1 Release Notes for BIND Version 9.11.4-S1

1.1 Introduction

This is a release of the BIND 9.11 Supported Preview Edition, a special feature preview branch of BIND which is available to ISC customers.

This document summarizes significant changes since the last production release on the BIND 9.11 (Extended Support Version) branch. Please see the file CHANGES for a complete list of bug fixes and other changes, or CHANGES.SE for a list of changes that have been applied specifically to the Supported Preview edition.

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 Legacy Windows No Longer Supported

As of BIND 9.11.2, Windows XP and Windows 2003 are no longer supported platforms for BIND; "XP" binaries are no longer available for download from ISC.

1.4 Security Fixes

- There was a long-existing flaw in the documentation for **ms-self**, **krb5-self**, **ms-subdomain**, and **krb5-subdomain** rules in **update-policy** statements. Though the policies worked as intended, operators who configured their servers according to the misleading documentation may have thought zone updates were more restricted than they were; users of these rule types are advised to review the documentation and correct their configurations if necessary. New rule types matching the previously documented behavior will be introduced in a future maintenance release. [GL !708]

- **named** could crash during recursive processing of DNAME records when **deny-answer-aliases** was in use. This flaw is disclosed in CVE-2018-5740. [GL #387]

1.5 New Features

- When acting as a recursive resolver, **named** can now continue returning answers whose TTLs have expired when the authoritative server is under attack and unable to respond. This is controlled by the **stale-answer-enable**, **stale-answer-ttl** and **max-stale-ttl** options. [RT #44790]

- **named** now supports the "root key sentinel" mechanism. This enables validating resolvers to indicate which trust anchors are configured for the root, so that information about root key rollover status can be gathered. To disable this feature, add **root-key-sentinel no;** to `named.conf`.

- Added support for forwarding queries to Cisco Umbrella servers, when built with **configure -- enable-umbrella**. [GL #229]

- Added the ability not to return a DNS COOKIE option when one is present in the request. To prevent a cookie being returned, add **answer-cookie no;** to `named.conf`. [GL #173]

  answer-cookie no is only intended as a temporary measure, for use when **named** shares an IP address with other servers that do not yet support DNS COOKIE. A mismatch between servers on the same address is not expected to cause operational problems, but the option to disable COOKIE responses so that all servers have the same behavior is provided out of an abundance of caution. DNS COOKIE is an important security mechanism, and should not be disabled unless absolutely necessary.

- The **dnskey-sig-validity** option allows the **sig-validity-interval** to be overriden for signatures covering DNSKEY RRsets. [GL #145]

1.6   Bug Fixes

- Running **rndc reconfig** could cause **inline-signing** zones to stop signing. [GL #439]

- Reloading all zones caused zone maintenance to stop for **inline-signing** zones. [GL #435]

- Signatures loaded from the journal for the signed version of an **inline-signing** zone were not scheduled for refresh. [GL #482]

1.7   End of Life

BIND 9.11 (Extended Support Version) will be supported until at least December, 2021. BIND 9.11-S (Supported Preview Edition) releases will continue to be published in tandem with BIND 9.11 releases until the Supported Preview Edition moves to a new branch. This may happen before BIND 9.11 reaches end of life, but not later. See https://www.isc.org/downloads/software-support-policy/ for details of ISC's software support policy.

1.8   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/.