xpf: DNS X-Proxied-For
(draft-bellis-dnsop-xpf-02)

Peter van Dijk
Senior PowerDNS Engineer
with Ray Bellis and Rémi Gacogne
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
boundaries
for reference, clientid
Record format

+0 (MSB) — +1 (LSB)

0: | Unused | IP Version | Protocol |
+-----------------------------------------------

2: | Source Address Octet 0 | ... |
+-----------------------------------------------

| ... // |
+-----------------------------------------------

| Destination Address Octet 0 | ... |
+-----------------------------------------------

| ... // |
+-----------------------------------------------

| Source Port |
+-----------------------------------------------

| Destination Port |
+-----------------------------------------------
Next steps

- adoption?
- get some running code
- ...