

# Catalog Zones

draft-muks-dnsop-catalog-zones-04

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# Changes in -04

- Substantial re-structuring of the draft
- No longer requires use of crypto-hashing to generate unique prefixes
- Cleaner separation of single-valued properties vs multi-valued properties
- Bumped protocol version to "2"

# Multi-valued Properties

- All multi-valued properties require a list of RRs with a unique prefix label per-entry
  - even if the list only has a single value
  - one RR per entry, no RRsets
  - ordered lists supported by lexical ordering of those labels
- APL record still used for IP prefixes, but **MUST NOT** contain more than one prefix per RR.

# MVP Example

```
$ORIGIN <m-unique>.zones.$CATZ  
<unique-id-1>.example-prop 0 IN TXT "Value 1"  
<unique-id-2>.example-prop 0 IN TXT "Value 2"
```

# Implementation Status

- BIND9
  - With these updates this draft no longer reflects the current BIND9 implementation
  - BIND 9.11 and 9.12 implement version 1
  - A future release (TBD) will implement this version 2
- PowerDNS
  - plugin supporting version 1

# TODO List

- Define smallest possible subset of protocol-intrinsic configuration properties
- Define mechanism for vendor-specific configuration properties
  - previous attempts to define a common dictionary for name server configuration (e.g. NSCP) have failed
  - planned direction: use 'vnd-XXX' labels
- Zone Templates, to allow multiple member zones to share the same configuration
  - See DNAME proposal on DNSOP list on 03/03/18

**Questions?**

**Next Steps?**