

Proxedo API Security: Release notes for PAS 4.14.1

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The following new features, bug fixes and improvements have been completed for Release 4.14.1 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

- **Compression is now handled by Serializers**

The Compressor and Decompressor plugins have been removed, and their functionality is now automatically handled. If a Security Flow starts with a Deserializer plugin, then the body will be decompressed before the flow, and re-compressed after the flow. This means that empty Security Flows are now possible, and in that case, no decompression is performed.

- **Easier multi-node installation**

`pas-mgmt-deploy-core` can now automatically verify and update certain configuration values with the `--auto-config` command line flag, which makes multi-node deployment simpler and less error-prone.

Bug Fixes

- **Incorrect flow-director ID in logs on K8s**

The ID of flow-director instances was in the form `3(NXDOMAIN)` on Kubernetes, this made flow-director identification in the logs harder. This has been corrected.

Improvements

- **Performance improvements**

Performance has been significantly improved in cases where calls are rejected, HTTP Keep-Alive is not used, or many unique URLs are called. This may also stabilize performance in mixed traffic environments, with potential gains up to 20-50%.

- **Persistent mounts have been reworked**

On VM environments, some unused persistent mounts have been removed, along with the `pas-mgmt-factory-reset` command. As part of this cleanup, the internal structure of some of the persistent mounts have been changed to be more safe, and a better cleanup mechanism ensures that their disk usage won't grow above a certain limit.

- **Simplified base system configuration**

On VM environments, the `COMPOSE_PROJECT_NAME` parameter in `docker-compose.conf` files is now obsolete. This change implies that the container name and journal log prefixes will change from `pas-` to `pas-mgmt-`, `pas-storage-` and `pas-core-`, respectively.

- **Easily identifiable flow-director instances in logs**

On VM environments, flow-director instances are now suffixed with numbers in logs, making them easier to identify. It is still possible to view aggregated logs if necessary.