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FreeBSD: Install bindgraph To Make Graphs About Queries Sent To BIND

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How do I install bindgraph to make pretty query statistics about BIND servers?

Bindgraph was derived from well-known mailgraph package. It is a tool that makes pretty graphs about queries (such as A, MX, AAAA, TXT and so on) sent to your BIND name server. It will create graph for:
+ Last Hours Graph
+ Day Graph
+ Week Graph
+ Month Graph
+ Year Graph

BIND [1]

FreeBSD. [2]

There are two steps to create graphs:

a] You need enable query logging under bind by updating named.conf file itself. You can log queries to /var/log/query.log file.

b] Create bindgraph.rrd database by enabling bindgraph service.

Install bindgraph

Type the following commands:

```
# portsnap fetch update
# cd /usr/ports/dns/bindgraph
# make install clean
```

Configure BIND (named) logging

Open named.conf file, enter:

```
# vi /etc/namedb/named.conf
```

Append something as follows to logging options:

```
channel "querylog" { file "/var/log/query.log"; print-time yes; };
category queries { querylog; };
```

Here is my sample logging entry:

```
# Configure the logging options
logging {
    channel security_channel {
        # Send log messages to the specified file
        file            "/var/log/security.log";
        # Log all messages
        severity        debug;
        # Log the date and time of the message
        print-time      yes;
        # Log the category of the message
        print-category  yes;
        # Log the severity level of the message
        print-severity  yes;
    };

    channel default {
        # Send logs to the syslog 'local0' facility
        syslog          local0;
```

```
            # Log messages of severity 'info' or higher
            severity        info;
            print-category  yes;
            print-severity  yes;
        };

        # Logs about approval and denial of requests
        category security {
            security_channel;
            default;
        };

        # Ignore logs about misconfigured remote servers
        category lame-servers { null; };

        # Default logging options
        category default { default; };

    channel "querylog" { file "/var/log/query.log"; print-time yes; };
    category queries { querylog; };
};
```

Save and close the file. Restart bind server:

```
# /etc/rc.d/named restart
```

Configure bindgraph

Enable bindgraph service, enter:

```
echo 'bindgraph_enable="YES"' >> /etc/rc.conf
```

Finally, start bindgraph, enter:

```
# /usr/local/etc/rc.d/bindgraph start
```

How do I view bindgrap rrd graphs?

By default Perl cgi script is installed at /usr/local/www/cgi-bin/bindgraph.cgi location. You can use the same or copy the script to your cgi-bin location. You also need to configure Apache or other web server to run Perl via cgi-bin. Once done, fire up a webbrowser and type the url
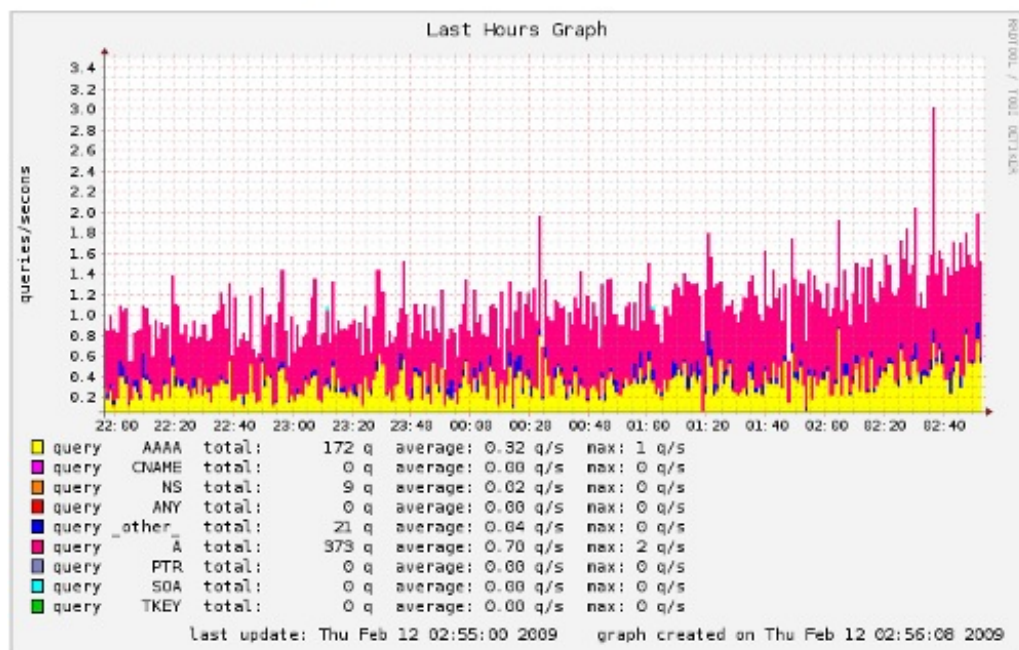
```
http://yourdomain.com/cgi-bin/bindgraph.cgi
```

OR

```
http://server.ip.add.ress/cgi-bin/bindgraph.cgi
```
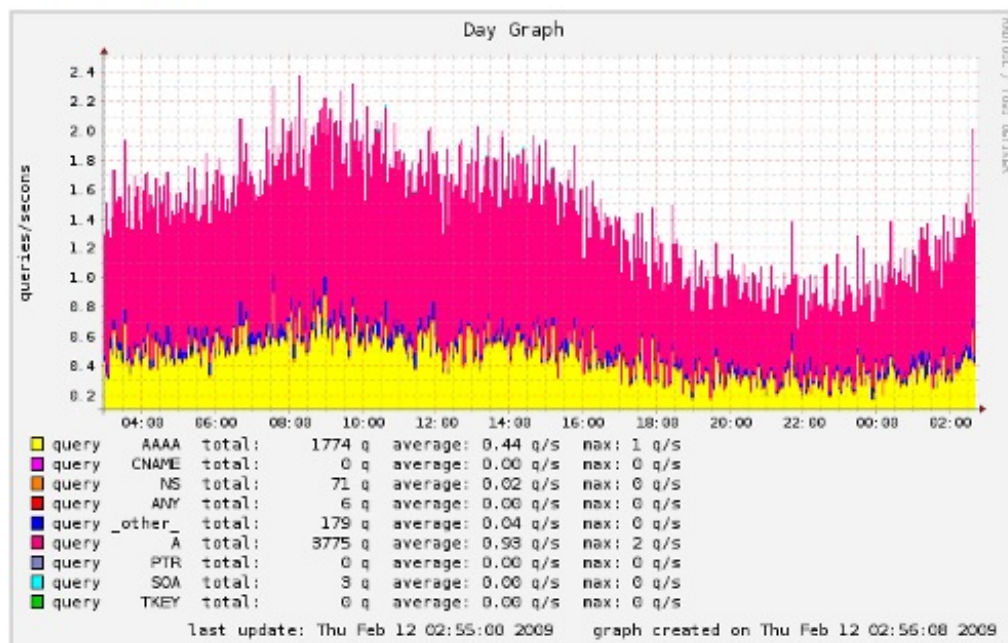
You should see sample graphs:

Last Hours Graph

[3]

Day Graph

[4]

Updated for accuracy!

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