1 Release Notes for BIND Version 9.10.5-P2

1.1 Introduction

This document summarizes changes since BIND 9.10.5:

BIND 9.10.5-P1 addresses the security issues described in CVE-2017-3140 and CVE-2017-3141.

BIND 9.11.1-P2 addresses the security issues described in CVE-2017-3142 and CVE-2017-3143. It also includes an update to the address of the B root server.

1.2 Download

The latest versions of BIND 9 software can always be found at http://www.isc.org/downloads/. There you will find additional information about each release, source code, and pre-compiled versions for Microsoft Windows operating systems.

1.3 New DNSSEC Root Key

ICANN is in the process of introducing a new Key Signing Key (KSK) for the global root zone. BIND has multiple methods for managing DNSSEC trust anchors, with somewhat different behaviors. If the root key is configured using the **managed-keys** statement, or if the pre-configured root key is enabled by using **dnssec-validation auto**, then BIND can keep keys up to date automatically. Servers configured in this way will roll seamlessly to the new key when it is published in the root zone. However, keys configured using the **trusted-keys** statement are not automatically maintained. If your server is performing DNSSEC validation and is configured using **trusted-keys**, you are advised to change your configuration before the root zone begins signing with the new KSK. This is currently scheduled for October 11, 2017.

This release includes an updated version of the `bind.keys` file containing the new root key. This file can also be downloaded from https://www.isc.org/bind-keys.

1.4 Security Fixes

- An error in TSIG handling could permit unauthorized zone transfers or zone updates. These flaws are disclosed in CVE-2017-3142 and CVE-2017-3143. [RT #45383]
- The BIND installer on Windows used an unquoted service path, which can enable privilege escalation. This flaw is disclosed in CVE-2017-3141. [RT #45229]
- With certain RPZ configurations, a response with TTL 0 could cause **named** to go into an infinite query loop. This flaw is disclosed in CVE-2017-3140. [RT #45181]

1.5 End of Life

The end of life for BIND 9.10 is yet to be determined but will not be before BIND 9.12.0 has been released for 6 months. https://www.isc.org/downloads/software-support-policy/

1.6 Thank You

Thank you to everyone who assisted us in making this release possible. If you would like to contribute to ISC to assist us in continuing to make quality open source software, please visit our donations page at http://www.isc.org/donate/.