

# 2022 Q3

Important updates for ISC's BIND 9, ISC DHCP, and Kea DHCP support subscribers.

## ISC DHCP Server Announcement

ISC plans to announce end-of-life for ISC DHCP with the release of versions 4.4.4 and 4.1-ESV-R16 in October.

- We want to assure our valued Professional Software Support customers that:
- ISC will continue to support you: there is no change to our service terms or service delivery.
  - ISC will continue to provide you with patches or private releases for critical bugs or security issues.

### Current ISC DHCP Professional Software Support customers may continue to use ISC DHCP.

We are well aware that changing your DHCP infrastructure is a major task, and may not be a business priority for you at this time. There is no reason you cannot continue using ISC DHCP and we will continue to support you in doing that.

BIND

DNS News

The current BIND versions (as of September 2022) are 9.16.33 (ESV), and 9.18.7 (stable). There are six security fixes in the September releases. Per our existing security policy, we do not plan to issue another release with CVEs in it until after the holiday quiet period to give you all a break! We may of course, make an exception if there is an exceptional situation.

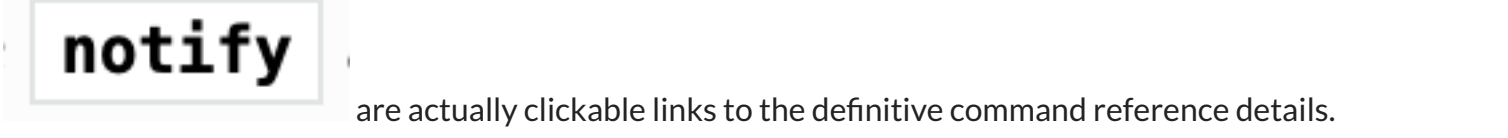
We have made a minor change in our [CVSS Scoring Guidelines](#): after using them for about a year, we have found that the additional 'temporal' metrics were unhelpful, and we have gone back to using the CVSS base score by itself. The Temporal metrics included exploit code maturity, remediation level and report confidence. We almost never know of an exploit, we nearly always provide an official fix and we virtually always confirm the vulnerability before announcing it, so these metrics were just not helpful in differentiating between vulnerabilities.

### Software Bill of Materials (SBOMs)

Are you creating [Software BOMs](#), as recommended by [NTIA](#) and [CISA](#), for images used within your enterprise? Software BOMs are used by various tools for scanning your systems for software versions with known vulnerabilities. Since we have implemented the SPDX tags in BIND, creating an SBOM for BIND images should be easier now. We did an experiment and built an SBOM for one of our RPM packages on Cloudsmith using the [mksbom.pl](#) script. Some 'checking' is required to ensure the SBOM includes the libuv library, but it seems straightforward. Please let us know if you need ISC to provide SBOMs for our binary packages: we haven't yet heard that there is a need for this.

### BIND ARM Updates

If you are using the latest version of the [BIND ARM](#) you may notice some changes: we have added more basic DNS background and some diagrams to the Introduction and Configurations chapters. The bulk of the ARM is in the Command Reference, where we have now organized the commands into Blocks, Statements and Comments. We have added Tags, which we use to create [tables of related Statements](#). Perhaps the most useful, albeit nearly invisible improvement are the dynamic links: statements styled like this one,



Kea/DHCP News

### Kea 2.2.0 included three new hooks.

- A new [DDNS-Tuning premium hook](#), allows the administrator to customize the DDNS behavior on a per-client basis, including calculating the domain name to use with an expression.
- A new ["Limits" subscriber hook](#), provides rate-limiting based on client class, and lease limits. We are working now on creating templates for 'spawning classes' to facilitate provisioning these limits at scale.
- [Role-based access control \(RBAC\)](#) permits limiting access to some API commands based on administrative privileges. This hook is available to Silver and above subscribers.

With Kea 2.2.0 we also changed the [license terms](#) for the commercially-licensed hooks (this includes Premium, Subscriber and Enterprise).

### Stork now supports Kea configuration!

Stork 1.6.0, released in September, now does much more than monitoring your Kea servers. Stork 1.6 supports [CRUD operations on existing host reservations](#) in Kea, and displays reserved DHCP options when viewing an existing reservation. The configuration feature requires the Host\_Cmds hook to be installed on the target Kea server.

### Meet Tony Finch, ISC Engineer!



We are delighted to present [Tony Finch](#), the newest member of the BIND Development team.

We are traveling again - maybe we will see you on the road? Jeff Osborn and Rob Carolina are at the [ICANN 75](#) meeting in Kuala Lumpur. ISC will be at [NANOG 86](#) in Hollywood, California, October 17 - 19th and [ARIN 50](#) on the 20th and 21st. We'll also be at the [DNS-OARC workshop and CENTR tech meeting](#) in Belgrade, Serbia on October 22nd and 23rd and [IETF 115](#) in London, November 5 - 11th.

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