

1 Release Notes for BIND Version 9.11.5-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]
- Added support for forwarding queries to Cisco Umbrella servers, when built with **configure --enable-umbrella**. [GL #229]
- The **dnskey-sig-validity** option allows the **sig-validity-interval** to be overridden for signatures covering DNSKEY RRsets. [GL #145]
- The **validate-except** option specifies a list of domains beneath which DNSSEC validation should not be performed, regardless of whether a trust anchor has been configured above them. [GL #237]
- Two new update policy rule types have been added, **krb5-selfsub** and **ms-selfsub**, which allow machines with Kerberos principals to update the name space at or below the machine names identified in the respective principals.

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]

- The **rndc nta** command could not differentiate between views of the same name but different class; this has been corrected with the addition of a **-class** option. [GL #105]
- When a negative trust anchor was added to multiple views using **rndc nta**, the text returned via **rndc** was incorrectly truncated after the first line, making it appear that only one NTA had been added. This has been fixed. [GL #105]

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/>.