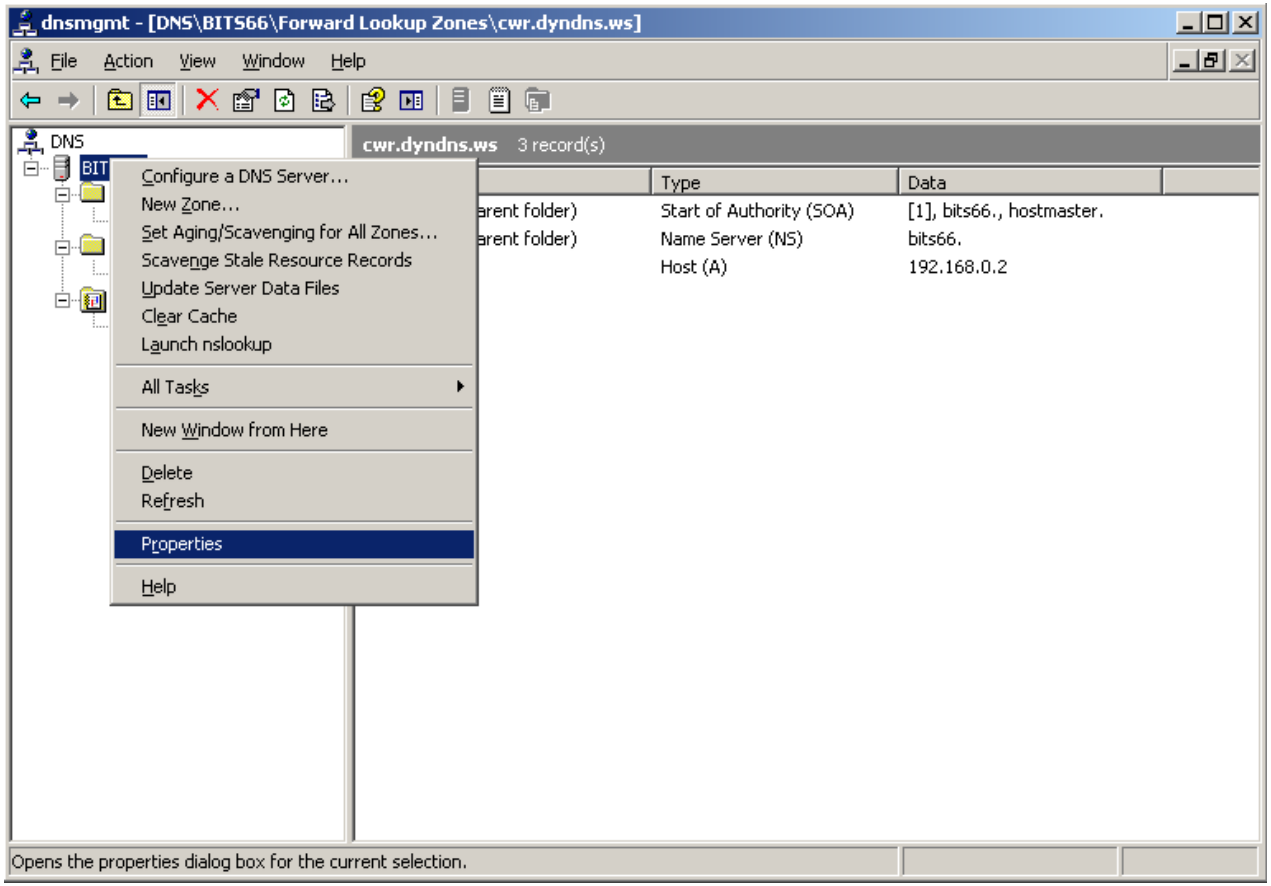
DNS Properties and Event Logs

May 16, 2010

Opening the DNS Properties Window

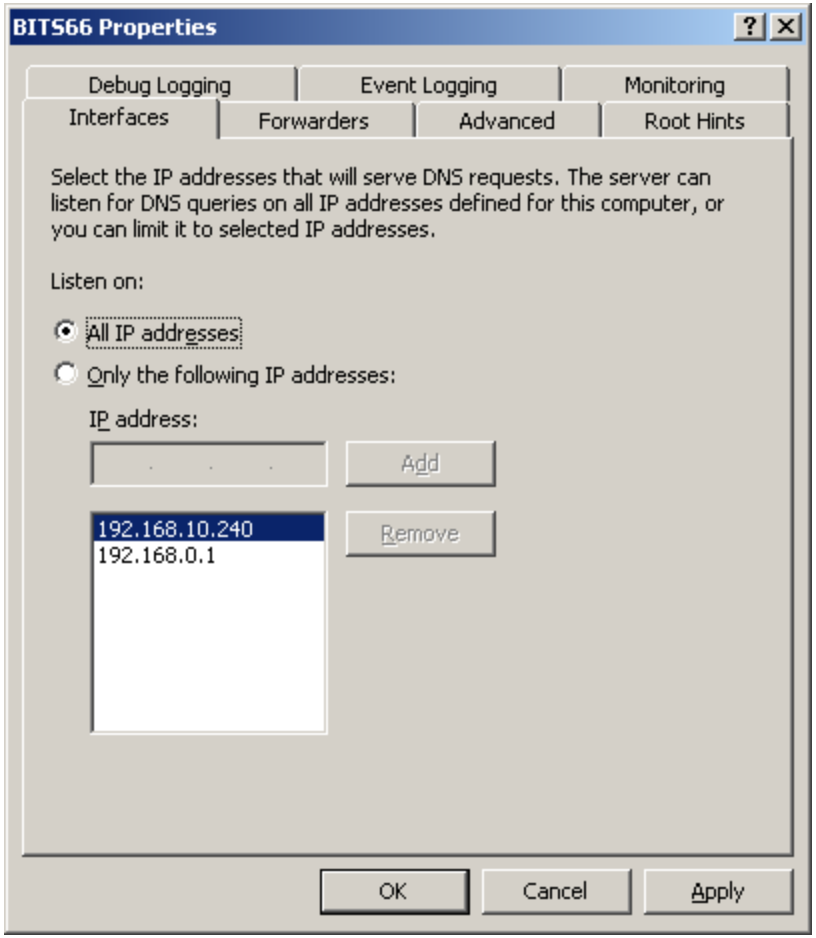
To open the DNS Properties window, to access and make changes to our DNS server, we right click on the DNS Server name and select Properties from the popup menu.



The Interface Tab

The first inspect the Interface tab where we will see the IP addresses of the internal and external network interface cards. The default is to listen to all IP addresses for DNS queries. However, we could decide to limit the listening and choose the second radial button option and select the IP addresses which we want to hear.

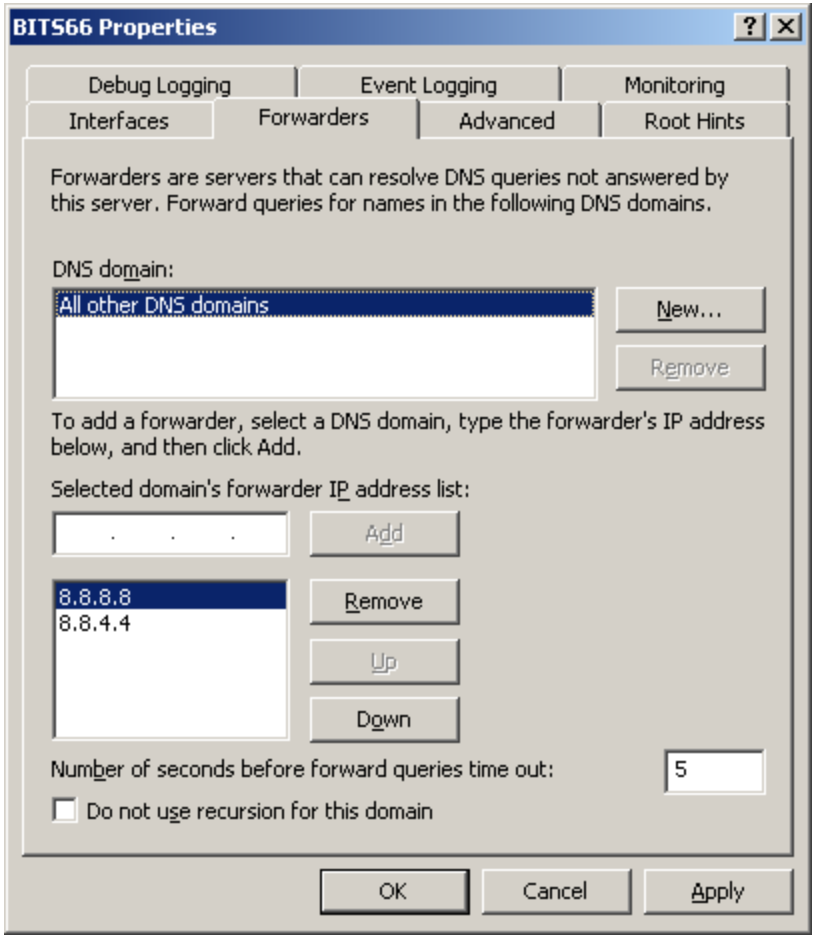
Next, we will visit the Forwarders tab.



The Forwarders Tab

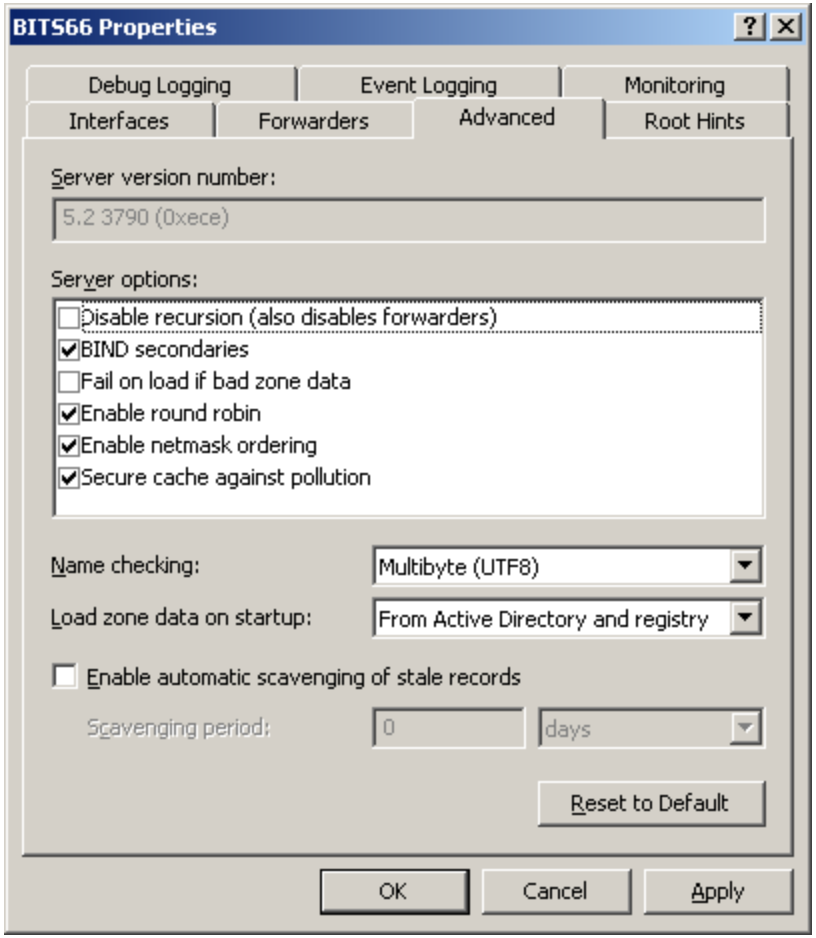
The Forwarders tab shows the server that resolve DNS request not answered by our DNS server. For home networks that do not have static IP addresses and do not have primary and secondary IP addresses assigned by the ISP, we are using two DNS servers provided by Google.com for public DNS resolution.

If our connection time is longer for a slow network connection, we can increase the time out which is now showing 5 seconds.



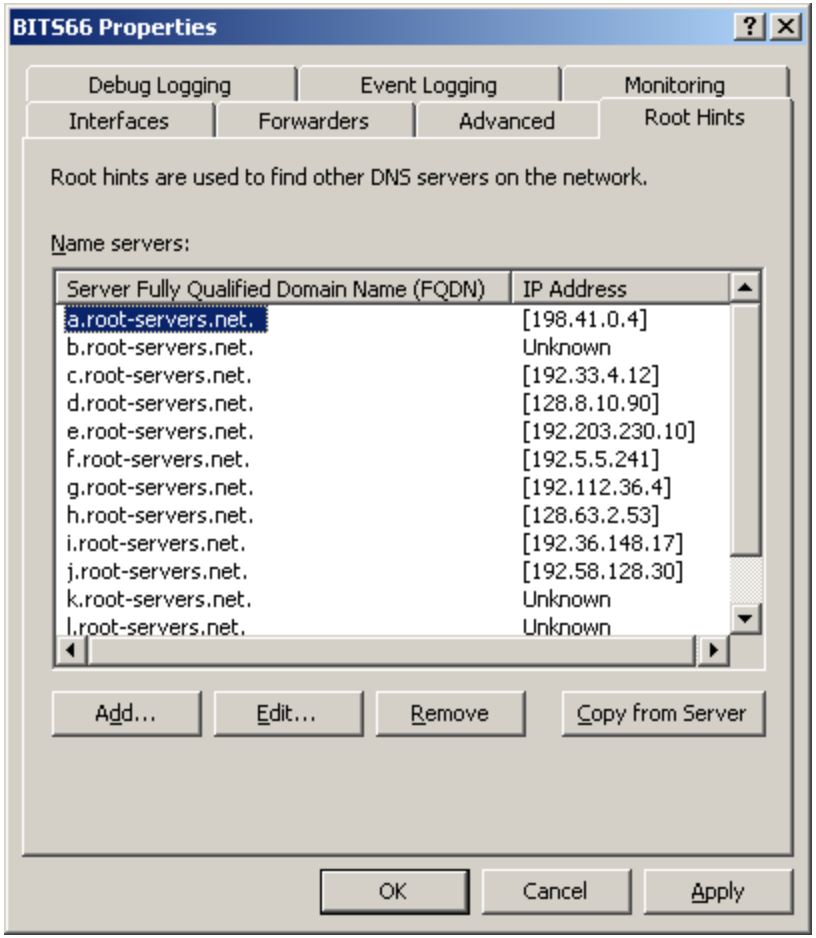
The Advanced Tab

The Advanced tab will allow us to view the server options. We will not change any settings at this time.



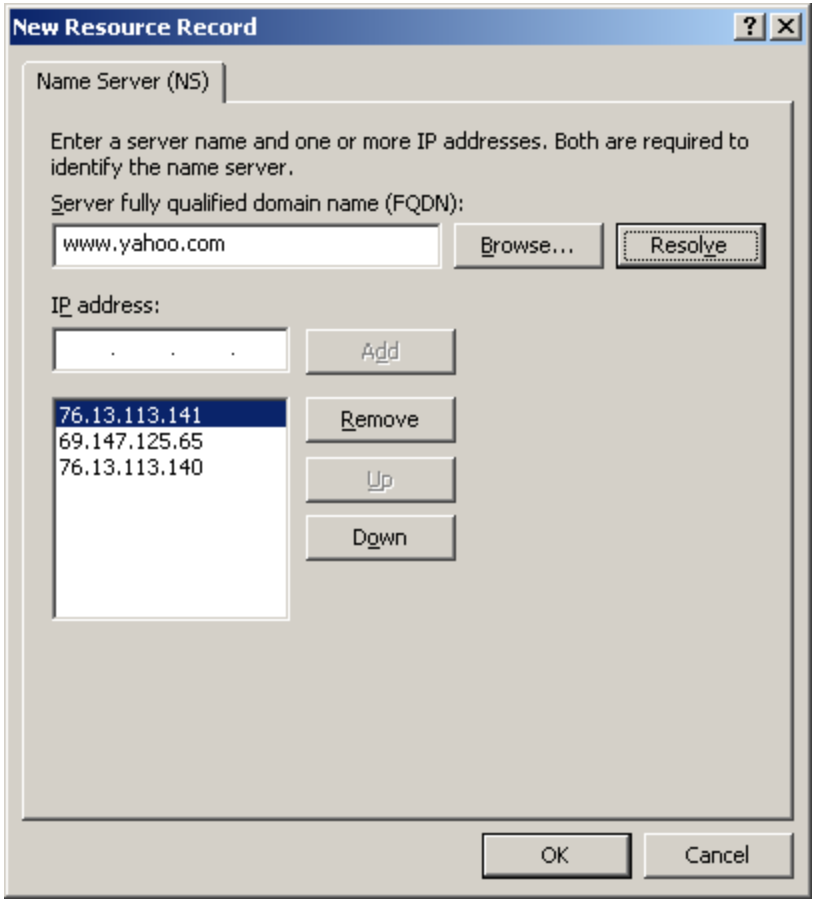
The Root Hints Tab

Root Hints are IP addresses that are linked to Full Qualified Domain Names (FQDN). We can copy a list from another server by selecting the Copy from Server button. We can add more FQDNs and IP addresses by selecting the Add button.



Adding a New Resource Record

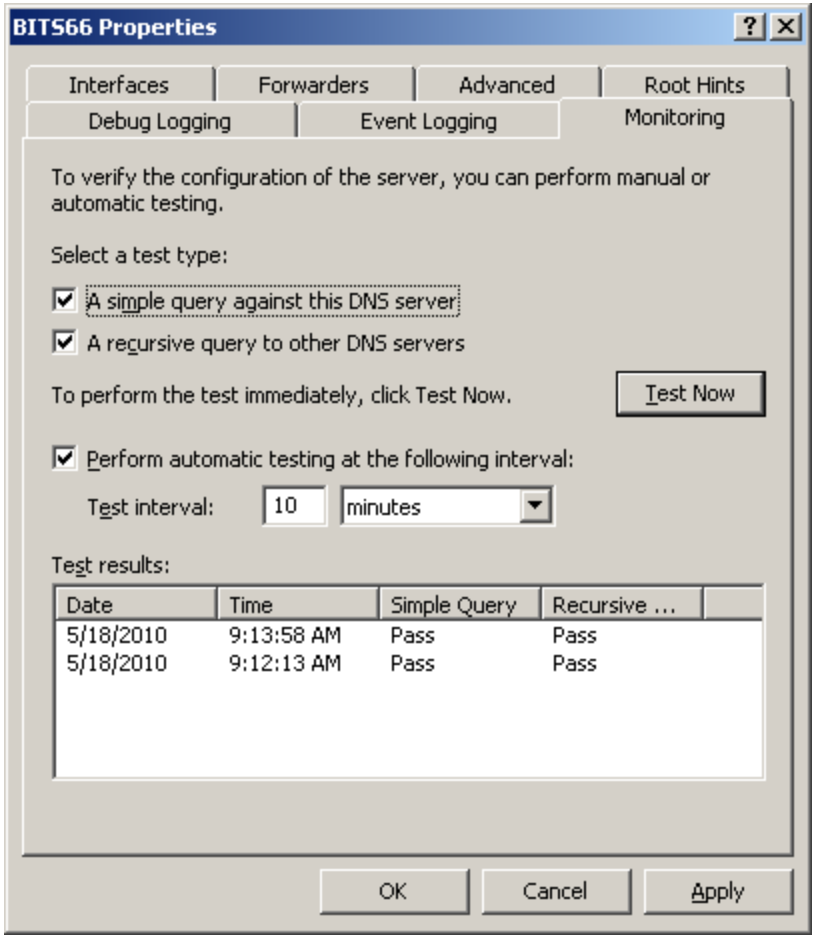
After selecting the Add button, the New Resource Record window appears. We type a real URL such as www.yahoo.com into the textbox and press the Resolve button. A list of IP addresses appears that is associated with the Yahoo domain. Press the OK button and at the Root Hints tab press the Apply button to make the changes.



The Monitoring Tab

The Monitoring Tab will tell us if our DNS server is resolving requests.

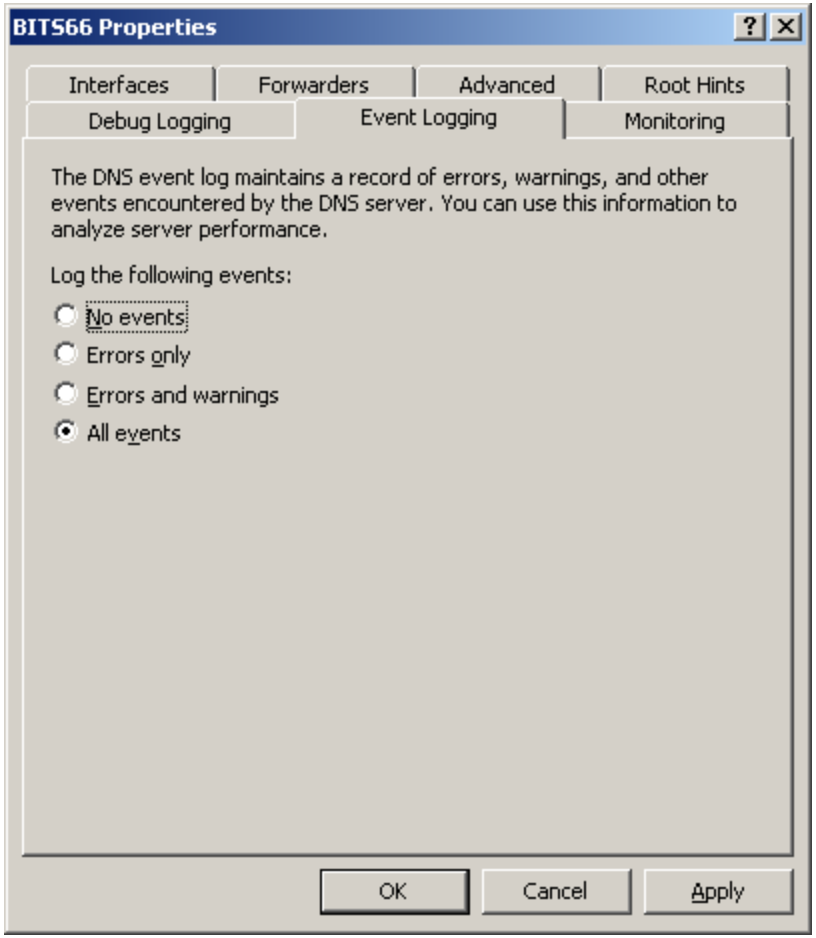
We check the simple query against the DNS server and a recursive query to other DNS servers checkboxes. We then press the Test Now button and both tests should pass. We can set the interval for the test to whatever seconds, minutes or hours we wish.



The Event Logging Tab

The Event Logging Tab is presently set for recording all events. However, we can select no events, errors only and errors and warnings.

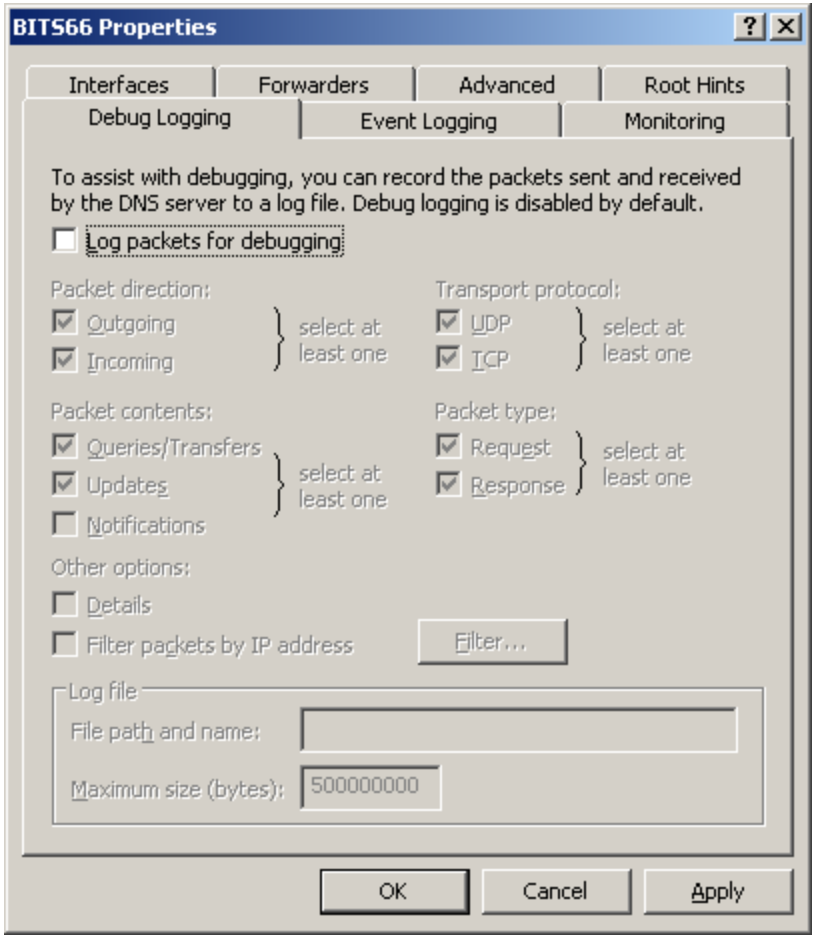
We choose to log all events.



The Debug Logging Tab

The Debug Logging tab can record packets sent and received to the log file.

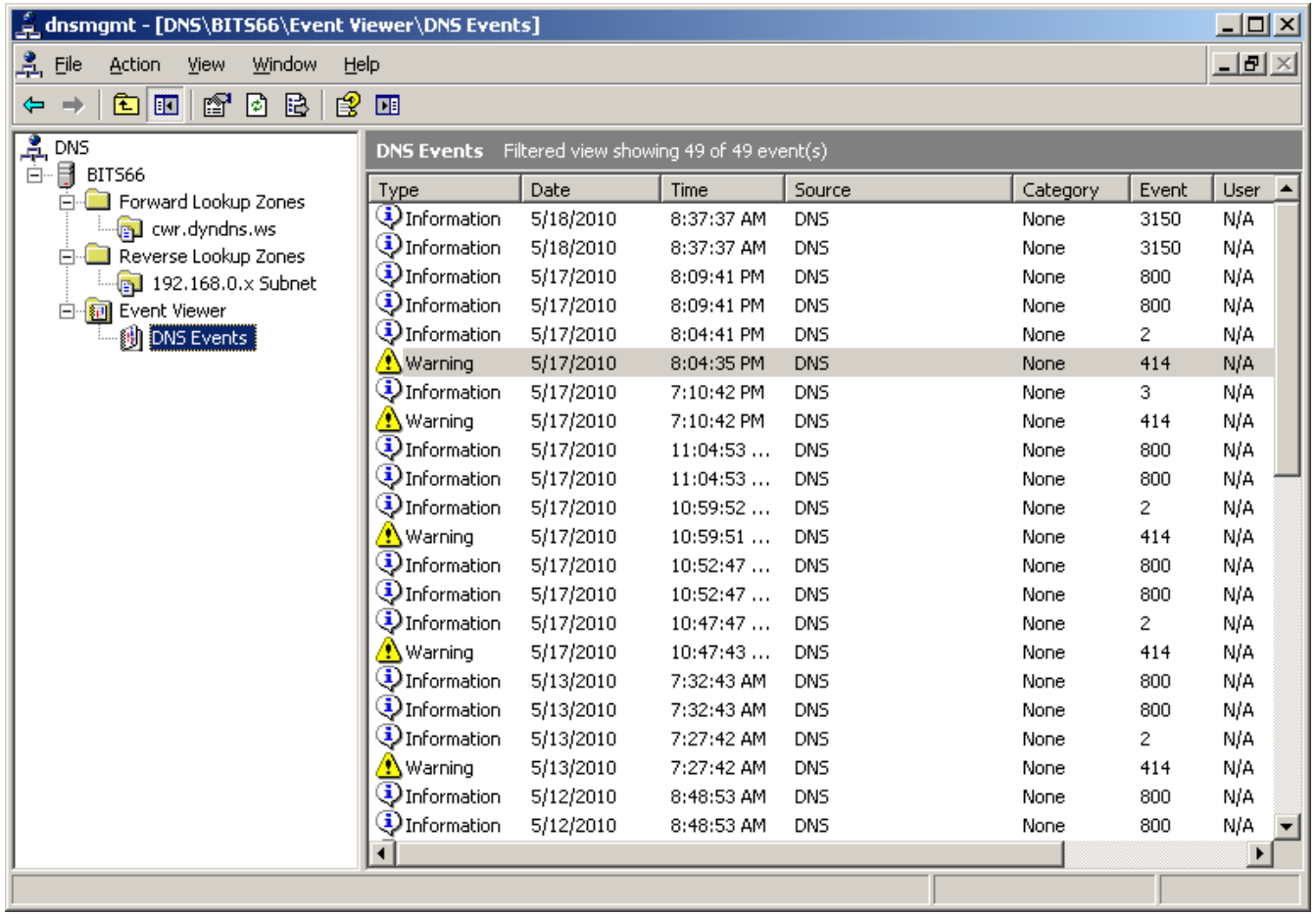
We will keep this setting off by default.



The DNS Event Viewer

In our DNS event viewer, we can see there are only information and warning messages. We do not have any DNS errors in the log.

To check the most current warning, we double clock on the latest warning.



Type	Date	Time	Source	Category	Event	User
Information	5/18/2010	8:37:37 AM	DNS	None	3150	N/A
Information	5/18/2010	8:37:37 AM	DNS	None	3150	N/A
Information	5/17/2010	8:09:41 PM	DNS	None	800	N/A
Information	5/17/2010	8:09:41 PM	DNS	None	800	N/A
Information	5/17/2010	8:04:41 PM	DNS	None	2	N/A
Warning	5/17/2010	8:04:35 PM	DNS	None	414	N/A
Information	5/17/2010	7:10:42 PM	DNS	None	3	N/A
Warning	5/17/2010	7:10:42 PM	DNS	None	414	N/A
Information	5/17/2010	11:04:53 ...	DNS	None	800	N/A
Information	5/17/2010	11:04:53 ...	DNS	None	800	N/A
Information	5/17/2010	10:59:52 ...	DNS	None	2	N/A
Warning	5/17/2010	10:59:51 ...	DNS	None	414	N/A
Information	5/17/2010	10:52:47 ...	DNS	None	800	N/A
Information	5/17/2010	10:52:47 ...	DNS	None	800	N/A
Information	5/17/2010	10:47:47 ...	DNS	None	2	N/A
Warning	5/17/2010	10:47:43 ...	DNS	None	414	N/A
Information	5/13/2010	7:32:43 AM	DNS	None	800	N/A
Information	5/13/2010	7:32:43 AM	DNS	None	800	N/A
Information	5/13/2010	7:27:42 AM	DNS	None	2	N/A
Warning	5/13/2010	7:27:42 AM	DNS	None	414	N/A
Information	5/12/2010	8:48:53 AM	DNS	None	800	N/A
Information	5/12/2010	8:48:53 AM	DNS	None	800	N/A

Event Property Window

The current DNS domain for our server is not a FQDN. We will address this when we upgrade the server by adding Active Directory. At hat time our server will have a FQDN associated with it.