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## Open Source For an Open Internet

ISC Subscriber News

# 2023 Q1

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

In January, the European Commission finalized the **EU Cyber Resilience Act (CRA)**, calling for regulations in EU member countries.

The CRA will require a CE mark for software distributed in Europe, effectively imposing new regulations with associated compliance costs on open source software. While ISC is already following industry best practices with regard to software security and vulnerability management, we feel that the proposed CRA and the related 2022 EU Product Liability Directive may have a chilling impact on open source availability and activity in the EU in general. Read our comments here: [ISC and the EU Cyber Resilience Act](#).



## DNS News

- [BIND 9.18 is now an Extended Support Version](#). We encourage all users to upgrade to this version, which is not only stable but also better-performing than BIND 9.16. For more information on the performance improvements in 9.18, see this blog on [BIND 9 Memory Management](#). Before migrating, we recommend reviewing the KB article on [Changes to be aware of when moving from BIND 9.16 to BIND 9.18](#).
- We have a new KB article on [Disabling IPv6 queries on a resolver](#).
- The [DNSSEC Key and Signing Policy](#), and [BIND 9 Supported Platforms](#) KB articles have been updated recently.
- Petr Špaček gave a talk at the spring DNS-OARC meeting on [Detecting Latency Spikes](#), based on some in-depth investigations he has been doing of BIND 9.
- Read about the [BIND team's accomplishments in 2022](#).

### Packaging

We have been asked by a support customer to consider building and maintaining a BIND container in the [IronBank](#) repository. This is a publicly accessible repository, managed by the US Department of Defense, of containers that have passed stringent security checks. This would require a significant ongoing commitment from ISC, so we are interested in hearing from any other support customers who would be interested in using such a container. Please contact Vicky Risk at [vicky@isc.org](mailto:vicky@isc.org) or open a support ticket in your queue to discuss this issue.



## Kea/DHCP News

- **Random address allocation** - for deployments with a shared lease backend, the standard iterative allocator can result in excessive conflicts. Kea now supports alternative address allocation strategies.
- **Bulk leasequery** - Kea 2.3.4 extended the leasequery hook to add basic [bulk leasequery for DHCPv6](#). Kea 2.3.5 added [bulk leasequery for DHCPv4](#). We are still evaluating implementation strategies to enable bulk leasequery for the special case of DHCPv6 prefix delegations.
- **Facilitating classification with templates** - this [new KB article](#) delves into how to use this new convenience feature of Kea.

Meanwhile, we are making progress implementing the ability to manage Kea configuration via [Stork](#), starting with managing host reservations when using a host database. Next, Stork will get the ability to migrate host reservations from the Kea config to a host database.



### Meet an ISC Engineer!

And not just any engineer, either. It's time to learn a little more about [Ondřej Surý](#), ISC's Director of DNS Engineering.

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## Kea Webinar Series

Our spring webinar series focuses on tips for Kea users.

- 23 Feb - [Using Stork to manage Kea](#)
- 30 Mar - Configuring vendor options in Kea
- 20 Apr - Netbox and Kea DHCP
- 16 May - Migrating to Kea from ISC DHCP
- 07 Jun - Using the new dynamic templates in Kea

We post [recordings](#) for all of our webinars for offline viewing, but the hands-on labs are only available during the live sessions. Click [HERE](#) to view the scheduled dates and times, and to register for the series.

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## Maybe we will see you on the road?

In March, we will be at the [ICANN 76](#) meeting in Cancún (Mexico) and the [116th IETF](#) in Yokohama (Japan), and ISC staff will present at the [Netnod meeting](#) in Stockholm. We hope to also see you at [RIPE 86](#) in Rotterdam in May, where ISC is co-sponsoring a [DNS hackathon](#).

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