

Release Notes

Bowbridge Anti-Virus *for SAP Solutions – Cloud Client*

Version 4.0.6 Build 142

Platforms:

- RedHat Enterprise Linux 8,9 on x86_64
- SUSE Linux Enterprise Server 15 on x86_64
- SUSE Linux Enterprise Server 15 on PPC64LE
- IBM AIX, v7.2 or higher
- Microsoft Windows Server 2016 or higher on x86_64

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1. Introduction

This document communicates the significant new features and changes in bowbridge Anti-Virus for SAP Solutions – Cloud Client, Version 4.0.6 Build 142. It also documents known problems and workarounds.

2. About This Release

Version 4.0.6 Build 142 is a feature release for the bowbridge Anti-Virus – Cloud Client line of products. It improves NATS client transport compatibility, connection diagnostics and AIX portability.

3. Supported Operating Systems

This product has been tested on the following platforms or with the following products:

- Linux on x86_64 (SUSE Linux Enterprise Server 15 and Red Hat Enterprise Linux 8 and 9)
- Linux on PPC64LE – VSA client only (SUSE Linux Enterprise Server 15 SP2 or higher)
- IBM AIX v7.2 or higher
- Microsoft Windows Server 2016 or higher on x86_64

4. Upgrade Procedure

Upgrading from previous installations of bowbridge Anti-Virus 4.x Cloud Client is supported. A respective option is available in the installer.

To upgrade from an earlier major version, customers must install version 4.x in parallel to the existing version and activate v4.x by reconfiguring the virus scan profile(s). After this step, the uninstall script provided with the previous version can disable and uninstall it.

5. New Features

- NATS-over-WebSocket (WSS) client transport is supported in addition to NATS/TLS. This enables client connectivity through TLS-inspecting middleboxes and HTTP CONNECT proxies.
- Improved NATS client connection diagnostics, including explicit server URL handling and structured relay-failure reporting.
- Connection deadline management for NATS proxy connections improves predictable failure handling when a proxy or broker is unavailable.
- Improved AIX client portability through a self-contained 64-bit build and reduced dependency on operating-system OpenSSL and messaging libraries.

6. Bugs and Issues fixed

- Corrected HTTP CONNECT proxy response handling for NATS, WSS and TLS client connections.
- Improved client logging and format handling, providing accurate values in diagnostics and avoiding misleading relay-failure messages.
- Resolved AIX shutdown instability associated with NATS library unloading and thread-local cleanup.
- Improved handling of mutable license configuration and API Gateway fallback when a local license pool is empty.

7. Known Bugs and Limitations

- AMQP 1.0 remains available for legacy clients. New deployments should use NATS/TLS or NATS-over-WebSocket where supported.
- Use NATS-over-WebSocket only where network infrastructure requires web-compatible framing; NATS/TLS remains the preferred transport for direct connections.

8. Version history (previous three releases)

4.0.5 – Build 140

- Improved routing of scan requests via NATS (direct-to-KV) and added display of the bb-av-control version in VSCAN.

4.0.5 – Build 135

- Improved dequeuing of logs and events and improved staging of files to the NATS KV Store.

4.0.5 – Build 134

- Added Windows Server platform support and client-side support for NATS clusters.