

How to Configure the DNS Service

<https://campus.barracuda.com/doc/41116033/>

The Barracuda NG Firewall can act as a authoritative DNS server for your domains.

In this article:

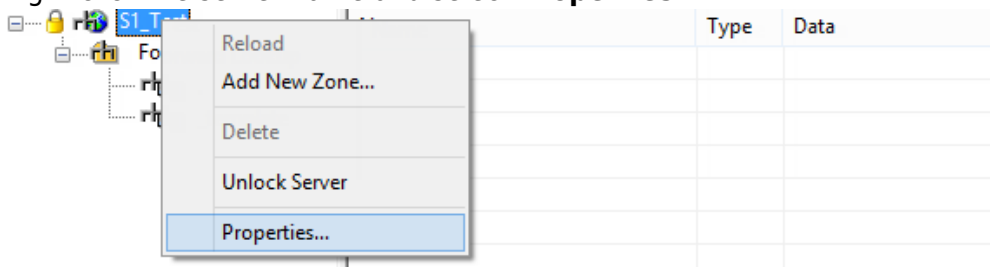
Before you Begin

Before modifying the server settings, you must create a DNS service. For more information, see [How to Configure Services](#).

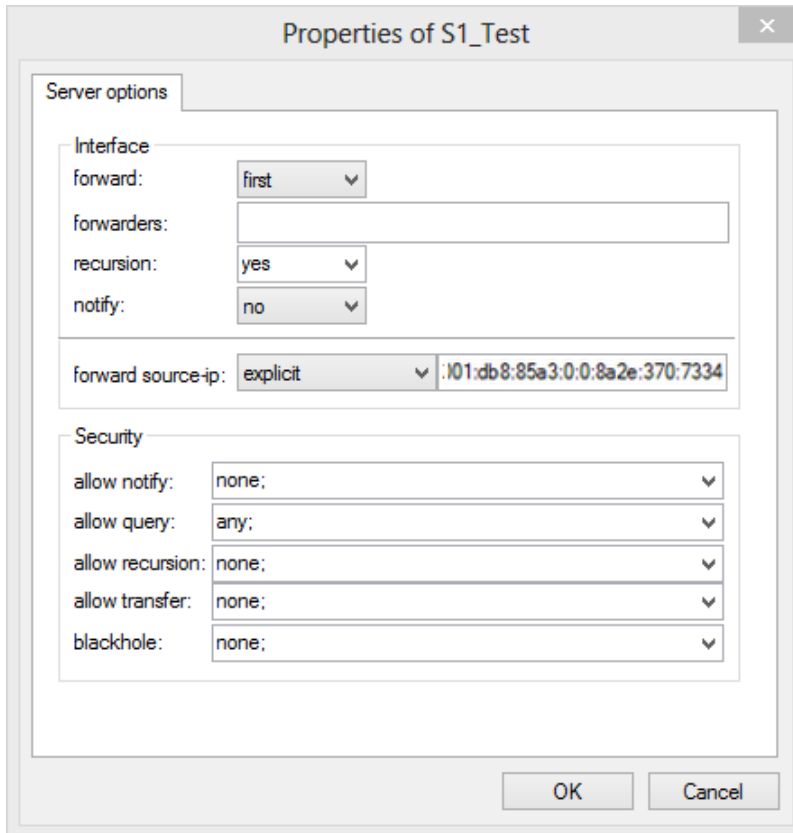
Configure the DNS Service

To configure zone-independent DNS server settings,

1. Expand the **DNS Service** configuration node (**Config > Full Config** page and expand **Box > Virtual Servers > your virtual server > Assigned Services > DNS-Service**).
2. Double-click **DNS Configuration**.
3. Right click the server name in the DNS configuration area (e.g.: **S1_dns**) and select **Lock Server**.
4. Right click the server name and select **Properties**.



5. In the **Interface** section, configure the forwarding behavior of the DNS service.



- **forward** - This menu offers the following settings:
 - **<blank>** - The default settings of BIND are used.
 - **first** - The server forwards the DNS query first. Only in case no entry is found the local database is queried.
 - **only** - The server forwards all DNS queries.
- **forwarders** - Enter the IP addresses of the DNS servers to which DNS queries are forwarded. Separate multiple entries with a semicolon and space (e.g. 10.0.0.53; 10.0.0.67).
- **recursion** - Define the allowance of recursive queries. The following options are available:
 - **<blank>** - The default settings of BIND are used.
 - **yes** - The server allows recursive queries.
 - **no** - The server does not allow recursive queries.
- **notify** - Define whether the DNS server should actively notify its slaves about settings updates.
- **forward source-ip** - This field offers various options to select the IPv4 or IPv6 address to be used for contacting other DNS servers.
 - **<blank>** - The default settings of BIND are used.
 - **server-first** - The DNS service uses the first server IP for connecting.
 - **server-second** - The DNS service uses the second server IP for connecting.
 - **explicit** - The DNS service uses an explicit IP address for connecting. This IP address must be configured as a server IP.

Separate multiple IP addresses or address ranges using semicolon and whitespace characters (e.g. 10.0.0.53; 10.0.0.67; 192.168.0.10; 10.17.0.0/16). Use CIDR notation.

6. In the **Security** section, configure security options for the DNS service (when selecting **any**, you can optionally define one or more further IPv4 or IPv6 addresses):
 - **allow notify** - Hosts that are allowed to notify the DNS server about zone changes.
 - **allow query** - Hosts that are allowed to query the DNS server. By default all hosts are allowed to query the DNS server.
 - **allow recursion** - Hosts that are allowed to make recursive queries on this server.
 - **allow transfer** - Hosts that are allowed to fetch the DNS database from the DNS server.
 - **blackhole** - Addresses that the server will not accept queries from and not use to resolve a query.In each pull-down field, one of the following values can be filled in:
 - **none**
 - **any (one or more IPv4 or IPv6 addresses)** - These entries can optionally be complemented with further IP addresses.
7. Click **OK**.
8. Click **Send Changes** and **Activate**.

Continue with [How to Configure DNS Zones](#).

Figures

1. dns_s1.png
2. dns_pro.png

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