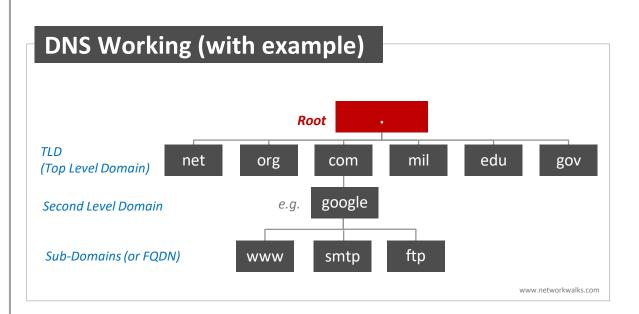**network** Walks

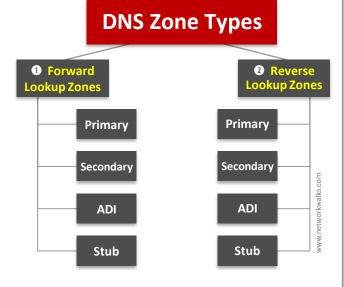## DNS ANSWER TYPES

Negative No IP exists for this Name

Authoritative Answer from an authoritative DNS Name Server

Non-Authoritative Answer from any other server than the Authoritative NS

Referral The answer that refers to another server

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DNS Root Servers

NO	HOSTNAME	IP ADDRESSES	MANAGER
1	a.root-servers.net	198.41.0.4, 2001:503:ba3e::2:30	VeriSign, Inc.
2	b.root-servers.net	199.9.14.201, 2001:500:200::b	University of Southern California (ISI)
3	c.root-servers.net	192.33.4.12, 2001:500:2::c	Cogent Communications
4	d.root-servers.net	199.7.91.13, 2001:500:2d::d	University of Maryland
5	e.root-servers.net	192.203.230.10, 2001:500:a8::e	NASA (Ames Research Center)
6	f.root-servers.net	192.5.5.241, 2001:500:2f::f	Internet Systems Consortium, Inc.
7	g.root-servers.net	192.112.36.4, 2001:500:12::d0d	US Department of Defense (NIC)
8	h.root-servers.net	198.97.190.53, 2001:500:1::53	US Army (Research Lab)
9	i.root-servers.net	192.36.148.17, 2001:7fe::53	Netnod www.networkwalks.com
10	j.root-servers.net	192.58.128.30, 2001:503:c27::2:30	VeriSign, Inc.
11	k.root-servers.net	193.0.14.129, 2001:7fd::1	RIPE NCC
12	l.root-servers.net	199.7.83.42, 2001:500:9f::42	ICANN
13	m.root-servers.net	202.12.27.33, 2001:dc3::35	WIDE Project

DNS Working (with example)

Root **.**

TLD (Top Level Domain): net | org | com | mil | edu | gov

Second Level Domain: *e.g.* google

Sub-Domains (or FQDN): www | smtp | ftp

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DNS Zone Types

❶ Forward Lookup Zones
- Primary
- Secondary
- ADI
- Stub

❷ Reverse Lookup Zones
- Primary
- Secondary
- ADI
- Stub

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