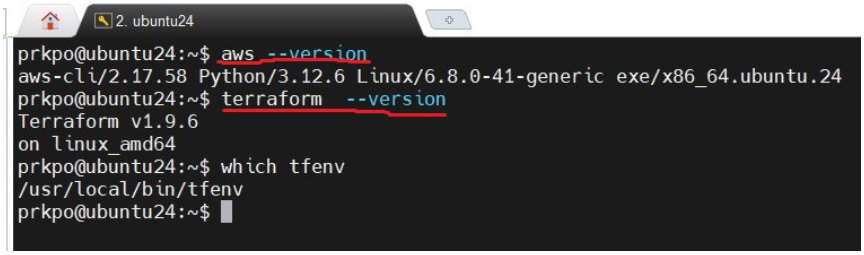
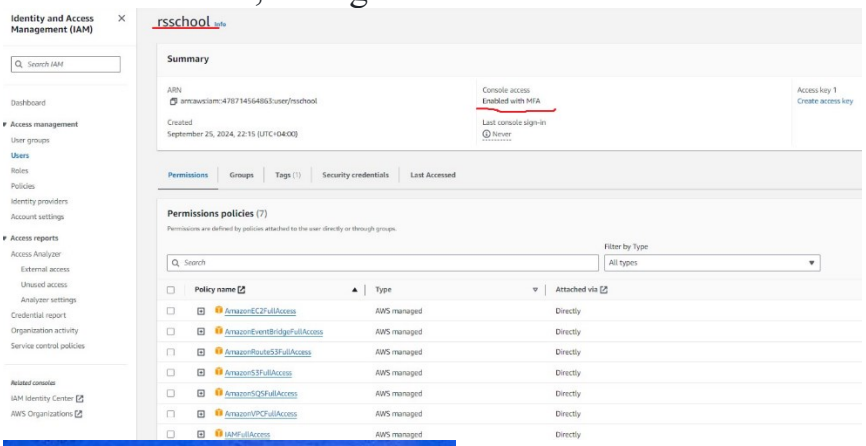
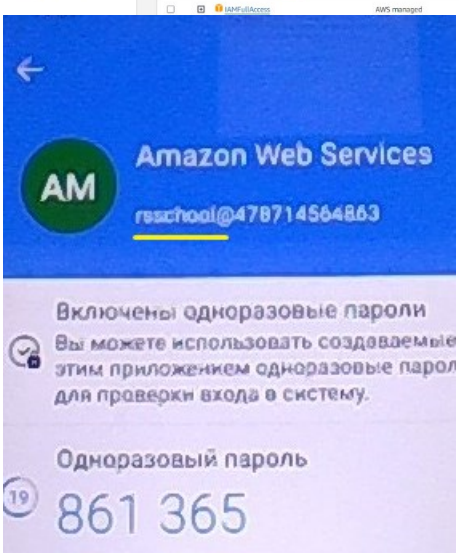
Task 1: AWS Account Configuration

1. Install AWS CLI, Terraform

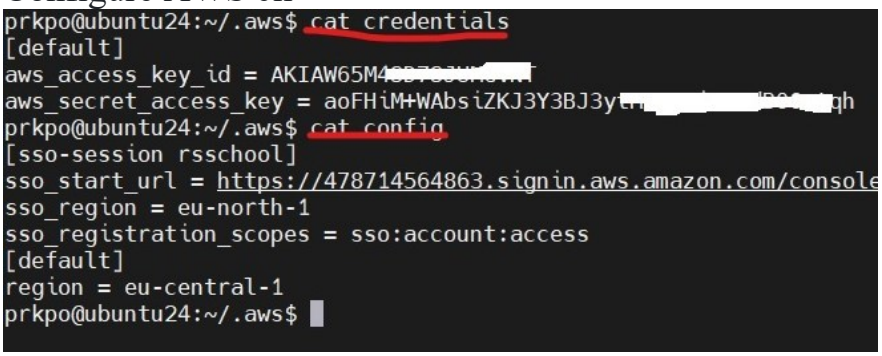


2. Create IAM user, configure MFA



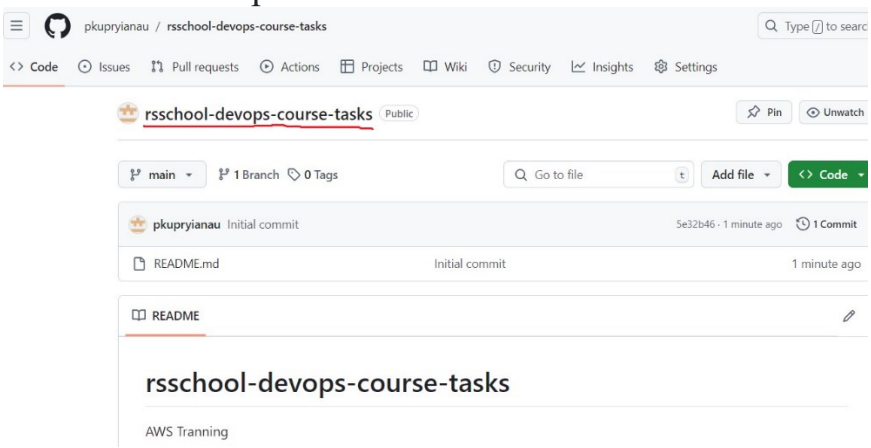


3. Configure AWS cli



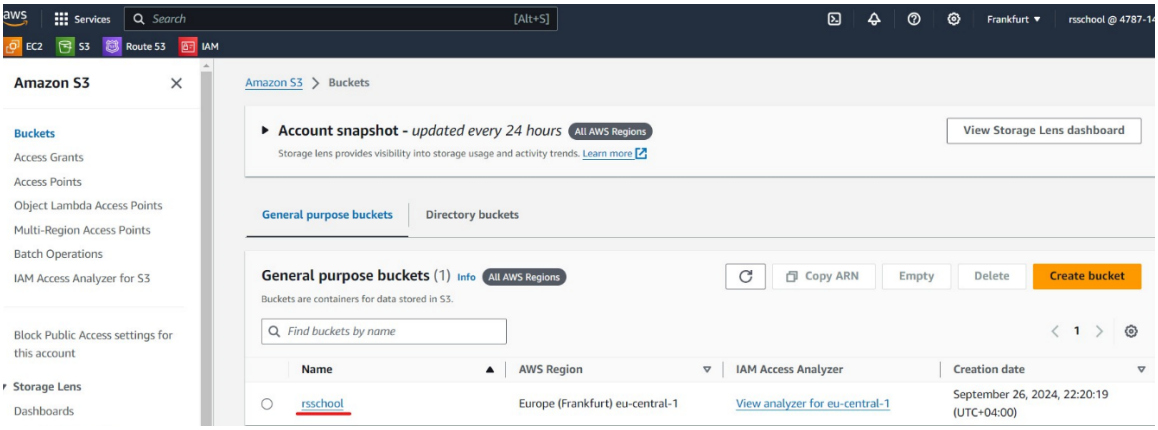
```
2. ubuntu24
prkpo@ubuntu24:~/.aws$
prkpo@ubuntu24:~/.aws$
prkpo@ubuntu24:~/.aws$
prkpo@ubuntu24:~/.aws$ aws ec2 describe-instance-types --instance-types t4g.nano
{
    "InstanceTypes": [
        {
            "InstanceType": "t4g.nano",
            "CurrentGeneration": true,
            "FreeTierEligible": false,
            "SupportedUsageClasses": [
                "on-demand",
                "spot"
            ],
            "SupportedRootDeviceTypes": [
                "ebs"
            ],
            "SupportedVirtualizationTypes": [
                "hvm"
            ],
            "BareMetal": false,
            "Hypervisor": "nitro",
            "ProcessorInfo": {
                "SupportedArchitectures": [
                    "arm64"
                ],
```

4. Create Github repo

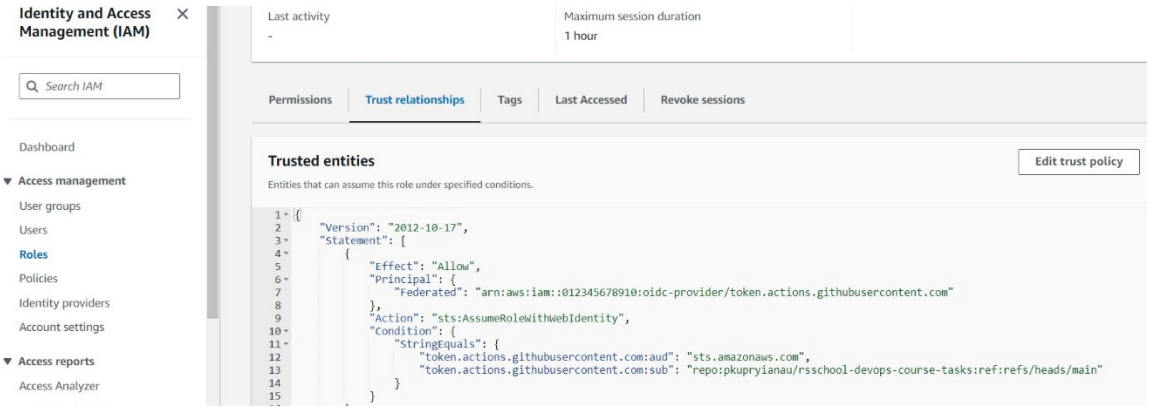


5. Create S3 bucket from terraform

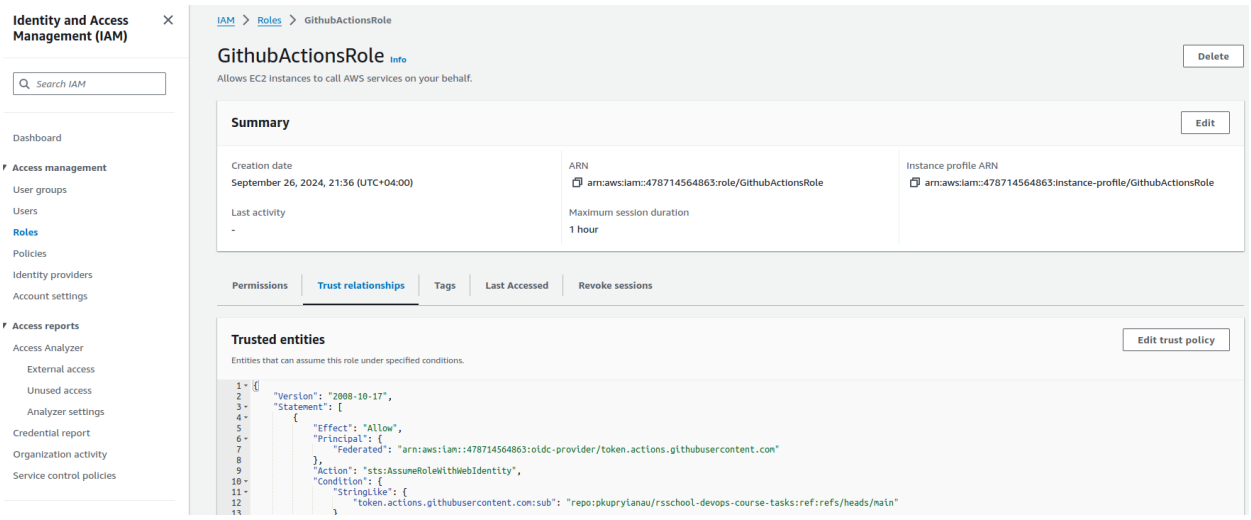
```
prkpo@ubuntu24:~/aws/Task1$
prkpo@ubuntu24:~/aws/Task1$
prkpo@ubuntu24:~/aws/Task1$ terraform fmt
main.tf
prkpo@ubuntu24:~/aws/Task1$
prkpo@ubuntu24:~/aws/Task1$
prkpo@ubuntu24:~/aws/Task1$ terraform validate
Success! The configuration is valid.

prkpo@ubuntu24:~/aws/Task1$
prkpo@ubuntu24:~/aws/Task1$
prkpo@ubuntu24:~/aws/Task1$ cat main.tf
terraform {
  required_providers {
    aws = {
      source  = "hashicorp/aws"
      version = "5.50.0"
    }
  }
}
resource "aws_s3_bucket" "rsschool" {
  bucket = "rsschool"
  tags = {
    Name = "MyS3Bucket"
  }
}
prkpo@ubuntu24:~/aws/Task1$ terraform plan

Terraform used the selected providers to generate the follow
  + create

Terraform will perform the following actions:

  # aws_s3_bucket.rsschool will be created
  + resource "aws_s3_bucket" "rsschool" {
      + acceleration_status         = (known after apply)
```



6. Create IAM role for Github Action

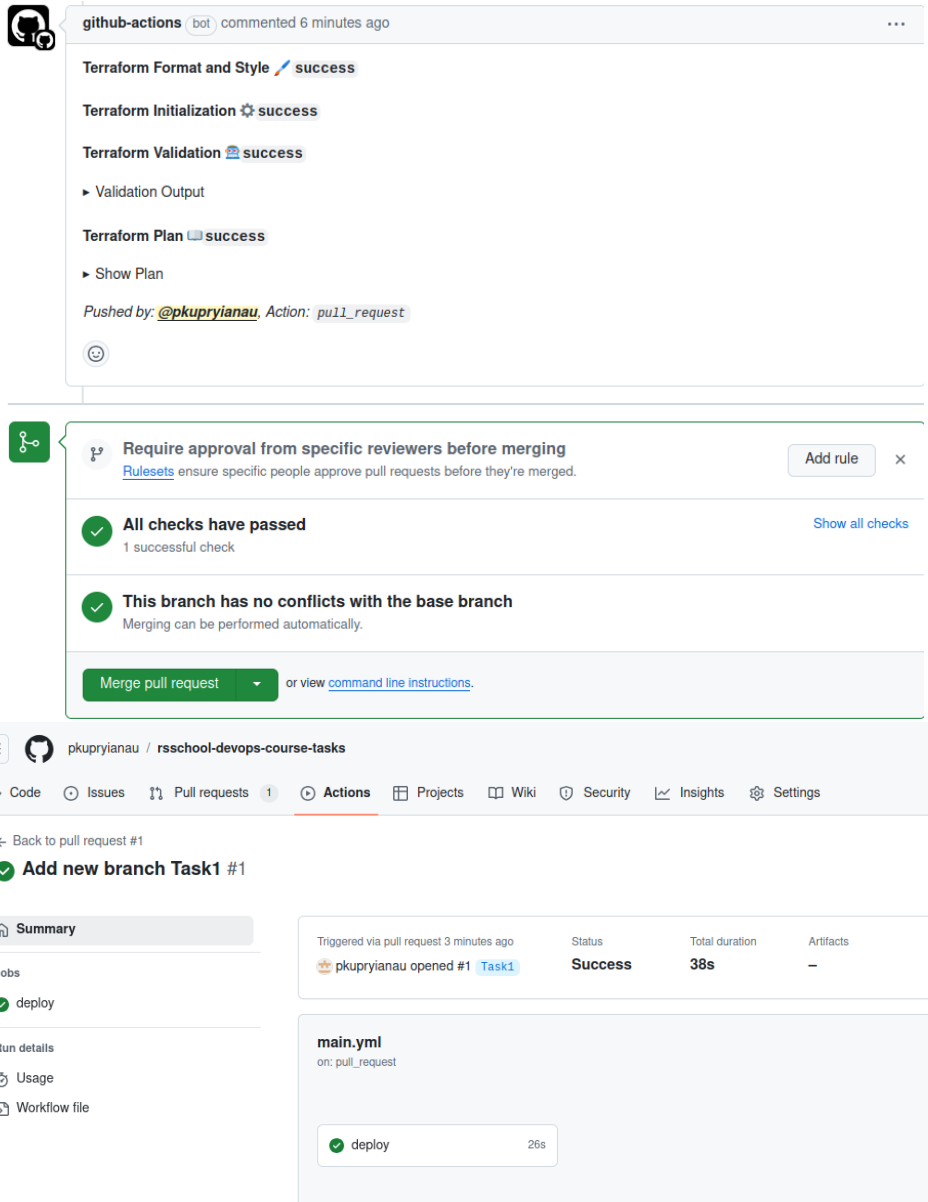


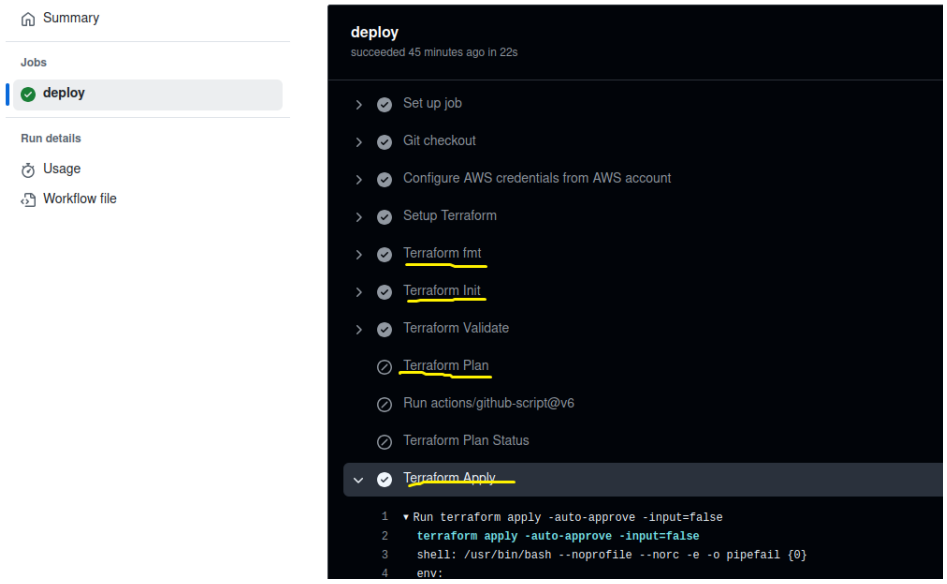
7.Update right for Github Action

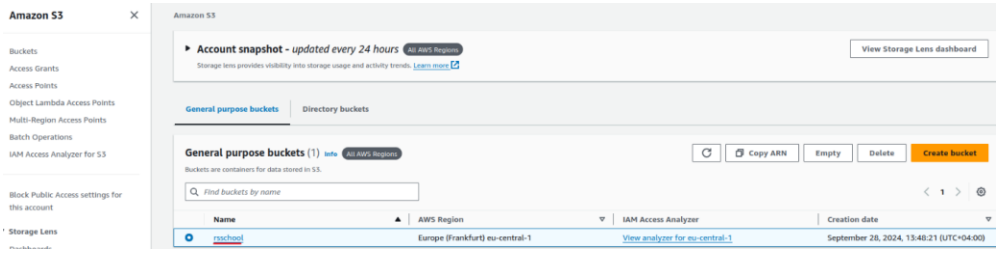


8. Create Github Action

```
prkpo@ubuntu24:~/aws/Task1/rsschool-devops-course-tasks$
prkpo@ubuntu24:~/aws/Task1/rsschool-devops-course-tasks$
prkpo@ubuntu24:~/aws/Task1/rsschool-devops-course-tasks$
prkpo@ubuntu24:~/aws/Task1/rsschool-devops-course-tasks$ ls -lsa
total 28
4 drwxrwxr-x 4 prkpo prkpo 4096 Sep 28 09:36 .
4 drwxrwxr-x 4 prkpo prkpo 4096 Sep 28 08:14 ..
4 drwxrwxr-x 8 prkpo prkpo 4096 Sep 28 09:41 .git
4 drwxr-xr-x 3 prkpo prkpo 4096 Sep 28 08:32 .github
4 -rw-r--r-- 1 prkpo prkpo  976 Sep 28 08:21 .gitignore
4 -rw-r--r-- 1 prkpo prkpo  217 Sep 28 09:10 main.tf
4 -rw-rw-r-- 1 prkpo prkpo  119 Sep 28 09:36 README.md
prkpo@ubuntu24:~/aws/Task1/rsschool-devops-course-tasks$ git log --oneline
2320728 (HEAD -> Task1) Add README
05766cf Check
0ff22dc Check mistakes
3e4d29c Add new branch Task1
e9c48c2 (origin/main, origin/HEAD, main) First commit
5e32b46 Initial commit
prkpo@ubuntu24:~/aws/Task1/rsschool-devops-course-tasks$
```







Re: [pkupryianau/rsschool-devops-course-tasks] Merge pull request #1 #3) Входящие ×

github-actions[bot] <notifications@github.com>
кому: pkupryianau/rsschool-devops-course-tasks, мне, Mention

Terraform Format and Style 🖌️**success**

Terraform Initialization ⚙️**success**

Terraform Validation 🤖**success**

Validation Output

```
Success! The configuration is valid.
```

Terraform Plan 📖**success**

Show Plan