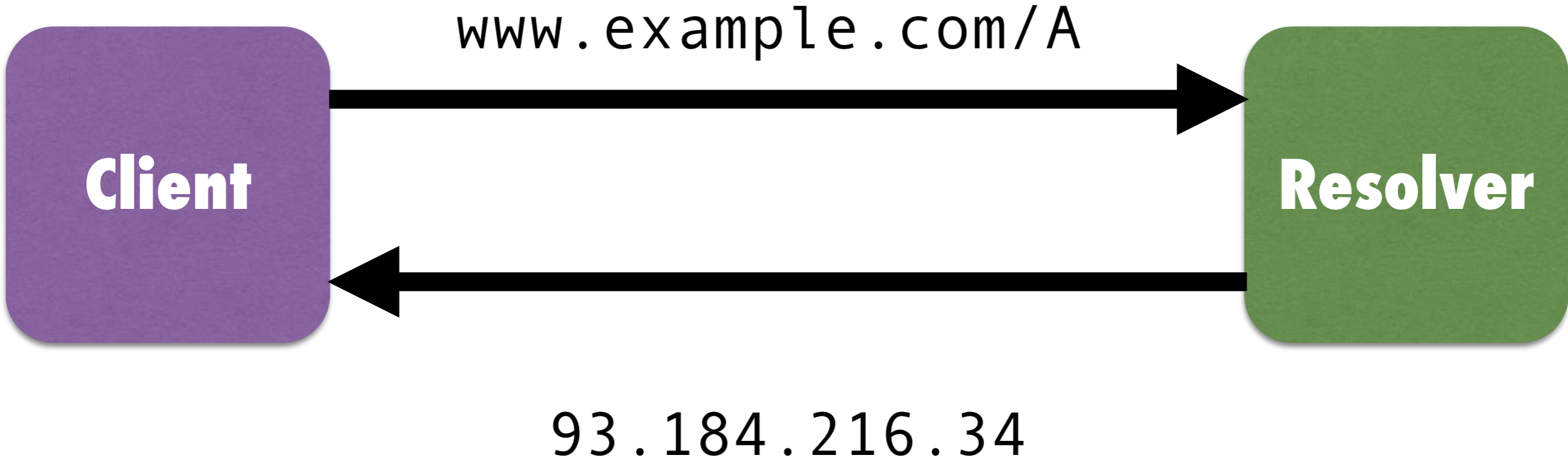


The DNS flag day: future-proofing the DNS

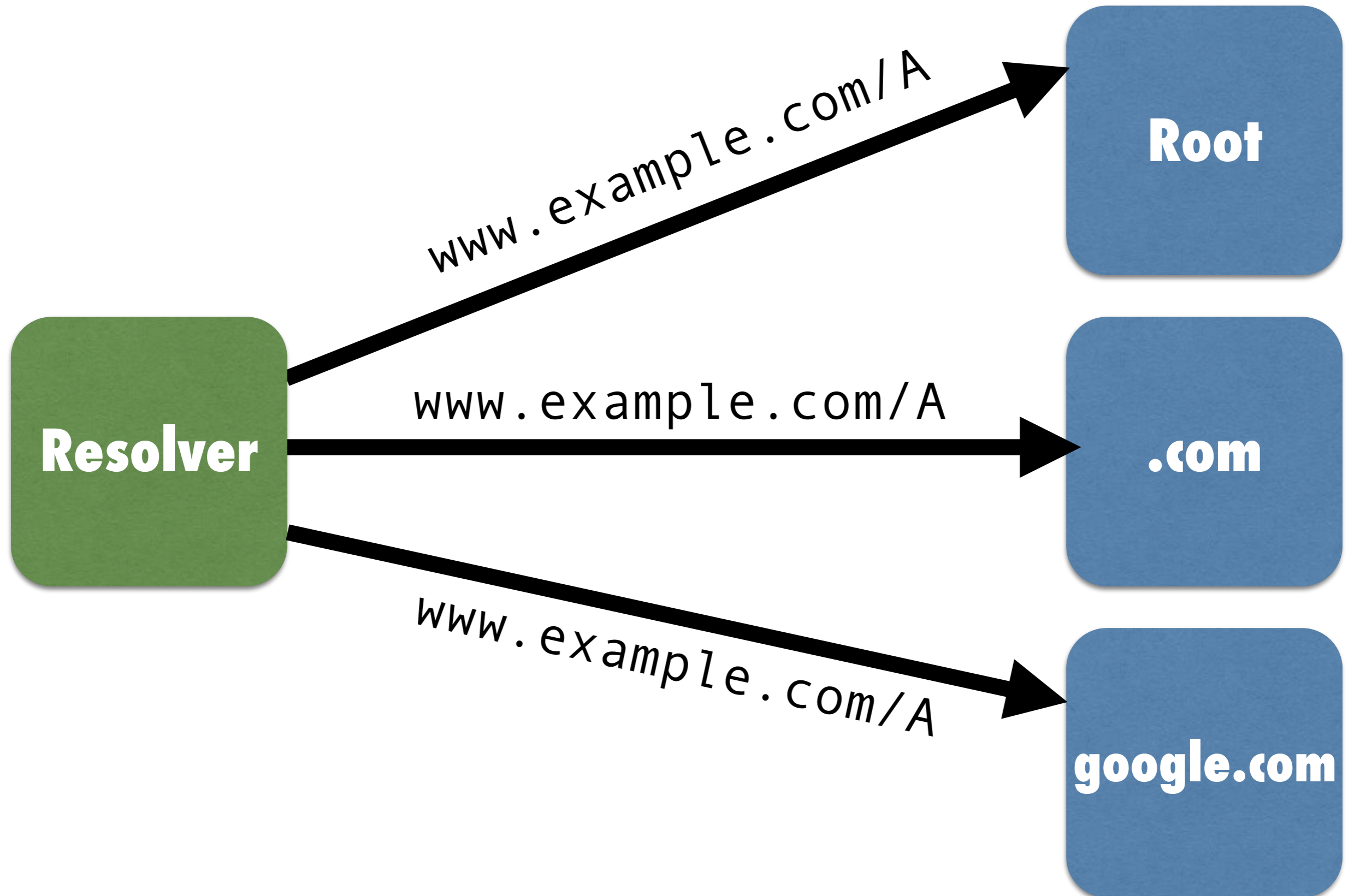
Peter van Dijk
Senior Engineer

POWERDNS 
AN  COMPANY

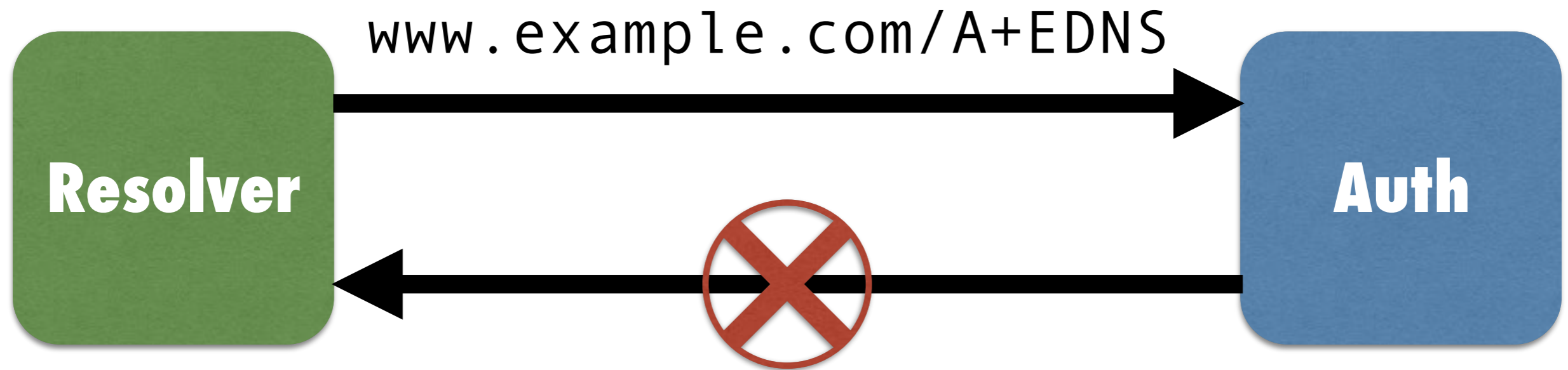
Client requests



Recursion



Recursion with EDNS



FORMERR

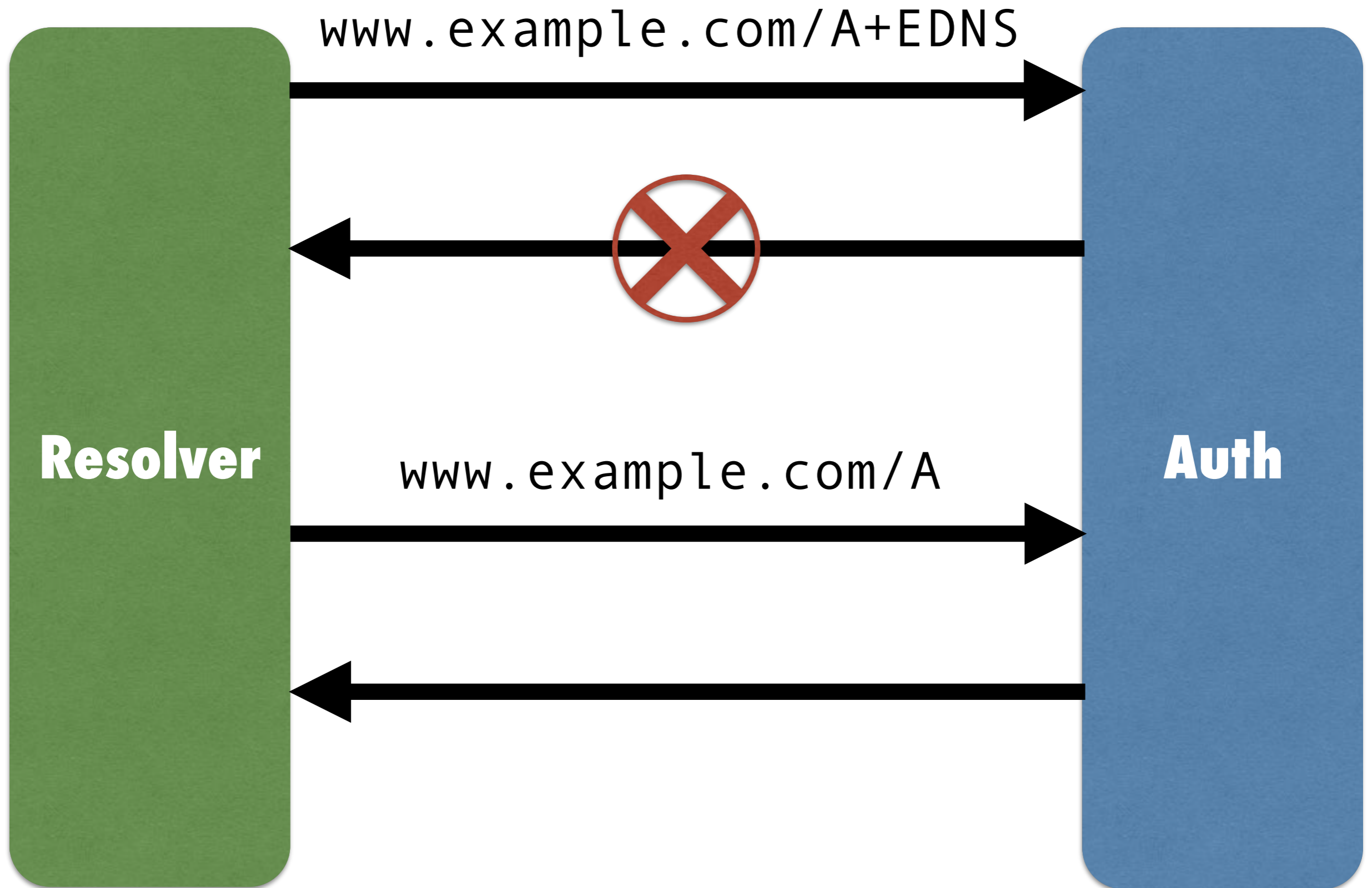
SERVFAIL

NXDOMAIN

NOTIMP

empty answer

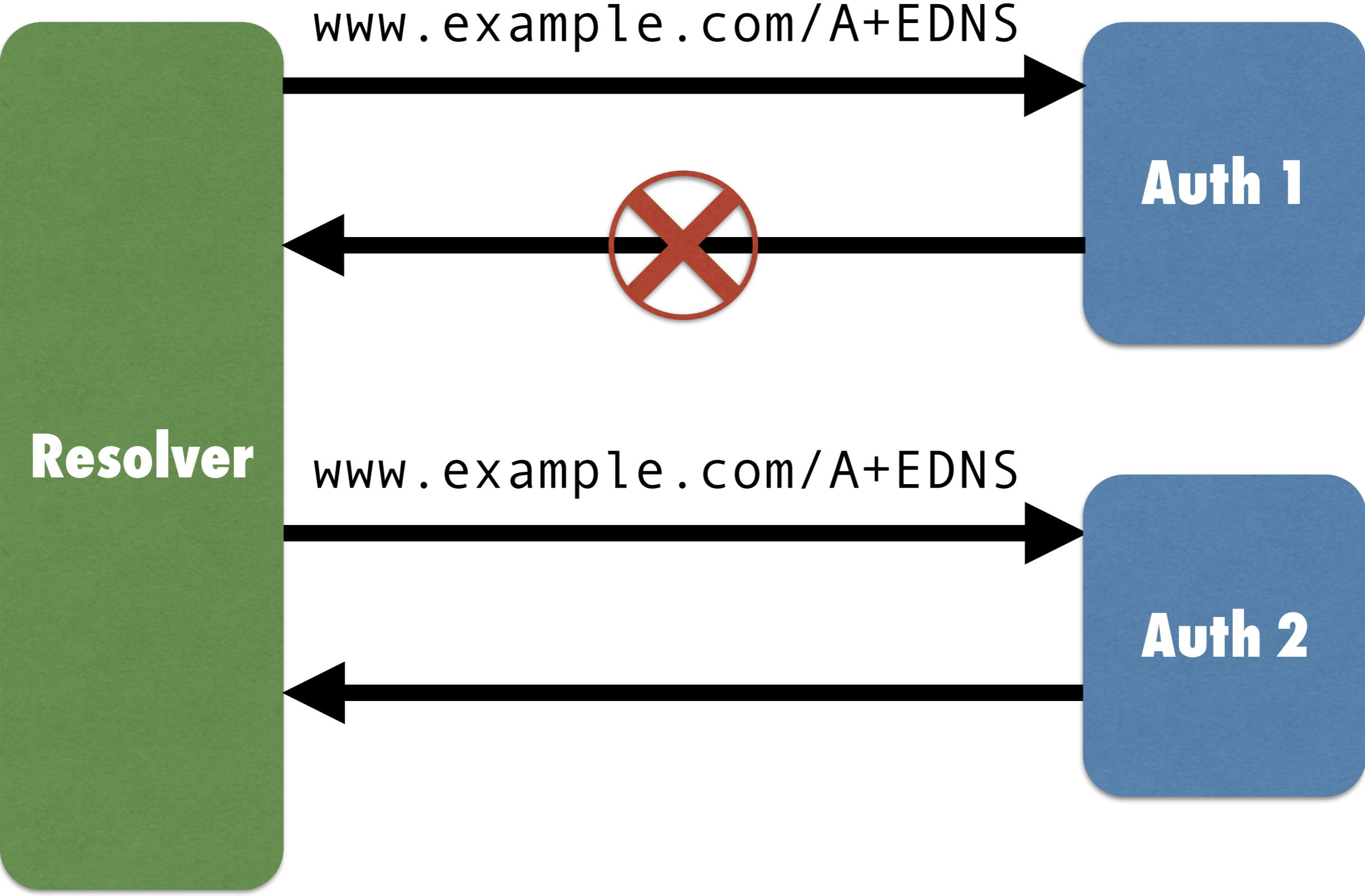
EDNS fallback, today



A change is coming



After Feb 1st, 2019



Are you ready?

<https://dnsflagday.net/>

Domain owners

Please check if your domain is affected:

Test your domain

Domain name (without www):

Testing completed:

nlhog.net: All Ok!



This domain is perfectly ready, congratulations!

Are you ready?

<https://ednscomp.isc.org/>

EDNS Compliance Tester

Checking: 'nlnog.net' as at 2018-09-03T22:17:55Z

nlnog.net. @204.42.254.5 (puck.nether.net.): dns=ok edns=ok edns1=ok edns@5
ednsflags=ok docookie=ok edns512tcp=ok optlist=ok
nlnog.net. @2001:418:3f4::5 (puck.nether.net.): dns=ok edns=ok edns1=ok edns@
ednsflags=ok docookie=ok edns512tcp=ok optlist=ok

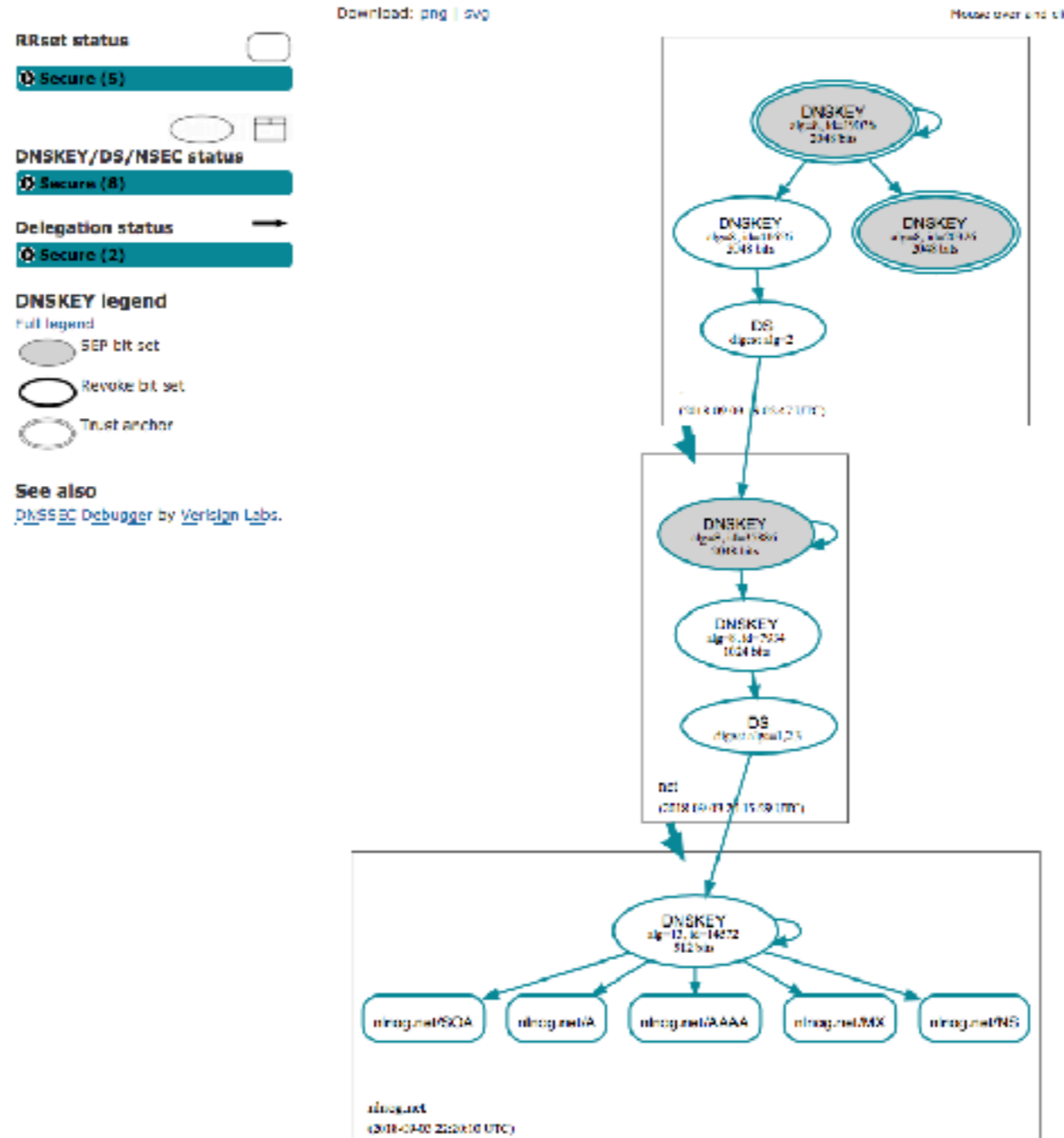
nlnog.net. @94.142.241.53 (ns1.6core.net.): dns=ok edns=ok edns1=ok edns@51
ednsflags=ok docookie=ok edns512tcp=ok optlist=ok,nsid (caladan.6core.net)
nlnog.net. @2a02:898:52:1::1 (ns1.6core.net.): dns=ok edns=ok edns1=ok edns@
ednsflags=ok docookie=ok edns512tcp=ok optlist=ok,nsid (caladan.6core.net)

nlnog.net. @83.247.10.51 (a.ns.meerval.net.): dns=ok edns=ok edns1=ok edns@:
ednsflags=ok docookie=ok edns512tcp=ok optlist=ok,nsid (skein.6core.net)
nlnog.net. @2001:9e0:803:99::51 (a.ns.meerval.net.): dns=ok edns=ok edns1=ok
ednsflags=ok docookie=ok edns512tcp=ok optlist=ok,nsid (skein.6core.net)

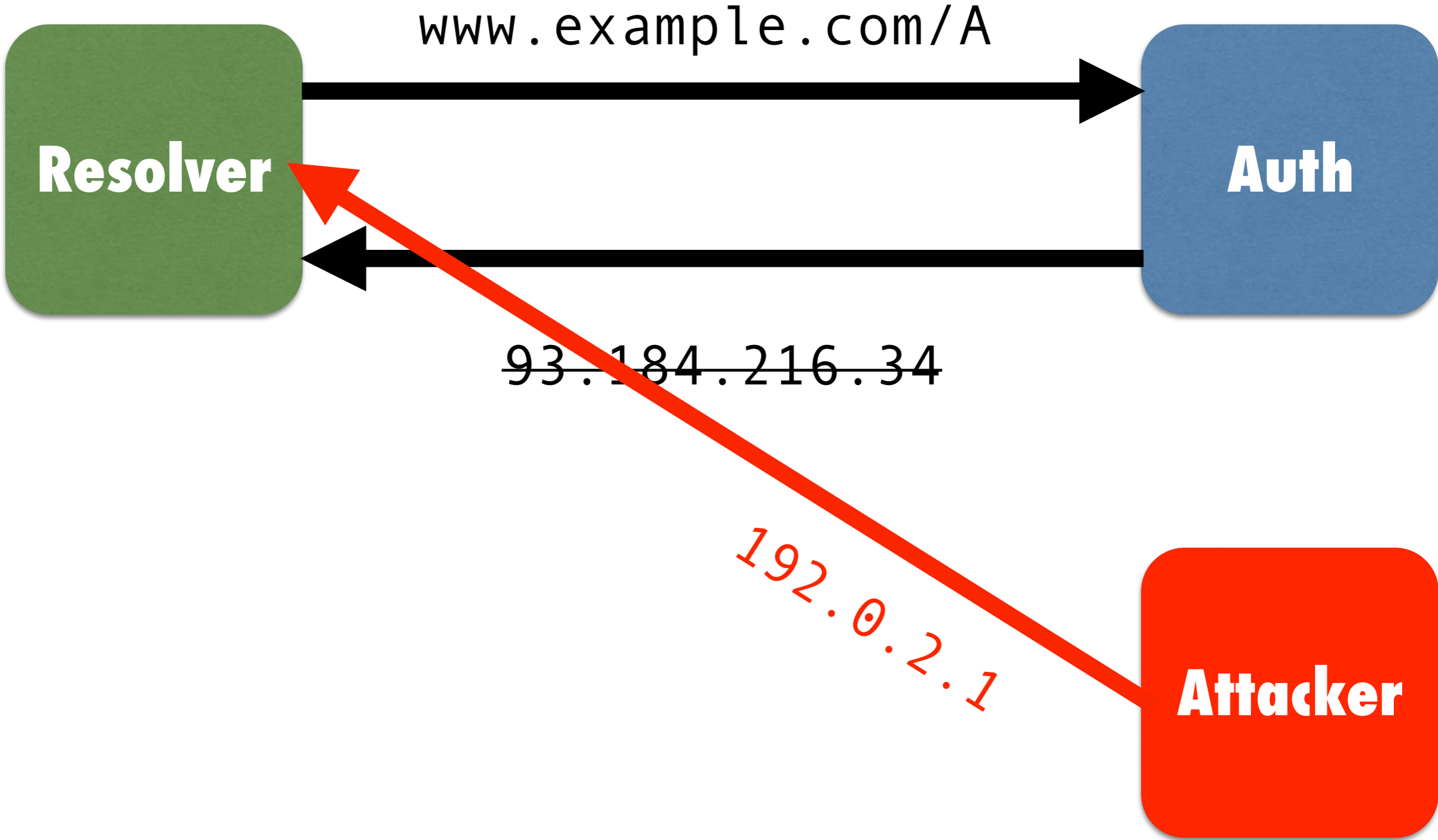
All Ok

Are you ready?

<http://dnsviz.net/>



Spoofting



Questions?



/Habбие

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The DNS flag day: future-proofing the DNS

Peter van Dijk
Senior Engineer

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