

draft-perreault-dnsop-stats-mib-01

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Our Problem

- TLD operator
- Use third-party anycast DNS services
- No visibility on per-node stats
- Multiple providers ==> need for a standard

Proposed Solution

- SNMP MIB
- Simple read-only counters
- Bind 9 stats
- (Aside: ISC developers are working on a MIB for Bind 10)

Re: RFC 3197

- A single goal: expose usage statistics over SNMP
- Constituency: some TLD operators have the same problem
- The proposed MIB is short (subjectively)
- The stats exposed by the MIB are those already available in a popular DNS server used by many TLDs.
- Writing this MIB was easy and straightforward.
- From a technical point of view, this could be wrapped up quickly.

Re: SNMP access to nodes

- Anycast service providers do not want to allow direct SNMP access to individual nodes
 - We understand that.
- Per-node stats could be aggregated by the provider and transferred to the customer.
- CIRA also operates its own nodes, on which it could like to also use standard SNMP.
- Integration would be much simpler with a standard data model.

Next Steps

- Comments?
 - Is this a problem other people have?
 - Is this the right solution?
- Is there interest from other people in working on this?