Table Of Contents

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Home > Faq > Linux

How to test or check reverse DNS

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Q. How do I test or check reverse DNS for given IP address under Linux or Windows XP/Server 2003?

A. Reverse DNS lookup (also known as rDNS) is a process to determine the hostname associated with a given IP address.

Typically, the DNS is used to determine what IP address is associated with a given hostname; so to reverse resolve a known IP address is to lookup what the associated hostname for it. A reverse lookup is often referred to simply as reverse resolving, or more specifically reverse DNS lookups.

The most common uses of the reverse DNS are:
=> Anti-spam
=> Network troubleshooting
=> Avoid spammers and phishers using a forward confirmed reverse DNS etc

You can use standard UNIX / Linux utilities such as nslookup, dig or hosts to find out reverse DNS of a given IP address.

Task: Find Reverse DNS for IP 75.126.43.235 under Linux/UNIX

```
$ host 75.126.43.235
```

Output:

```
235.43.126.75.in-addr.arpa domain name pointer cyberciti.org.
```

IP 75.126.43.235 is reverse mapped to cyberciti.org.

Task: Find Reverse DNS for IP 75.126.43.235 under Linux/UNIX/Windows

nslookup works under Windows and UNIX like oses:
```
nslookup 75.126.43.235
```

Output:

```
Server:         208.67.222.222
Address:        208.67.222.222#53

Non-authoritative answer:
235.43.126.75.in-addr.arpa      name = cyberciti.org.

Authoritative answers can be found from:
```

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