

Proxedo API Security: Release notes for PAS 4.13.0

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The following new features, bug fixes and improvements have been completed for Release 4.13.0 Proxedo API Security.

Known Issues

- **Failure after reloads under heavy traffic**

In rare cases under heavy load, core components might stop with an error when the configuration is applied. If this occurs, core components have to be restarted manually with `systemctl restart proxedo-api-security`.

Features

- **Exported configurations are now versioned**

The exported configurations, including backup archives and those made during upgrade, now contain the software version. The `convert-config` step of the upgrade will warn if the archive contains no version, and fail with an error if the archive contains an unexpected version.

Bug Fixes

- **Double reloads when applying configuration**

Applying configuration could sometimes trigger multiple unnecessary reloads, making the operation slower, especially on Kubernetes deployments. This has been corrected.

- **Missing log lines in monitoring-manager**

The log messages generated by `snmpd-adaptor` were missing from the logs of the monitoring-manager component. This has been corrected.

- **WebUI error when incomplete License File Brick is used**

The Changes page on the WebUI produced an error when an incomplete *License File Brick* was selected in the *System > License* section. This has been corrected.

- **Restore missing length checks in pas-mgmt-checkconfig**

The length of the `server_name`, `certificate_path`, `key_path`, and `hsts_max_age` fields in `/opt/balasys/etc/mgmt/config.yml` are now properly checked to be at least 1 character long by the `pas-mgmt-checkconfig` script.

Improvements

- **Ubuntu 24.04**

The operating system in most Docker images and the host system have been updated to Ubuntu 24.04 LTS. This change, along with minor optimizations lead to 10-20% performance improvement in most cases.

- **OpenID Connect authentication update**

The OpenID Connect authentication method has a partially new implementation that brings stability improvements.

- **Fields have been renamed on the Backend Service**

The *Load Balancing Method*, *Backend Timeout*, and *Backend Retry In* fields of the *Backend Service* have been renamed for clarity and grouped under *Load Balancing*.

- **License version is checked earlier**

The version of the selected license is now validated in an integrity check, before it is applied. The version is now also visible on the Status page.

- **More robust health checks**

The health checks of `insight-director` and `monitoring-manager` have been updated to handle special cases more robustly.

- **Timestamps in logs**

Some redundant timestamps have been removed from certain component logs. Also, the format of config-api and health check logs have been changed to be more concise.

- **Timeout visible when applying configuration**

The per service feedback when applying configuration changes on Kubernetes now shows timed out services as timed out, instead of just failed. This may help investigating issues in large deployments.