

# DNS Measurements using RIPE Atlas

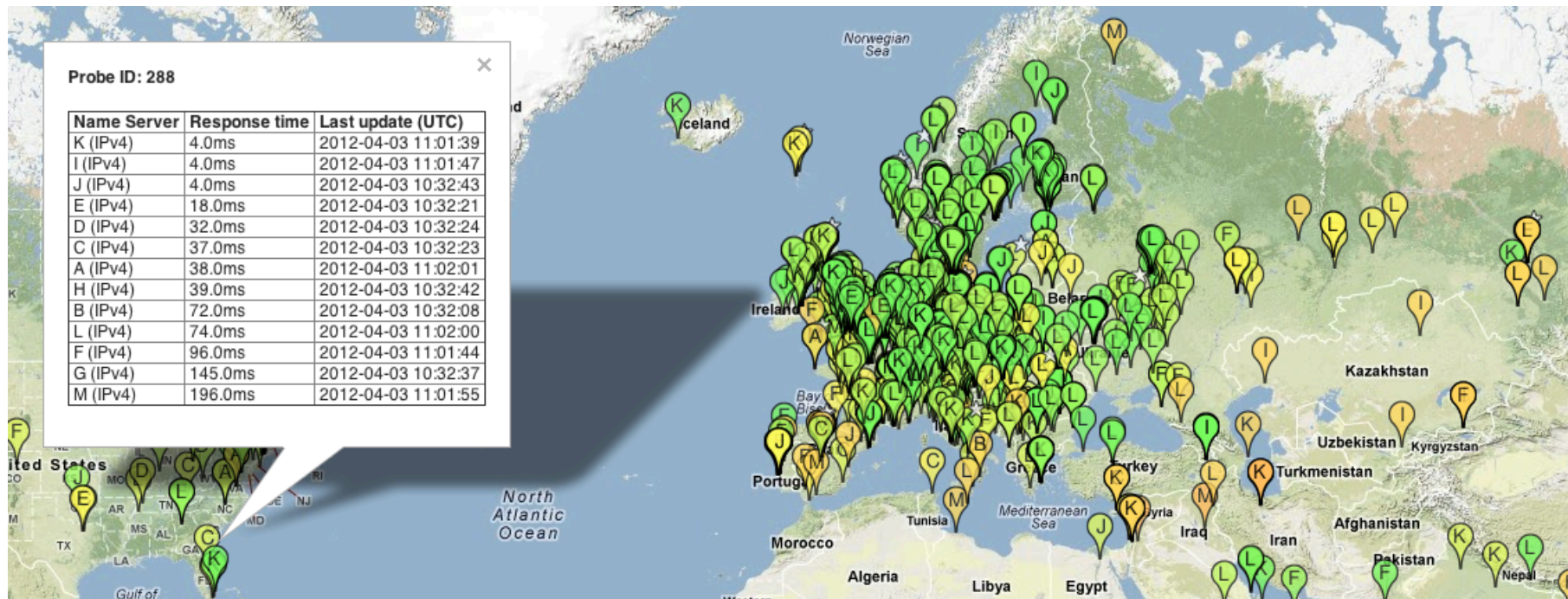
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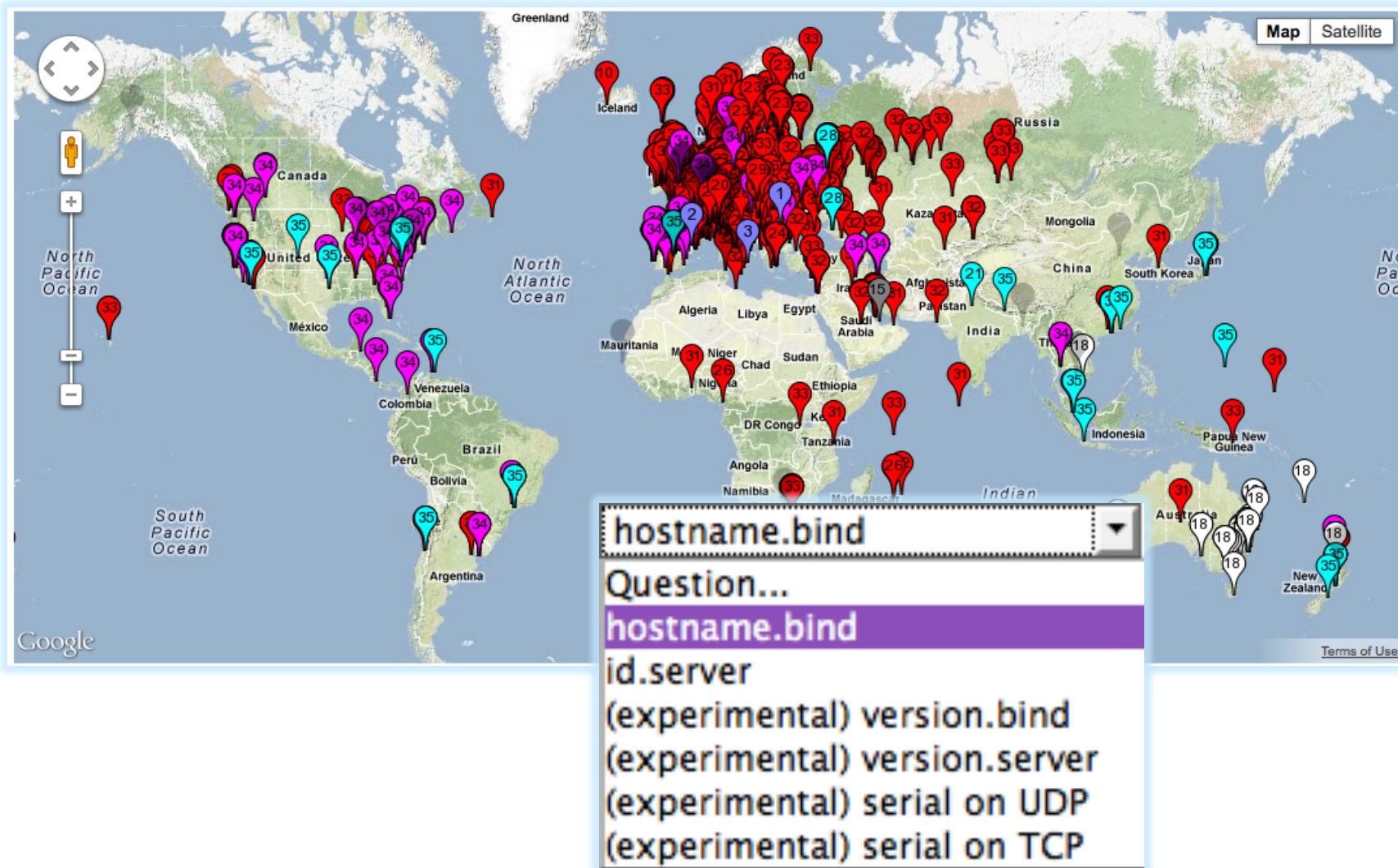


# Root DNS maps

- Comparative root DNS server map



# Root DNS maps - enhanced



# Usefulness to root DNS operators

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- It's possible to check various parameters from all our probes
  - Compare root DNS response times
  - Visible “server versions”
  - Serials
  - UDP/TCP connectivity over IPv4/IPv6
  - Coming up: compare TCP and UDP connectivity
  - May be interesting: checking EDNS0 support?

# Usefulness to other DNS operators

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- We've released UDM (User Defined Measurements) to all Atlas users
- We'll add DNS measurement types to UDM soon
- Once that's done, you can get essentially the same data about your own DNS servers as you already see for root DNS servers!



# Usefulness to ISPs

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- Goal: provide ISPs with a tool that gives an overview of how their users reach DNS servers
  - Potentially compare it to other ISPs to discover oddities
- We plan to add filters to these maps:
  - Filter to probes in my AS
  - ... or my AS and neighbouring ASes
  - ... or my country

Questions?

