

# DNS Configuration for Proxying IP in HTTP

`draft-ietf-masque-connect-ip-dns-03`

David Schinazi

Yaroslav Rosomakho\*

MASQUE  
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# Quick recap...

- This is NOT a new way to transport DNS
- This is about signaling DNS resolver configuration over capsules to get on par with traditional VPNs

# Changes from -02

- Removed DNS\_REQUEST capsule
  - And Request ID from DNS configuration
- DNS\_ASSIGN capsule now carries a list of DNS Configurations
- New DNS\_ASSIGN capsule supersedes previous ones in given direction (similar behavior to most CONNECT-IP capsules)

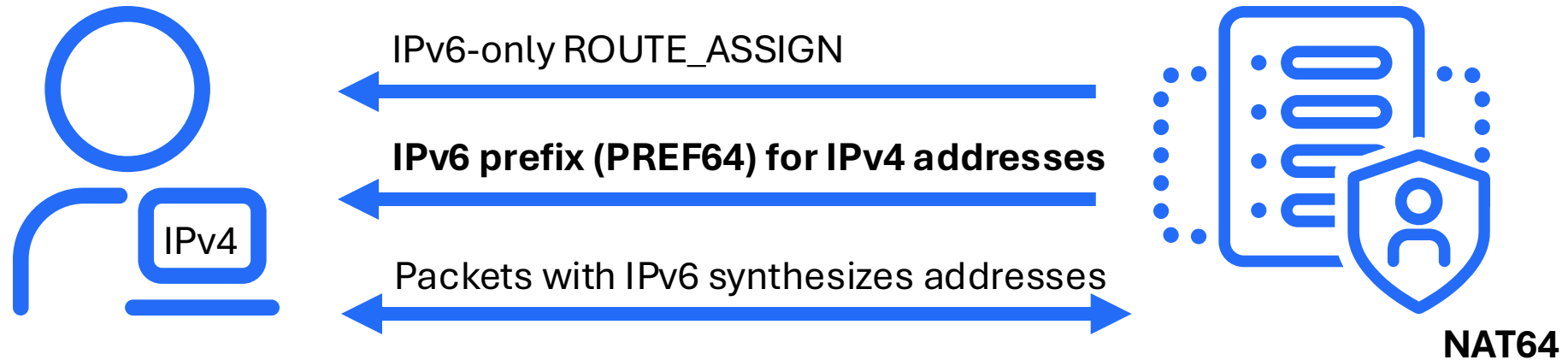
# Capsules

```
DNS_ASSIGN Capsule {
  Type (i) = DNS_ASSIGN,
  Length (i),
  DNS Configuration (..) ...,
}
```

```
DNS Configuration {
  Nameserver Count (i),
  Nameserver (..) ...,
  Internal Domain Count (i),
  Internal Domain (..) ...,
  Search Domain Count (i),
  Search Domain (..) ...,
}
```

```
Nameserver {
  Service Priority (16),
  IPv4 Address Count (i),
  IPv4 Address (32) ...,
  IPv6 Address Count (i),
  IPv6 Address (128) ...,
  Authentication Domain Name (..),
  Service Parameters Length (i),
  Service Parameters (..),
}
```

# What do we do with PREF64 (RFC8781)?



- Slightly expand scope of this draft?
- Start a new micro-draft to define one Capsule?

# Next steps

- Add Pref64?
- Do not add Pref64 and WGLC now?