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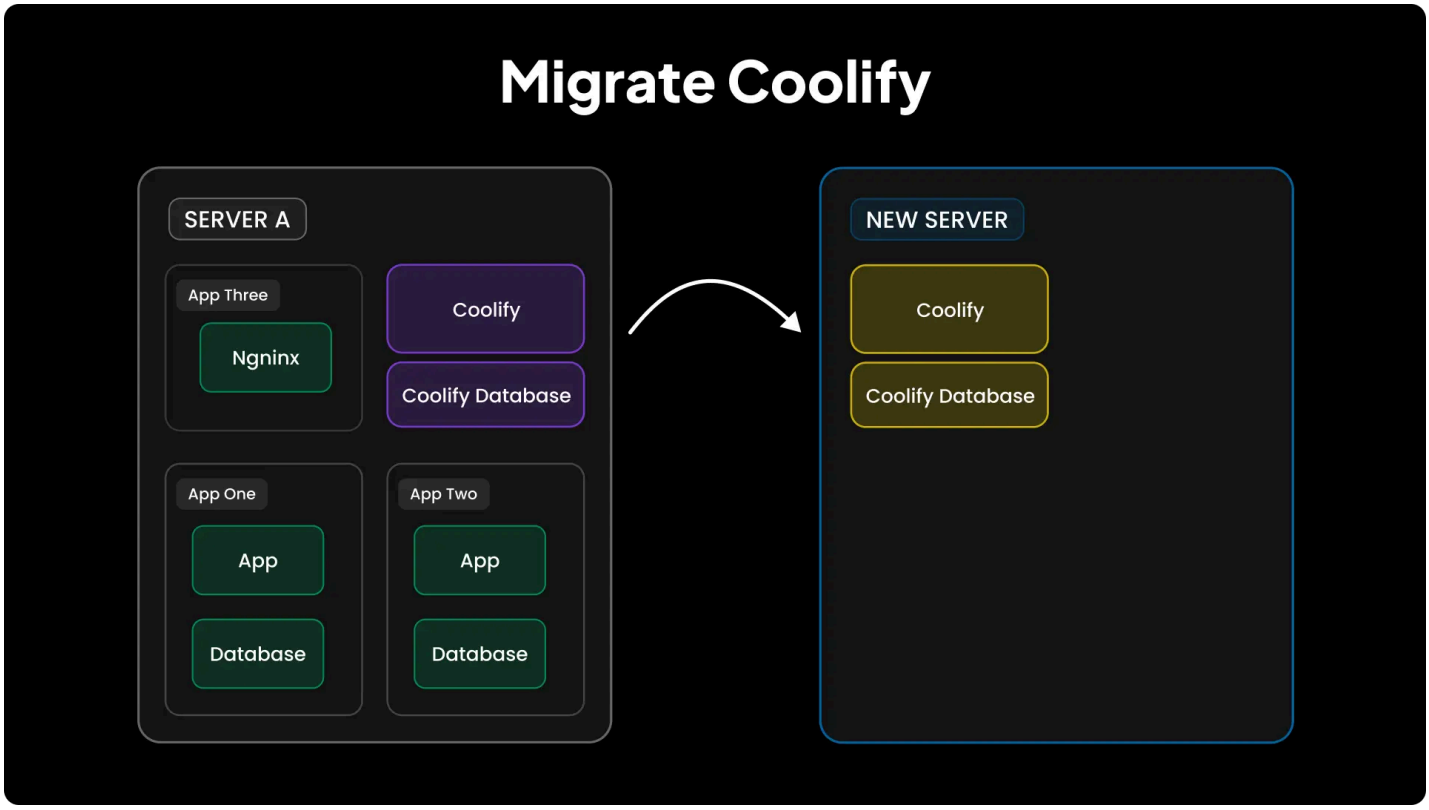

Coolify does not have a built-in feature to migrate itself from one server to another.

You will need to manually install Coolify on the new server and then copy over your data. This guide walks you through the process step-by-step.

This guide works for migrating a healthy or broken Coolify instance to a new server.

> **Note**
> We assume you have a new server ready and Coolify is not yet installed on it.

1. What to Migrate

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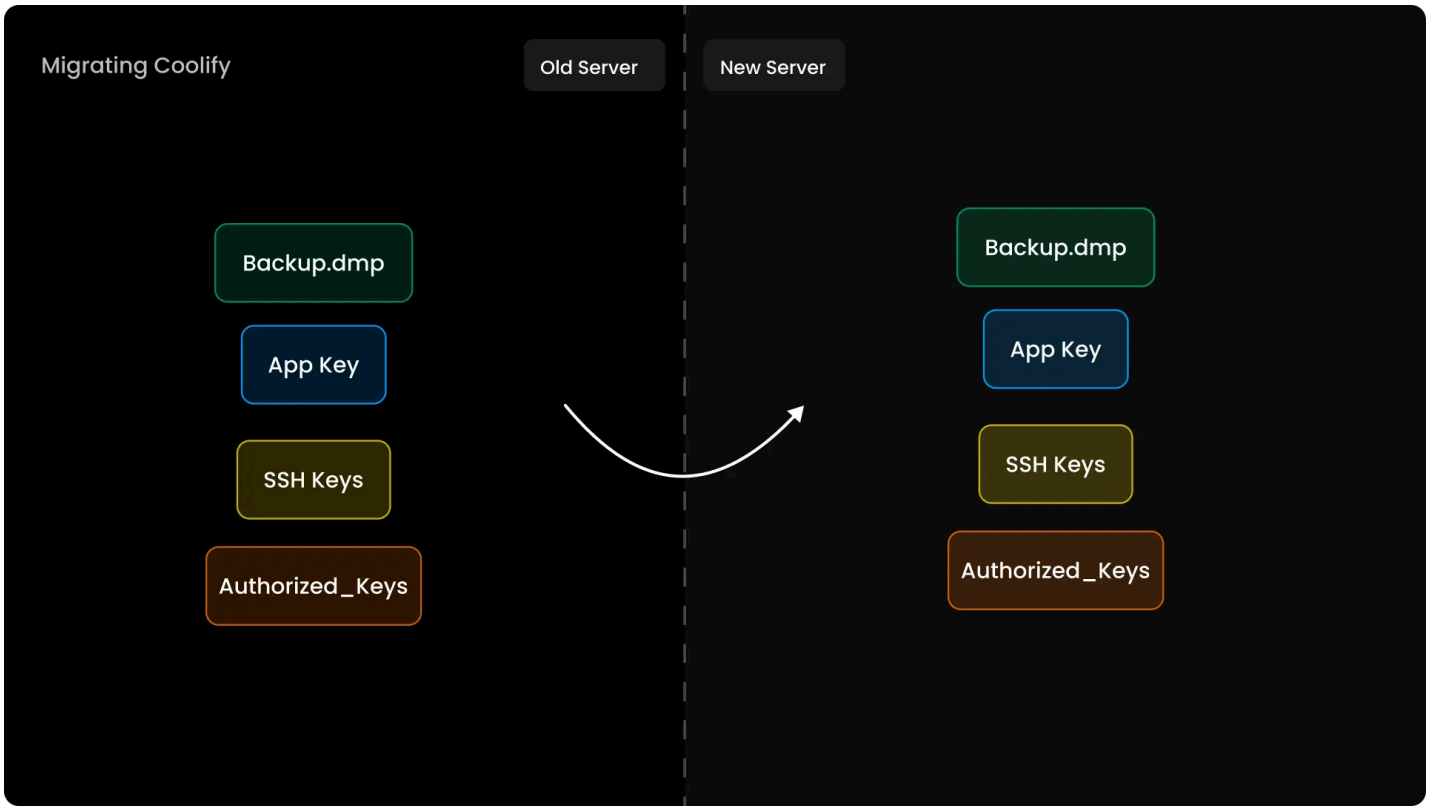
- **Coolify Database:** This contains all your project configurations. It runs in a Docker container named `coolify-db`.
- **Application Key (`APP_KEY`):** This is a secret key used to encrypt your database. Without it, your backup cannot be restored. It is stored in the `.env` file.
- **SSH Keys:** Coolify uses these to connect to your servers.
- **Authorized Keys:** These keys allow your servers to accept SSH connections from Coolify.

This guide will show you how to back up and transfer these items safely.



2. Back Up the Coolify Database

First, you need to back up your Coolify database. All of your instance's data is stored here.

There are three ways to do this:

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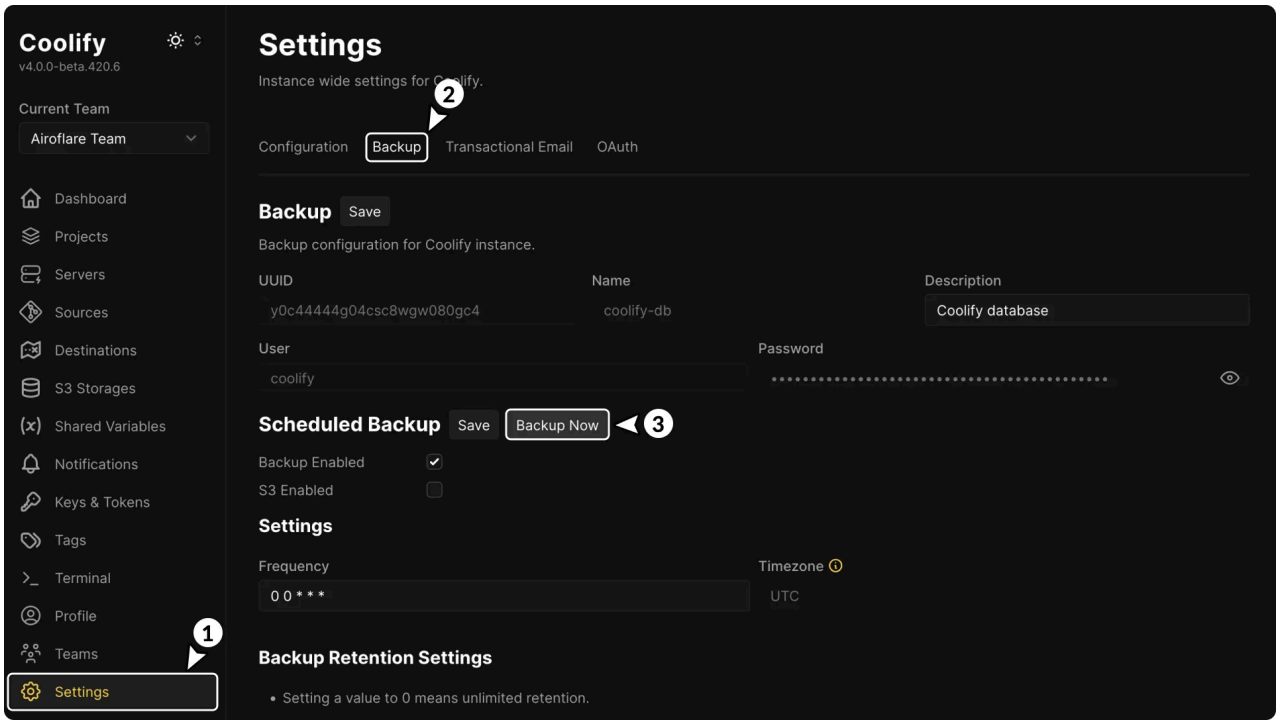
> **Note**
>
> Use one of the other methods if you cannot access your Coolify dashboard.

1 Create a Backup



- Log in to your Coolify Dashboard.
- Go to **Settings** and select the **Backup** tab.
- Click **Backup Now**.

2 Save the Backup Location

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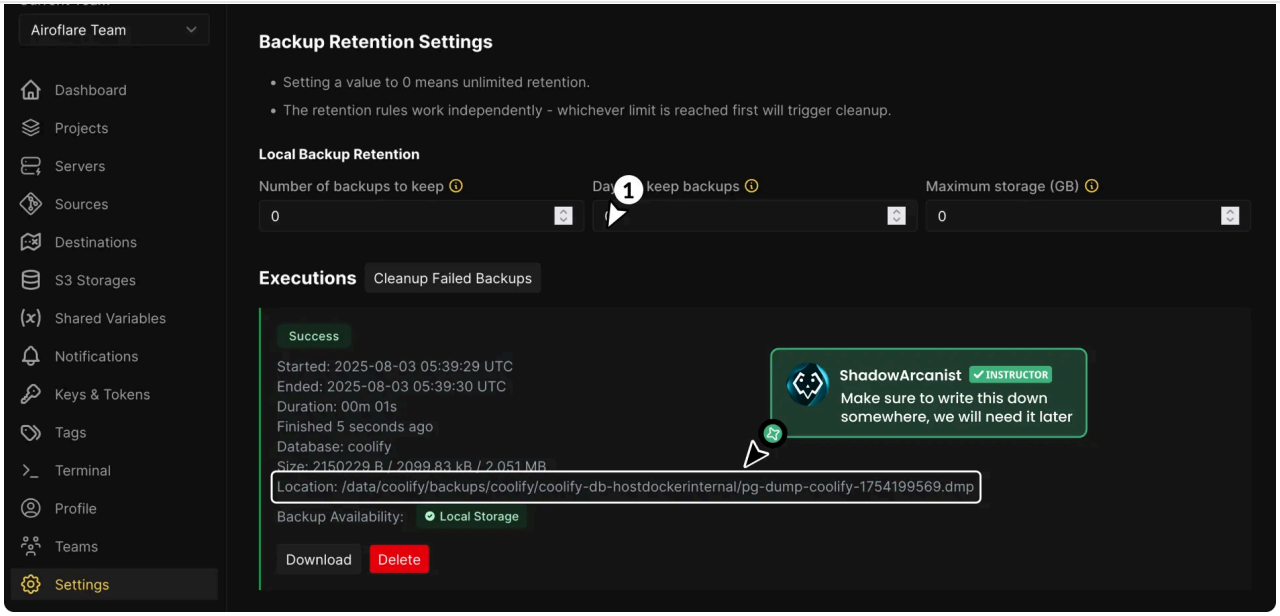

- Once the backup is done, the UI will show a download button and the backup's file path.
- Copy this path and save it. You will need it later.

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3. Run the Migration Script

To simplify the migration, we created a script that automates the process. It handles transferring files, installing Coolify on the new server, and restoring your data.

Follow these steps on your **old server**:

1 **Create the script file**

SSH into your old server and create a file named `migration.sh`:

```
touch migration.sh && chmod +x migration.sh
```

2 **Paste the script**

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migration.sh

```
#!/bin/bash

### ========== MANUAL CONFIGURATION ==========
NEW_SERVER_IP="192.168.1.244"
NEW_SERVER_USER="root"
NEW_SERVER_PORT="22"
NEW_SERVER_AUTH_KEYS_FILE="/root/.ssh/authorized_keys"

SSH_PRIVATE_KEY_PATH="/root/.ssh/remote-server-ssh"
LOCAL_AUTH_KEYS_FILE="/root/.ssh/authorized_keys"
BACKUP_FILE="/data/coolify/backups/coolify/coolify-db-hostdockerinternal/pg-dump-coolify
### ========== MANUALCONFIGURATION ENDS HERE ==========


REMOTE_BACKUP_DIR="/root/coolify-backup"
ENV_FILE="/data/coolify/source/.env"
SSH_KEYS_DIR="/data/coolify/ssh/keys"
REMOTE_BACKUP_FILE="$REMOTE_BACKUP_DIR/$(basename "$BACKUP_FILE")"

LOG_PREFIX="[ Migration Agent ]"
CONTROL_SOCKET="/tmp/ssh_mux_socket"

LOG_DIR="$(pwd)/migration-logs"
mkdir -p "$LOG_DIR"
AGENT_LOG="$LOG_DIR/migration-agent.log"
DB_RESTORE_LOG="$LOG_DIR/db-restore.log"
INSTALL_LOG="$LOG_DIR/coolify-install.log"
FINAL_INSTALL_LOG="$LOG_DIR/coolify-final-install.log"

log() {
    echo "$LOG_PREFIX [ $1 ] $2" | tee -a "$AGENT_LOG"
}
```

3 Set up SSH access

The script needs to connect from your old server to your new server using SSH. Make sure you have an SSH key on the old server that can access the new server.

4 Configure the script variables

Before running the script, you must update the variables at the top to match your setup:

- `NEW_SERVER_IP`: The IP address of your new server.
- `NEW_SERVER_USER`: The user account for your new server (e.g., `root`).

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- `NEW_SERVER_AUTH_KEYS_FILE`: The path to the `authorized_keys` file on your new server (e.g., `/root/.ssh/authorized_keys`).
- `SSH_PRIVATE_KEY_PATH`: The path to the private SSH key on your old server that can access the new server.
- `LOCAL_AUTH_KEYS_FILE`: The path to the `authorized_keys` file on your old server.
- `BACKUP_FILE`: The full path to the Coolify backup file.

5 **Run the migration**

Execute the script:

```
./migration.sh
```

The migration will take a few minutes. Once it's done, you will see a `Migration completed successfully` message. You can then access your restored Coolify instance at `http://<NEW_SERVER_IP>:8000`.

Note

The migration script does not copy the contents of the `/data/coolify/proxy` directory. If you have custom proxy configurations, you will need to copy them manually.

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4. Migrate Your Applications

This script only migrates the Coolify instance itself, not the applications you have deployed.

To migrate your applications, you need to move their data manually. Follow our separate guide for that: Migrate Applications.

Support

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Links

Community Discord Server

Author's Website