

# 1 Release Notes for BIND Version 9.10.2-P1

## 1.1 Introduction

This document summarizes changes since BIND 9.10.2.

BIND 9.10.2-P1 addresses several bugs that have been identified in the BIND 9.10 implementation of response-policy zones (RPZ). The bugs are in code which optimizes searching through multiple policy zones. In some cases, they can cause RPZ to behave inefficiently by searching for query matches in more policy zones than are strictly necessary, or to behave unpredictably by failing to search a policy zone that should have been searched. In the worst case, they can lead to assertion failures, terminating **named**.

If you are using RPZ in BIND 9.10 in a production environment, and particularly if you have multiple policy zones, you should upgrade to BIND 9.10.2-P1. Otherwise, this upgrade is not urgent.

## 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 Security Fixes

- None

## 1.4 New Features

- None

## 1.5 Feature Changes

- None

## 1.6 Bug Fixes

- Asynchronous zone loads were not handled correctly when the zone load was already in progress; this could trigger a crash in `zt.c`. [RT #37573]
- Several bugs have been fixed in the RPZ implementation:
  - Policy zones that did not specifically require recursion could be treated as if they did; consequently, setting **qname-wait-recurse no**; was sometimes ineffective. This has been corrected. In most configurations, behavioral changes due to this fix will not be noticeable. [RT #39229]
  - The server could crash if policy zones were updated (e.g. via **rndc reload** or an incoming zone transfer) while RPZ processing was still ongoing for an active query. [RT #39415]
  - On servers with one or more policy zones configured as slaves, if a policy zone updated during regular operation (rather than at startup) using a full zone reload, such as via AXFR, a bug could allow the RPZ summary data to fall out of sync, potentially leading to an assertion failure in `rpz.c` when further incremental updates were made to the zone, such as via IXFR. [RT #39567]

- The server could match a shorter prefix than what was available in CLIENT-IP policy triggers, and so, an unexpected action could be taken. This has been corrected. [RT #39481]
- The server could crash if a reload of an RPZ zone was initiated while another reload of the same zone was already in progress. [RT #39649]

## 1.7 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/>>

## 1.8 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/>>.