Release Notes

Bowbridge Anti-Virus
for SAP Solutions – Cloud Client

Version 4.0.6 Build 144

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 144. It also documents known problems and workarounds.

2. About This Release

Version 4.0.6 Build 144 is a feature release for the bowbridge Anti-Virus – Cloud Client line of products. It enables support for document cleaning and sanitation in SAP virus scan profiles, deferred adapter initialization for cluster outages, and a dedicated proxy option for the broker connection.

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

- Document cleaning and sanitation: scan profiles that request cleaning (CUST_CLEAN) are now supported.
- Deferred adapter initialization: the INITDRIVERS option ";DI=<seconds>" lets the VSA adapter initialize even while the scan cluster (broker or bb-av-control) is unreachable. The connection is retried at the configured interval, so SAP instances start cleanly during cluster maintenance or outages.
- Separate proxy for the broker connection: a dedicated HTTP CONNECT proxy for the broker connection can be configured with --broker-proxy, independently of the update proxy.
- All VSA scan parameters are now traced at DEBUG level for support diagnostics.

6. Bugs and Issues fixed

- NATS request retries are now bounded by the caller's deadline, so requests fail within the expected timeout when a broker or proxy is unresponsive.
- Fixed a crash loop in control caused by manually added duplicate licenses.map entries.
- Chunked KV transfers now bound their retries, and the quarantine service reports its own errors correctly.
- Quarantine archives now record correct ZIP entry dates.

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)

4.0.6 – Build 142

- Added NATS-over-WebSocket (WSS) client transport, improved NATS client connection diagnostics and improved AIX portability.

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 dequeueing of logs and events and improved staging of files to the NATS KV Store.