Release Notes

Bowbridge Anti-Virus
for SAP Solutions

- On-Premises Edition -

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

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1. Introduction

This document communicates the significant new features and changes in bowbridge Anti-Virus for SAP Solutions, 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 – On Premises line of products. It enables support for document cleaning and sanitation in SAP virus scan profiles, adds support for golden-key licenses, dedicated proxy configuration for the API Gateway and the broker connection, and improves cluster deployment and diagnostics.

Component versions:

- bb-av-activecontent v2.03
- bb-av-archiveextractor v2.02
- bb-av-clamav v2.01
- bb-av-control v2.06
- bb-av-epologger v2.01
- bb-av-events v2.02
- bb-av-icap v2.02
- bb-av-mimescan v2.04
- bb-av-quarantine v2.02
- bb-av-scanproxy v2.01
- bb-av-sophos v2.01
- bb-av-trellix v2.01

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)

4. Upgrade Procedure

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

For clustered deployments, use the supplied cluster upgrade procedure. It preserves the node role and backfills the required NATS and WebSocket configuration. Update coordination prevents simultaneous activation across cluster nodes.

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: files are now cleaned when the virus scan profile requests it
- Golden-key licenses: license checking now supports tenant-wide golden keys that cover every system (SID@hostname) of a tenant for the licensed features, with improved expiration handling.

- Separate proxy for the API Gateway: the new APIGW_PROXY option (environment variable BB_APIGW_PROXY) routes bb-av-control's API Gateway requests through a dedicated HTTP proxy, independently of the update-download proxy.
- Separate proxy for the broker connection: bb-av-quarantine and bb-av-events can now reach a remote (cloud or self-hosted) broker through a dedicated HTTP CONNECT proxy (--broker-proxy), independently of the update proxy.

6. Bugs and Issues fixed

- NATS request retries are now bounded by the caller's deadline, so requests no longer outlive the timeout of the requesting component.
- Chunked KV transfers now bound their retries, and the quarantine service reports its own errors instead of a generic staging failure.
- Fixed a crash loop in control caused by manually added duplicate licenses.map entries.
- Eliminated per-log-line API Gateway lookups and the resulting dropped log lines for unknown realms.
- The configuration bucket reconcilers now use persistent KV watchers, so configuration changes are applied more reliably.
- bb-av-quarantine no longer consumes items from the JetStream scan work queue, and quarantine archives now record correct ZIP entry dates.
- A worker started while its broker is unreachable now keeps retrying the connection instead of never connecting.

7. Known Bugs and Limitations

- AMQP 1.0 remains available for legacy clients. New deployments should use NATS/TLS or NATS-over-WebSocket.

8. Version history (previous three releases)

4.0.6 – Build 142

- Added a self-hosted, highly available NATS cluster deployment option and improved cluster operation, update coordination, transport compatibility and diagnostics.

4.0.5 – Build 136

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

4.0.5 – Build 134

- Improved broker startup for NATS cluster mode and sharing of node resources across the cluster.