DHCP 4.1.0: general

- Failover
  - Documented in i-d, not standard
  - Improves resilience
  - Has been hard to get right
    - Incomplete specification
    - Complex failure modes

- Delayed ack
  - Multiple updates on one fsync()

- chroot/setuid (can run in jail)
DHCP 4.1.0: IPv6 support

- dhcrelay
- DHCPv6 leasequery support
- Basic prefix delegation
- Initial port of MacOS client
- Multiple daemons (multiple interfaces)
DHCP 4.2.0 and Beyond

- DHCID RR (already in BIND) to replace update of TXT record
- Port to Linksys Linux-based router
  - Smaller footprint
  - Lower maintenance effort
- Integrated v4/v6 client
- NTP and timezone options
- “Always Unicast”
  - for improved Windows performance
DHCP Future Development

• Getting to the end of initial DHCPv6 development
• Tighter integration with BIND
  ▪ Common database structure
  ▪ Dynamic update improvements
• Asynchronous update
• Closer community relationships
• $Your_Idea_Here
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