

# Reassign GitLab Runners to corresponding sub-group or application repository

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## Overview

<b>Platform:</b>	<b>Azure, GitLab Runners</b>
<b>Owner of this SOP:</b>	Cloud Factory SRE Team
<b>Cloud Services:</b>	Application GitLab Runners
<b>Related Problem Ticket:</b>	PRB0060861

## Problem

There have been reports of GitLab Pipeline unable to execute due to GitLab (GL) Runner being un-assigned from the repository. The following steps will re-assign the GitLab Runners.

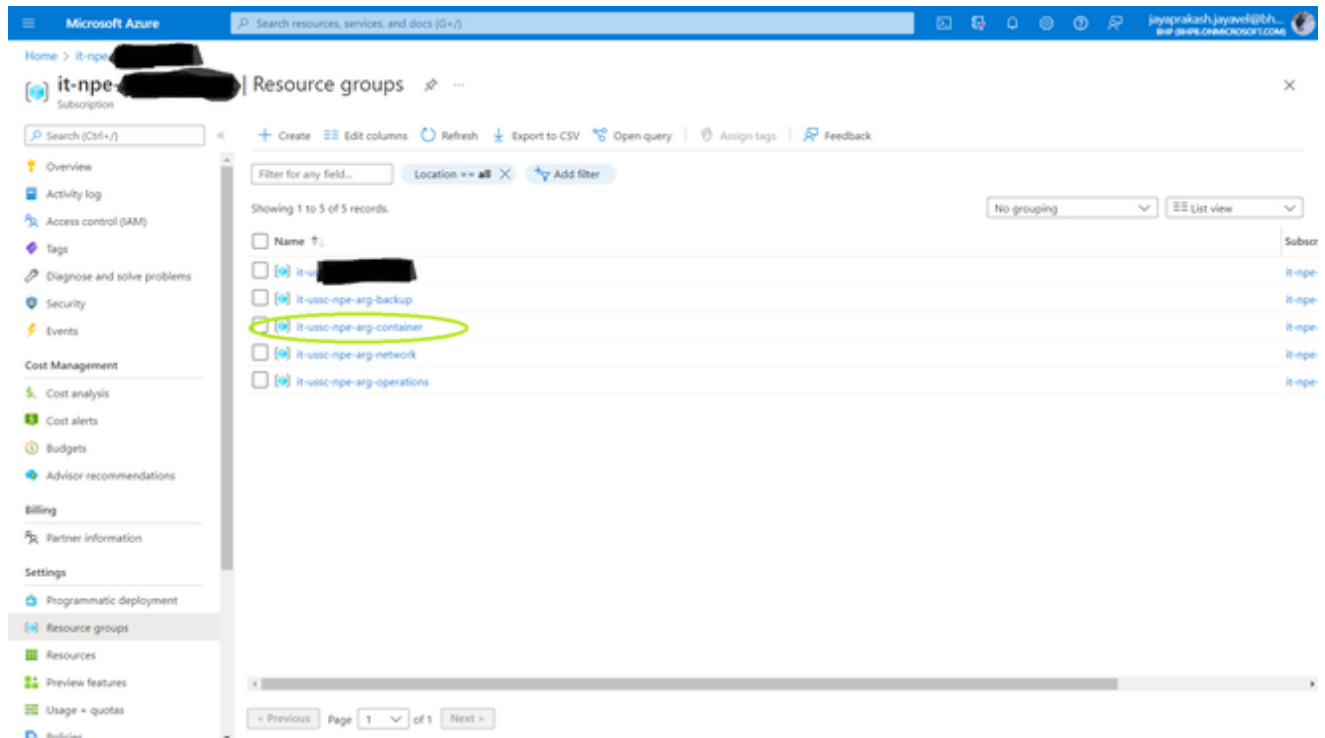
The application GL runners are not available in application sub-groups or individual repos under azure-apps. The application pipelines will be stuck without the GL runners configured in gitlab-ci.yml.

### IDENTIFYING THE ISSUE:

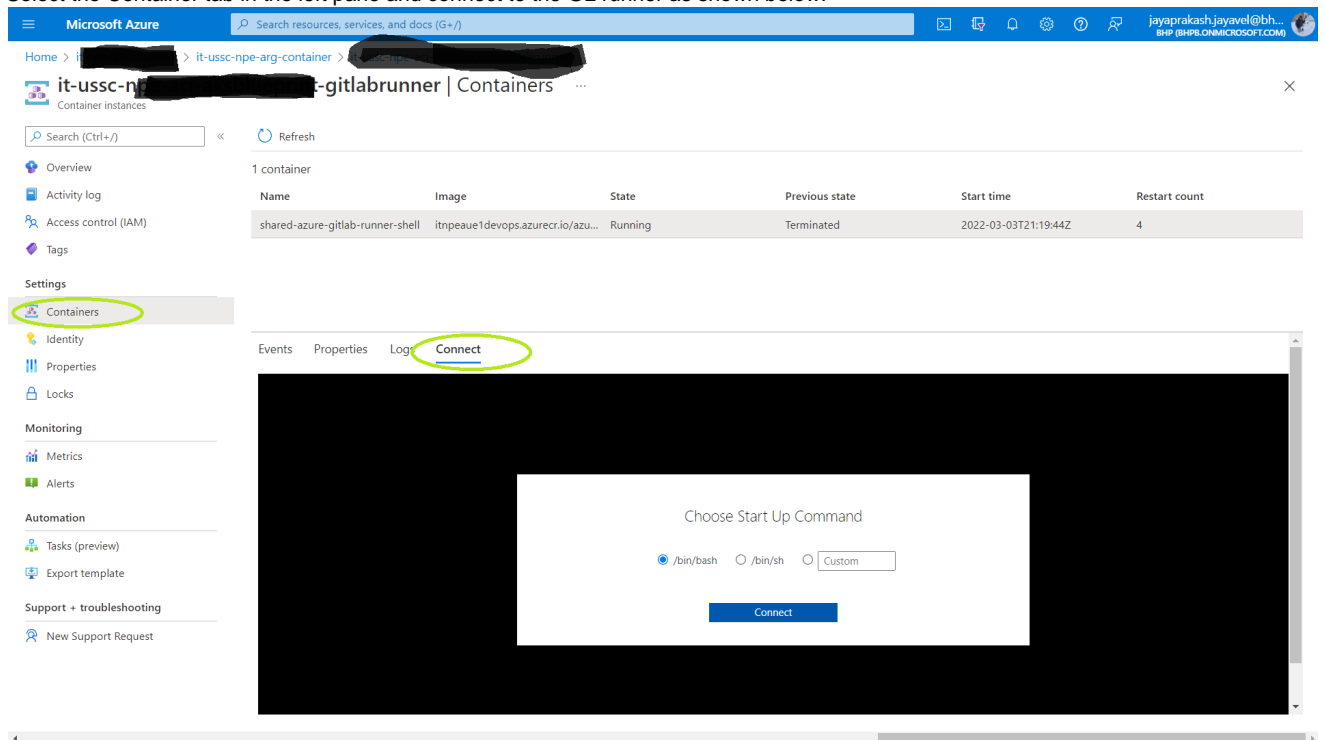
1. Check if your application pipeline is stuck due to unavailability of the GL runner configured in the gitlab-ci.yml.
2. Check status of the runner by navigating through Settings CI/CD Runners. Expand the Runners tab and see if the GL runner provisioned for the application group is available with the tag configured in gitlab-ci.yml.
3. If you are unable to find the GitLab runner in the specific repository, please also check the top-group. The GitLab runner might be associated at the group level. (Example: <https://gitlab.com/bhp-cloudfactory/group1/app1>; check both group1 settings and app1 settings).
4. If the same is not available, you will need to proceed with the below mentioned steps to re-establish the GitLab runner at the repo or the sub-group as applicable.

## Solution

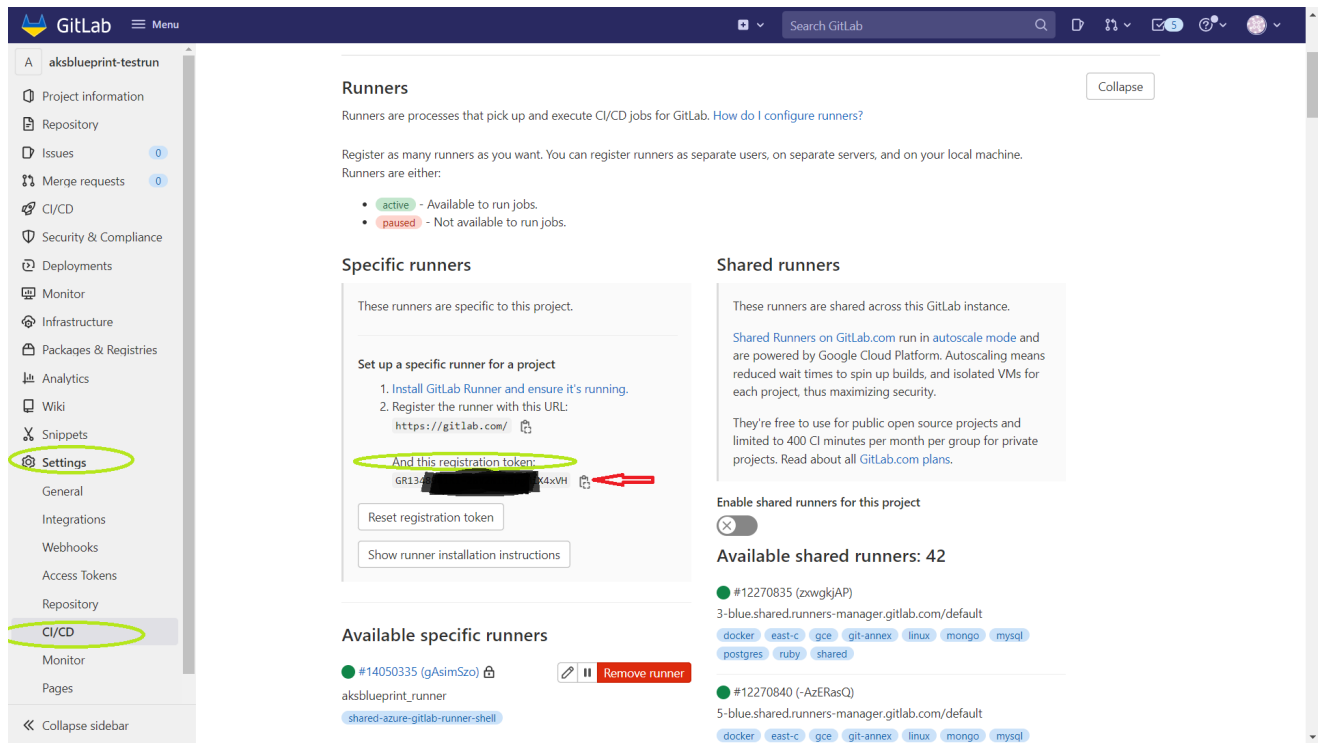
1. Login to Azure portal
2. Identify the runner which is created under the container resource group in your subscription
- 3.



4. Select the runner under the container resource group.
5. Select the Container tab in the left pane and connect to the GL runner as shown below.



6. Select the mode as /bin/bash and connect
7. Execute "gitlab-runner register" in the command prompt
8. Enter "https://gitlab.com" for the Gitlab instance url.
9. Enter the registration token which can be retrieved from the Settings CI/CD Runners from the gitlab repo.



**Runners**

Runners are processes that pick up and execute CI/CD jobs for GitLab. [How do I configure runners?](#)

Register as many runners as you want. You can register runners as separate users, on separate servers, and on your local machine. Runners are either:

- **active** - Available to run jobs.
- **paused** - Not available to run jobs.

**Specific runners**

These runners are specific to this project.

**Set up a specific runner for a project**

1. Install [GitLab Runner](#) and ensure it's running.
2. Register the runner with this URL: <https://gitlab.com/>

And this registration token: **GR134...**

**Shared runners**

These runners are shared across this GitLab instance.

[Shared Runners on GitLab.com](#) run in **autoscale mode** and are powered by Google Cloud Platform. Autoscaling means reduced wait times to spin up builds, and isolated VMs for each project, thus maximizing security.

They're free to use for public open source projects and limited to 400 CI minutes per month per group for private projects. Read about all [GitLab.com plans](#).

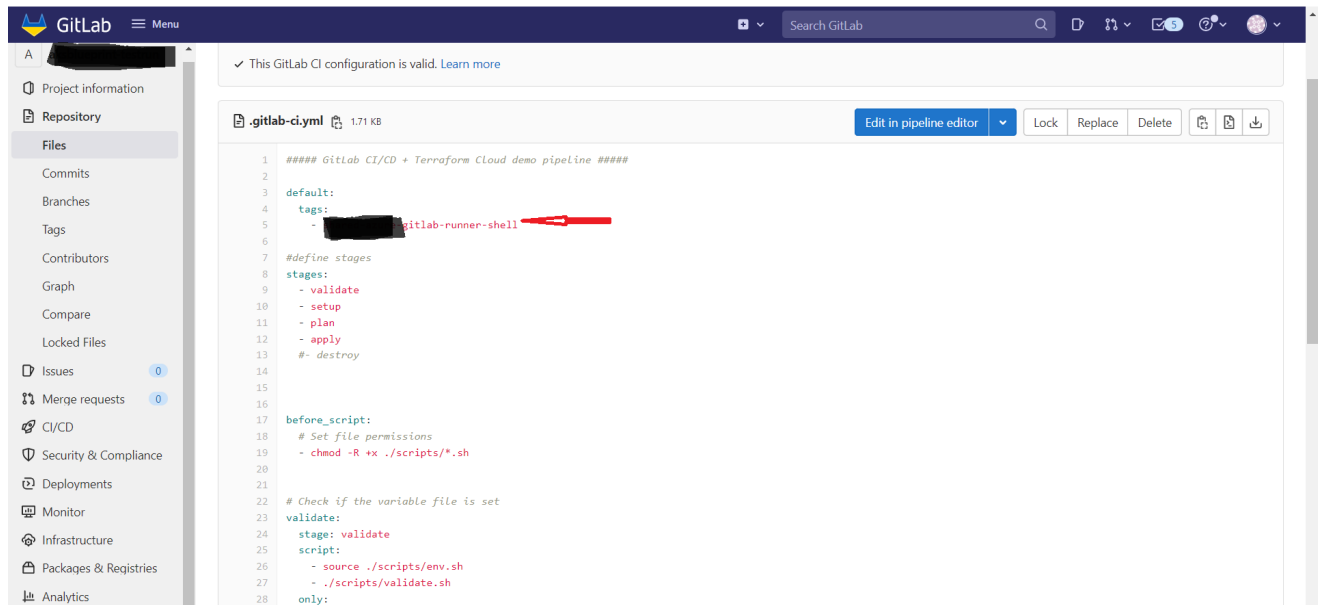
**Enable shared runners for this project**

☒

**Available shared runners: 42**

- #12270835 (zowgkjAP)  
3-blue.shared.runners-manager.gitlab.com/default  
[docker](#) [east-c](#) [gce](#) [git-annex](#) [linux](#) [mongo](#) [mysql](#) [postgres](#) [ruby](#) [shared](#)
- #12270840 (-AzERasQ)  
5-blue.shared.runners-manager.gitlab.com/default  
[docker](#) [east-c](#) [gce](#) [git-annex](#) [linux](#) [mongo](#) [mysql](#)

10. Provide a description to the runner
11. Enter the tag value that is provided in the gitlab-ci.yml
- 12.



✓ This GitLab CI configuration is valid. [Learn more](#)

**.gitlab-ci.yml** 1.71 KB

[Edit in pipeline editor](#) [Lock](#) [Replace](#) [Delete](#) [Download](#)

```
1 ##### GitLab CI/CD + Terraform Cloud demo pipeline #####
2
3 default:
4   tags:
5     - gitlab-runner-shell
6
7 #define stages
8 stages:
9   - validate
10  - setup
11  - plan
12  - apply
13  #- destroy
14
15
16
17 before_script:
18   # Set file permissions
19   - chmod -R +x ./scripts/*.sh
20
21
22 # Check if the variable file is set
23 validate:
24   stage: validate
25   script:
26     - source ./scripts/env.sh
27     - ./scripts/validate.sh
28 only:
```

```
Events Properties Logs Connect

bash-5.0# gitlab-runner register
Runtime platform arch=amd64 os=linux pid=441 revision=6a42249e version=14.8.1
Running in system-mode.

Enter the GitLab instance URL (for example, https://gitlab.com/):
https://gitlab.com/
Enter the registration token:
GR13 [REDACTED]K4xVH
Enter a description for the runner:
[wk-caas-ca6483d794d24d398a2348e64da88a32-033846d95b4a4a13224c4f]: shared-azure-gitlab-runner
Enter tags for the runner (comma-separated):
shared-azure-gitlab-runner-shell
```

13. Enter the maintenance note if any else press enter
14. Enter "shell" as the executor and you should find the runner registered successfully.

```
Enter tags for the runner (comma-separated):
shared-azure-gitlab-runner-shell
Enter optional maintenance note for the runner:

Registering runner... succeeded runner=GR134894
Enter an executor: docker, ssh, docker+machine, kubernetes, custom, parallels, shell, virtualbox, docker-ssh+machine, docker-ssh:
shell
Runner registered successfully. Feel free to start it, but if it's running already the config should be automatically reloaded!
bash-5.0#
```

15. Please check the status of the GL runner in gitlab repo.
- 16.

Monitor  
Infrastructure  
Packages & Registries  
Analytics  
Wiki  
Snippets  
**Settings**  
General  
Integrations  
Webhooks  
Access Tokens  
Repository  
**CI/CD**  
Monitor  
Pages  
Packages & Registries  
Usage Quotas  
Collapse sidebar

• **available** - Available to run jobs.  
• **paused** - Not available to run jobs.

### Specific runners

These runners are specific to this project.

Set up a specific runner for a project

1. Install GitLab Runner and ensure it's running.
2. Register the runner with this URL:  
<https://gitlab.com/>

And this registration token:  
GR13 [REDACTED]K4xVH

[Reset registration token](#)

[Show runner installation instructions](#)

### Available specific runners

ID	Name	Executor	Status	Actions
#14050335 (gAsimSzo)	[REDACTED]	gitlab-runner-shell	available	<a href="#">Edit</a> <a href="#">Remove runner</a>