Use bcp-generic-gitlab-runner for your application

Introduction

Gitlab runner is required for applications to run CI CD. Gitlab runner currently spins up in Devops AWS Account. With the support of docker executor, gitlab runner can now be shared between different applications. Check the available runners for your project under: `Settings -> CI /CD -> Runners -> Expand -> Group Runners`.

It is recommended that `bcp-generic-gitlab-runner` is used for all the applications since registering a new runner for a single application adds to infrastructure complexity and is cost inefficient.

Below are the steps to register use `bcp-generic-gitlab-runner` for your applications. SRE support would be required for this setup. Please reach out to @ Deepak Kumar Somasekhar (Deactivated) and @ Ayush Tripathi if you have any questions.

Steps

1. Navigate to bcp-generic-gitlab-runner's terraform workspace: https://app.terraform.io/app/mc-estate-infra/workspaces/bcp-generic-gitlab-runner/variables
2. Update the `spoke_aws_accounts` variable to add new spokes. This is exactly similar to the values which are inserted in https://app.terraform.io/app/mc-estate-infra/workspaces/01-estate-base/variables. Just don't specify the `admin_email`
3. **Caution**: Running this workspace will destroy the gitlab runner (bcp-generic-gitlab-runner) and will recreate it **within 2-3 minutes**. Application teams will just see that their jobs are in pending state until the gitlab runner comes back online.
4. Apply the terraform plan after careful review of the resources.
5. Navigate to `application-spoke` terraform workspace, e.g. this or this workspace for `your appplication`.
6. Now update the `gitlab_runner_role_arn` variable to refer to the bcp-generic-gitlab-runner-role. Specify the value as `arn:aws:iam:: 822247890901:role/bcp-generic-gitlab-runner-role`
7. Note that terraform plan should change the ECS Role `module.ecs_cluster.aws_iam_role.main` and add the BCP generic gitlab runner there.
8. Apply the terraform plan after careful review.
9. Use the `bcp-generic-gitlab-runner` in application CICD in `.gitlab-ci.yml` files.
10. Done!

References

1. https://app.terraform.io/app/mc-estate-infra/workspaces/bcp-generic-gitlab-runner/variables