Reverse Lookup Zone" dialog box select Forward lookup zone and click **Next**.
8. In the **Zone Name** box, type the name of the zone (for example, type newzone.com), and then click **Next**.

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NOTE: This name is typically the same as the DNS suffix of the host computers for which you want to create the zone.

9. From the "Dynamic Update" dialog box select one of the radial button options or accept the default of "Allow only secure dynamic updates (recommended for Active Directory)" and click **Next** to complete the task.

10. Click **Finish**.

11. The new zone is listed under **Forward Lookup Zones** in the DNS tree.

Create a Host or "A" record

To create a host or "A" record:

1. Start the DNS snap-in.

2. Click the DNS Server object for your server in the left pane of the console, and then expand the server object to expand the tree.

3. Expand **Forward Lookup Zones**.

4. Under **Forward Lookup Zones**, right-click the zone that you want (for example, newzone.com), and then click **New Host(A)**.

5. In the **Name (uses parent domain name if blank)** box, type the name of the host that you want to add.

6. For example, if you want to add a host record for a Web server, type **mysite**. And In the **IP address** box, type the IP address of the host that you want to add. **For example**, type **192.168.1.161**.

7. Select the **Create associated pointer (PTR)** record check box, and then click **Add Host**.

The host record **mysite.newzone.com** was successfully created.

Click **OK**.

8. When you are finished adding hosts, click **Done**.

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9. We must run the **ipconfig / flushdns** under the command prompt in order for the sites to be accessible

10. When using registry-based configuration, changes are applied to DNS servers only when the DNS Server service is re-initialized. So **Restart** the DNS,

11. Now you can check the connectivity using the **ping** command at command prompt.

For example, **ping mysite.newzone.com**

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/50069/Create-A-DNS-Forward-Lookup-Zone>