

# VersionCleanup

A simple Script

## Documentation Version 1.0

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### Overview

`VersionCleanup.sh` is a Bash script designed to automate the cleanup of outdated files and folders matching the pattern you define within a specified directory on your server. It retains only the latest two versions of these files/folders, based on sorting criteria, and deletes the rest. Additionally, it logs the actions taken during each execution, including deletions, to a log file.

### Features

- **Selective Deletion:** Targets only files matching a specific naming pattern, deleting all but the latest two versions.
- **Logging:** Records all deletion actions in a dated log file for auditing and review purposes.
- **Safety Checks:** Includes basic safety checks to prevent execution in unintended directories.

## Requirements

- A Linux operating system with Bash shell.
- Read, write, and delete permissions in the target directory for the files concerned.

## Installation

The script requires no special installation. Simply download or copy it to your desired directory and make it executable:

```
chmod +x VersionCleanup.sh
```

## Usage

To run the script manually, navigate to the script's directory and execute it as follows:

```
./VersionCleanup.sh
```

## Configuration

Edit the script to set the `directory` path at the beginning of the script to your specific target directory where the files should be cleaned up.

## Automation with Cron

To automate the script execution, add a cron job that runs `VersionCleanup.sh` according to your schedule. For example, to run the script on the first day of every month at 3 AM, add the following entry to your crontab:

```
0 3 1 * * /path/to/VersionCleanup.sh
```

Replace `/path/to/` with the actual path where `VersionCleanup.sh` is stored.

## Logging

The script writes a log of each execution to a file named in the format `cleanup_$(date +%Y-%m-%d).log`, stored in the same directory as the script. Regularly check these files to ensure the script is functioning as expected.

## Safety Tips

- Execute the script in a test environment before deploying it in a production environment to avoid unintended data loss.
- Ensure you have backups of important data before running the script.

## Support

For questions or assistance with using this script, please contact the author or your system administrator.