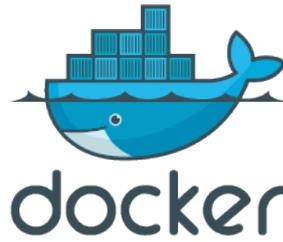


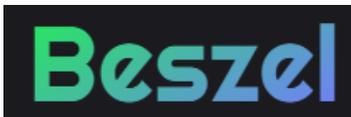
# Advanced Configurations

- Environment Variables
- GPU Monitoring
- User Accounts

# Environment 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

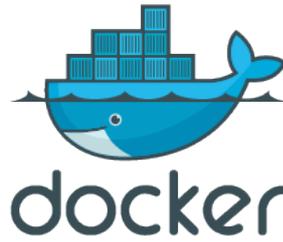
Name	Default	Description
<code>CSP</code>	unset	Adds a <a href="#">Content-Security-Policy</a> header with this value.
<code>DISABLE_PASSWORD_AUTH</code>	false	Disables password authentication.
<code>USER_CREATION</code>	false	Enables automatic user creation for OAuth2 / OIDC.

---

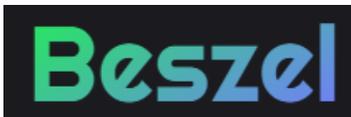
# Agent

Name	Default	Description
<code>DOCKER_HOST</code>	unset	Overrides the docker host ( <code>docker.sock</code> ) if using a proxy. Relevant when using <a href="#">linuxserver/docker-socket-proxy</a> or similar.
<code>EXTRA_FILESYSTEMS</code>	unset	Monitor extra disks if using the binary agent. See <a href="#">Additional Disks</a> .
<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: <input type="text"/>

# 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.

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### 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.
- 

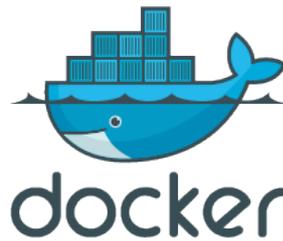
## Intel GPUs

Intel GPUs are not currently supported due to:

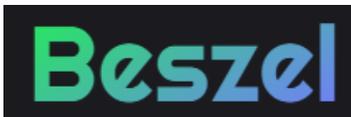
1. No test hardware is available to the developer.
2. There is no straightforward utility akin to `nvidia-smi` for real-time Intel GPU metrics (utilization, memory usage).

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.

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## 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
```