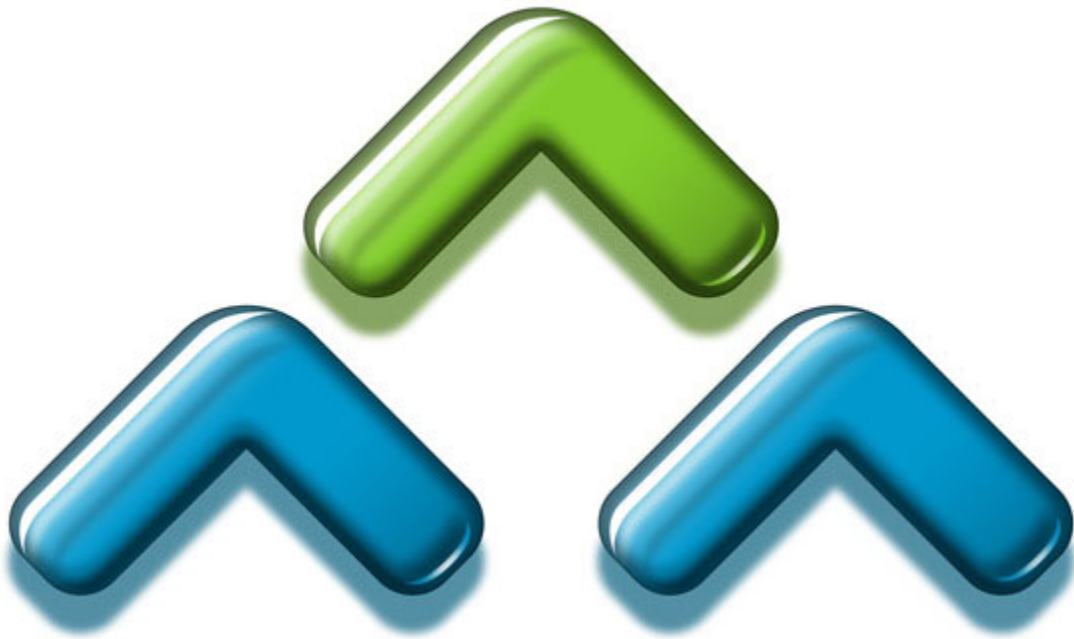


QuickDNS Manager Web Version User's Guide



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Introduction

The web version of QuickDNS Manager lets you easily manage your zones, right from your web browser! This allows users that want to work with zone data to do so without having to install the full QuickDNS Manager application on their workstation.

Note: The web version of QuickDNS Manager does not contain all the features of the QuickDNS Manager application, so there are some tasks that can only be performed using the QuickDNS Manager application.

Logging In

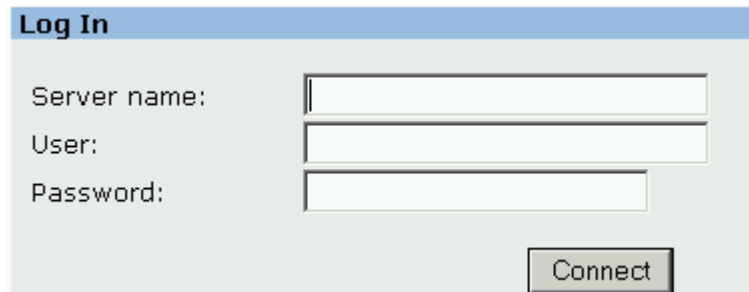
To log in using the web version of QuickDNS Manager, you only need to enter the URL of the QuickDNS Manager web server in your browser and enter the correct login information.

1. Open your web browser.
2. Enter the URL of the QuickDNS Manager web server. The URL will look similar to this:

`http://quickdns.yourdomain.com/qdns`

Your system administrator will be able to provide you with the correct URL

The QuickDNS Manager login dialog box is displayed.



The image shows a screenshot of a web browser's login dialog box. The dialog has a light blue header with the text "Log In". Below the header, there are three input fields stacked vertically. The first field is labeled "Server name:", the second is labeled "User:", and the third is labeled "Password:". To the right of each label is a white rectangular input box. At the bottom right of the dialog, there is a button labeled "Connect".

3. In the **Server Name** field, enter the name or IP address of the workstation on which you are running QuickDNS Central.
4. Enter your User name and Password in the appropriate fields.
5. Click the **Connect** button.

In a few moments, the QuickDNS zone list will display.

Zone Management


Taking control of your zones is very straightforward in the web version of QuickDNS Manager. Simply select the zone you want to work with from the Zone list. The detailed view of that zone then opens in the Zone window where you can view and edit its resource records.

The Zone List

The Zone list shows all the zones being served by QuickDNS. Zones are automatically sorted alphanumerically (0-9, a-z), but slave zones and reverse zones are always placed last.

The Zone Window

When you click a zone in the Zone list, the Zone Window for that zone is displayed. The Zone Window provides a detailed look at the data inside of a zone, including its resource records. The name, type and the location of the zone always displays above the zone data. The header record (a.k.a. Start of Authority, [SOA] record) displays as a collection of fields above the resource records.



QuickDNS
 Manager

Version: 4.0.1.0
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[Log Out](#)

example.zone.com. - Master zone on server "win2kserver.menandmice.com."

<div style="display: flex; align-items: center;"> ■ Master: trial1.menandmice.com. Hostmaster: hostmaster.example.zone.com. </div>	Serial: 2002112801 Refresh: 28800 Retry: 7200	Expire: 604800 Default TTL: 86400 TTL of SOA: 86400
--	--	--

Name	TTL	Type	Data	Comment
■ example.zone.com.		NS	trial1.menandmice.com.	
■ example.zone.com.		NS	trial2.menandmice.com.	
■ disabled.example.zone.com.		A	192.168.1.2	A disabled record
■ sub.example.zone.com.		NS	ns1.sub.example.zone.com.	Delegation record
■ ns1.sub.example.zone.com.		A	192.168.2.2	Glue record
■ _tcp.example.zone.com.		SRV	10 10 80 server.example.zone.com.	An SRV record
■ server.example.zone.com.		A	192.168.1.3	
■ loc.example.zone.com.		LOC	10 S 30 W 401 3 3 3	A location record
■ www.example.zone.com.		CNAME	server.example.zone.com.	

A

Add record

Close

Save

Zone window for the zone named example.zone.com

The Zone Window is where you manage your DNS data. From this window, you can create, modify, enable, disable, and delete resource records in your zone.

To select a record for modification, click on the square that displays directly to the left of the record's name. The color of the square indicates the access level for the record. For example:

- A green square indicates that you have full access to the record.
- A yellow square indicates that you are only allowed to enable and disable the record.
- A red square indicates that you cannot make any changes to the record.

Important: When you make changes to your zone data, the changes are not saved to your server until you click the **Save** button in the Zone Window. If you click the **Back** button in your browser without saving the zone, your changes will not be applied.

Managing Resource Records

Each zone contains DNS resource records that define how requests are processed or delegated by the zone. The Zone Window in QuickDNS Manager displays the resource records in a table view. Refer to the section titled, “Types of Resource Records” on page 10 for a description of the resource record types supported by QuickDNS.

Selecting Resource Records

To select a single resource record, click on the square to the left of the record. This will display a window that allows you to work with the record. Once the record is selected, you can perform various editing actions on it, such as deleting and disabling. These are discussed in more detail later in this section.

Adding a New Record

Follow these instructions to add a new record to a zone.

1. In the Zone Window, click the record type menu to choose the type of record you want to add. The following types of resource records can be created: **NS, A, PTR, CNAME, MX, AAAA, WKS, RP, AFSDDB, SRV, HINFO, TXT, LOC** and **Comment**.

2. Click the **Add** button in the Zone Window.

The record editing window is displayed.

3. Starting with the **Name** field, enter the domain name.

Note: If you enter a domain name that is not fully qualified (i.e. does not end in a dot “.”), QuickDNS will assume that you are using a local name and will automatically append the name of the zone onto the end of the name, making it a fully qualified domain name. That means when adding the name server “ns1” to the zone “example.com”, you should enter either just “ns1” or “ns1.example.com.” If you leave off the period at the end QuickDNS will interpret your intention as a

“ns1.example.com.example.com.”

The information automatically filled in by QuickDNS appears in gray.

4. Hit the [Tab] key to advance the focus to the **TTL** field and enter the time-to-live for the record.

Note: If you leave this field empty, the default time-to-live value will be used for the record.

5. Hit the [Tab] key to advance the focus to the first **Data** field and enter the appropriate data for your record type. Refer to the section titled, “Types of Resource Records” on page 10 for specific information about each record type.
6. Click **OK**.

Note: An exclamation mark will appear at the left edge of a record that is incomplete or improperly entered. QuickDNS will not allow you to save the changes to this zone until the record is repaired. You can get specific information about the error by placing the pointer on the exclamation mark.



An incorrectly configured record (Belongs to a different domain).

Removing, Disabling, and Enabling Resource Records

Deleting Records

Deleting a record removes both the data and the physical record from the Zone window. Records beneath the deleted one are moved up to fill in the space.

1. In the Zone Window, select the record that you want to delete by clicking on the square to the left of the record.
2. Click the **Delete** button in the record editing window. The record is immediately deleted from the zone.

Disabling and Enabling Records in the Zone Window

You can disable a record without deleting it. The disabled record performs no function, however, it can be instantly enabled when its services are needed, without having to re-type the record.

Note: You cannot disable record in dynamic zones, and if you are working with a dynamic zone, the checkbox for disabling records will not be displayed in the record editing window.

HOW TO DISABLE A RECORD

1. In the Zone Window, select the record that you want to delete by clicking on the square to the left of the record.
2. Deselect the **Record enabled** checkbox in the record editing window.

Disabled records are grayed out in the Zone window.

<input type="checkbox"/>	example.zone.com.		NS	trial2.menandmice.com.	
<input type="checkbox"/>	disabled.example.zone.com.		A	192.168.1.2	A disabled record
<input type="checkbox"/>	sub.example.zone.com.		NS	ns1.sub.example.zone.com.	Delegation record

Disabled fields are grayed out in the Zone window.

3. Click **OK**.
4. Click the **Save** button to save the changes to the zone.

HOW TO RE-ENABLE A RECORD

1. In the Zone Window, select the record that you want to re-activate by clicking on the square to the left of the record.
2. Select the **Record enabled** checkbox in the record editing window.
3. Click **OK**.
4. Click the **Save** button to save the changes to the zone.

Types of Resource Records

There are a variety of resources records that actively effect zones, as well as several informational records that can be used to provide supporting data about a zone. The primary record types are described in the table below.

Common Resource Records

Record Type	Description
-------------	-------------

NS	The Name Server record is used to list a name server for this zone. NS records state the domain name of the zone's name servers. The name of an NS record is the fully qualified domain name of a zone. Every zone must have at least one NS record with the same name as the zone itself.
----	--

Example:

Name	Type	Data
example.com.	NS	ns1.example.com.

A	Also known as an Address record, an A record declares the IP address of a domain name. This defines a "Hostname-to-IP Address" mapping, or a forward mapping.
---	---

Example:

Name	Type	Data
example.com.	A	192.168.0.1

PTR	Also known as Pointer records, PTR records define an "IP Address-to-Hostname" mapping, known as a reverse mapping. A properly configured reverse zone has one PTR record providing the reverse lookup for each IP address. All reverse zones are traditionally part of the .in-addr.arpa. zone. The proper formatting for a PTR record is the 4 octets of the IP address in reverse order, followed by .in-addr.arpa. A properly formatted PTR record for the A record (above) is shown in the following example. In the event that you have multiple A records concerning the same IP address, choose one for the PTR record. If one of the host names is used for a mail server, give that hostname preference because a common use of reverse lookup is to check the source of email.
-----	--

Example:

Name	Type	Data
1.0.168.192.in-addr.arpa.	PTR	example.com.

Record Type	Description
-------------	-------------

CNAME Canonical Name records are used to define an alias. The canonical or primary DNS domain name used in the data is required and must resolve to a valid DNS domain name in the namespace. The name of the record is the name of the alias. So if you want *www.example.com* to bring visitors to *example.com* you'd need to add the line shown in following example.

Example:

Name	Type	Data
www.example.com.	CNAME	example.com.

MX Also known as Mail Exchange records, MX records create mail routes. Each exchanger host must have a corresponding host (A) address resource record in a valid zone. The first field in the record data is the preference number; this is the order in which mail hosts will be used by an outside mail server trying to send mail to a domain. Mail hosts will be contacted from the lowest preference number and work up to the highest preference number. If two MX records have the same preference number, they will be used in random order. Mail servers with the same preference number will not forward to each other, nor will they forward to a mail server with a higher preference number.

Example:

Name	Type	Data
example.com.	MX	10 mail.example.com.

AAAA Maps a DNS domain name to an Internet Protocol (IP) version 6 128-bit address.

Example:

Name	Type	Data
host.example.com.	AAAA	4321:0:1:2:3:4:567:89ab

WKS Similar in function to MX records, Well-Known Service (WKS) records describe the well-known IP services supported by a particular protocol on a specific IP address. They provide TCP and UDP availability information for IP servers. Multiple WKS records should be used for servers that support both TCP and UDP for a well-known service, or that have multiple IP addresses that support a service.

Three fields of data are required: IP address, protocol, and a service list.

Example:

Name	Type	Data
host.example.com.	WKS	10.0.0.1 TCP (ftp smtp telnet)

Record Type	Description
-------------	-------------

RP The Responsible Person record specifies the domain mailbox name for the person responsible for that domain. This name is then mapped to a domain name in which (TXT) resource records exist in the same zone. When RP records are used in DNS queries, subsequent queries are used to retrieve associated text (TXT) resource record information. Two fields of data are required: the domain name you are searching, and the domain where TXT resource records exist.

Example:

Name	Type	Data
my.example.com.	RP	who.example.com txtrec.example.com

AFSDB The Andrew File System Database resource record maps a DNS domain name to the host name for a server computer of a server subtype. Two fields of data are required:

The first is a *subtype*, which can have one of two supported numeric values:

- A “1” indicates that the server is an AFS version 3.0 volume location server for the named AFS cell.
- A “2” indicates that the server is an authenticated name server holding the cell-root directory node for the server that uses either Open Software Foundation's (OSF) DCE authenticated cell-naming system or HP/Apollo's Network Computing Architecture (NCA).

The second field is the server's host name.

Example:

Name	Type	Data
abc.example.com.	AFSDB	1 afs-server.example.com.

Record Type	Description
-------------	-------------

SRV Service records are intended to provide information on available services. They allow multiple servers providing a similar TCP/IP-based service to be located using a single DNS query operation.

An SRV record has four fields and a special system for naming. The naming system is an underscore followed by the name of the service, followed by a period, an underscore, and then the protocol (generally TCP or UDP), another dot, and then the name of the domain. The four fields are:

- **Priority.** Used the same way as the *preference number* in MX records.
- **Weight.** This determine the relative capacity between SRV fields with the same priority. Hits will be assigned proportionately by weight, allowing a powerful and a weak server to share appropriate loads.
- **Port.** The port of the service offered.
- **Hostname.** The name of the domain.

Example:

Name	Type	Data
<code>_http._tcp.example.com.</code>	SRV	10 5 80 www.example.com.

HINFO The Host information resource record specifies the type of CPU and operating system, respectively, for the host DNS domain name. This information is used by some application protocols, such as FTP, which use special procedures when communicating with computers of a known CPU and operating system type. Hardware information belongs in the first data field and OS information in the second field, as shown in the example below.

Example:

Name	Type	Data
<code>comname.example.com.</code>	HINFO	Intel-PIII WIN2K

TXT A Text Record allows you to include up to 255 characters of free-form descriptive text in your zone file. The order of resource records in zone files is not preserved, so it is best to keep messages confined to one record.

Example:

Name	Type	Data
<code>random.example.com.</code>	TXT	The quick brown fox jumped over the lazy dog.

Record Type	Description
-------------	-------------

LOC Geographic Location Records provide exact altitude, latitude, and longitude information. There is not much in the way of a practical application for this record, though some industries may find it to be of limited value. The LOC record can accept as few as three or as many as six fields of data:

- Degrees latitude in degrees, minutes, seconds, N or S.
- Degrees longitude in degrees, minutes, seconds, E or W.
- Altitude in meters. This is single value, you may add an “M”.
- Size of machine in terms of an enclosing sphere in meters radius. Expressed as a number, or an number immediately followed by an “M”. (Optional.)
- Horizontal precision of the data in meters, with or without an “M”. (Optional, not available if 4 is blank.)
- Vertical precision of data in meters, with or without an “M”. (Optional, not available if 5 is blank.)

Example:

Name	Type	Data
geo.example.com.	LOC	42 21 43.528 N 71 05 06.284 W 12m

The SOA Record

Every zone contains one SOA record. The SOA record fields are described below.

Record Type	Description
Master	This field gives the name of the server that acts as master server for the zone.
Hostmaster	This field is properly formatted by giving the e-mail address of the person responsible for zone with the “@” symbol replaced with a “.” So instead of “hostmaster@example.com.” you have “hostmaster.example.com.”.
Serial Number	The serial number is a ten digit number consisting of the year, the month, the day, and a 2 digit daily revision number. (Actually, it’s any integer between 0 and ~ 4 billion, but the preceding is the standard convention.) To create a unique serial number, QuickDNS Manager adds 1 to the daily revision number every time the zone is saved.
Refresh	This is the period (in seconds) that determines how often slave servers will check with the master server to determine if their zone files are up to date. This is done by checking the serial number. The default value for this field is 28800, which equates to once every 8 hours.
Retry	This determines the period that a slave server will wait before trying to re-contact the master zone (in the event that an earlier contact attempt is unsuccessful). The default value is 7200 seconds, or once every 2 hours.
Expire	This value determines how long a slave server will keep serving a zone after its last successful contact to the master name server. Once the zone has expired, the slave stops giving information about the zone because it is deemed unreliable. The default expiration period is 604800 seconds, or 1 week.
Neg. caching	This field is only available when connected to a BIND server. This value specifies how long a server will retain (cache) the knowledge that something does not exist. The default value is 86400 seconds, 24 hours.
Default TTL	This value serves as the default time-to-live for all records without an explicit TTL value. The default value is 86400 seconds, 24 hours.
TTL of SOA	This TTL applies to the SOA record. It represents the maximum time in seconds any outside DNS server should cache this data. The default value is 86400 seconds, 24 hours.
