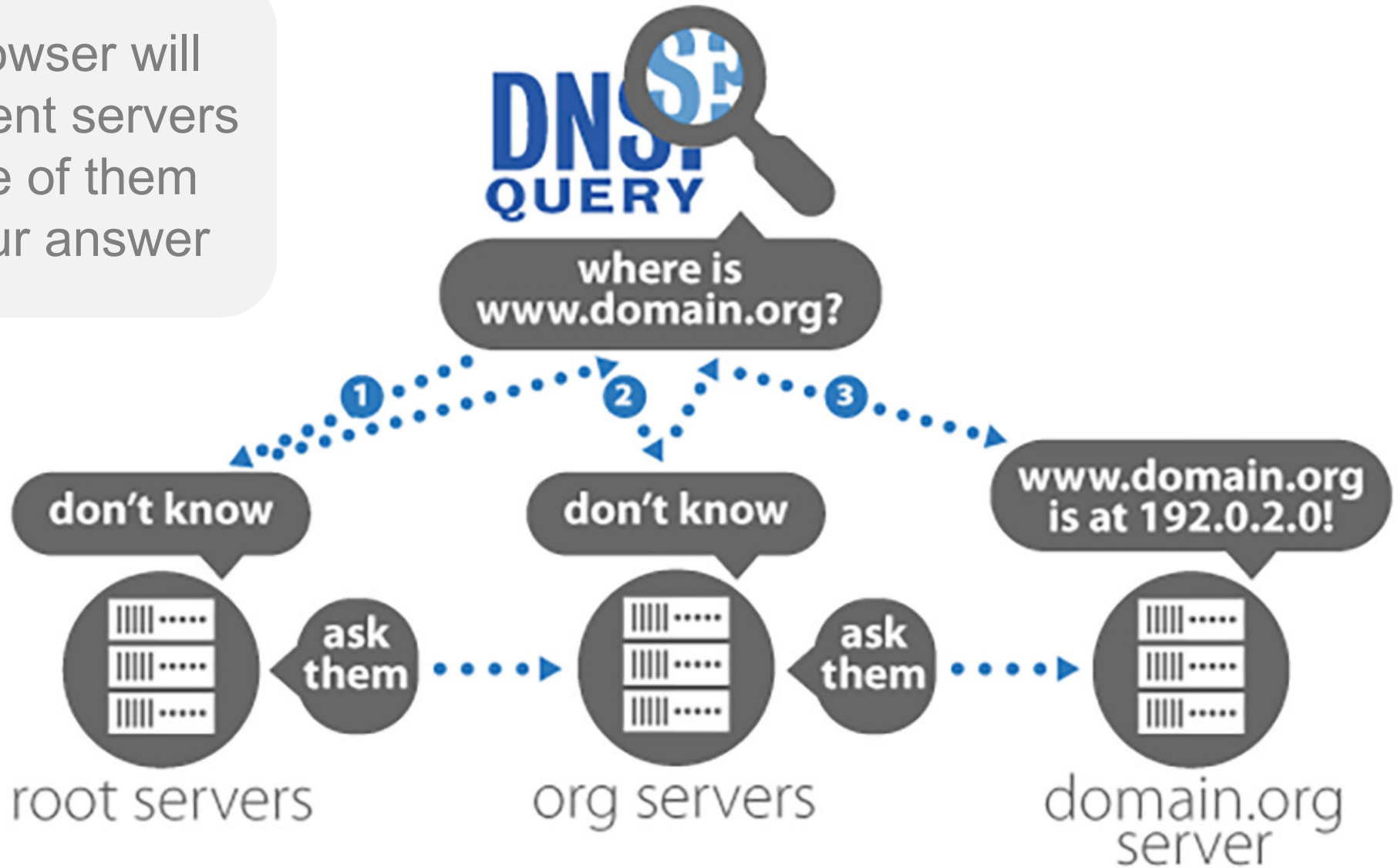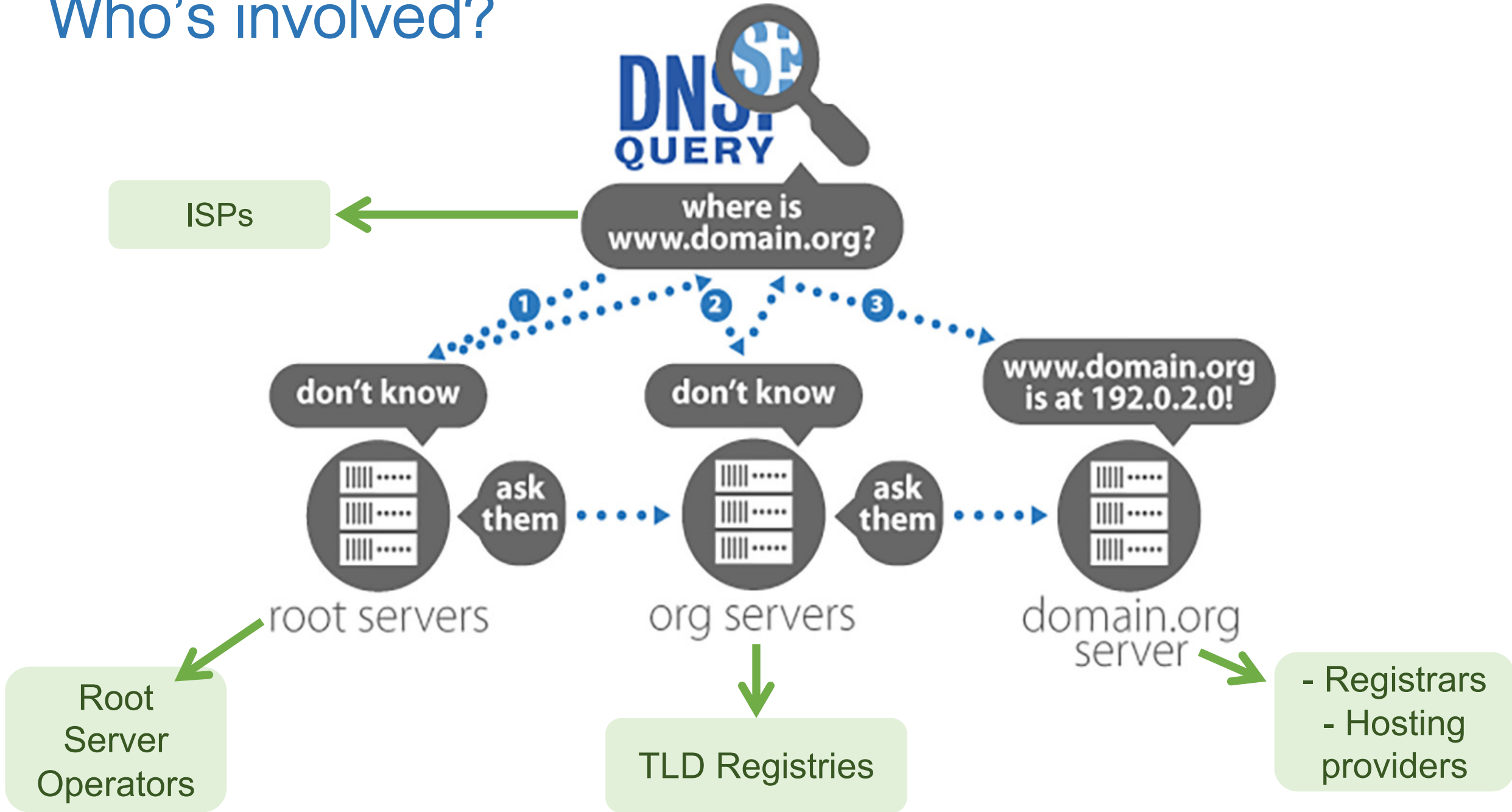# Introduction to the DNS

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Your browser will ask different servers until one of them finds your answer
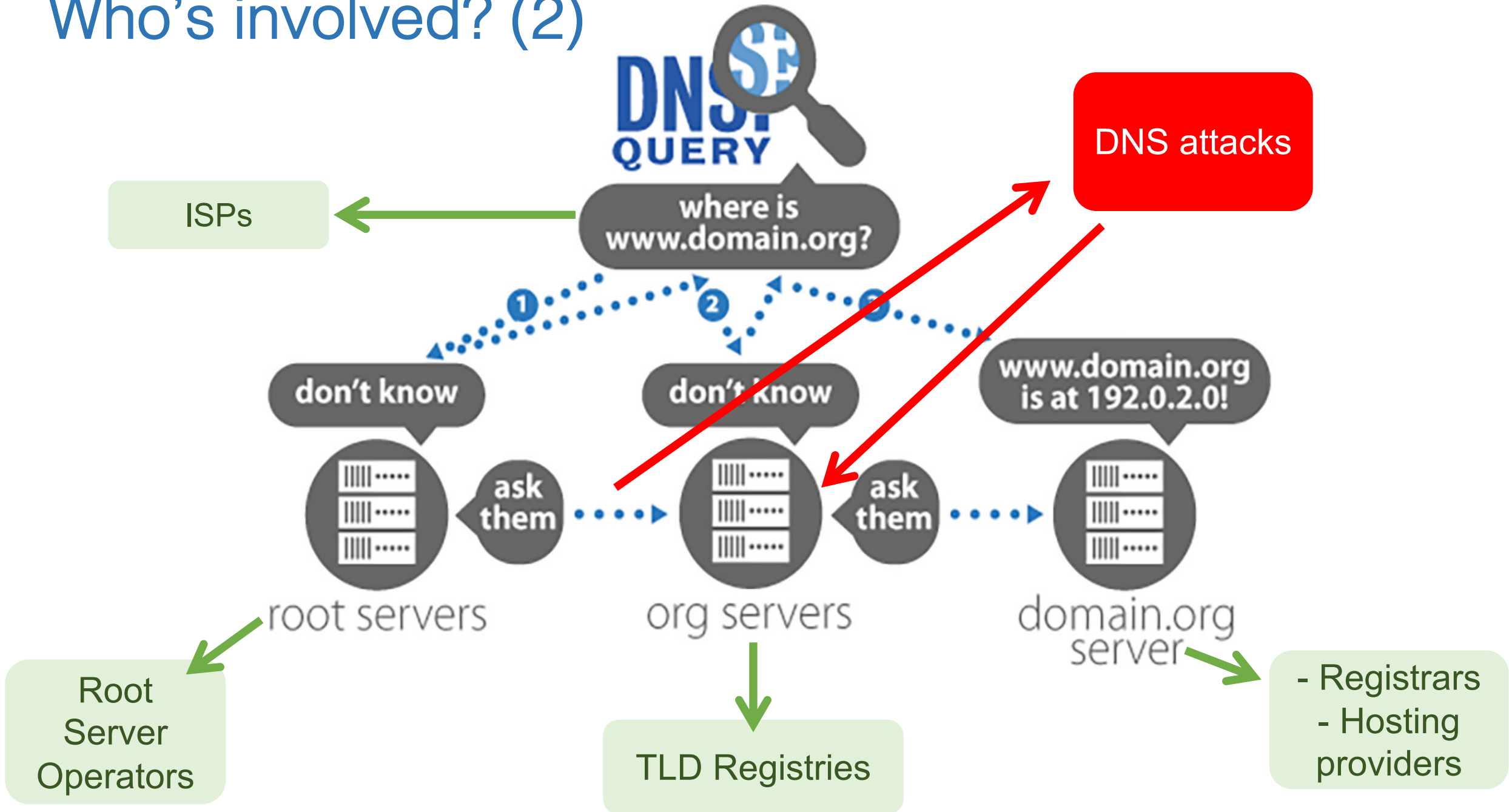
DNS QUERY

where is www.domain.org?

① ② ③

don't know

don't know

www.domain.org is at 192.0.2.0!

ask them

ask them

root servers

org servers

domain.org server

DNS query what happens when you enter a domain name into your browser?

Who's involved?

Who's involved? (2)

The 'Ecosystem'

Domain Names
ICANN
ccTLDs

ISPs

IP addresses
(RIRs)

Protocol
Parameters
(IETF)

Root
Server
Operators

TLD Registries

- Registrars
- Hosting
providers