

Git Credential Troubleshooting in RStudio

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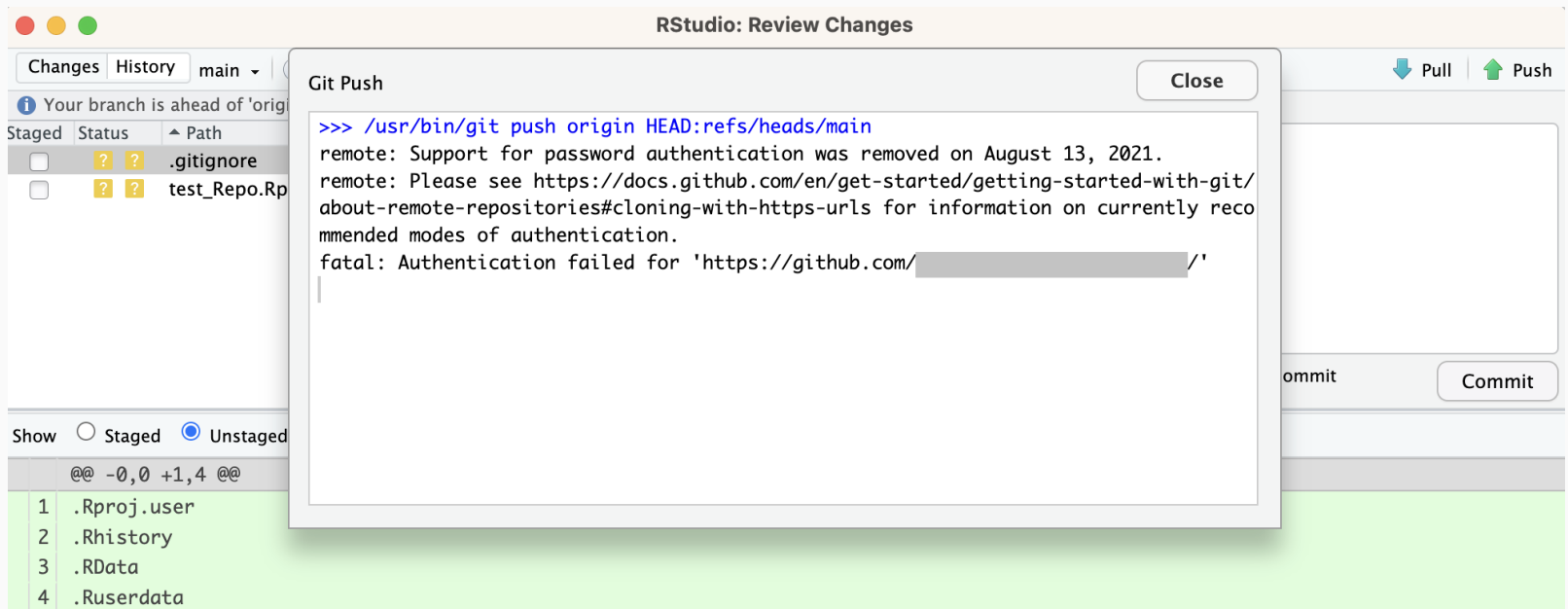
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Do you get a password authentication error when trying to push to GitHub from RStudio?



Troubleshooting Steps

To begin, install the `usethis` package:

```
pacman:p_load(usethis)
```

```
# or:
```

```
# install.packages("usethis")
```

```
# followed by
```

```
# library(usethis)
```

Troubleshooting Steps

Next, run the following:

```
library("usethis")  
git_sitrep()
```

View the output: do you see any Xs or lines saying "lacks recommended scopes", "error", or "can't retrieve"?

Create a Personal Access Token (PAT)

To fix these errors, we'll create a **Personal Access Token (PAT)** on GitHub.

The below code will open a browser window - follow the steps to create a PAT

```
usethis::create_github_token()
```

New personal access token (classic)

Personal access tokens (classic) function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

Note

DESCRIBE THE TOKEN'S USE CASE

What's this token for?

Expiration *

No expiration  The token will never expire!

GitHub strongly recommends that you set an expiration date for your token to help keep your information secure.

[Learn more](#)

Select scopes

Scopes define the access for personal tokens. [Read more about OAuth scopes](#).

- | | |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> repo | Full control of private repositories |
| <input checked="" type="checkbox"/> repo:status | Access commit status |

Add a PAT to RStudio

Back in RStudio, run

```
gitcreds::gitcreds_set()
```

Follow the prompts to add/replace existing credentials, pasting in the PAT.

Check PAT

Once added, run `git_sitrep` one last time to verify.

If all looks good, try pushing again!

```
> git_sitrep()
Git config (global)
• Name: 'James Sears'
• Email: 'james.sears.m@gmail.com'
• Global (user-level) gitignore file: <unset>
• Vaccinated: FALSE
i See `?git_vaccinate` to learn more
• Default Git protocol: 'https'
• Default initial branch name: 'master'
GitHub
• Default GitHub host: 'https://github.com'
• Personal access token for 'https://github.com': '<discovered>'
• GitHub user: 'searsjm'
• Token scopes: 'gist, repo, user, workflow'
• Email(s): 'james.sears.m@gmail.com (primary)', 'searsja1@msu.edu'
Git repo for current project
i No active usethis project
>
```