

fhstp-dig Cheat Sheet

ADDITIONAL

version

by creo via cheatography.com/58528/cs/15457/

Syntax

dig [@server] name [type] [class] [options]

List specific resource record types				
Base Syntax:	dig	fhstp.ac.at	type	
Authority Record	dig	fhstp.ac.at	SOA	
IPv4 address(-	dig	fhstp.ac.at	A	

es)

IPv6 address(- dig fhstp.ac.at AAAA

es)

 $\begin{tabular}{lll} \begin{tabular}{lll} Canonical & dig fhstp.ac.at CNAME \\ Records & \end{tabular}$

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Standard dig

Reverse Lookup 2.69.219.91.in-addr.a

rpa PTR

 $\begin{array}{ll} \textbf{Simple Reverse} & \texttt{dig -x fhstp.ac.at} \\ \textbf{Lookup} \end{array}$

Caveat: If you forget to configure MX records for an object, most mail servers will try to deliver messages to the A record associated to the host.

Who do we talk to?

Local v4 resolver	dig -4 fhstp.ac.at
Local v6 resolver	dig -6 fhstp.ac.at
Defined v4 resolver	<pre>dig -4 @<dnsserver> fhstp.ac.at</dnsserver></pre>
Defined v6 resolver	<pre>dig -6 @<dnsserver> fhstp.ac.at</dnsserver></pre>

<dnsserver> - either a name or an IP address
of an resolver or the DNS server who is
authoritative for the query

Output sections	
HEADER	dig command version, options used, type of operation, status of the operation, message id.
QUESTION	This is your input - the query you sent to the DNS.
ANSWER	Column 2: TTL (cache time) in seconds; Column 3: Class (IN=Internet, CH=Chaos, HS=Hesiod); Column 4: Resource Record Type (A, NS, CNAME, MX, PTR); Column 5: The content of the resource record (IP, Name, Text).
AUTHORITY	The DNS servers that have the authority to answer the query

(in form of NS records).

This section carries resource

records that are attached to help you avoid additional

queries or even bootstrap

certain zones (Glue records).

version.bind CHAOS

Sneaky stuff Request an dig fhstp.tech AXFR AXFR zone transfer Request BIND dig @farnsworth.lab

TXT

Output modifiers	
Example:	dig fhstp.ac.at +foo
+dnssec	Also request associated DNSSEC records
+short	Only show the "pure" answer
+norecurse	Don't ask the resolver to recurse (a.k.a.: "iterative query")
+tcp / +notcp	Use / do not use TCP for this query
+multiline	Display longer records in a more human-readable fashion

Response Codes		
0	NOERR	No error :-)
1	FORMERR	Unable to understand query
2	SERVFAIL	Server problem
3	NXDOMAIN	Domain does not exist
4	NOTIMPL	Query not implemented
5	REFUSED	Query not allowed

If the verification of a DNSSEC signed answer fails, this also results in ${\tt SERVFAIL}$

Response Flags

AA	Authoritative Answer
TC	Truncated
RD	Recursion Desired
RA	Recursion Available
AD	Authenticated Data (DNSSEC)
CD	Checking Disabled



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