

Folder/Path configuration change #516

Closed Arksine opened this issue on Oct 3 · 124 comments

Labels announcement critical

Arksine commented on Oct 3 • edited Owner

UPDATE 10/15/2022:

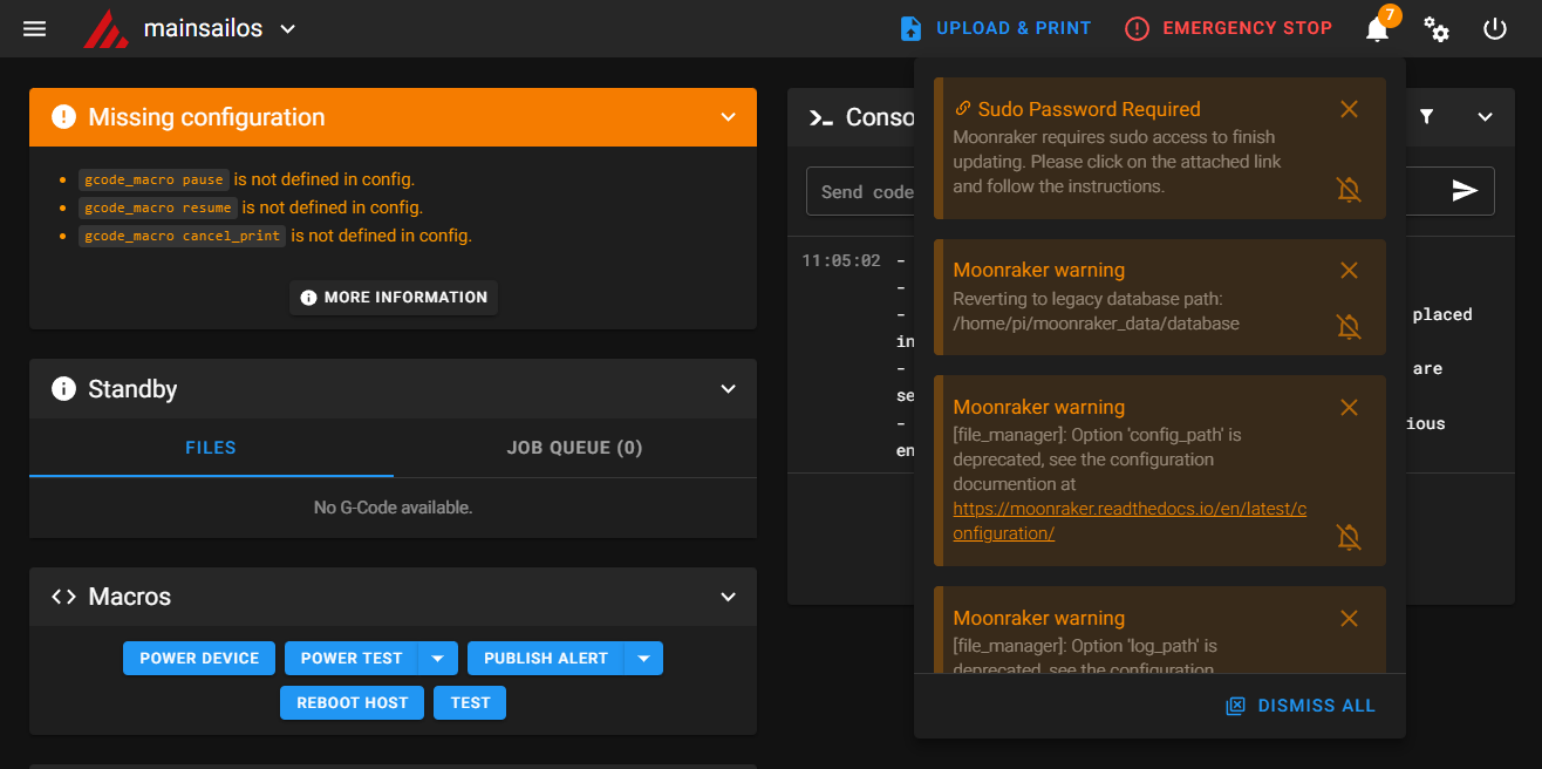
Some users have experienced errors during the update process. For users of MainsailOS and FluidPi with a default installation I have pushed a script that should recover Moonraker. Run the following commands via ssh:

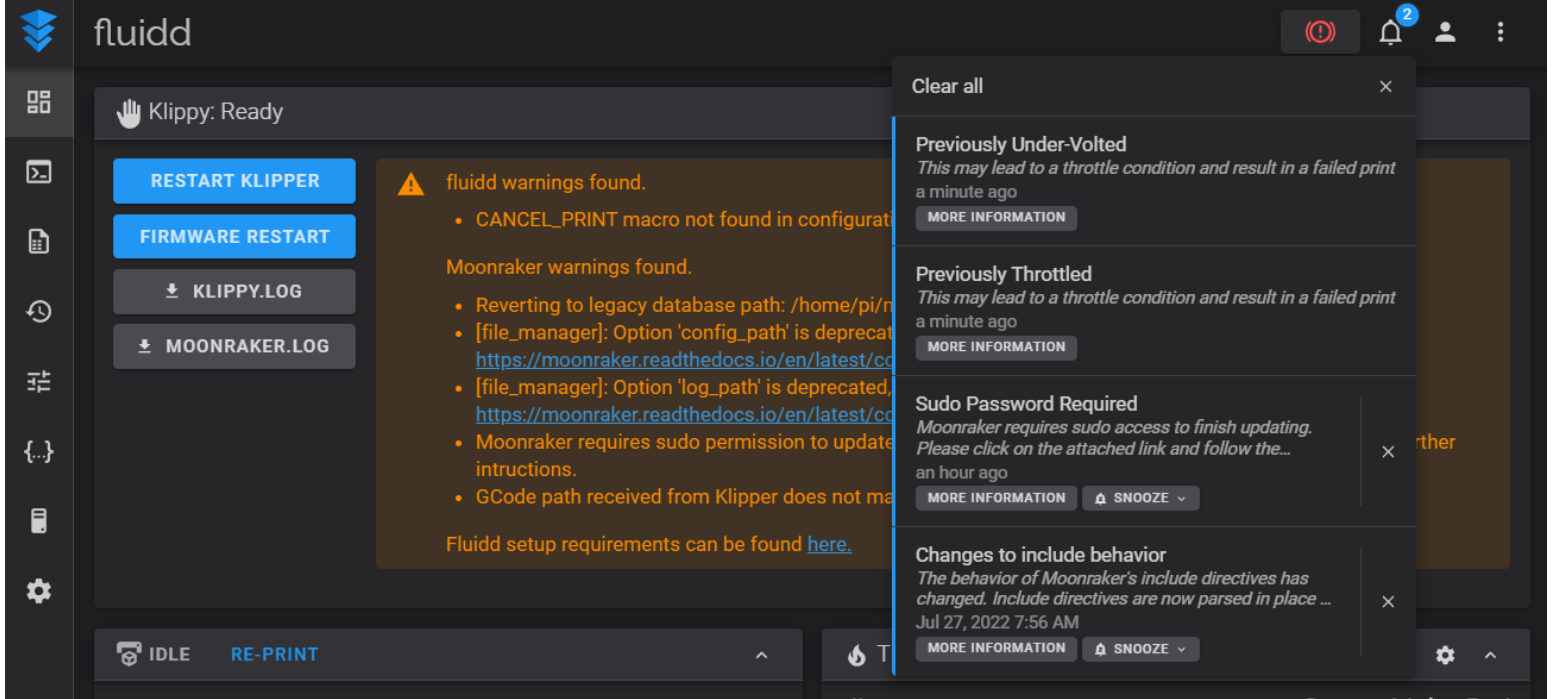
```
cd ~/moonraker
git pull
./scripts/data-path-fix.sh
```

ORIGINAL

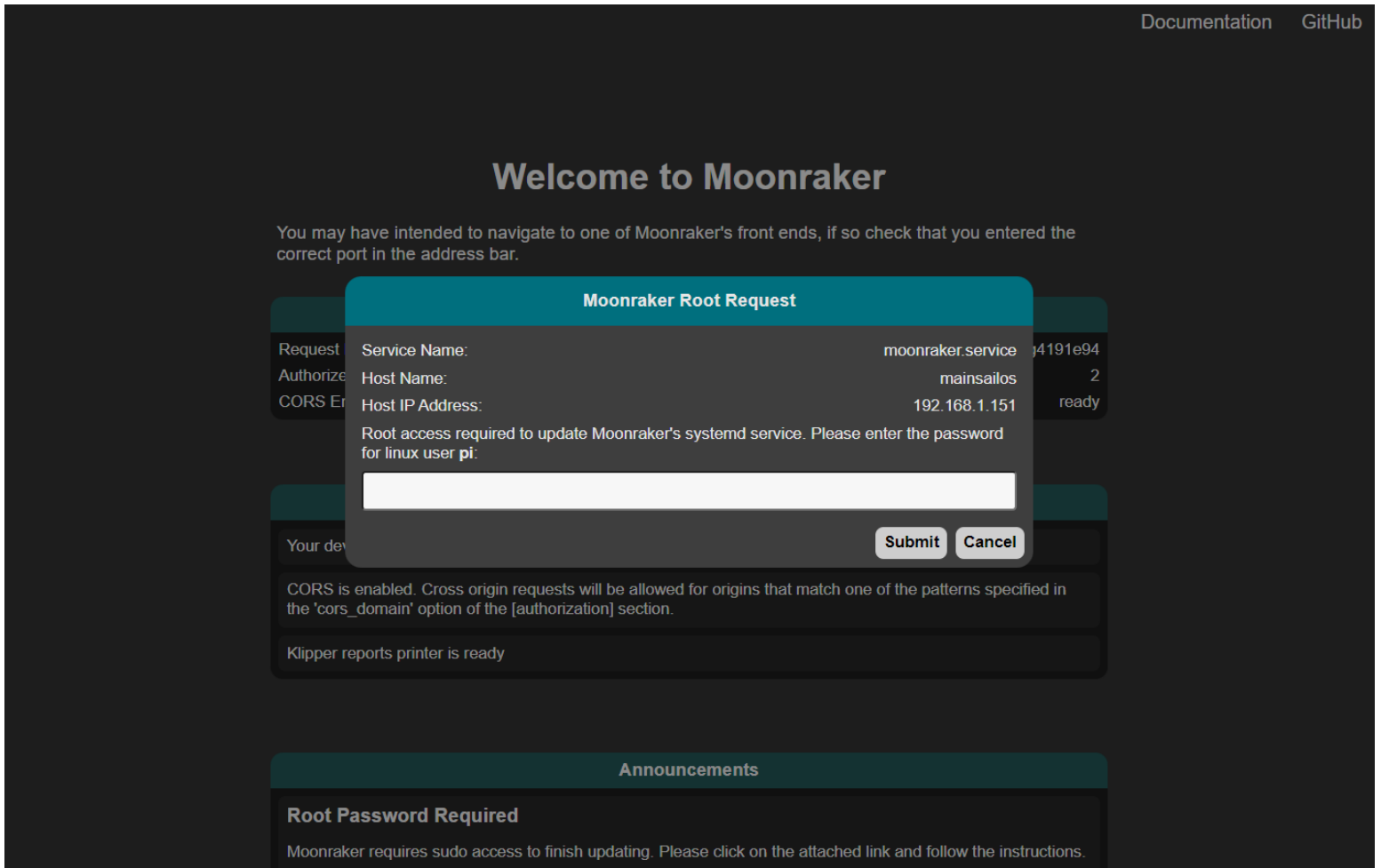
An upcoming addition to Moonraker will change how files and folders are configured and managed in Moonraker. All folders and files managed by Moonraker will be contained within a `data path` configured in the command line. Options such as `config_path` and `log_path`, `secrets_path`, etc. will be deprecated.

A detailed description of the changes can be found in pull request #491. The current plan is to merge #491 on Friday, October 14th. The changes to the configuration file and system service are automated for most installations, however the user's root password may be necessary if Moonraker does not have sudo access. In this scenario Moonraker will generate a `Sudo Password Required` announcement:





The incomplete update will generate several warnings so the announcement may not be at the very top of the notification panel. The user should click through the link (the title in Mainsail, More Information in Fluid), which will take you to Moonraker's landing page:



Here Moonraker will request the password for the detected user (in the example above it is pi). After submission Moonraker will finish the update and prompt the user to close the tab/window:

Welcome to Moonraker

You may have intended to navigate to one of Moonraker's front ends, if so check that you entered the correct port in the address bar.

Request ID

Service Name:

moonraker.service

4191e94

Authorize

Host Name:

mainsailos

2

CORS En

Host IP Address:

192.168.1.151

ready

Root access required to update Moonraker's systemd service. Please enter the password for linux user **pi**:

Submit Cancel

Your dev

CORS is enabled. Cross origin requests will be allowed for origins that match one of the patterns specified in the 'cors' section of the configuration.

Klipper r

Sudo password successfully set.

System update complete.

Moonraker is currently in the process of restarting.

You may close this window and return to the front end.

Announcements

Root Password Required

A Moonraker instance running on a non-debian distro or otherwise customized installation will likely need to perform these changes manually. It is possible to disable the automated changes in the `machine` configuration:

```
[machine]
validate_service: False
validate_config: False
```

Update:

Power users and developers should be aware that debug options will also be removed from the configuration. There are various debug options available through the command line, which can easily be changed by modifying `moonraker.env` and restarting Moonraker. Details are [available in the PR](#).



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Arksine added announcement critical labels on Oct 3

Arksine commented on Oct 3 • edited

Owner Author

Small update: I have pushed back the merge date by a week, it is now October 14th.

chrisbdaemon commented on Oct 3

Can the sudo command be run manually or do we have to do it through moonraker?

Arksine commented on Oct 3 • edited

Owner Author

@chrisbdaemon It will be possible to use a script to set the password via ssh:

```
~/moonraker/scripts/finish-upgrade.sh
```

Alternatively, its possible to temporarily set the sudo password in the `[machine]` section of `moonraker.conf` prior to the update. I would recommend using a [secrets](#) file if you do this. For example, create a file `~/moonraker.secrets` with the following contents:

```
# moonraker.secrets

[sudo]
# replace "mypass" with your password
password: mypass
```

Then in moonraker.conf :

```
# moonraker.conf
[secrets]
secrets_path: ~/moonraker.secrets

[machine]
sudo_password: {secrets.sudo.password}
```

Once the options have been set, restart Moonraker than update via the update manager.

After the update is complete you can remove the sudo_password option from the machine section. You will notice that the secrets_path was automatically removed and a symbolic link has been created to that file in ~/printer_data . If you desire you can delete that symbolic link and the original secrets file. Otherwise you can just remove the [sudo] section from the secrets file.



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MarcoBugo commented on Oct 5

whenever I click the mainsail title i reach this git and not the moonracker root request why?

Arksine commented on Oct 5

Owner

Author

The changes haven't been merged yet, you are clicking through the announcement generated by this issue. The currently plan is to merge on October 14th. At some point after that you will update, which will send the Sudo Password Required notification if necessary.

Arksine commented on Oct 6 • edited

Owner

Author

FWIW, after testing I found an issue when attempting to use the install script to upgrade...it can't bring over the old database, so the process does not complete successfully. To provide an option for users that wish to finish the upgrade via ssh I have added a script, finish-upgrade.sh . This script will first check to make sure that Moonraker is awaiting the sudo password. If that condition is met it will prompt the user for the password and use it to finish the upgrade.

📌 Arksine pinned this issue on Oct 13

Eclipse3D commented on Oct 14

Well this broke my system, it boots up, and now I have no config files, when I try to print I get file not found and the only messages I have in my notifications are the update ones, this was after entering sudo password.

EricZimmerman commented on Oct 14

Working on this now too. There was 7 notifications, totally gone after a restart, so I can't see what they were

Eclipse3D commented on Oct 14

I can see what they are they just point me to these pages, but none of these say anything about what to do after the system changes, just cryptic lines of change information. I do not even know how the printer is able to boot into klipper, I cannot view my configs unless I ssh to them, and I do not know what is changed enough to know how to point paths that are missing or changed lol...

EricZimmerman commented on Oct 14

once i added sudo password, things just worked and no more warnings, etc. seems like it cleaned up a lot of the stuff

i am using mailsail with klipper on an otherwise default install for a voron 2.4.

Eclipse3D commented on Oct 14 • edited

Yeah I put in the sudo password it closed that screen and never did anything else just left me looking at the welcome to moonraker page. Now nothing. Printer boots up, I can control it via dashboard but cannot do anything with it other than change temps, look at updates that say "uptodate" etc. but cannot print, view logs, etc. I am not sure if I am supposed to move a folder, etc. Was just going to finish printing my Voron tonight, looks like thats a bust. Yeah my rig is a ender 3 s1 pro with mainsail/klipper installed from RPI Imager. I have no clue where to go from here.

EricZimmerman commented on Oct 14

you can check the systemd config to see where the env file is and update that for your setup. i verified mine and it looked good. things look like they did yesterday for me now, but i added the sudo password thing manually to the config vs the gui popup

Arksine commented on Oct 14 • edited

Owner Author

Yeah I put in the sudo password it closed that screen

Try to reload the landing page. It sounds like you didn't click the submit button and instead clicked out of the dialog box or cancel . This will close the dialog. When the update completes successfully it will present a popup letting you know.

Eclipse3D commented on Oct 14

How do I reload that?

Arksine closed this as completed on Oct 14

Arksine reopened this on Oct 14

Arksine commented on Oct 14 • edited

Owner Author

You can check your notifications to see if Sudo Password Request is still in there. Otherwise you can go to http://mainsailos.home:7125 . Replace mainsailos.home with the correct domain.

Eclipse3D commented on Oct 14

all I have is the main page it is not asking for any sudo password now, it just shows

Welcome to Moonraker

You may have intended to navigate to one of Moonraker's front ends, if so check that you entered the correct port in the address bar.

Authorization

Request IP:	192.168.50.33
Authorized:	True
CORS Enabled:	True

Status

Version:	v0.7.1-705-g26030c2
Websocket Count:	2
Klipper State:	ready

Summary

Your device is authorized to access Moonraker's API.

CORS is enabled. Cross origin requests will be allowed for origins that match one of the patterns specified in the 'cors_domain' option of the [authorization] section.

Klipper reports printer is ready

Warnings

[server]: Option 'enable_debug_logging' is deprecated, see the configuration documentation at <https://moonraker.readthedocs.io/en/latest/configuration/>

[file_manager]: Option 'config_path' is deprecated, see the configuration documentation at <https://moonraker.readthedocs.io/en/latest/configuration/>

[file_manager]: Option 'log_path' is deprecated, see the configuration documentation at <https://moonraker.readthedocs.io/en/latest/configuration/>

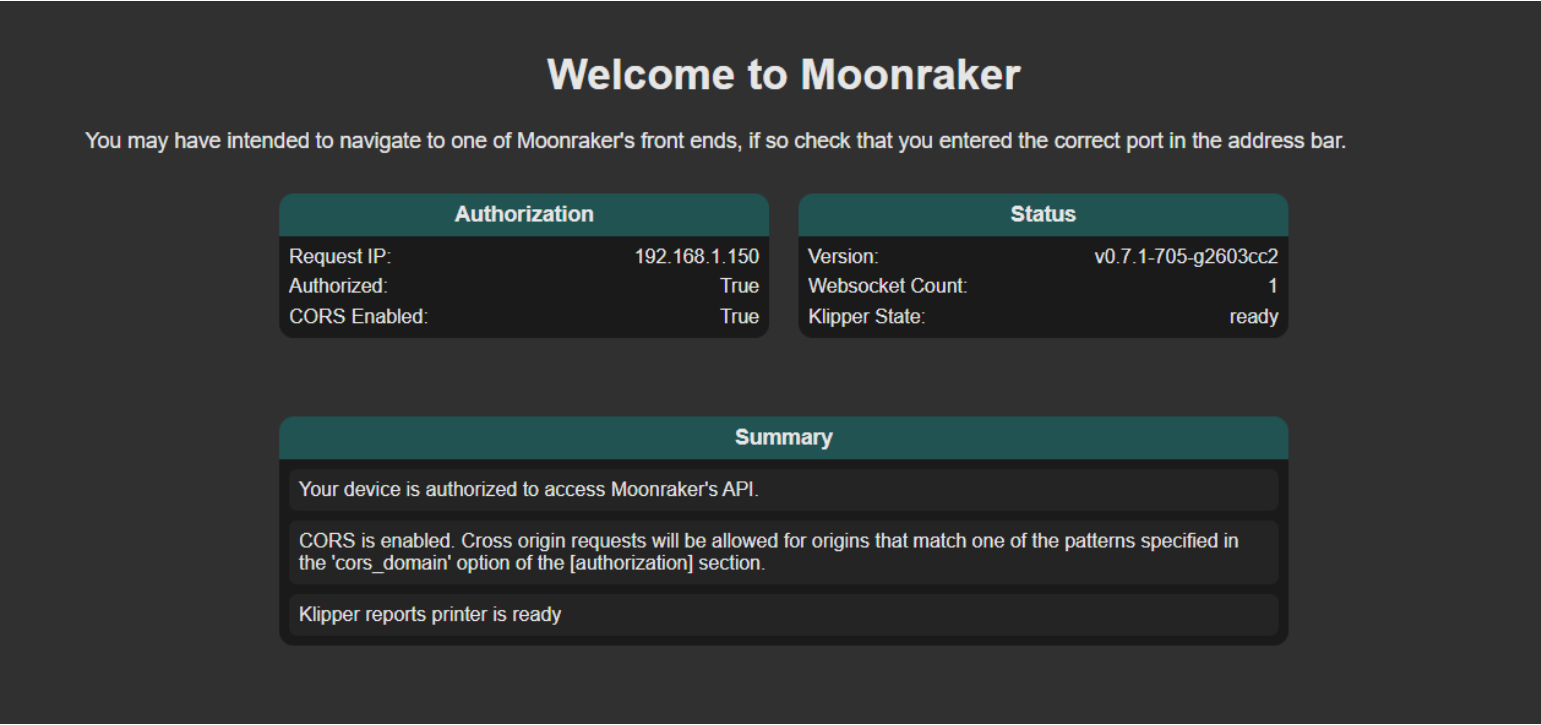
Failed to link subfolder 'database' to 'home/pi/moonraker_database'. Folder 'database' already exists. This conflict requires manual resolution.

GCode path received from Klipper does not match expected path: /home/pi/printer_data/gcodes

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```
I don't have any page at all, Moonraker reports a bad gateway on the web interface and when trying to fix via SSH I get
pi@k2:~ $ sudo ~/moonraker/scripts/finish-upgrade.sh
[sudo] password for pi:
Completing Upgrade for Moonraker at http://localhost:7125
Requesting Announcements...
Moonraker announcement request failed with error: curl: (7) Failed to connect to
localhost port 7125: Connection refused
Make sure the address and port are correct. If authorization
is required supply the API Key with the -k option.
```

mine does not have any warnings, so i guess it fixed itself



@JDWarner i got the same. i didnt bother with that. i did do the sudo fix and reboot one.

I did not skip adding the sudo password, I hit submit and it brought me to the same page from above, there are some errors on that page stating
Failed to link subfolder 'database' to '/home/pi/.moonraker_database'. Folder 'database' already exists. This conflict requires manual resolution.
GCode path received from Klipper does not match expected path: /home/pi/printer_data/gcodes

@Eclypse3D
Try to ssh in to the Pi and run the following:

rm -rf ~/printer_data
sudo service moonraker restart

My Moonraker continues to refuse to connect on [correct_ip_address] port 7125. Bad gateway.

I have fully implemented the secrets pw with .secrets file and added it to moonraker.conf

Eclipse3D commented on Oct 14 • edited ▾

This is what I got...

```
sudo service moonraker restart
sh: 0: getcwd() failed: No such file or directory
Job for moonraker.service failed because of unavailable resources or another system error.
See "systemctl status moonraker.service" and "journalctl -xe" for details.
```

```
moonraker.service - API Server for Klipper SV1
Loaded: loaded (/etc/systemd/system/moonraker.service; enabled; vendor preset: enabled)
Active: activating (auto-restart) (Result: resources) since Fri 2022-10-14 18:37:59 EDT; 2s ago
```

Oct 14 18:37:59 mainsail02 systemd[1]: Failed to start API Server for Klipper SV1.

[journalctl.txt](#)

JDWarner commented on Oct 14

I think the actual failure is a little above that, here's my log - I think Moonraker is no longer finding its necessary files after the update.

```
Oct 14 17:36:07 k2 systemd[1]: moonraker.service: Failed to load environment files: No such file or directory
Oct 14 17:36:07 k2 systemd[1]: moonraker.service: Failed to run 'start' task: No such file or directory
Oct 14 17:36:07 k2 systemd[1]: moonraker.service: Failed with result 'resources'.
  Subject: Unit failed
  Defined-By: systemd
  Support: https://www.debian.org/support

The unit moonraker.service has entered the 'failed' state with result 'resources'.
Oct 14 17:36:07 k2 systemd[1]: Failed to start API Server for Klipper SV1.
  Subject: A start job for unit moonraker.service has failed
  Defined-By: systemd
  Support: https://www.debian.org/support

A start job for unit moonraker.service has finished with a failure.

The job identifier is 5358 and the job result is failed.
```

Eclipse3D commented on Oct 14

Now Klipper cannot connect to moonraker at all

Arksine commented on Oct 14 • edited ▾

Owner Author

@Eclipse3D Ok, we are going to have to do a manual install to fix it. The following assumes:

- Your config path is ~/klipper_config/moonraker.conf
- Your log path is ~/klipper_logs/moonraker.log

```
~/moonraker/scripts/install-moonraker.sh -c ~/klipper_config/moonraker.conf -l ~/klipper_logs/moonraker.log
```

After this is done moonraker will start. It will create a new database, so we need to restore the old one.

```
sudo service moonraker stop
cd ~/printer_data
rm -rf database
ln -s ~/.moonraker_database database
sudo service moonraker start
```



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82 hidden items

[Load more...](#)

seanol69 commented on Oct 22 • edited ▾

No issues at all! I appreciate the help!

Unfortunately my fingers were faster than my reading. I ran the first script and now when trying to start moonraker i get:

Job for moonraker-1.service failed because of unavailable resources or another system error.
See "systemctl status moonraker-1.service" and "journalctl -xe" for details.

Sorry about that.

Arksine commented on Oct 22

Owner Author

No problem, we can recover. The typo was in `data-path-fix.sh`. Trying to simulate multiple instances on a test unit, and I believe I have it working:

```
cd ~/moonraker
git pull
~/moonraker/scripts/data-path-fix.sh -a moonraker-1 -d ~/printer_1_data -c ~/klipper_config/printer_1/moonraker.conf -l ~/klipper_logs/moonraker-1.log -m
~/.moonraker_database_1
```

seanol69 commented on Oct 22

Tried it, no errors when running script. When mainsail restarted I have the following error:

Moonraker warning
Failed to link subfolder 'database' to '/home/pi/.moonraker_database'. 'database' already exists and is linked to /home/pi/printer_1_data/database. This conflict requires manual resolution.

I do have access to config files now but read only. It must be loading from an old back up because I see timelapse in there and I have not used that in a couple months.

[moonraker-1.log](#)

Arksine commented on Oct 22

Owner Author

Is there anything in `~/.moonraker_database` ? It probably shouldn't be there when multiple instances are installed. Just in case, do the following:

```
mv ~/.moonraker_database ~/.moonraker_database_old
sudo service moonraker-1 restart
```

seanol69 commented on Oct 22 • edited ▾

Started up no errors! But config files are read only still and it looks like it is still loading back ups. Do you want me to try printer 2?

Update Manager			
klipper v0.10.0-613-gebc3b0de		UP-TO-DATE	
KlipperScreen v0.2.7-11-g1332045		UP-TO-DATE	
moonraker v0.7.1-743-g4c963de		UP-TO-DATE	
timelapse ?/? : ?		INVALID	
mainsail ?		UNKNOWN	
System OS-Packages		UP-TO-DATE	

[moonraker-1.log](#)

Arksine commented on Oct 22

OwnerAuthor

If you refresh the update manager that should correct itself. Timelapse was loaded previously, it is not there now.

Are you sure config files are read only? There are no errors in the log. Try refreshing those in mainsail as well then attempt to edit one.

If everything is working you can proceed to update instance 2.

```
~/moonraker/scripts/data-path-fix.sh -a moonraker-2 -d ~/printer_2_data -c ~/klipper_config/printer_2/moonraker.conf -l ~/klipper_logs/moonraker-2.log -m  
~/moonraker_database_2
```

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seanol69 commented on Oct 22

Refreshed everything and both are working! I can't tell you how much I appreciate you spending time on this, I am sure you are very busy and I know this is free.

I attached the logs just in case.

[moonraker-1.log](#)
[moonraker-2.log](#)

- KwadFan added a commit to mainsail-crew/MainsailOS that referenced this issue on Oct 22

chore: update moonraker module ...

4ea1a35
- KwadFan mentioned this issue on Oct 22

chore: update modules according to path changes mainsail-crew/MainsailOS#166

Merged
- KwadFan added a commit to mainsail-crew/sonar that referenced this issue on Oct 23

chore: update installer ...

88c85ae
- This was referenced on Oct 23

chore: update installer mainsail-crew/sonar#5

Merged

 Closed

CODeRUS commented on Oct 27

@Arksine is it possible to use some sort of substitution inside config file to reference data path? For example `{data_path}` which will be expanded to `/home/user/printer_data`

 KwadFan added a commit to mainsail-crew/MainsailOS that referenced this issue on Oct 29

 chore: update moonraker module ...

2b2fa6e

dsloyer74 commented on Nov 1 • edited ▾

I installed Klipper, Moonraker, Fluidd, KlipperScreen, and Obico for Klipper via KIAUH (Klipper Installation and Update Helper)

I updated OS and all apps to current. After this I received the alert that

"Folder/Path configuration change

UPDATE 10/15/2022:

Oct 3, 2022 5:35 AM

"
The link associated with that alert brought me to this page.

after running
cd ~/moonraker
git pull
./scripts/data-path-fix.sh

I am receiving the error "Klippy not connected". I have not had this error previously and my MCU config is correct.
Fluidd interface was working prior to running the script data-path-fix.sh. I cannot upload klippy.log because when I attempt to download it from Fluidd interface > I get the error
"Failed - No File"


Arksine commented on Nov 1

Owner Author

@CODeRUS Not currently, however I'm not sure how that would be useful. There shouldn't be any more paths in `moonraker.conf` 's configuration.

@dsloyer74 This announcement applies to legacy (pre-existing) installs. You have a new installation, it its likely that `data-path-fix.sh` made a change that broke your installation.
You should be able to recover by reinstalling with KIAUH.

I'm going to close this announcement to avoid confusion going forward.

 Arksine closed this as completed on Nov 1

CODeRUS commented on Nov 1

@Arksine kiauh is placing klipper uds inside printer_data/comms folder, so that would be useful just to have such a placeholder in config

moccor commented on Nov 2

I just did a fresh install of Klipper and copied configs over, I logged into the notification that popped up, as well as entered the command at the top of this page. But it still doesn't show any configs. Anyone know the fix?

CODeRUS commented on Nov 2

@moccor use <https://github.com/th33xitus/kiauh>

moccor commented on Nov 3

@moccor use <https://github.com/th33xitus/kiauh>

I guess I needed to shutdown and restart the Pi, thanks for the info

 This was referenced on Nov 3

Latest update completely broke Fluid UI #540

 Closed

Unable to connect MCU #541

 Closed

Machine-Dynamics commented on Nov 11

I just did a fresh install of Klipper, Moonraker, and Fluid UI using Kiauh on Raspberry Pi OS lite. I'm getting the virtual SD card path error, but when I try to run the repair script I get the following error.

Error: unable to find config: /home/pi/klipper_config/moonraker.conf

Looking at the folder structure in WinSCP, I found moonraker.conf under home/pi/printer_data/config/moonraker.conf. Is there another version of the repair script that can fix this?

ahmedbadran732... commented on Nov 12

@Machine-Dynamics
Did u Try this

cd ~/moonraker
git pull
./scripts/data-path-fix.sh


Arksine commented on Nov 12


OwnerAuthor



The data-path-fix.sh script should not be run on new installations. KIAUH should install things correctly, there is no need to symlink the old folders.

Machine-Dynamics commented on Nov 12


I'm an idiot. When I set this printer up, I copied over my previous config file that I'd already written. When I got this error, the very first thing I tried was adding the [virtual_sdcard] path suggested by the error to my config file, but I forgot to delete the previous path that already existed further down in the config.



 KwadFan added a commit to mainsail-crew/MainsailOS that referenced this issue last month

 chore: update modules according to path changes (#166) ... ✓ e5943af


  terrapi mentioned this issue 2 weeks ago

New Moonraker default file locations moggieuk/ERCF-Software-V3#3

 Closed

  KwadFan mentioned this issue last week

Error: 401 "Unauthorized" When attempting to download config files. mainsail-crew/MainsailOS#176

 Closed

Assignees

No one assigned

Labels

announcement critical

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

25 participants

