

## How to Configure the DNS Service

<https://campus.barracuda.com/doc/48202799/>

The Barracuda NextGen Firewall F-Series can act as a authoritative DNS server for your domains.

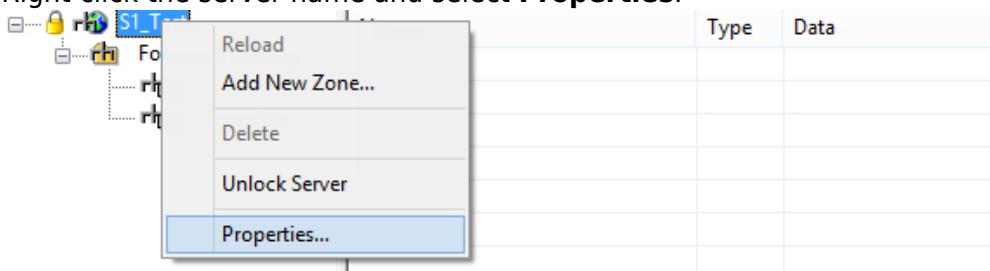
### Before you begin

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

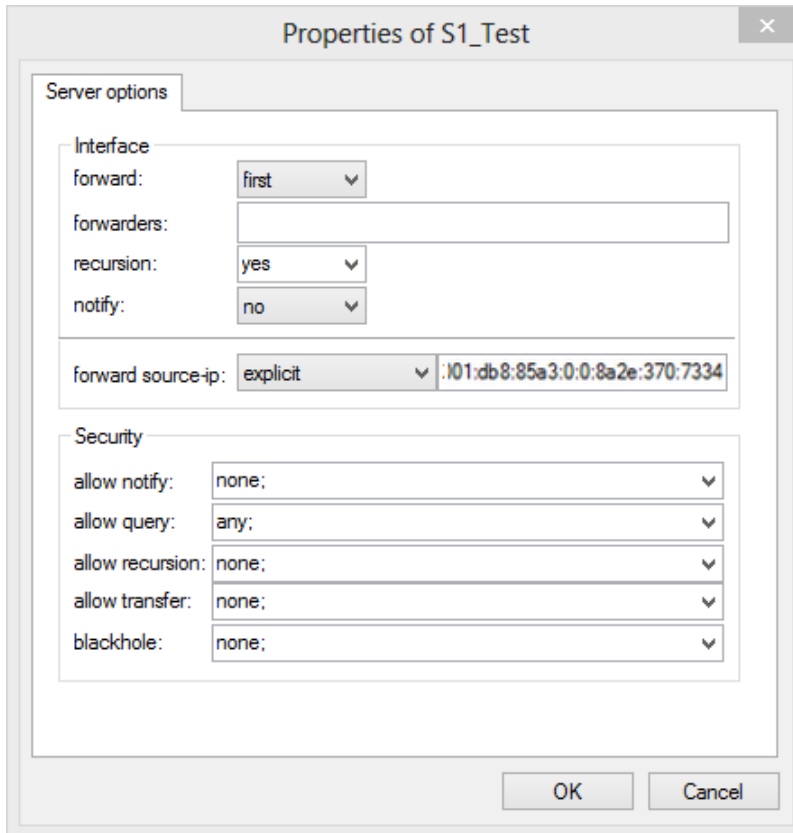
### Configure the DNS service

To configure zone-independent DNS server settings,

1. Go to **CONFIGURATION > Configuration Tree > 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.
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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