

NAME

dns – Query the Domain Name System of the Internet.

DESCRIPTION

The **dns** command allows to query the Internet Domain Name System (DNS) (RFC 1034, RFC 1035, RFC 974, RFC 1912) for host information. The main purpose of this command is to convert host names into IP addresses and vice versa. The **dns** command also allows to retrieve host information records as well as mail exchanger records.

DNS COMMAND**dns** [*options*]

Invoking the **dns** command with options but without any command arguments allows to retrieve and change the default values. See the description of supported options below. Default values are bound to a Tcl interpreter which allows to have multiple Tcl interpreter with different defaults.

dns [*options*] **address** *host*

The **dns address** command sends a query to retrieve the address record for the specified *host*. The command returns the list of IP addresses for the given host name.

dns [*options*] **name** *address*

The **dns name** command sends a query to retrieve the domain name pointer record. A pointer record maps an IP address to a fully qualified domain name (FQDN). The command returns the fully qualified domain name for the given IP *address*.

dns [*options*] **hinfo** *name*

The **dns hinfo** command sends a query to retrieve the host information record. The command returns a list containing two elements. The first element describes the hardware type and the second element the operating system.

dns [*options*] **mx** *name*

The **dns mx** command sends a query to retrieve the mail exchanger record. The command returns a list of mail exchanger records if *name* is a domain name for which one or more MX records exist. Each element of this list contains a full qualified domain name (FQDN) and its priority.

dns [*options*] **soa** *name*

The **dns soa** command sends a query to retrieve the start of authority record for a DNS domain. The command returns the name of the authoritative DNS server of the DNS domain *name*.

DNS OPTIONS**-server** *server*

The **-server** option defines the DNS *server* which will be used to process the request. The default value is the default DNS server configured on the local system.

-timeout *time*

The **-timeout** option defines the time the dns command will wait for a response. The *time* is defined in seconds with a default of 2 seconds.

-retries *number*

The **-retries** option defines how many times a request is retransmitted during the timeout interval. The default *number* of retries is 2. Please note, that many resolver double the last timeout after every retry.

SEE ALSO

scotty(1), Tnm(n), Tcl(n)

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