Delegating Zones

You can delegate the responsibility of certain DNS zones to certain servers. You might want to delegate zones if you have any of the following needs:

- To entrust management of DNS zones to another department or group.

- To divide traffic load for a large zone into smaller zones to even out DNS requesting traffic.

- To add a large number of sub domains at the same time.

The benefits of using DNS delegation are as follows:

- they provide redundancy of zones.

- they reduce DNS network traffic.

- they supply secondary servers to reduce loads on primary servers.

Creating a Delegated DNS Zone

1. Open the DNS management snap-in by selecting **Start | Administrative Tools | DNS**.

2. Expand the DNS server and locate the zone you created earlier.

3. Right-click the zone and choose the **New Delegation** command.

4. The **New Delegation Wizard** appears. Click **Next** to close the initial wizard page.

5. Enter **ns1** (or whatever other name you like) in the **Delegated Domain** field of the **Delegated Domain Name** page. This is the name of the domain for which you want to delegate authority to another DNS server. It should be a subdomain of the primary domain (eg: to delegate authority for *admin.coatbank.com*, you'd enter *admin* in the **Delegated Domain** field). Click **Next** to complete this step.

6. When the **Name Servers** page appears, click the **Add** button to add the name and IP address(es) of the servers that will be hosting the newly delegated zone (enter the zone name you used earlier). Click the **Resolve** button to automatically resolve this domain name's IP address into the IP address field. Click **OK,** then click Next to continue with the wizard.

7. Click **Finish**. The **New Delegation** wizard will disappear and you'll see the new zone you've just created appear beneath the zone you selected in Step 4. The newly delegated zone's folder icon is drawn in grey to indicate that control of the zone is delegated.