

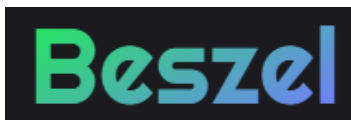
Advanced Configurations

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Enviroment Variables



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Beszel Environment Variables

Below is a comprehensive list of environment variables for both the Beszel Hub and the Agent. These variables control functionality such as content security policies, OAuth/OIDC behavior, filesystem monitoring, and more. For additional details, refer to the official [Beszel Environment Variables Guide](#).

Hub

Name	Default	Description
<code>CSP</code>	unset	Adds a Content-Security-Policy header with this value.
<code>DISABLE_PASSWORD_AUTH</code>	false	Disables password authentication.
<code>USER_CREATION</code>	false	Enables automatic user creation for OAuth2 / OIDC.

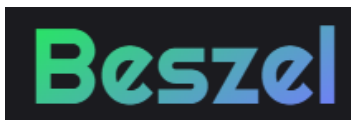
Agent

Name	Default	Description
<code>DOCKER_HOST</code>	unset	Overrides the docker host (<code>docker.sock</code>) if using a proxy. Relevant when using linuxserver/docker-socket-proxy or similar.
<code>EXTRA_FILESYSTEMS</code>	unset	Monitor extra disks if using the binary agent. See Additional Disks .
<code>FILESYSTEM</code>	unset	Device, partition, or mount point to use for root disk stats.
<code>KEY</code>	unset	Public SSH key to use for authentication (provided by the Hub).
<code>LOG_LEVEL</code>	info	Logging level. Valid values: <code></code>

GPU Monitoring



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GPU Monitoring

Beszel can monitor GPU usage, temperature, and power draw for select devices. This feature is currently only available in the **binary agent**, not in the Docker agent.

Binary Agent Only

The Docker agent does not support GPU monitoring. You must use the binary agent if you need GPU metrics. For installation and usage details, refer to the official Beszel documentation on [installing the binary agent](#).

AMD GPUs

Beszel uses `rocm-smi` to monitor AMD GPUs. Ensure `rocm-smi` is installed on the system running the agent.

- **Installation Path:** On Arch and Debian systems, installing `rocm-smi-lib` typically places the binary in `/opt/rocm/bin`.

- **Symlink to /usr/local/bin:** If `/opt/rocm/bin` isn't in the user's `PATH`, create a symlink:

```
sudo ln -s /opt/rocm/bin/rocm-smi /usr/local/bin/rocm-smi
```

Nvidia GPUs

Beszel uses `nvidia-smi` to monitor Nvidia GPUs. This must be installed on the system.

- **Nvidia Jetson Devices:** Jetson boards are *not compatible* with `nvidia-smi` and are *not currently supported*. It may be possible to use `tegrastats` to track some metrics, but full support is not yet implemented.

Intel GPUs

Intel GPUs are not currently supported due to:

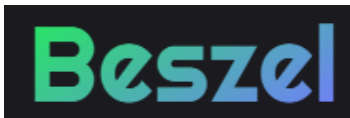
1. No test hardware is available to the developer.
2. There is no straightforward utility akin to `nvidia-smi` for real-time Intel GPU metrics (utilization, memory usage).

Please see [issue #262](#) for more information or to track progress on Intel GPU support.

User Accounts



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User Accounts

This section covers the various user roles in Beszel, their permissions, and how to reset or change passwords. Note that Beszel user roles operate on top of a PocketBase back-end, and some features (like superuser creation) are handled through PocketBase directly.

User Roles

Beszel defines three main user roles:

- **Admin:** Has access to additional features and settings such as backups, SMTP configurations, and other administrative options within the Beszel Hub. *The first user created* is automatically granted Admin privileges (and also becomes a PocketBase superuser with the same credentials).
- **User:** Can create and manage their own systems and alerts but does not have access to the full PocketBase or advanced Beszel administrative settings.

- **Read Only:** Can view systems shared by an admin and create alerts, but *cannot* create new systems or make system-level changes.

Important: PocketBase superusers are separate from Beszel user roles. Promoting a Beszel user to Admin role *does not* create a PocketBase superuser account. If you want them to have access to the PocketBase admin panel (`/_/#/` in the browser), you must create a new superuser for them manually via the PocketBase CLI or the Beszel superuser command.

Reset Password

To reset your password, you can use the built-in `superuser` command in Beszel. The `upsert` subcommand will reset the password if a superuser already exists for the specified email, or it will create a new superuser if one does not exist.

Once you have a PocketBase superuser account, you can change any user's password via the PocketBase admin interface under the **users** table.

Docker

```
docker exec beszel /beszel superuser upsert name@example.com password
```

This command will reset (or create) a PocketBase superuser with the specified email (`name@example.com`) and password (`password`).

To see all superuser options:

```
docker exec beszel /beszel superuser --help
```

Binary

```
./beszel superuser upsert name@example.com password
```

And to list all superuser options:

```
./beszel superuser --help
```