OARC Software Survey

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Only about Software Survey

Full Software Report, written Survey Report, Info Sheet and more, on Indico:

https://indico.dns-oarc.net/event/31/contributions/697/
Survey Responses

- 46 responses
- 33 members (34%)
- 100% completion
- Avg time: 2m 15s
Q1 Which platform(s) do you run DNS software on?

Answered: 46  Skipped: 0

- Ubuntu/Debian: 50% (Green)
- Fedora/CentOS/RedHat: 40% (Blue)
- macOS: 20% (Yellow)
- FreeBSD: 30% (Teal)
- OpenBSD: 5% (Orange)
- Windows: 10% (Purple)
- Other: 0% (Pink)

Diagram shows the percentage of responses for each platform.
Q1 Which platform(s) do you run DNS software on?

![Bar chart showing platform usage]

- Ubuntu/Debian
- Fedora/CentOS/RedHat
- macOS
- FreeBSD
- OpenBSD
- Windows
- Other (please specify)
Q1 Which platform(s) do you run DNS software on?

- Linux >65%
- FreeBSD ~15%
- macOS ~12%
- OpenBSD + Windows = ~2%

Other (please specify)
Q1 Conclusions

- Linux is the majority platform for our members
- Sorry, going to drop OpenBSD
- A few are using Arch Linux (majority of Other)
Q2 How do you install software on these platform(s)?

- **Packages**: 80%
- **Own packaging**: 20%
- **From source**: 10%
- **Other**: 0%

Answered: 45  Skipped: 1
Q2 How do you install software on these platform(s)?

![Bar chart showing the methods of software installation: Packages, Own packaging, From source, Other (please specify).]
Q2 How do you install software on these platform(s)?

![Bar chart showing the distribution of software installation methods.]

- Packages
- Own packaging
- From source
- Other (please specify)

Vendor(?) / Docker / Puppet
Q2 Conclusions

- Packages WINS!
- Need to automate package building
Q3 Do you use?

Answered: 40  Skipped: 6

- dsc
- dnscap
- drool
- dnsperf
- packetq
- dnsjit
- none

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
Q3 Conclusions

• No surprise really
• dsc, dnscap and dnsperf are main tools
• dnsjit and drool are still in development (alpha)
Q4 Would dnstap support in any/all software be useful for you?

Answered: 40  Skipped: 6

Yes

No
Q4 Would dnstap support in any/all software be useful for you?
Q4 Conclusions

- **libdnstap * NEW ***
  - Will create a library for DNSTAP
  - Uses libfstrm and protobuf-c
  - Interface for threaded and non-threaded apps
  - Interface for hooking into event engines
Q5 Do you visualize DSC data using?

Answered: 44 Skipped: 2

- No, I don't
- No, but would like to
- Presenter
- Grafana
Q5 Conclusions

• Happily surprised at how many use Grafana!
  – Feedback please :)

• We have guides for all-in-one, multi-node and Grafana (links in last slide)

• Please contact me if you need any help
  – There is possibility for on-site support
Q6 Would search and analytics engine for DSC be useful for you?

Answered: 42  Skipped: 4

Yes  No
Q6 Conclusions

- Next “hot new” major feature?
- Need to think, plan, design
Q7 Would message queue support for DSC be useful for you?

Answered: 39  Skipped: 7

Yes

No
Q7 Conclusions

• Some feedback on unclear use-case
  – Think different way to move around XML files
  – Collectors/bridges could be created to support old processing

• Put on hold for now...
Q8 Would any of these features make you start using…?
Q8 Conclusions

AWESOME!

I’ll get working on it ASAP

Cheers!
Guides