Error message 'Authentication failed on the git remote'

Asked 9 years, 6 months ago   Modified 2 years ago   Viewed 153k times

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I'm trying to push, pull, and whatever to my GitHub repository from Visual Studio Code.

I enter my username and password, but I'm getting the error:

> Authentication failed on the git remote.

I just logged in on github.com with the same user/password. I tried creating a personal access token, using it as a password, but I got the same error.

visual-studio-code

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edited Nov 22, 2021 at 2:34
Peter Mortensen
31.6k ● 22 ● 110 ● 133

asked Sep 17, 2015 at 20:27
joakim
1,752 ● 1 ● 14 ● 23

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try to commit from command line and see if it works or not. If it does, then your VSCode settings might have issues. – user2185573 Sep 17, 2015 at 20:30

Not sure how to use the command line. It's a fresh installation of VSCode and Git. I'm able to use the GitHub official windows client. – joakim Sep 17, 2015 at 21:04 ✏️

Download a client like Git Bash first. Use that as a replacement. Check out the git bash column in git-for-windows.github.io. This would allow you to run this command : git push origin master – user2185573 Sep 17, 2015 at 21:09

`git push origin master` from command line works fine. I allowed VSCode in Windows firewall. I'm not behind a proxy. Still it won't work. – joakim Sep 17, 2015 at 23:00 ✏️

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1 Same here. Credentials work with command line, but not with VS Code. – Prabhu Dec 3, 2015 at 16:34

9 Answers

Sorted by: Highest score (default) ⇅

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I believe I have found a solution to this problem. None of the solutions above worked for me. I think the root cause of this issue is that GitHub has ended support for password authentication on August 13, 2021. Instead a personal access token needs to be used.

The steps to solve this issue are as follows:

1. Create a personal access token on GitHub.com. Tutorial here

2. Go back to Visual Studio Code and open terminal. Type in the following command with your own user information:

```
git remote set-url origin https://<TOKEN>@github.com/<user_name or
organization_name>/<repo_name>.git
```

In case you would like to follow a video guide, this one proved to be quite helpful.

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edited May 19, 2022 at 3:46
Meena Chaudhary
10.7k ● 16 ● 67 ● 102

answered Oct 15, 2021 at 23:35
aleksejjj
1,565 ● 2 ● 18 ● 29

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1   Thx, this solution solved the issue! – Valentoni Nov 16, 2021 at 21:07

1   This should be the accepted answer since it is not Windows specific. – Dennis Bauszus Nov 17, 2021 at 15:10

The video helps if just the command is not cutting it for you – Martijn Nov 18, 2021 at 12:12

doesn't seems working – Suroor Ahmmad Nov 20, 2021 at 18:25

git remote set-url origin https://<user_name>@github.com/<repo_name>.git and windows credential manager should ask for your password, provide your token for the password. – ok4 Jan 21, 2022 at 12:00

I solved it by following *Caching your GitHub password in Git*.

The steps are as follows:

65

1. Download and install Git for Windows

2. Run Git Bash, 'cd' to the repository directory and enter `git config --global credential.helper wincred`

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edited Nov 22, 2021 at 2:37
Peter Mortensen
31.6k ● 22 ● 110 ● 133

answered Sep 17, 2015 at 23:14
joakim
1,752 ● 1 ● 14 ● 23

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3   Fixed my issue with not being able to commit to private repo. – Rasmus-E Oct 26, 2015 at 8:50

I tried this but it didn't work. Any other means of getting it to work? – aleksejjj Oct 15, 2021 at 18:58

Didn't work for me. – Judah Gabriel Himango Nov 15, 2021 at 22:19

It happened to me after GitHub changed its policy on 13 August 2021 to authenticate using a personal access token (PAT) instead of a password.

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I did these steps for myself. I am on [Lubuntu](#) 20.04.

1. Created `.gitconfig` in my home directory and added the following

```
[user]
    name = {your github username}
    email = {your email}
[credential]
    helper = store --file ~/.git-credentials
```

2. Created `.git-credentials` in my home directory as you can see above and added the following

```
https://{your github username}:{your github PAT}@github.com
```

3. Final step: Restart your terminal and voilà! Try to commit/push/pull in an existing Visual Studio Code Git folder and everything will work as before.

Security Issue

Your personal access token (PAT) will be exposed as clear ASCII text and can be read if anyone has access to your user account.

Share Improve this answer Follow   edited Dec 21, 2021 at 15:19   answered Nov 15, 2021 at 11:16

Uday
71 ● 1 ● 10

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1 Using Elementary OS Odin, your solution worked perfectly for VSCode integration, just restarted VSCode, and boom! Thanks! – Bus42 Nov 16, 2021 at 3:17

Re *"public access token"*: Don't you mean "***personal* access token**"? – Peter Mortensen Nov 22, 2021 at 2:47 ✎

Worked perfect on Ubuntu 22.04, many thanks dude! – NenchoDM Aug 28, 2022 at 8:23

Worked for me as well on Pop!_OS v22.04. Thanks. – EmmanCanVaz_95 Aug 31, 2023 at 19:21
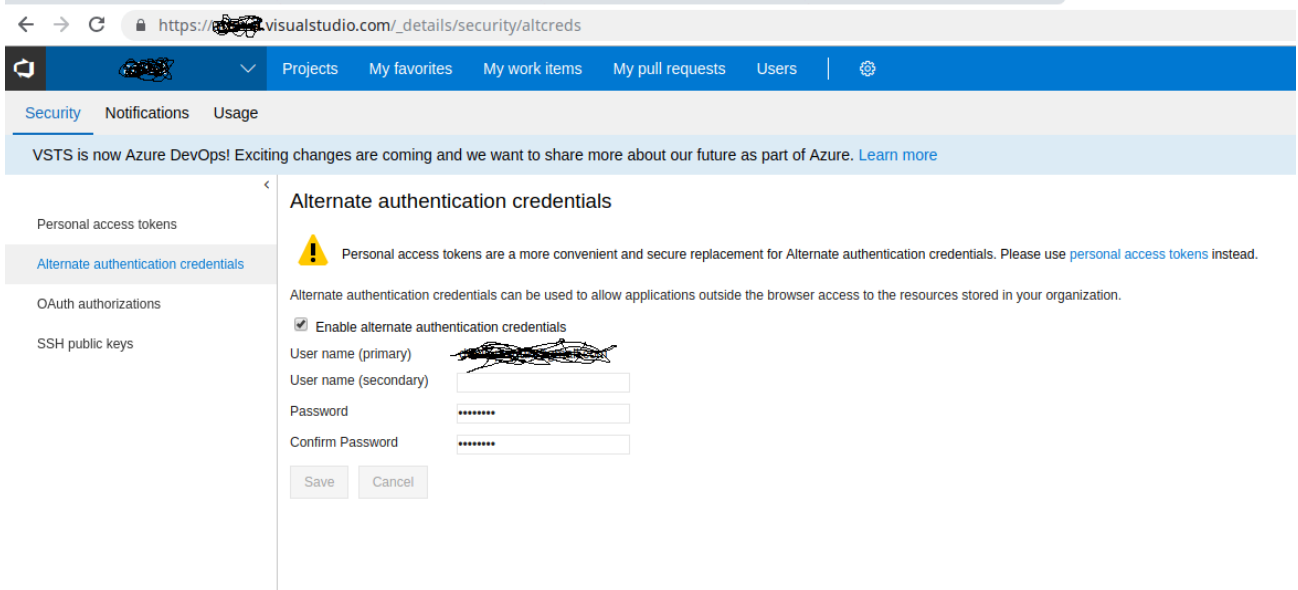

I had the same issue with my Visual Studio Code on Linux cloning a Visual Studio Git repository.

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It was Solved by setting up the *Alternate Authentication Settings* under security settings on {your-account}.visualstudio.com

Screenshot:

← → C 🔒 https://━━━━visualstudio.com/_details/security/altcreds

⬡   ━━━   ∨   Projects   My favorites   My work items   My pull requests   Users | ⚙

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Alternate authentication credentials

Personal access tokens

Alternate authentication credentials

OAuth authorizations

SSH public keys

⚠ Personal access tokens are a more convenient and secure replacement for Alternate authentication credentials. Please use personal access tokens instead.

Alternate authentication credentials can be used to allow applications outside the browser access to the resources stored in your organization.

☑ Enable alternate authentication credentials

User name (primary)   ━━━━━━━━━

User name (secondary)   [   ]

Password   [••••••••]

Confirm Password   [••••••••]

[Save] [Cancel]

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edited Nov 22, 2021 at 2:38   answered Sep 23, 2018 at 16:24

Peter Mortensen   ADM-IT
31.6k ● 22 ● 110 ● 133   **4,220** ● 1 ● 31 ● 30

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Git stopped using account password for code push, instead generate 'personal access token' from git account and use the same as password for code push. It absolutely worked for me to resolve this error.

Note : Git doesn't store 'personal access token', so copy it in your file/machine for future/multiple use.

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answered Mar 20, 2023 at 18:28

Jyo the Whiff
849 ● 2 ● 9 ● 24

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git remote set-url origin https://USUARIO:SENHA@bitbucket.org/URL.git

worked for me!

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answered Nov 19, 2021 at 15:38

ivonildo bispo santos
29 ● 2

4   This has already been mentioned in the other answers. *When answering older questions that already have answers, please make sure you provide either a novel solution or a significantly better explanation than existing answers.* – Eric Aya Nov 19, 2021 at 16:41

Configure VS Code Github authentication using Github CLI, gh.

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1. Download and install gh here

2. After installation, open vs code terminal and login to github with `gh auth login`

3. You'll be prompted to choose an authentication method. Available authentication methods are password and personal access token. I'd recommend using a personal access token because your authentication details will be stored in plain text on your local machine. Here is a tutorial on creating a personal access token. You can then generate a personal access token here. Ensure your personal access token have the minimum required scopes `repo`, `read:org`, `workflow`

4. Paste your personal access token and gh will handle the rest.

If you've gone through the above steps before but your personal access token has expired, you can simply generate another personal access token and paste inside the `/home/<user>/.config/gh/hosts.yml` file. Note that this file path is for linux/MAC users. Windows users should be able to locate similar path in their filesystem.

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answered Aug 31, 2022 at 19:32

Ercross
656 ● 11 ● 18

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In case of using VSCode git graph's buttons that result in message error like this: `Unauthorized fatal: Authentication failed ... unable to fetch from remote(s)`

This worked for me:

1. git remote set-url origin "<the git you want to clone/pull/fetch>.git"

2. Enter your email & password in VSCode pop-ups

3. Now you can use git graph or cmd normally again

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answered Nov 22, 2022 at 4:07

wimblywombly
71 ● 1 ● 7

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I faced a similar problem. I was coding in vs code. So, I just tried another terminal to push my code and it works for me!!

Share   Improve this answer   Follow   edited Dec 3, 2022 at 17:52

answered Nov 24, 2022 at 17:22

U   Umme Habiba
19 ● 4

Your answer could be improved with additional supporting information. Please edit to add further details, such as citations or documentation, so that others can confirm that your answer is correct. You can find more information on how to write good answers in the help center. – Community Bot Dec 2, 2022 at 13:22

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