


DNSSEC?

No thanks, I've got
DNS-over-TLS....

DISCLAIMERS

- This is an introduction - there are some oversimplifications here.

INTEGRITY

Bank of America 

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03/01/19 10:30 WCAD0387
XXXXXXXX1807
*SFO INTL AIRPORT-ITG GAT
SAN FRANCISCO CA

Ser. No. 4745
Debit
A0000000042203
Withdrawal
From CHECKING
Available Balance
ATM Owner Fee
Total Amount

\$700.00
Checking
\$11.60
\$2.50
\$702.50

Member FDIC



Next time use your phone instead of your card.
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CONFIDENTIALITY

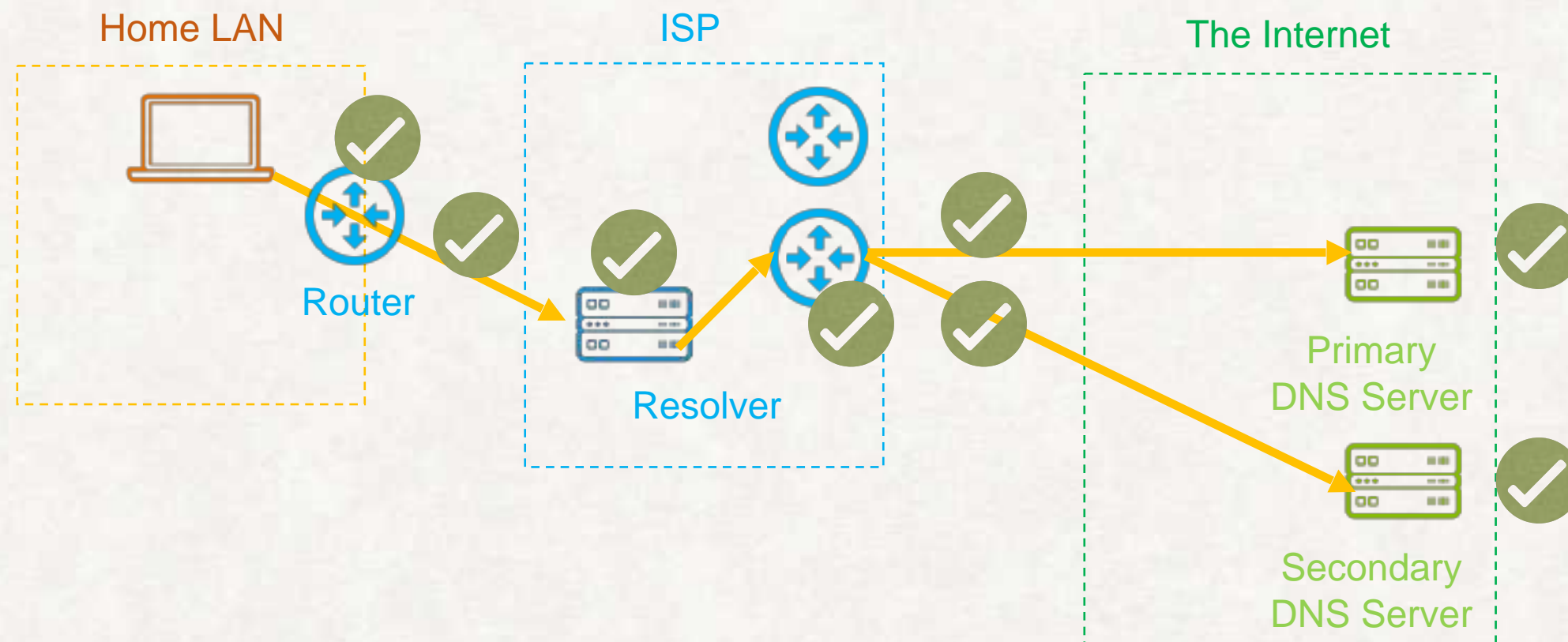


APPLES AND ORANGES

- Integrity and confidentiality are very different things.
- Elections
 - Integrity of outcome
 - Confidentiality of my vote
- Object versus channel security

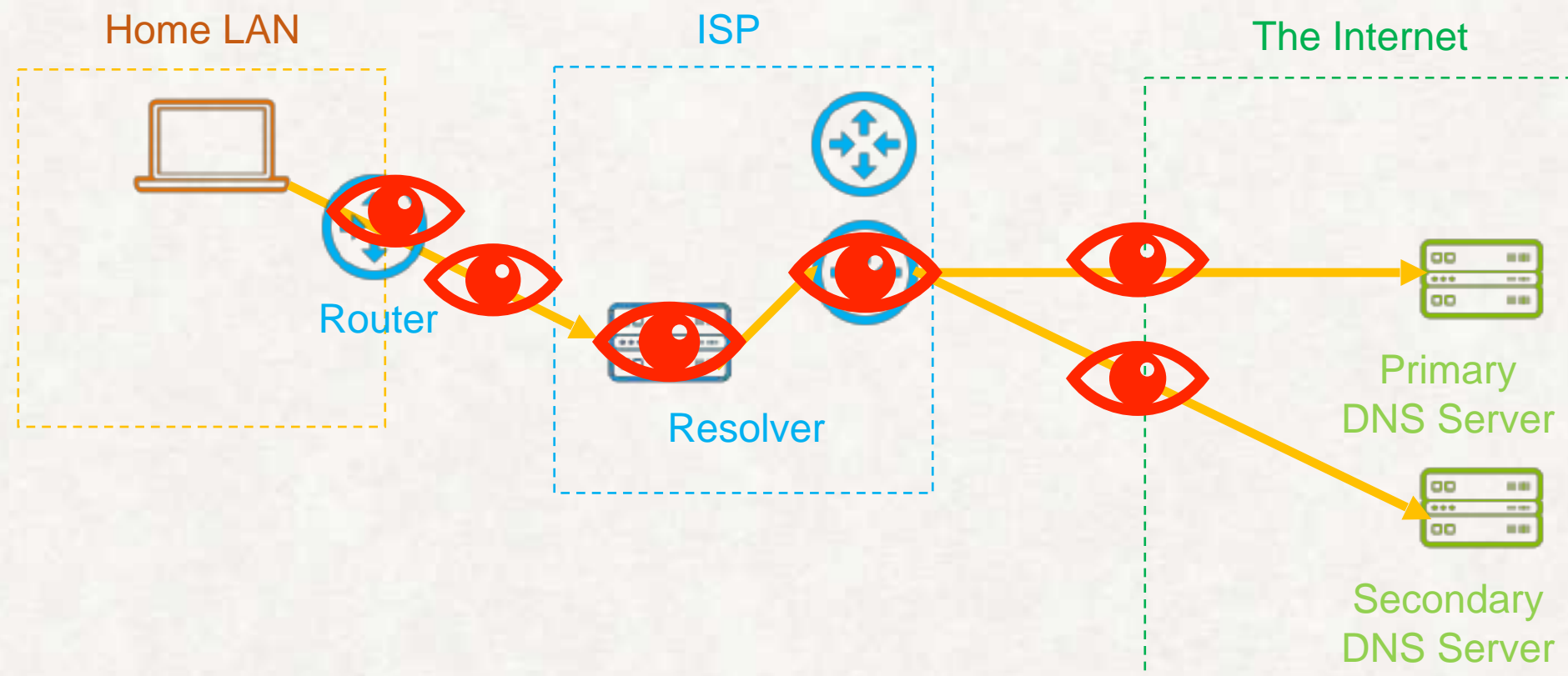
DNSSEC

- Integrity
- `ietf.org. IN RRSIG NS 20200226230752 40452 stgmOpg2pOKJ7 /...JksmUA==`



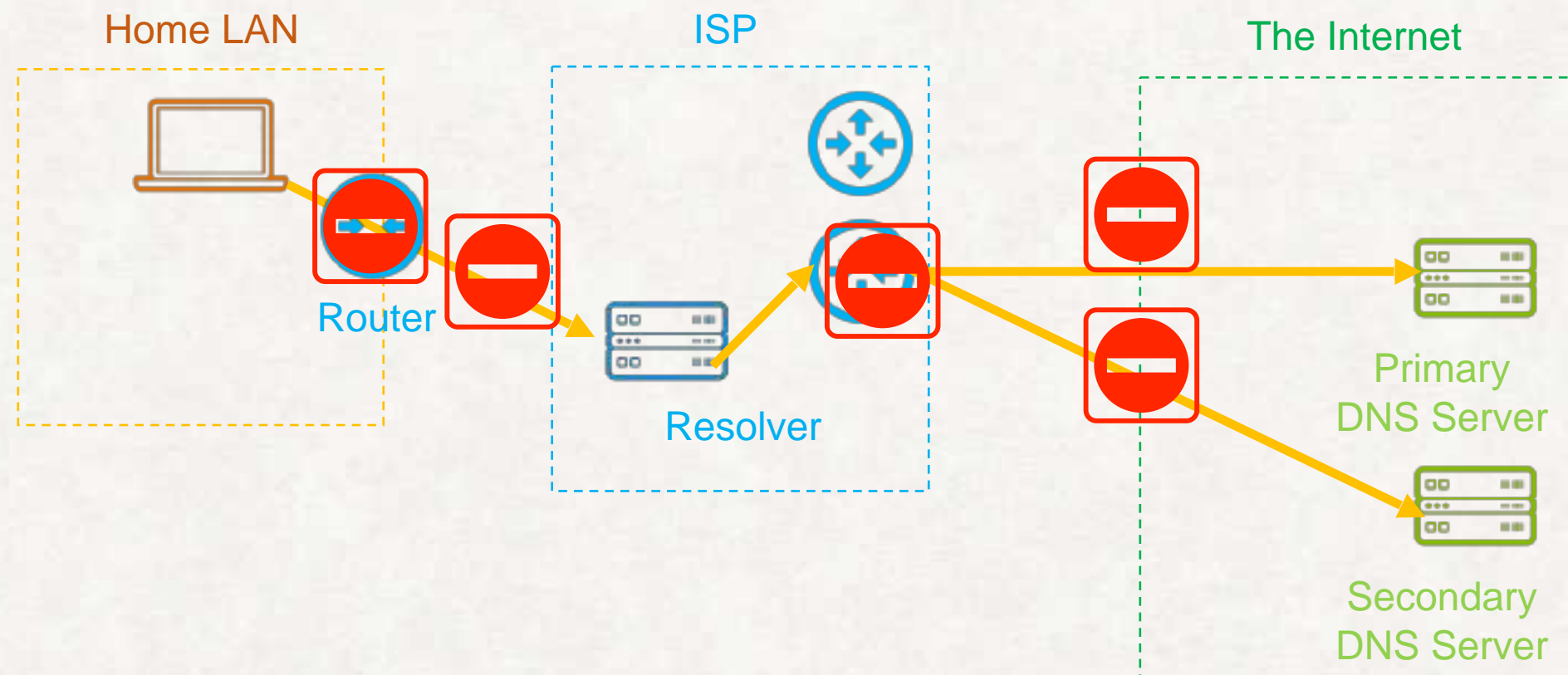
DNSSEC

- ~~Confidentiality~~
- `ietf.org. IN RRSIG NS 20200226230752 40452 stgm0pg2pOKJ7 /...JksmUA==`



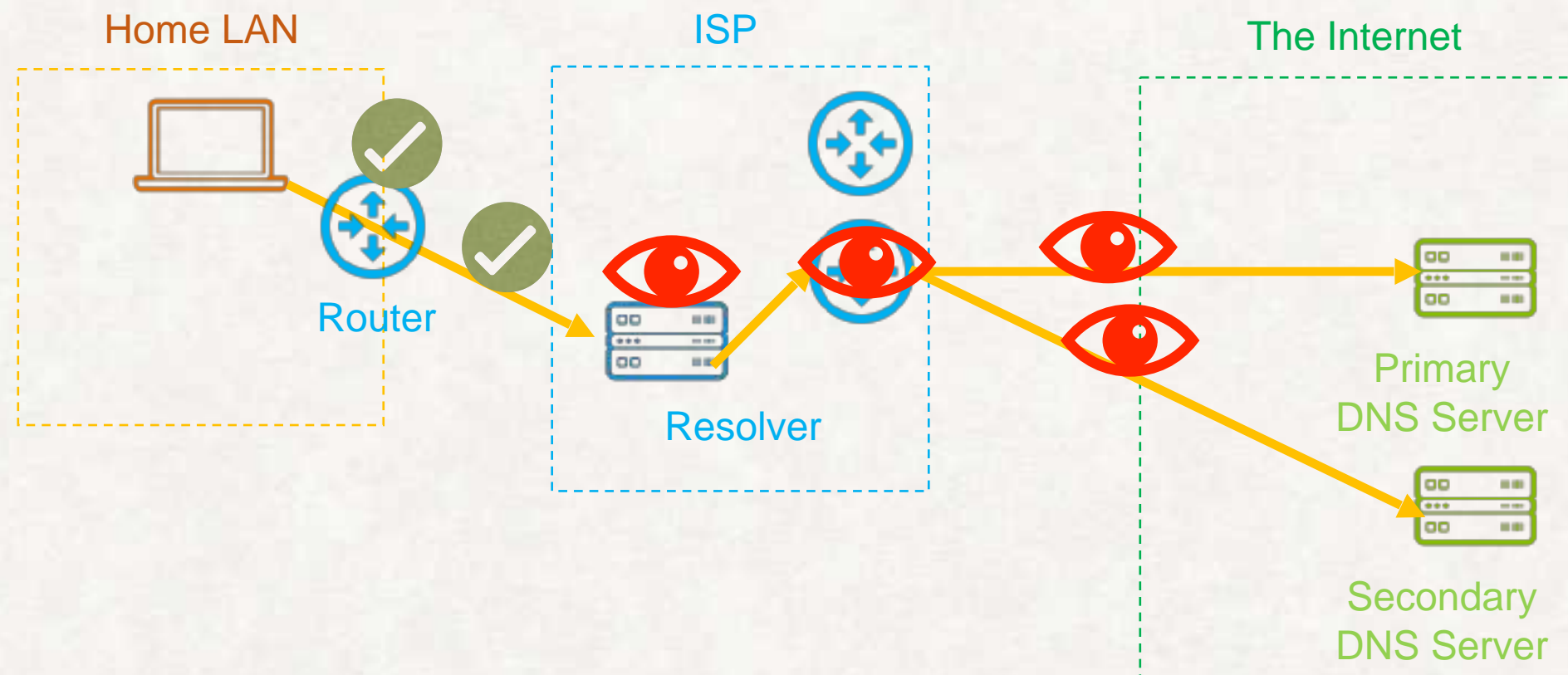
DNSSEC

- ~~Confidentiality~~
- `ietf.org. IN RRSIG NS 2020022623075240452 stgmOpg2pOKJ7 /...JksmUA==`



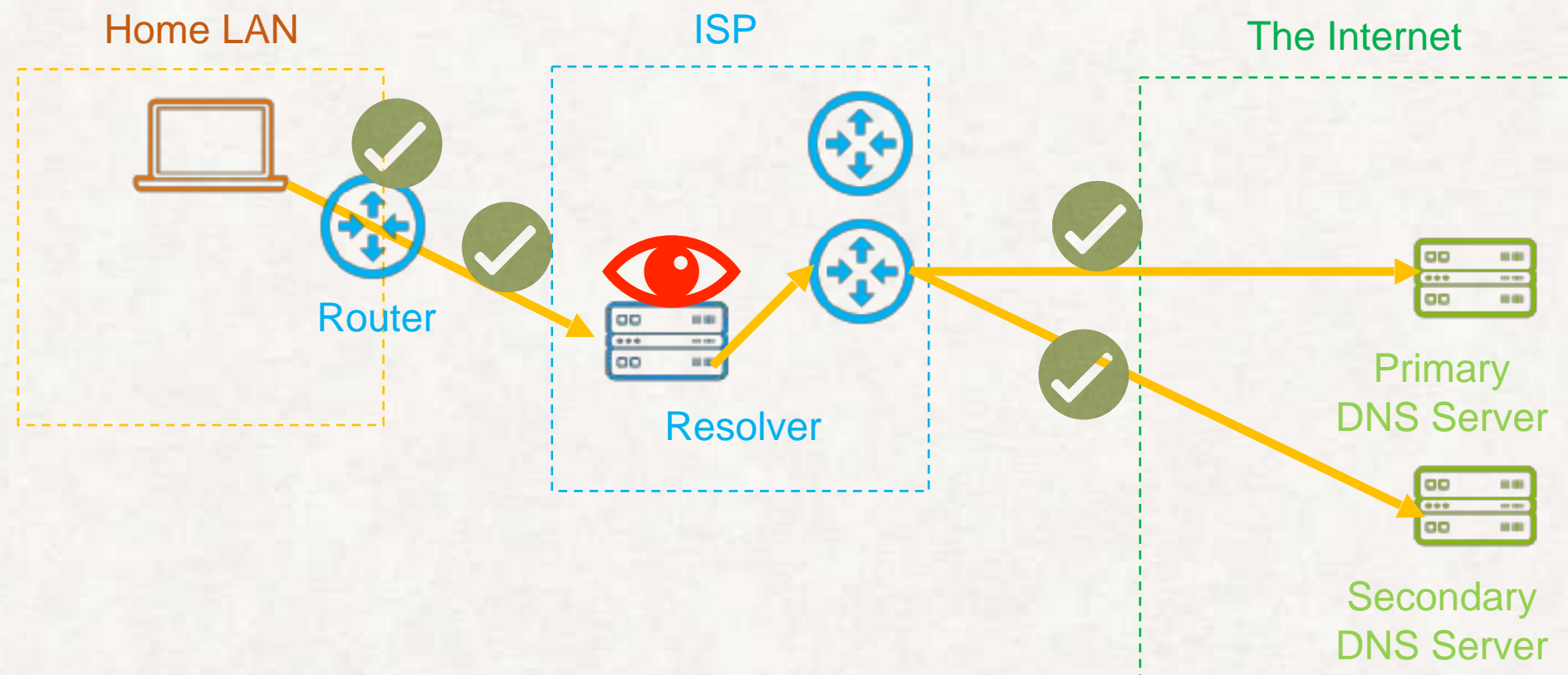
DNS-OVER-TLS / DNS-OVER-HTTPS

- Confidentiality [y7taafvuby56lkjkljkh4yvpterly]
- Integrity



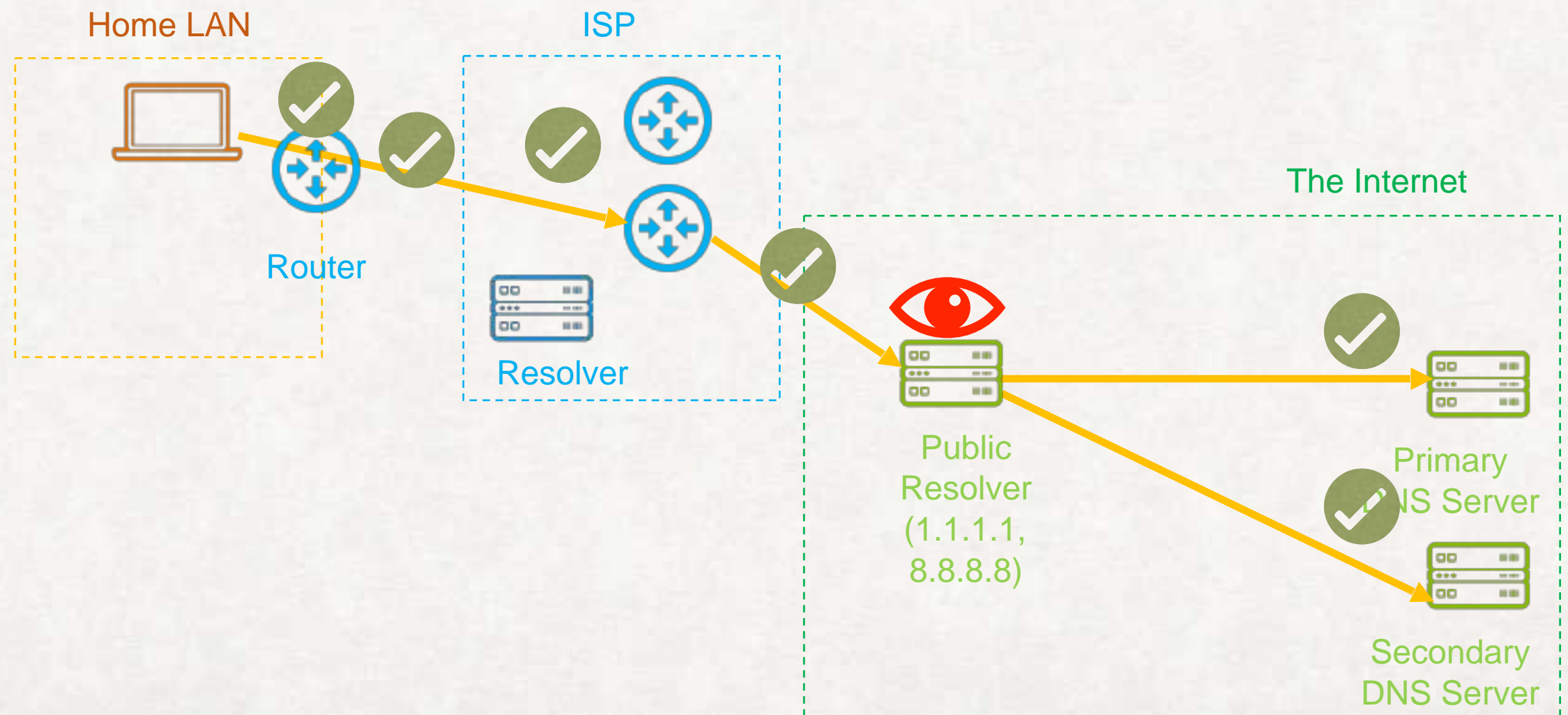
DNS-OVER-TLS / DNS-OVER-HTTPS

- Confidentiality [y7taafvuby56lkjkljkh4yvpterly]
- Integrity



DNS-OVER-TLS / DNS-OVER-HTTPS

- Confidentiality [y7taafvuby56lkjkljkh4yvpterly]
- Integrity



QUESTIONS?