

# Centralisatie van het internet: Is actie nodig?

Oscar Koeroo en Moritz Müller

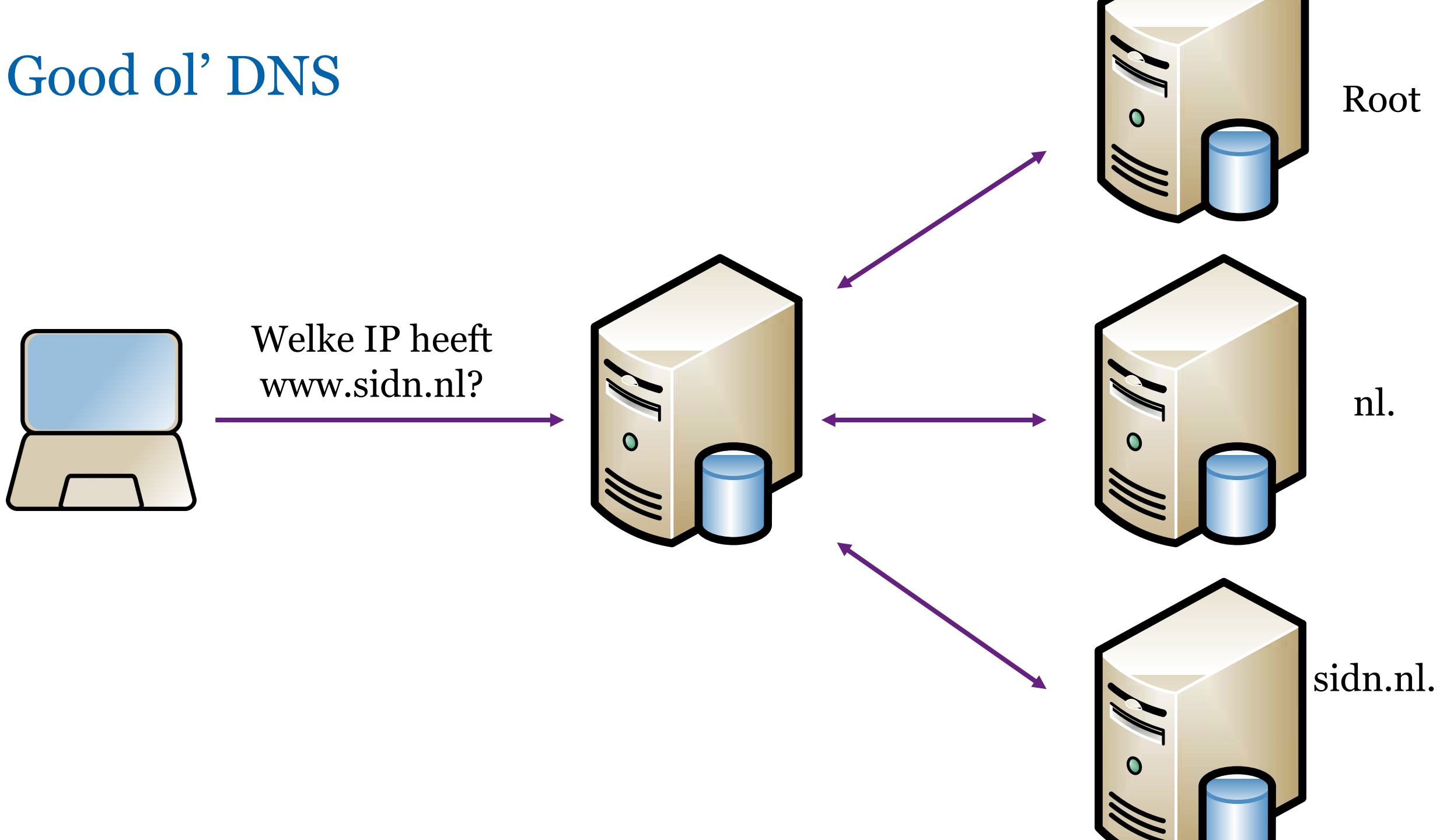
ECP congres 2019



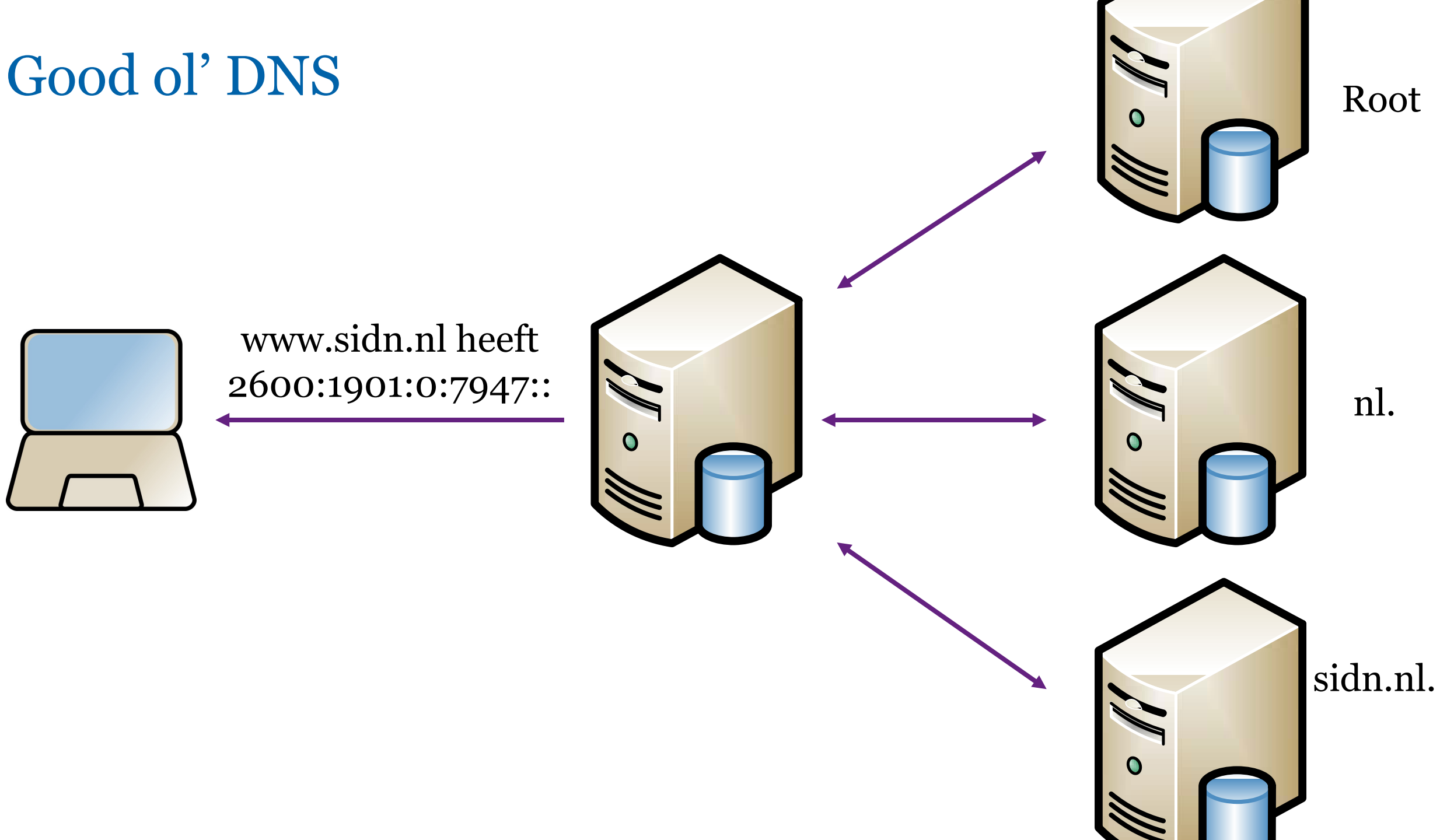
# Good ol' DNS



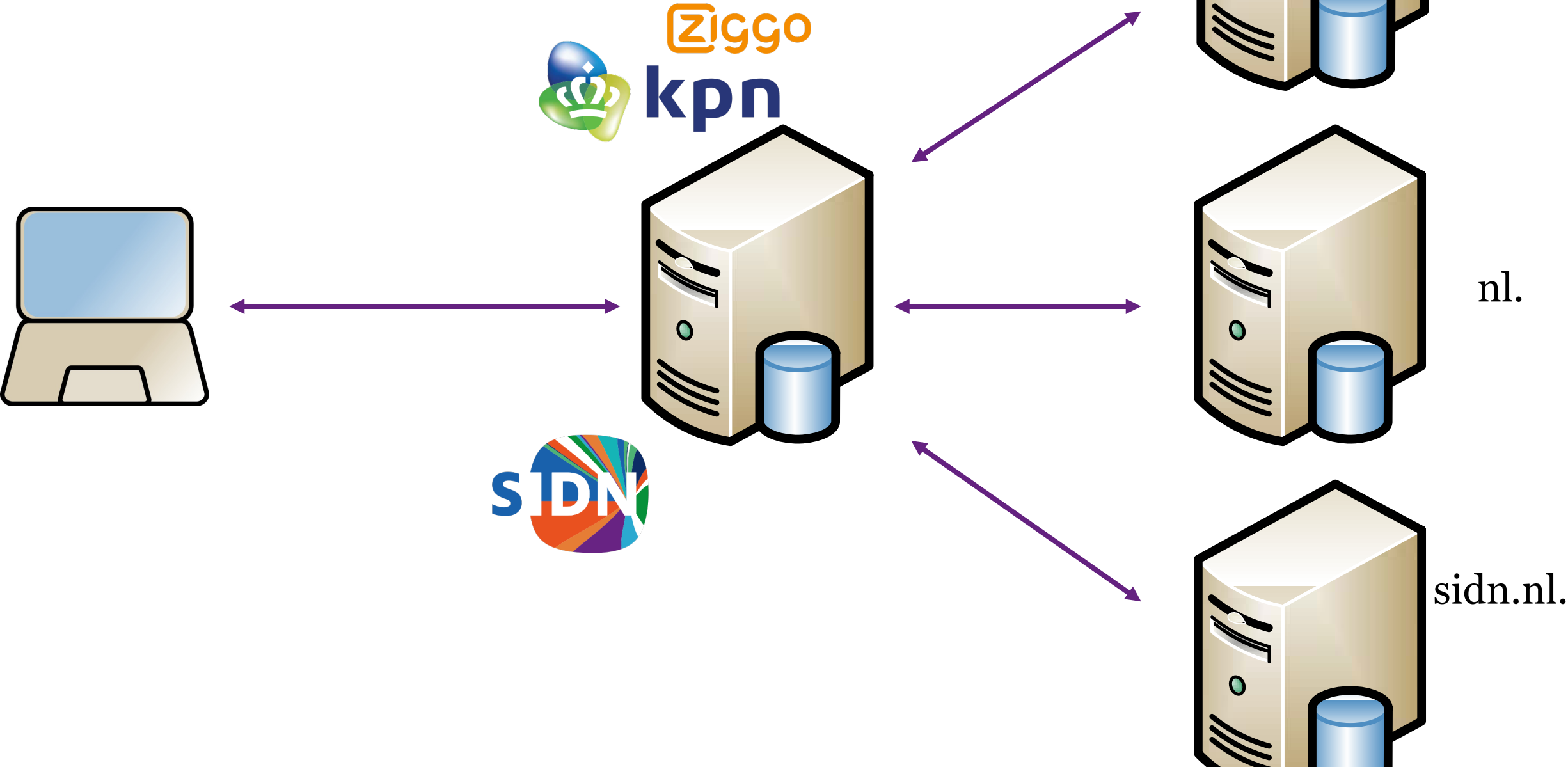
# Good ol' DNS



# Good ol' DNS



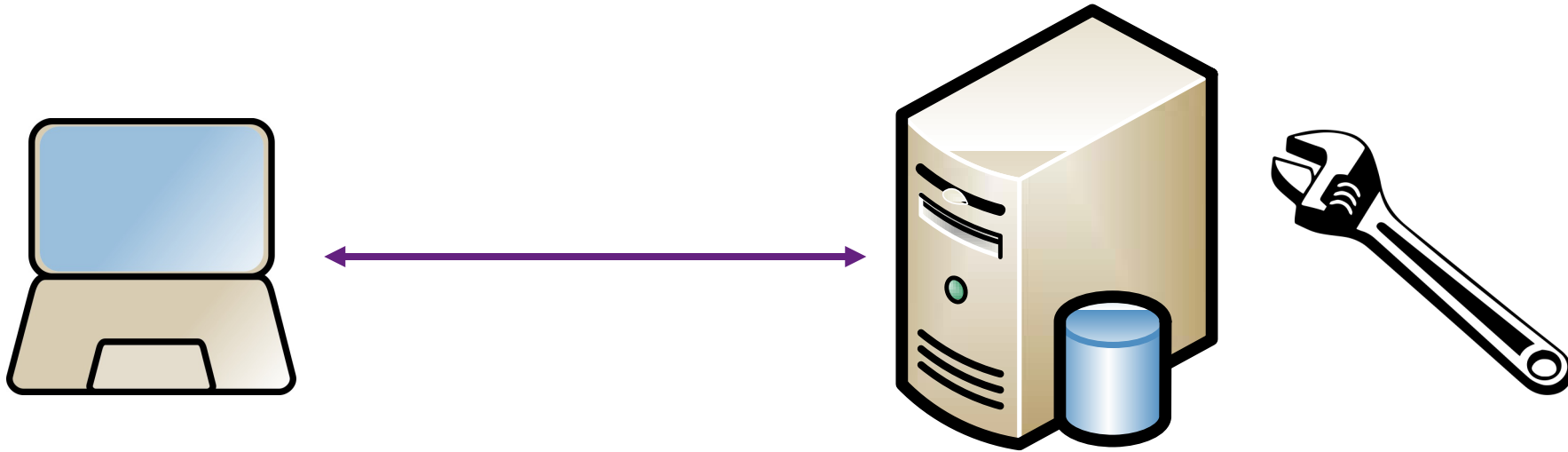
# Good ol' DNS



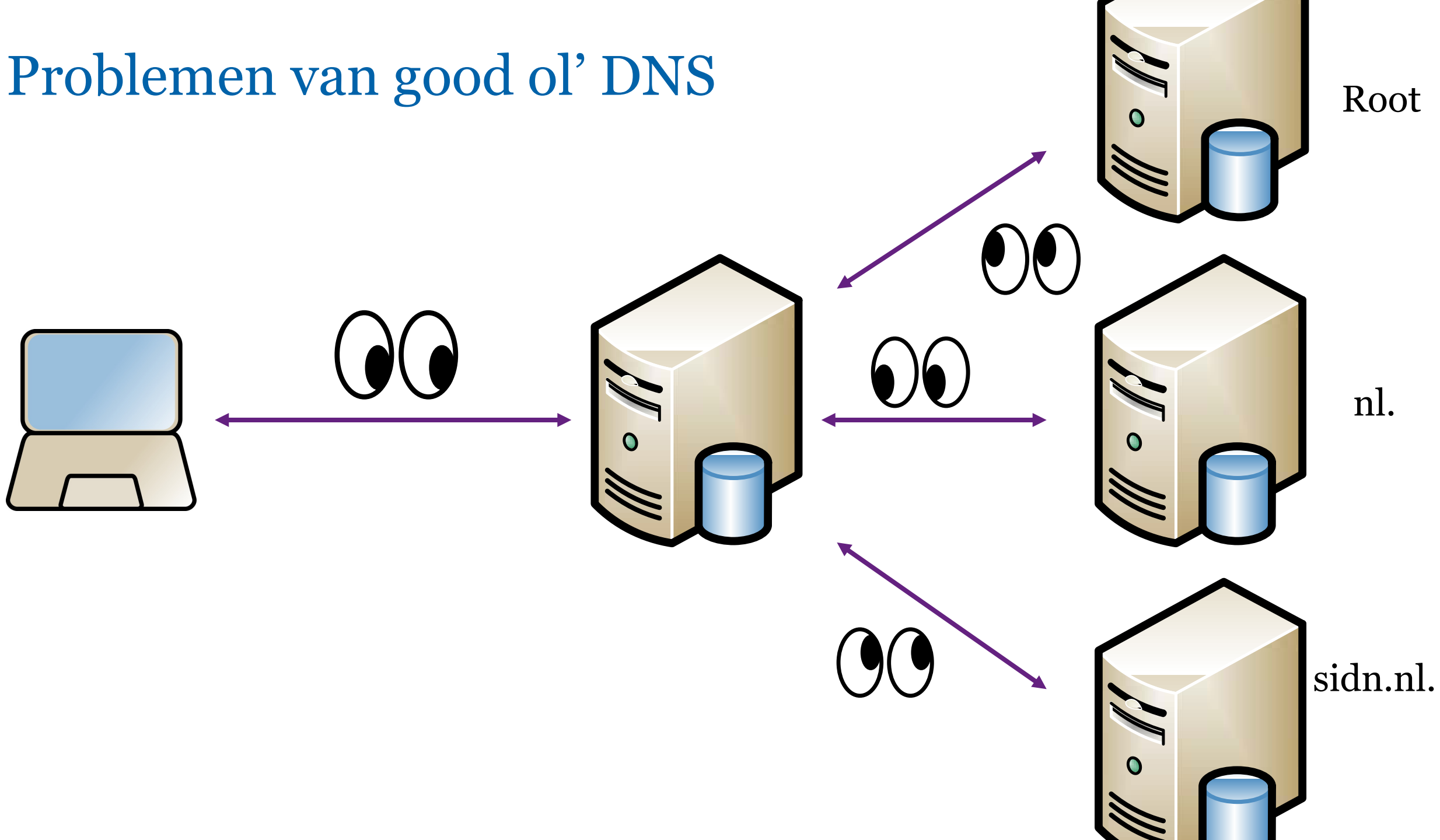
# Voordelen van good ol' DNS



# Voordelen van good ol' DNS

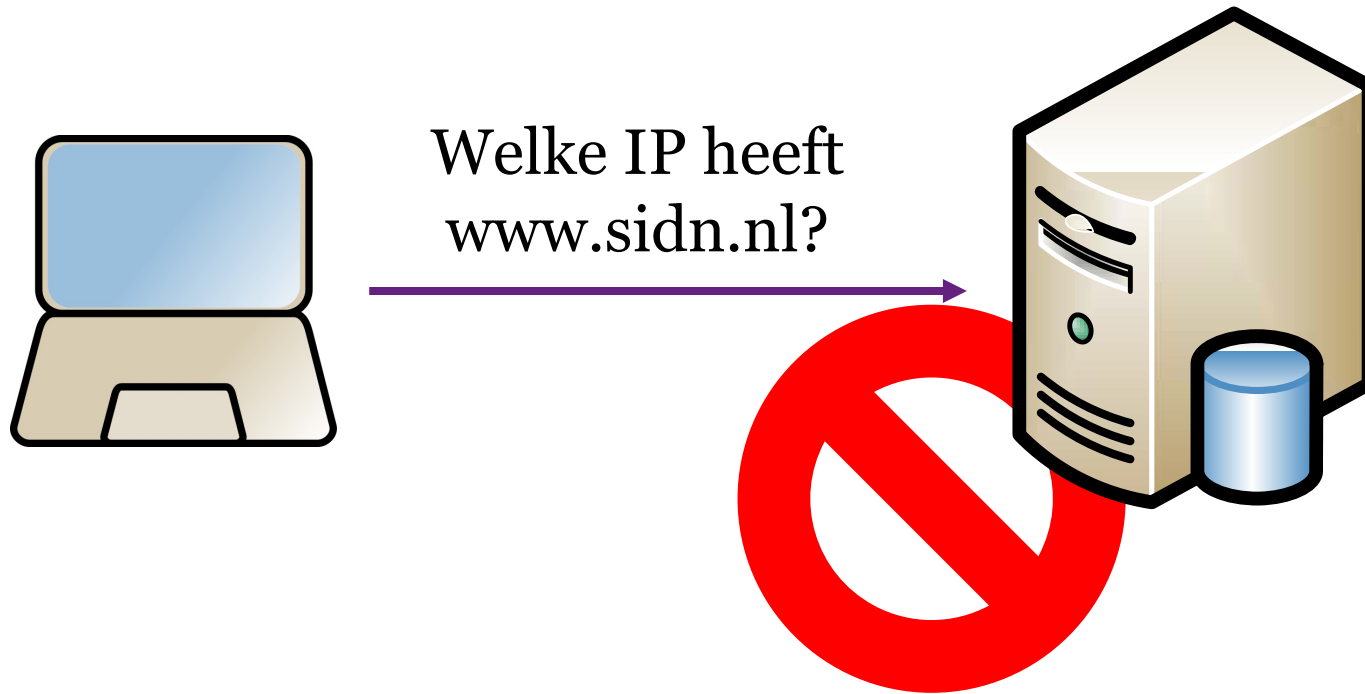


# Problemen van good ol' DNS





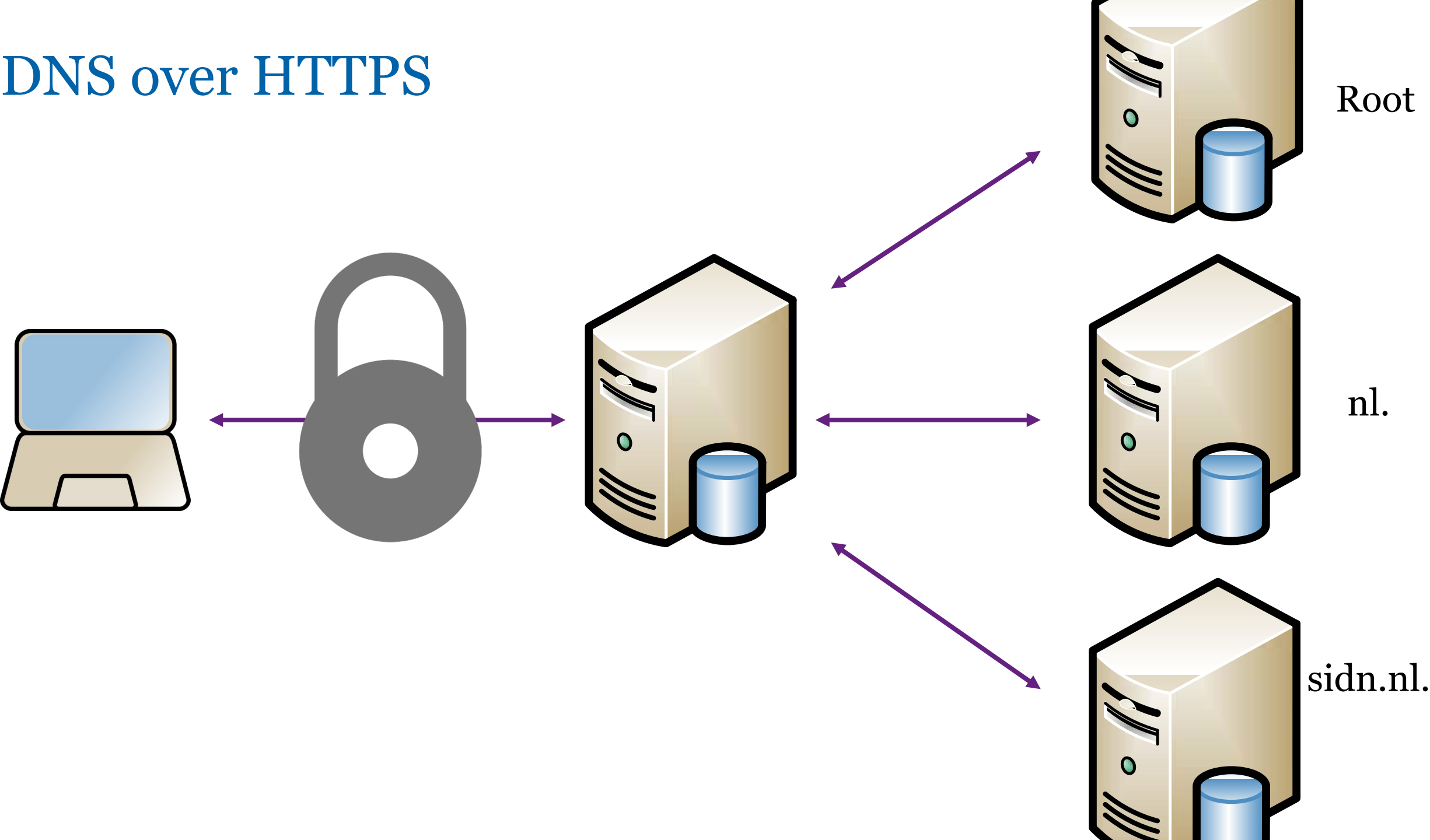
# Problemen van good ol' DNS



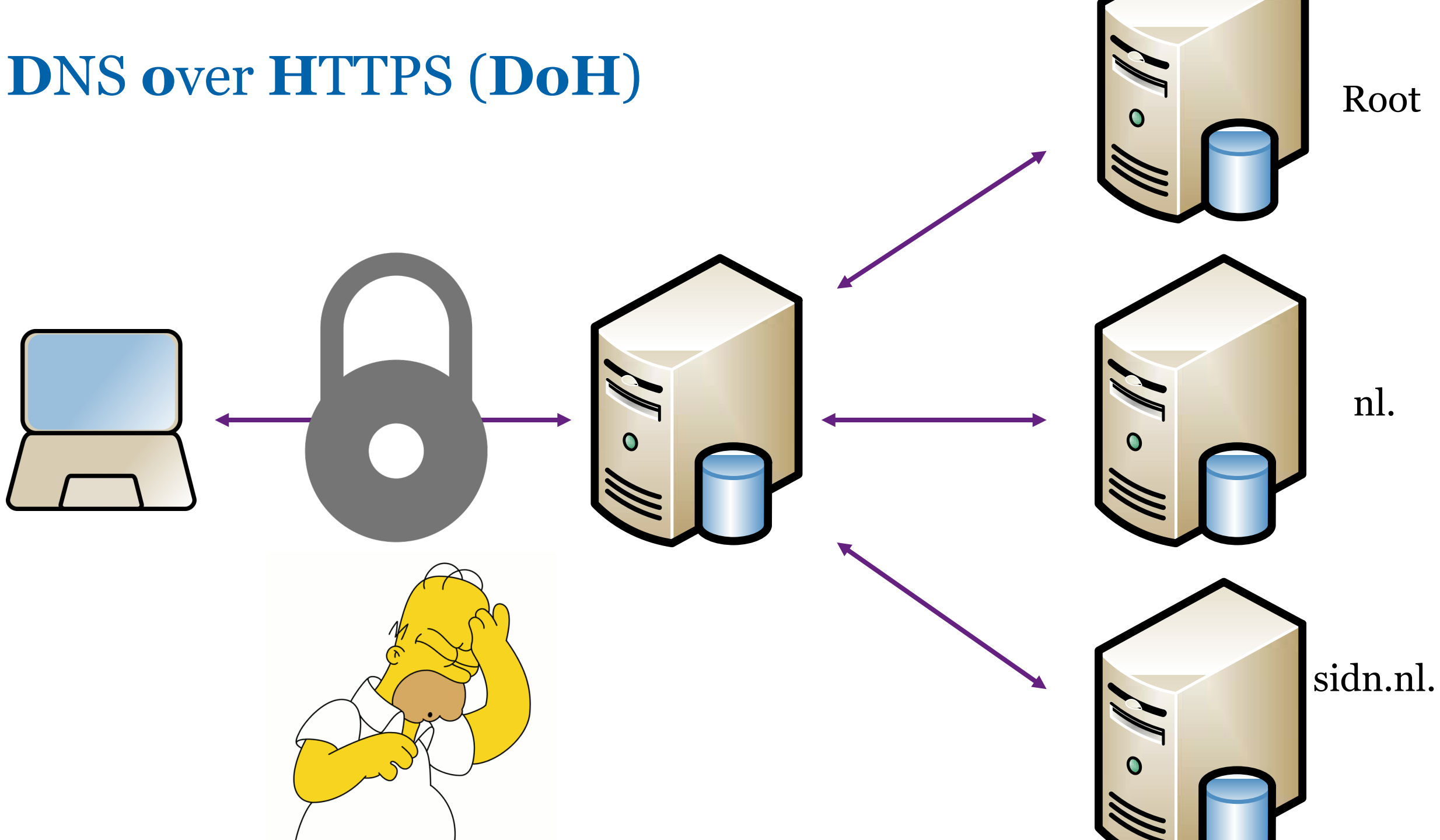
# De oplossing: Encryption



# DNS over HTTPS



# DNS over HTTPS (DoH)



# Wat is DNS over HTTPS (DoH)

- Een protocol
- Geen vervanger van DNSSEC
- Werkt via HTTPS
- Gepromoot door Mozilla - de organisatie achter de Firefox browser



# Wat is DNS over HTTPS (DoH)

- Een protocol
- Geen vervanger van DNSSEC
- Werkt via HTTPS
- Gepromoot door Mozilla - de organisatie achter de Firefox browser



## ISPA announces finalists for 2019 Internet Heroes and Villains: Trump and Mozilla lead the way as Villain nominees

Posted on 2nd July 2019

The Internet Services Providers' Association is pleased to announce the finalists for the 2019 Internet Hero and Villain.

At a time where technology and the Internet has become fully mainstream and a driver of innovation and growth, the policy challenges presented by this disruption are now some of the biggest issues facing policymakers around the world.

The Internet Hero nominations this year include those campaigning to improve trust and confidence online; mapping out the UK's evolving broadband landscape; and working on global internet governance issues. While, the Villain nominees take in the impact of new technical standards on existing online protections, the balance between freedom of expression and copyright online and the global telecoms supply chain.

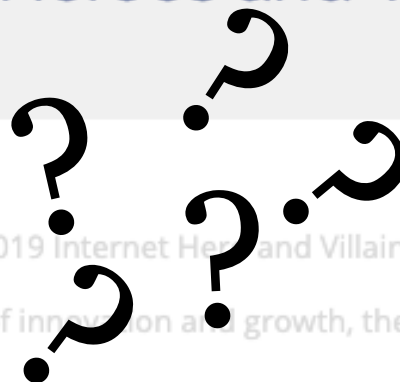
## ISPA announces finalists for 2019 Internet Heroes and Villains: Trump and Mozilla lead the way as Villain nominees

Posted on 2nd July 2019

The Internet Services Providers' Association is pleased to announce the finalists for the 2019 Internet Hero and Villain.

At a time where technology and the Internet has become fully mainstream and a driver of innovation and growth, the policy challenges presented by this disruption are now some of the biggest issues facing policymakers around the world.

The Internet Hero nominations this year include those campaigning to improve trust and confidence online; mapping out the UK's evolving broadband landscape; and working on global internet governance issues. While, the Villain nominees take in the impact of new technical standards on existing online protections, the balance between freedom of expression and copyright online and the global telecoms supply chain.



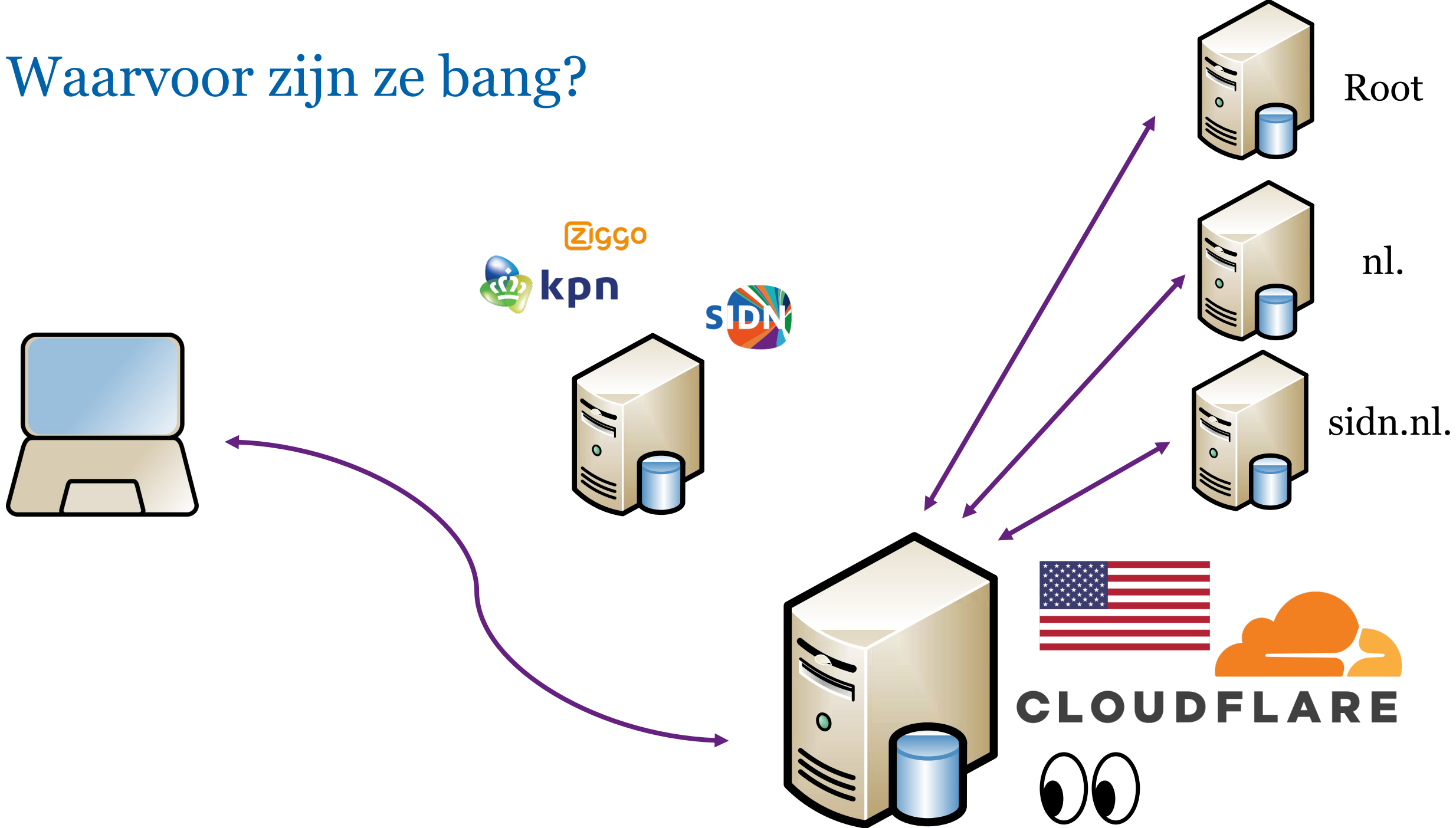


# Waarvoor waren ze bang?

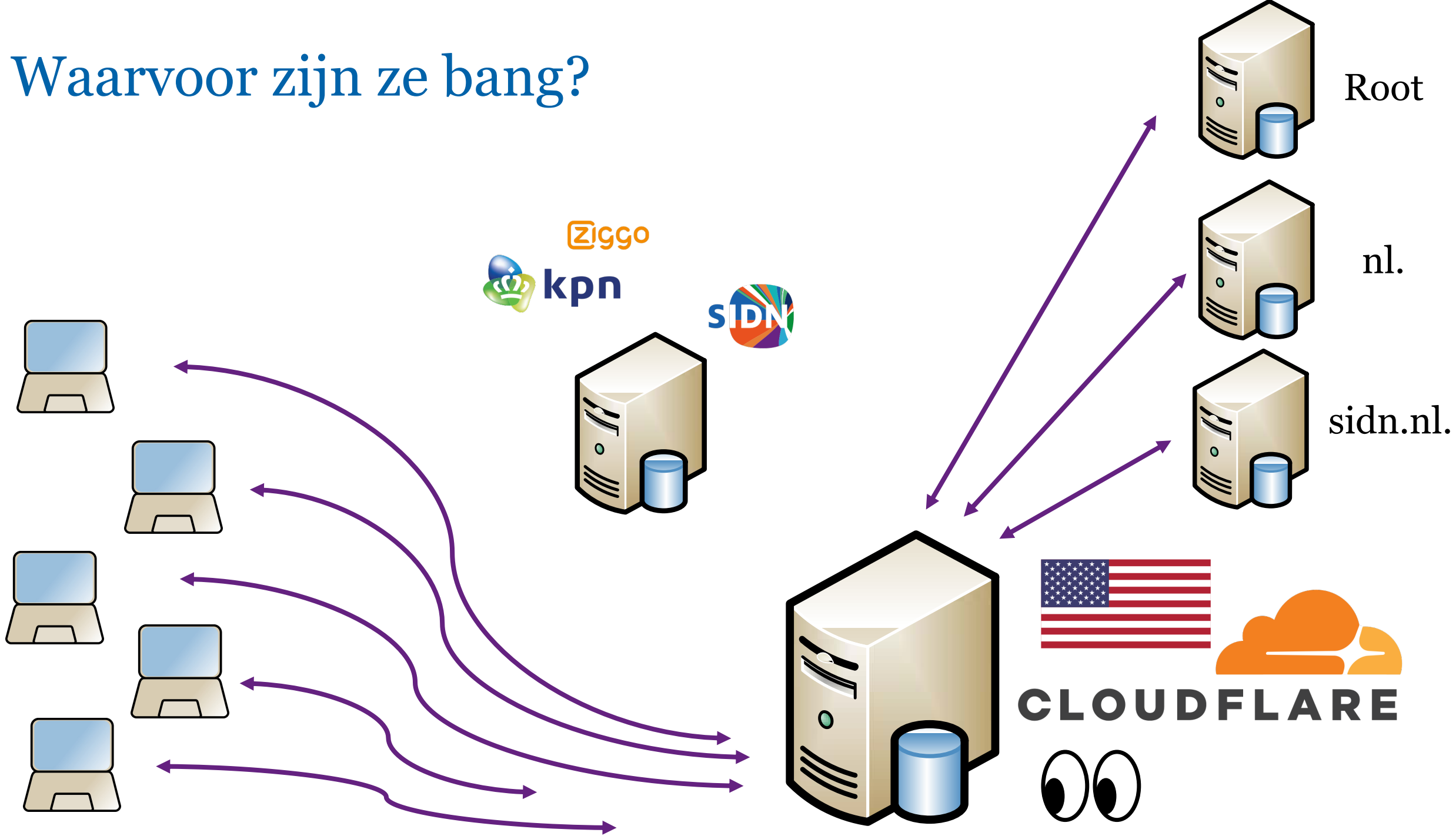
- Mozilla wil DoH standaard in hun browsers aanzetten
- En wil standaard al hun DNS verkeer naar Cloudflare sturen



# Waarvoor zijn ze bang?



# Waarvoor zijn ze bang?



# Huidige stand van DoH

- DoH is niet af!
- Firefox heeft DoH standaard aangezet in de VS
- Firefox maakt blokkeren van standaard DoH makkelijker
- Google Chrome experimenteert met DoH
- DoH onderdeel van algemene trend van een gecentraliseerd Internet

# Discussie Punten

- Hoe groot is het probleem?
- Welke acties kunnen we nemen?
- Welke lessen kunnen we leren?

