

DDNS Update Tool

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This document applies to V3.0

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General Information

Summary

Dynamic DNS Update Tool gives a way to keep domain name pointing to dynamic IP address. It works by sending domain name system update request to name server, which has a zone to be updated. Secure DNS updates are also supported.

The DNS update tool supports only one algorithm - **hmac-md5**. It's the only proposed algorithm for signing DNS messages.

Specifications

Packages required: *advanced-tools*

License required: *level1*

Command name: */tool dns-update*

Standards and Technologies: [Dynamic Updates in the DNS \(RFC 2136\)](#), [Secure DNS Dynamic Update \(RFC 3007\)](#)

Hardware usage: *Not significant*

Description

Dynamic DNS Update is a tool that should be manually run to update dynamic DNS server.

Note that you have to have a DNS server that supports DNS updates properly configured.

Additional Documents

- [DNS related RFCs](#)

Dynamic DNS Update

Command name: */tool dns-update*

Property Description

address (*IP address*) - defines IP address associated with the domain name

dns-server (*IP address*) - DNS server to send update to

key (*text*; default: "") - authorization key (password of a kind) to access the server

key-name (*text*; default: "") - authorization key name (username of a kind) to access the server

name (*text*) - name to attach with the IP address

ttl (*integer*; default: **0**) - time to live for the item (in seconds)

zone (*text*) - DNS zone where to update the domain name in

Notes

Note that the system clock time on your router can't differ from the DNS server's time more than 5 minutes. Otherwise the DNS server will ignore this request.

Example

To tell **23.34.45.56** DNS server to (re)associate **mydomain** name in the **myzone.com** zone with **68.42.14.4** IP address specifying that the name of the key is **dns-update-key** and the actual key is **update**:

```
[admin@MikroTik] tool> dns-update dns-server=23.34.45.56 name=mydomain \  
\... zone=myzone.com address=68.42.14.4 key-name=dns-update-key key=update
```