


 Habbie  
 PowerDNS

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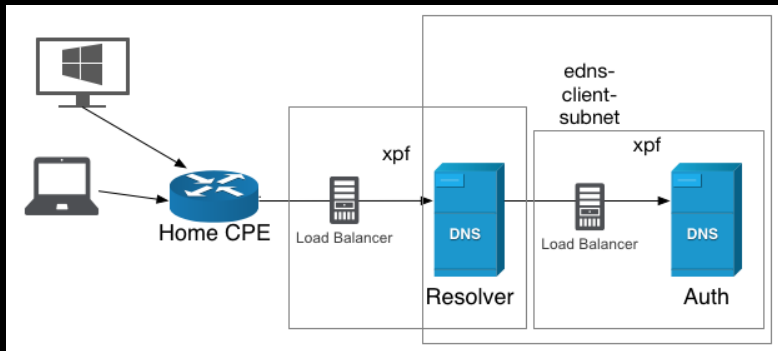
# xpf: DNS X-Proxied-For (draft-bellis-dnsop-xpf-04)

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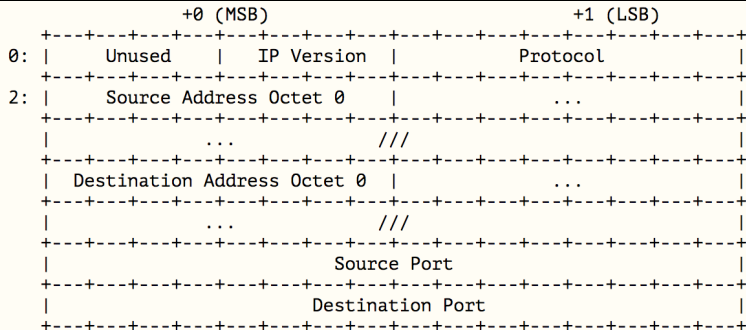
**Peter van Dijk**  
Senior PowerDNS Engineer  
with Ray Bellis and Rémi Gacogne

**POWERDNS**   
AN  COMPANY

# boundaries



# Record format



# Privacy concerns

- explicit configuration
- otherwise, REFUSED response
- so no accidental leaking

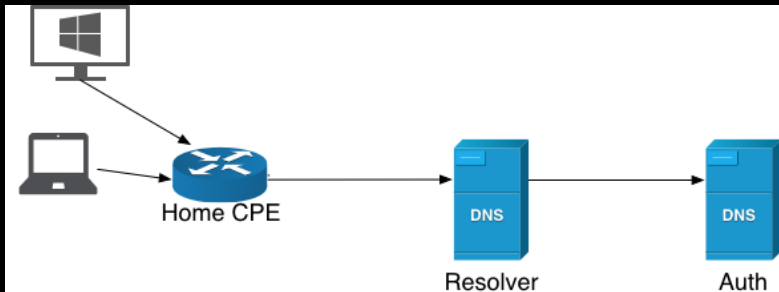
# Running code

- dnsmist
- PowerDNS Recursor
- Wireshark
- tcpdump

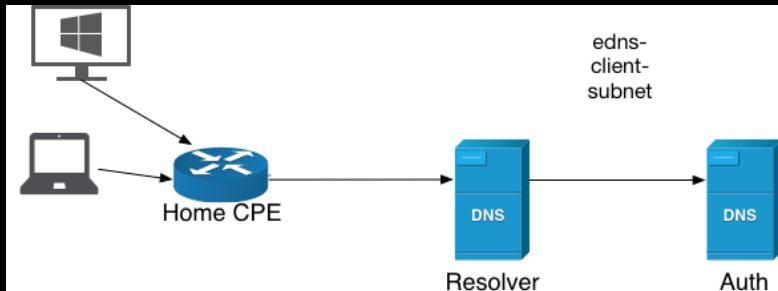
Questions?

Questions? Comments? Adoption?

# Traditional setup

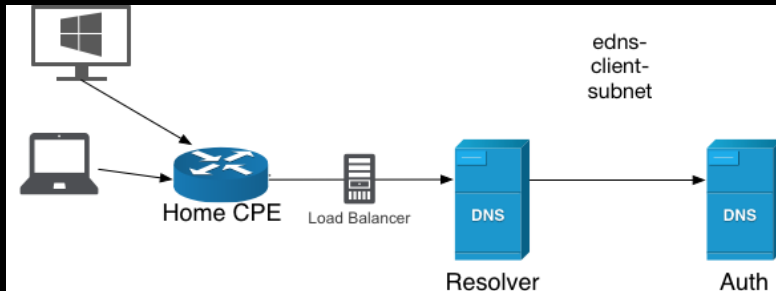


# plus ECS

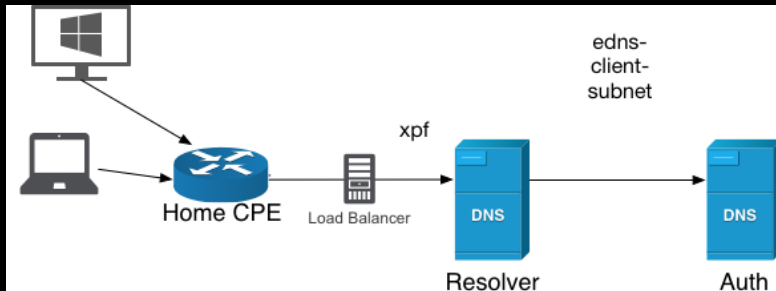




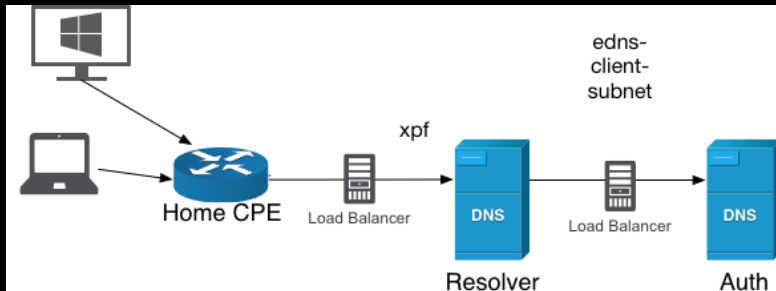
# add a firewall/balancer/TLS unwrapper



# reinstate seeing client IP



auth operator also needs a firewall/balancer



thus also needs xpf

