

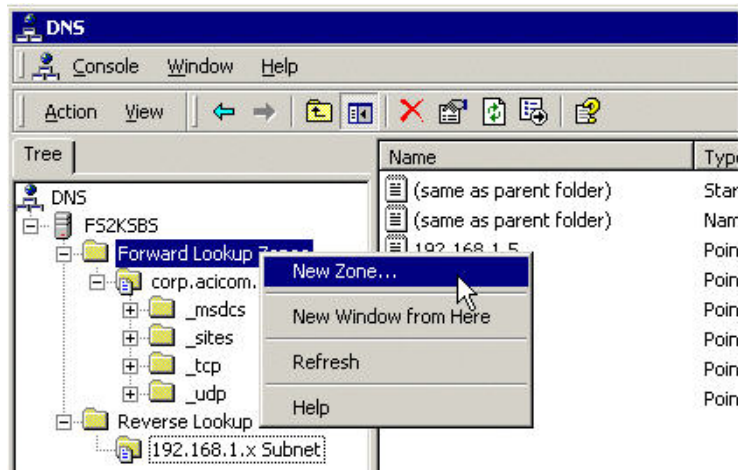
## Create Local DNS records for Testing Purposes

### Overview

When configuring Internet email access for a network with a Microsoft Win2000 Server with Exchange, it is preferred to have the Internet Service Provider (ISP) provide automatic forwarding of all SMTP mail to the Exchange server. In this configuration all email addressed to anyone at the destination domain name will be automatically routed to the Exchange server for distribution by exchange to the appropriate individual mailbox as the final destination. This automatic forwarding is referred to as *mail bagging*.

To setup mail bagging, one must request the ISP to setup and maintain **MX** and **a** records (containing the domain name and the TCP/IP address of the Exchange server). Remember however, that a significant delay (approx 1-3 days) is to be expected before the **MX** and **a** records are programmed at the ISP, made live at the ISP, then propagated thru the Internet.

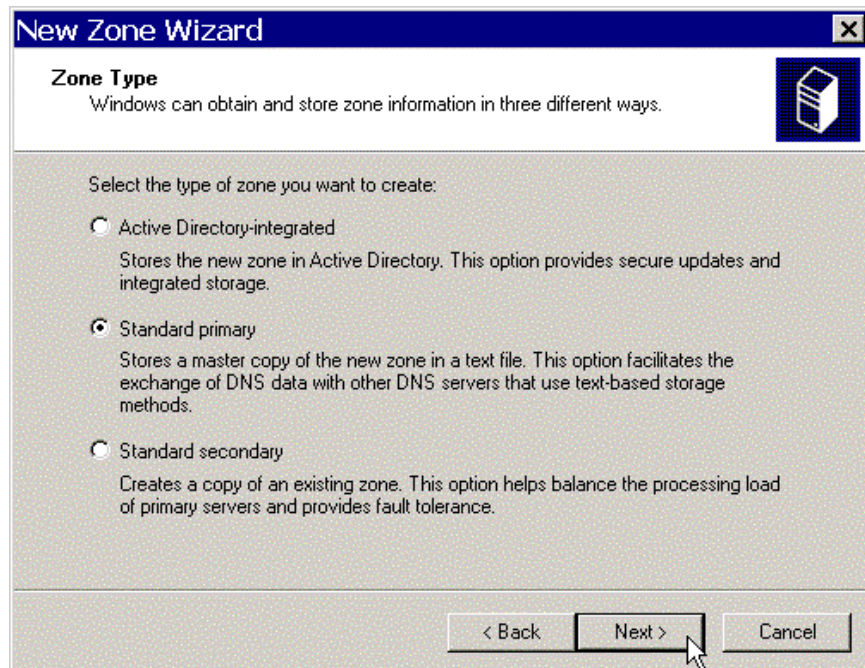
To immediately test the ability to send/receive SMTP email to/from an email client at the destination domain, setup alternate DNS records locally on a Win2000 DNS server at a test location. These alternate records will mimic the functionality of the **MX** and **a** records maintained by the ISP. With the alternate records configured, email sent from the test site (i.e. Access Computers) will be properly routed to the IP address of the destination domain because the email transport mechanism will look first to the DNS server containing the dummy/alternate records to obtain the proper destination IP address. Having obtained a valid response to request to translate the destination domain name to the destination IP address, the system will not submit a translation request to the equipment at the ISP (which would only fail if submitted before the 1-3 days have elapsed), instead the email will be forwarded directly to the destination IP address. This allows complete testing of Internet email send/receive at the destination site before the **MX** and **a** records at the ISP become live. A step-by-step procedure for setting up the dummy records on FS2KSBS follows.



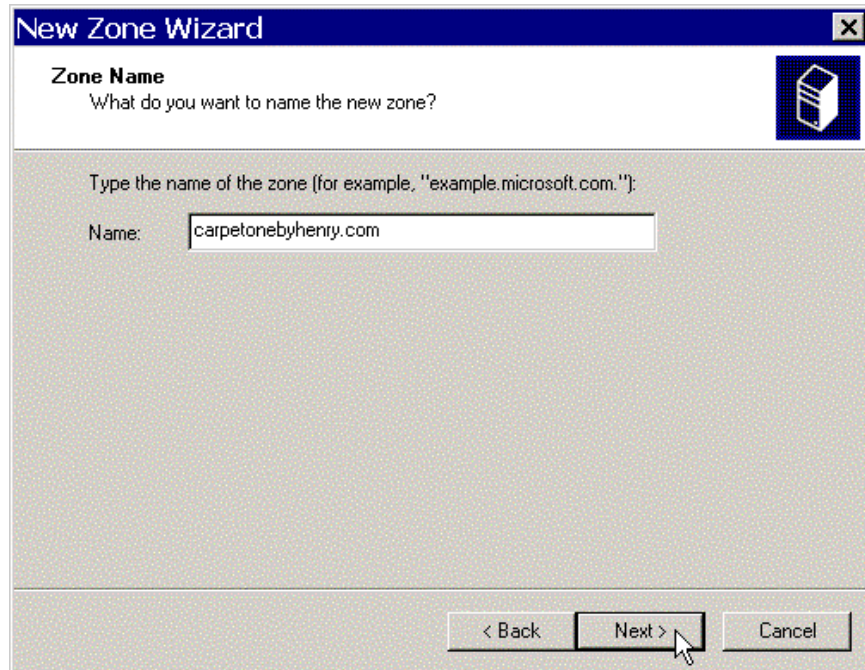
1. Click Start/Programs/Administrative Tools/DNS then expand server FS2KSBS.
2. Right-click Forward Lookup Zone and select New Zone.



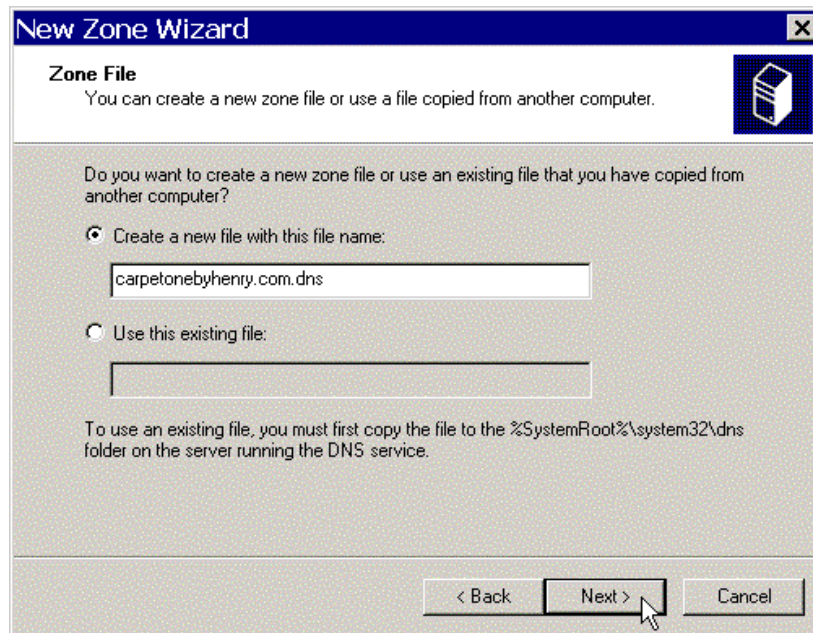
3. Click Next.



4. Select Standard Primary Zone Type and click Next.



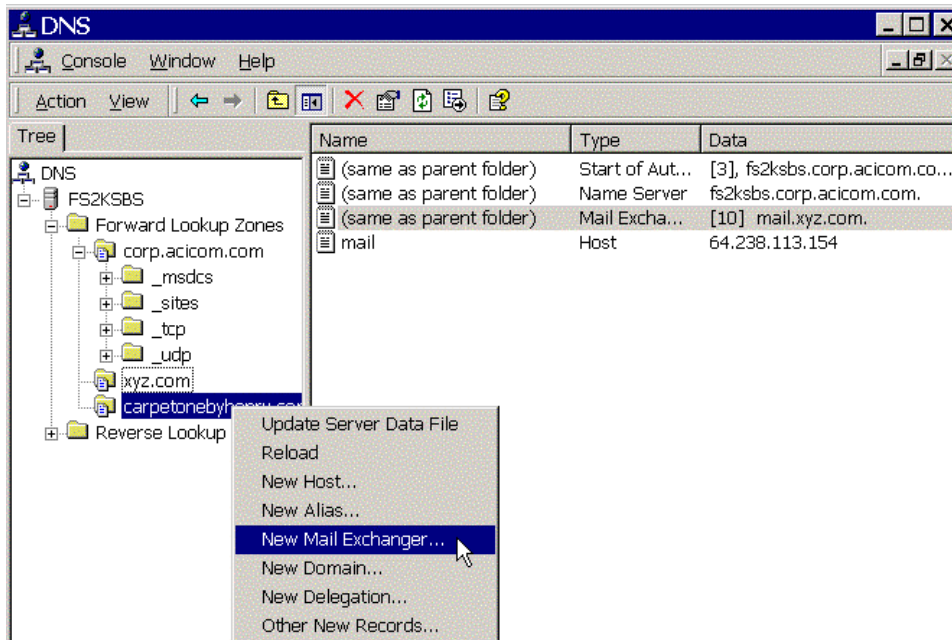
5. Enter the destination domain name as the zone name.



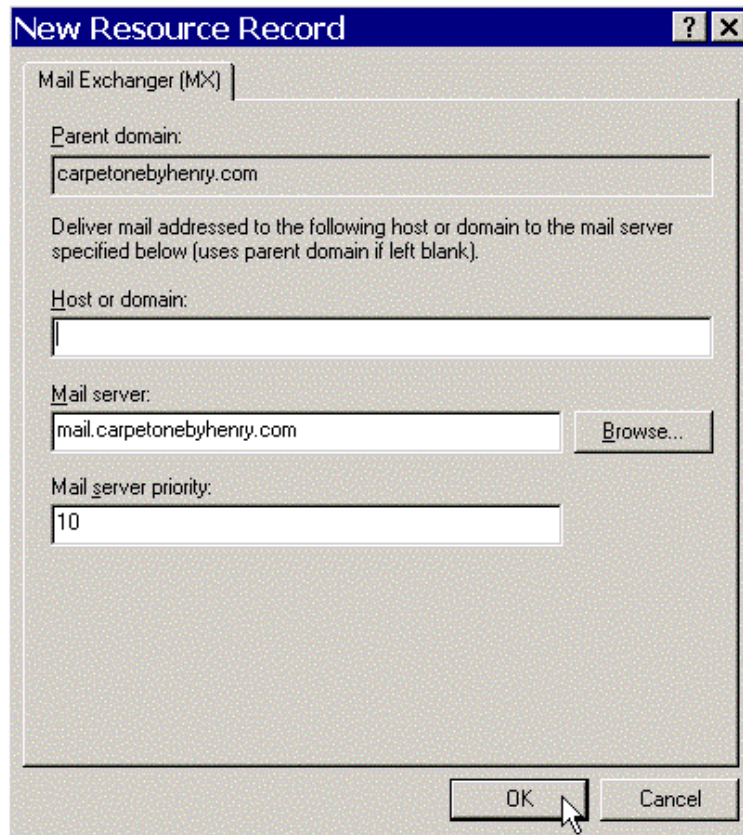
6. Select "Create a new file with this file name" and click Next.



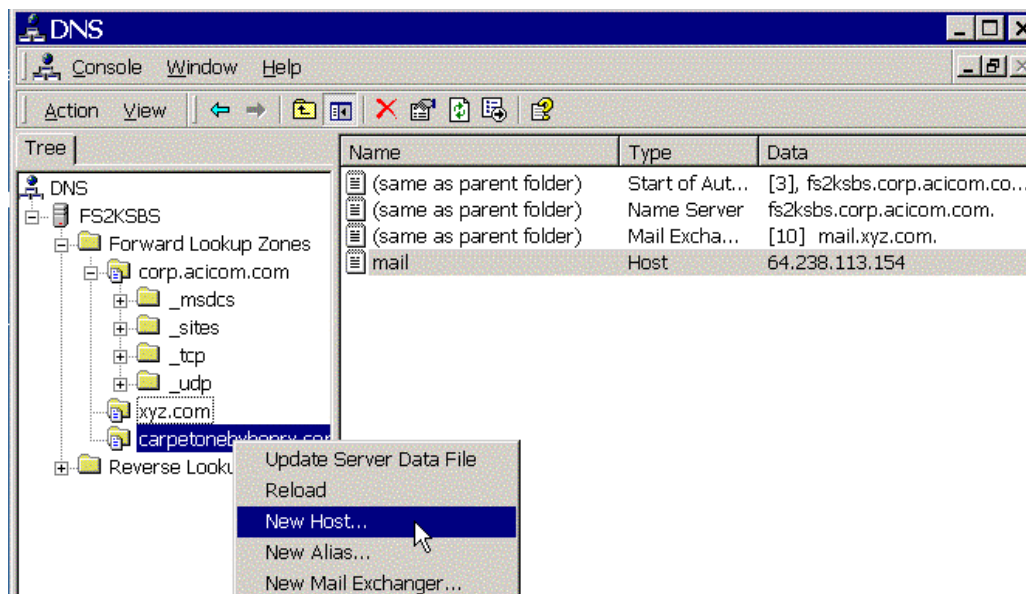
7. Click Finish.



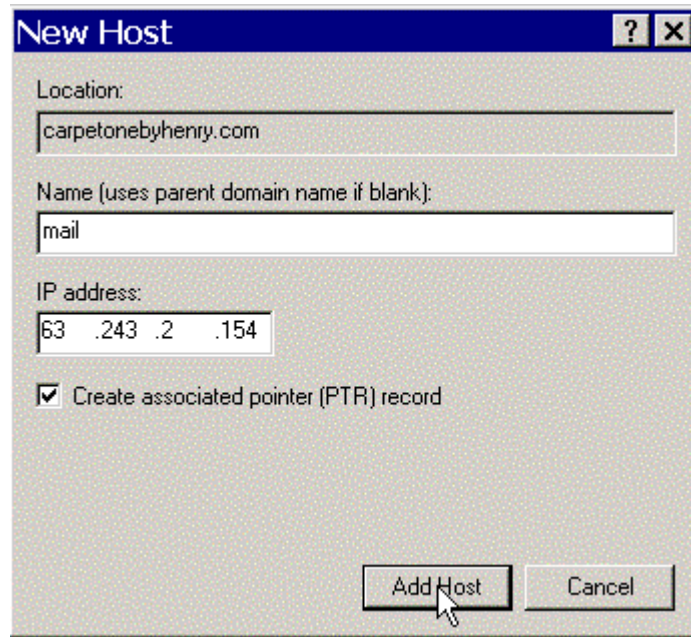
8. Right-click the newly created Zone and select “**New Mail Exchanger**”.



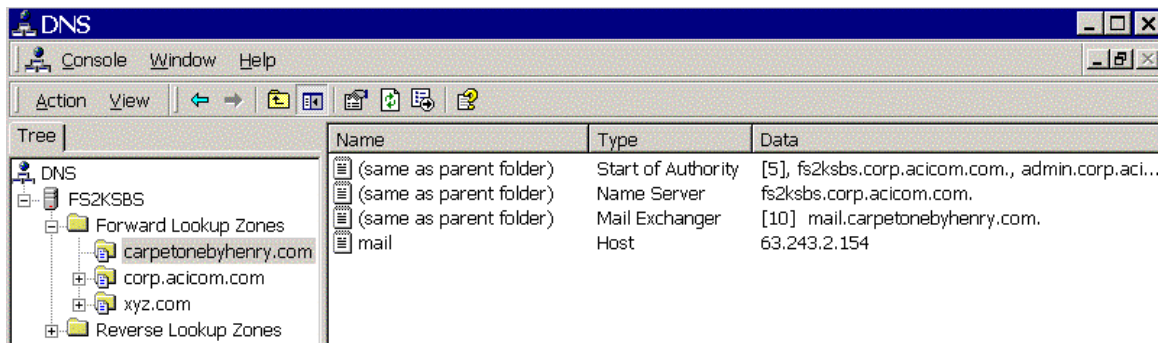
9. Enter the name of the Exchange server at the test site as the Mail Server name.



10. Right-click the newly created Zone and select “New Host”.



11. Enter the IP address of the Exchange server at the test site then click **Add Host**.



12. The DNS entries will appear as above thus completing the setup/configuration of the alternate DNS entries.

13. To test mail bagging, start Outlook 2002 email client on a workstation at the test location and send an email message to [userID@thedomain.ext](mailto:userID@thedomain.ext) .