



# ISC Support Subscriber News

2020 Q2

For ISC's BIND 9, ISC DHCP, and Kea DHCP support subscribers.

## BIND/DNS News

**BIND 9.16 has replaced BIND 9.14 as our stable version and includes [substantial performance improvements](#).**

The biggest change in the 9.16 branch, network socket refactoring to use the libuv library, created significant performance gains but caused issues for some users building from source for operating systems that did not package libuv. We are addressing these issues as they appear, and also are recommending the ISC packages.

### DNSSEC users

The new [KASP \(Key and Signing Policy\)](#) tool helps to maintain signed zones and makes resigning and algorithm rollovers much easier. We are continuing to improve this tool in 9.17.

Before migrating from the 9.14 branch to the 9.16 branch, we recommend reviewing the [release notes](#). One significant change we introduced in 9.16 is that UDP network ports used for listening can no longer simultaneously be used for sending traffic.

### Are you facing pressure to implement encrypted DNS?

We are hard at work on implementing support for encrypted DNS (DNS over HTTPS and DNS over TLS). We plan to release support for both encryption methods in 9.17 by this fall, with backports to 9.16. We invite comments on our [design plan for DNS over HTTPS and DNS over TLS](#).

### Reminder: Restricted-access packages for subscribers

We provide both the BIND open source edition and the BIND-S edition as packages in a restricted-access Cloudsmith.io subscriber repository.

For more information, see your support queue and [this KB article on ISC packages for BIND 9](#).



## Kea/DHCP News

### Stork Management Dashboard released!

The new Stork monitoring application for Kea is posted on our [website](#), and we have [recorded a webinar](#) to demonstrate the dashboard's features. Some of the features include:

- Auto-discovery of Kea DHCPv4 & DHCPv6 applications at supplied IP or FQDN addresses
- Pool and shared network utilization visualization and alerts
- High availability status monitoring
- Host reservations display
- Platform CPU, memory, and software versions
- Kea version and build information



We have also created easy-to-install packages for major operating systems.

### Kea multithreading development progresses

With the release of 1.7.6 in March 2020, we set up a new performance test to determine the impact of multithreading on various configurations. We published [a blog](#) and [a KB article](#) and recorded a [webinar](#) on our test results. We released Kea 1.7.7 in April.

We are still polishing the multithreading work, checking the entire system for thread safety, and upgrading the remaining hooks libraries for multi-threading. We are also working on a new subscriber feature, lease-query. The next stable version, 1.8.0, will be ready to release this summer, enabling users to deploy multithreading in production.

### ISC DHCP maintenance continues

4.4.2 and 4.1-ESV-R16 are the currently supported stable versions. We have effectively stopped adding new features to ISC DHCP; we are continuing to do maintenance, but we currently do not plan to issue further feature releases.

## Updates from Support

We are considering a minor update to the [ISC Software Defect and Security Vulnerability Disclosure Policy](#). We may start notifying the public (e.g. by mail to bind-announce@lists.isc.org) in advance of the date when we are planning to announce a particularly serious vulnerability, so that administrators can plan to update on the planned public announcement date. This change would not affect our Advance Security Notifications, and as always, we plan to continue providing advance notification to our subscribers except in circumstances where we cannot, such as when there may be a vulnerability already "in the wild."



### Meet an ISC Engineer!

Cathy Almond of Cornwall, England, is our lead Support engineer and so much more!

To learn more about Cathy, [please read our blog post](#).

## ISC Webinars

We have completed our series of webinars on [Implementing DNSSEC with BIND](#). All of the talks were recorded so if you missed them, you can view the recordings.

Wed., May 20, 2020, at 1700 UTC/1:00 PM EDT/10:00 AM PDT  
Topic: EDNS Client Subnet Identifier in BIND Subscription Edition

Register in advance for this webinar:  
[https://zoom.us/webinar/register/WN\\_h1NuW3zOSCShuMqRG3XGw](https://zoom.us/webinar/register/WN_h1NuW3zOSCShuMqRG3XGw)

Wed., June 10, 2020, at 1700 UTC/1:00 PM EDT/10:00 AM PDT  
Topic: Troubleshooting with dig, with Guest Presenter Andreas Taudte

Register in advance for this webinar:  
[https://us02web.zoom.us/webinar/register/WN\\_l0slc7skR\\_Gnshc05r-lg](https://us02web.zoom.us/webinar/register/WN_l0slc7skR_Gnshc05r-lg)

All our webinars are archived in [ISC's YouTube channel](#) and on our [website](#).

## ISC Updates

[2019 Annual Report published](#)

ISC staff share some of their favorite recipes in the [ISC Pandemic Cookbook](#)

[ISC staff working from home](#)

As of April 30, 2020, we have a new business correspondence address:

Internet Systems Consortium, Inc.  
PO Box 360  
Newmarket, NH 03857

[View this email in your browser](#)

