HURRICANE ELECTRIC
INTERNET SERVICES

IPv6 PTR and Lookup Usage

Understanding IPv6 Reverse DNS Basics

The PTR Record

- Reverse DNS entry for an IPv6 address is entered using PTR
- Not case sensitive
- BIND9 example with a /64

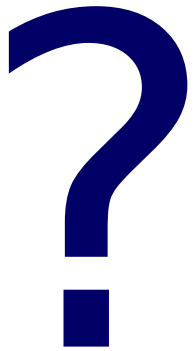
```
$ORIGIN 4.6.0.0.0.0.0.0.0.0.7.4.0.1.0.0.2.ip6.arpa.

2.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0   IN     PTR    ipv6.he.net
```

Looking up the PTR Record

- dig AAAA ipv6.he.net (gets you the address)
- dig -x 2001:470:0:64::2
- host -t PTR 2001:470:0:64::2
- nslookup -type=PTR 2001:470:0:64::2

Q&A



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