DNS NOTIFY, LOC, SRV

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NOTIFY I-D Status

- I-D has been updated per San Jose comments
- BIND 4.9.3 won't conform
- Need to discuss server types
- Otherwise, ready for RFC?

LOC RR I-D

- Encodes geographic location in DNS
- Uses WGS84 reference spheroid (same as GPS)
- BIND 4.9.3 conforms to I-D
- Should be noncontroversial

SRV RR I-D

- **ftp.yoyodyne.com** problem
- Indirection through DNS without asymmetric A/PTR
- Primative load balancing (weighting), fallback (like MX)
- Controversial: requiring new protocols to mandate SRV RR use

Old Nameserver Definitions (grist for NOTIFY)

- Primary Master: has *the* external data source
- Slave: uses AXFR/IXFR to fetch zone data
- Slave-Master (ick): as Slave, but is also an AXFR/IXFR server to other Slaves (deep tree)
- Unregistered: uses AXFR/IXFR but is not in NS RR
- Caching, Forwarding, Recursive: as before
- Server: receives and sends data on DNS (UDP/TCP) port

New Nameserver Definitions (proposed)

- Primary Master: has *the* external data source, *is* shown in SOA MNAME and *maybe* as an NS RR
- Master: AXFR/IXFR server to other Slaves
- Slave: uses AXFR/IXFR to fetch zone data, *is* listed in NS RR
- Stealth: same as Slave, but *is not* listed in NS RR; unless explicitly configured otherwise, answers authoritatively and can Master
- *Note: Slave/Stealth can also be Master! (deep tree)*
- Caching, Forwarding, Recursive: as before
- Server: receives and sends data on DNS port (UDP 53) unless it does not wish to be a notified Stealth server