RaQ 3: Setting up DNS records

Enabling the DNS server feature

> ***IMPORTANT:*** Always click **Save Changes to DNS Server** after modifying DNS records. If you do not, the changes will not take effect.

To enable the DNS server on the RaQ 3:

1. On the **Server Management** screen, click **Control Panel**. The Service Settings table appears.
2. Click the check box for Domain Name System (DNS) Server to turn it on (if it is not already turned on).
3. Click **Save Changes**.

To set the optional DNS services, click **Parameters** next to the DNS service in the Service Settings table.

Quick Start Guide for DNS

This quick start guide assumes that you have already done two things:

1. You have registered your domain with InterNIC or some other registration service. If you have not, refer to the FAQ section on Cobalt's web site (http://www.cobalt.com/support, under the Knowledge Base link) for information on registering your domain name.

   You can also refer to the Web site for Network Solutions, Inc. (www.networksolutions.com).
2. You have created the Web site on the RaQ 3. For instructions on how to do this, see your RaQ 3 user manual.

In the following examples, we will configure a sample domain called "mydomain.com" for Web service and e-mail service using a sample IP address 192.168.10.10.

> ***IMPORTANT:*** Substitute your domain name and IP address anywhere you see the sample domain name or IP address appear.

The recommended minimum configuration for Web and e-mail service requires these records:

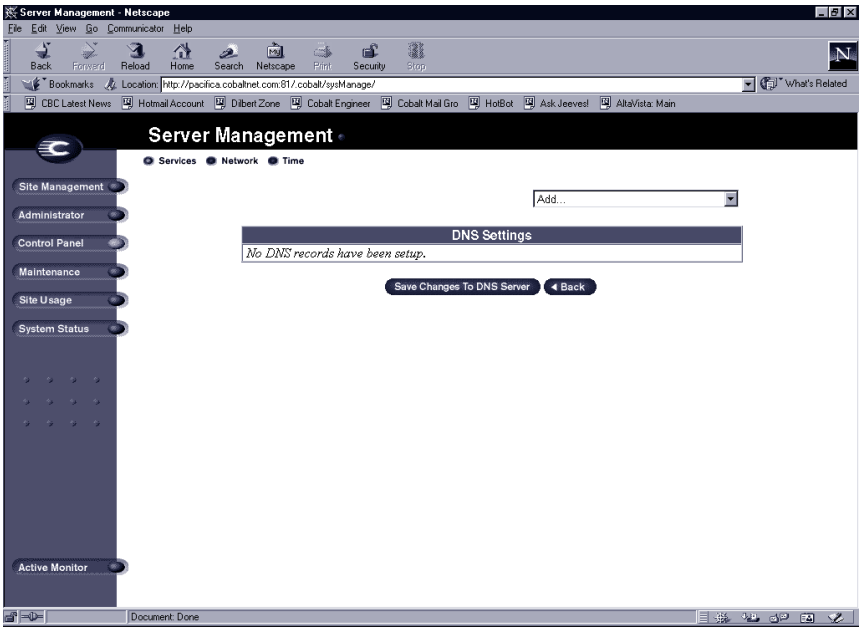
- An Address (A) Record for mydomain.com which points to 192.168.10.10
- An Address (A) Record for www.mydomain.com which points to 192.168.10.10
- A Mail Server (MX) Record for mydomain.com which points to www.mydomain.com
- A Reverse Address (PTR) record for 192.168.10.10 which points to mydomain.com

These records allow anyone on the Internet to type either “mydomain.com” or “www.mydomain.com” and access your Web site. To set up these records, go to the Parameters section of the DNS server in the Cobalt user interface (UI).

1. On the **Server Management** screen, click **Control Panel**. The Service Settings table appears.
2. Click **Parameters** next to the DNS service in the Service Settings table.

The DNS Settings table appears, as in Figure 1.

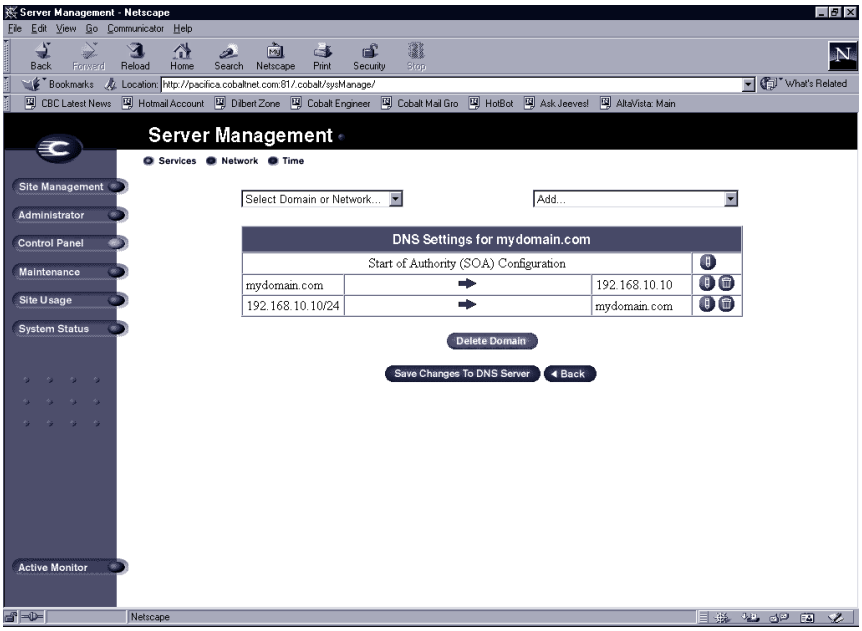
Figure 1 DNS Settings table



3. Create an Address (A) Record for mydomain.com.
   - Select Address (A) Record from the **Add...** pull-down menu
   - Leave the **Host Name** field blank.
   - In the **Domain Name** field, type mydomain.com.
   - In the **IP Address** field, type 192.168.10.10.
   - Ensure the check box for Automatic Reverse Address Record Generation is checked. This automatically creates the Reverse Address (PTR) Record.
   - Click **Update List**.

The DNS Settings table is regenerated showing mydomain.com, as in Figure 2.

Figure 2 DNS Settings table (mydomain.com)

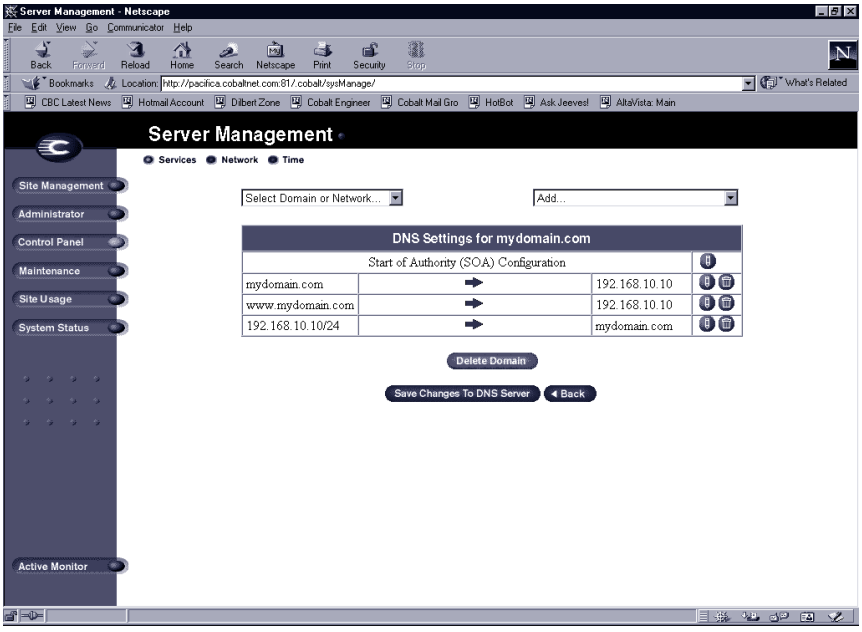


4. Create an Address (A) Record for “www.mydomain.com”.
   - Select Address (A) Record again from the **Add...** pull-down menu.
   - In the **Host Name** field, type www.
   - In the **Domain Name** field, type mydomain.com.
   - In the **IP Address** field, type 192.168.10.10.
   - Remove the check from the check box for Automatic Reverse Address Record Generation.
   - Click **Update List**.

   Note: Do not make this a CNAME record. Some email server software cannot process CNAME records. If you would like to create multiple names for one IP address, create multiple A records.

The DNS Settings table is regenerated showing mydomain.com and www.mydomain.com, as in Figure 3.

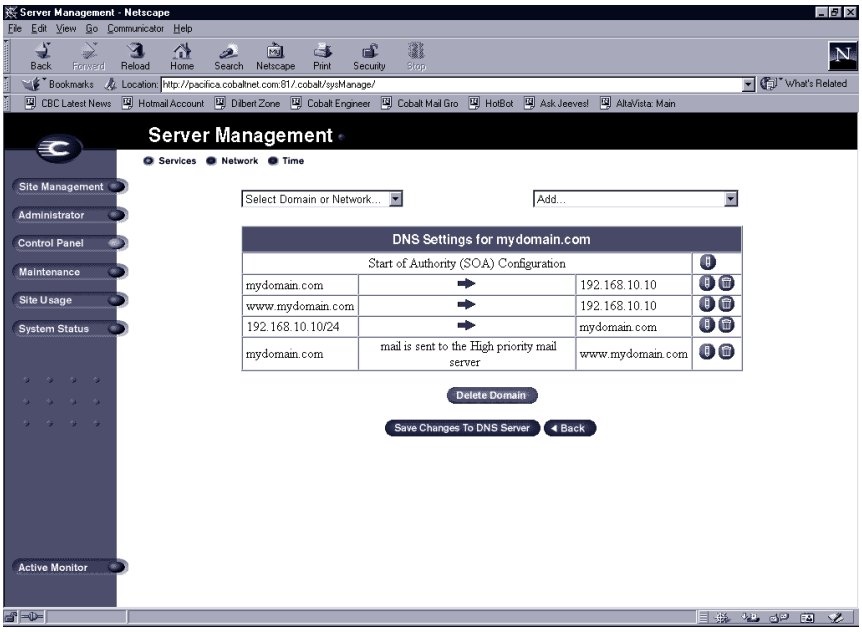
Figure 3 DNS Settings table (mydomain.com and www.mydomain.com)



5. To receive mail for “mydomain.com”, create a Mail Server (MX) Record. An MX record is similar to a A record but points to a name rather than an IP address. It is critical that the MX record point to a name which has a corresponding A record with the proper IP address.
   - Select Mail Server (MX) Record from the **Add...** pull-down menu.
   - Leave the **Host Name** field blank.
   - In the **Domain Name** field, type mydomain.com.
   - In the **Mail Server** field, type www.mydomain.com.
   - For our example, the Delivery Preference can be left at High.
   - Click **Update List**. See Figure 4.
6. IMPORTANT! Click **Save Changes to DNS Server**. This activates the changes you have made. If you exit this screen without saving your changes, they will not become active.

The completed DNS Settings table is regenerated as in Figure 4.

Figure 4 Completed DNS Settings table



To edit another domain, select another domain from the **Select Domain or Network...** pull-down menu. You can select any domain that you have configured for the DNS server.

To add a new domain, use the **Add...** pull-down menu again. In the **Domain Name** field, replace the default domain name with the new domain name that you want to create.

For further information, refer to the following:

- In the Cobalt Knowledge Base, search on "DNS".
- http://www.dnswiz.com/dnsworks.htm
- http://www-europe.cisco.com/warp/public/787/indexDNS.html

1-800-695-6200
www.RaQport.com
Raqport
Ranked # 1 for
Sun Cobalt RaQs