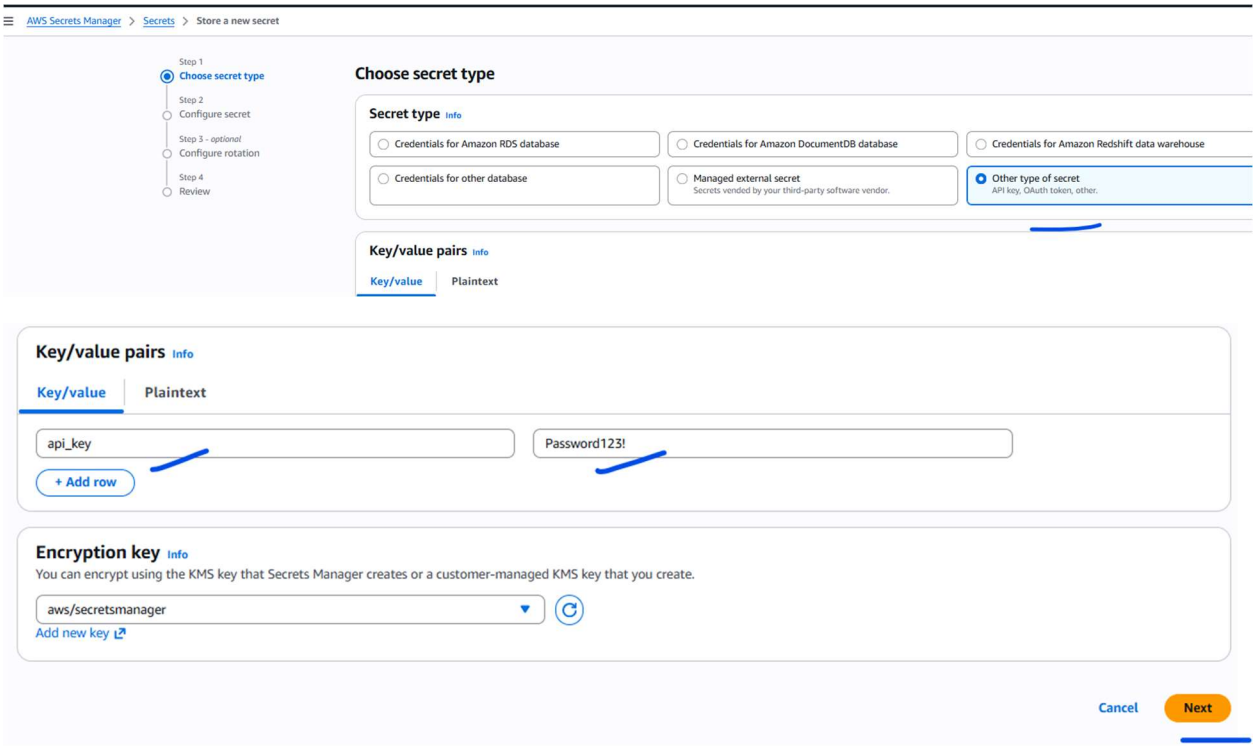
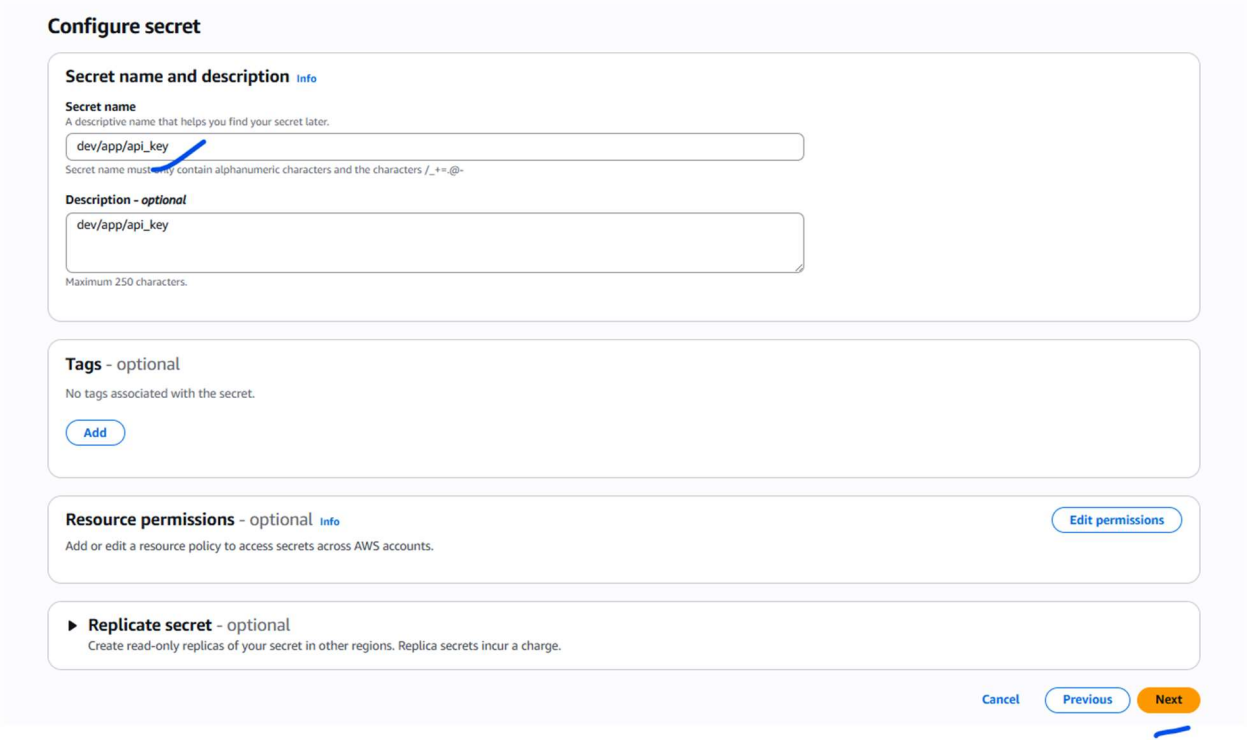
Tf-adv-scretsmgr

Steps

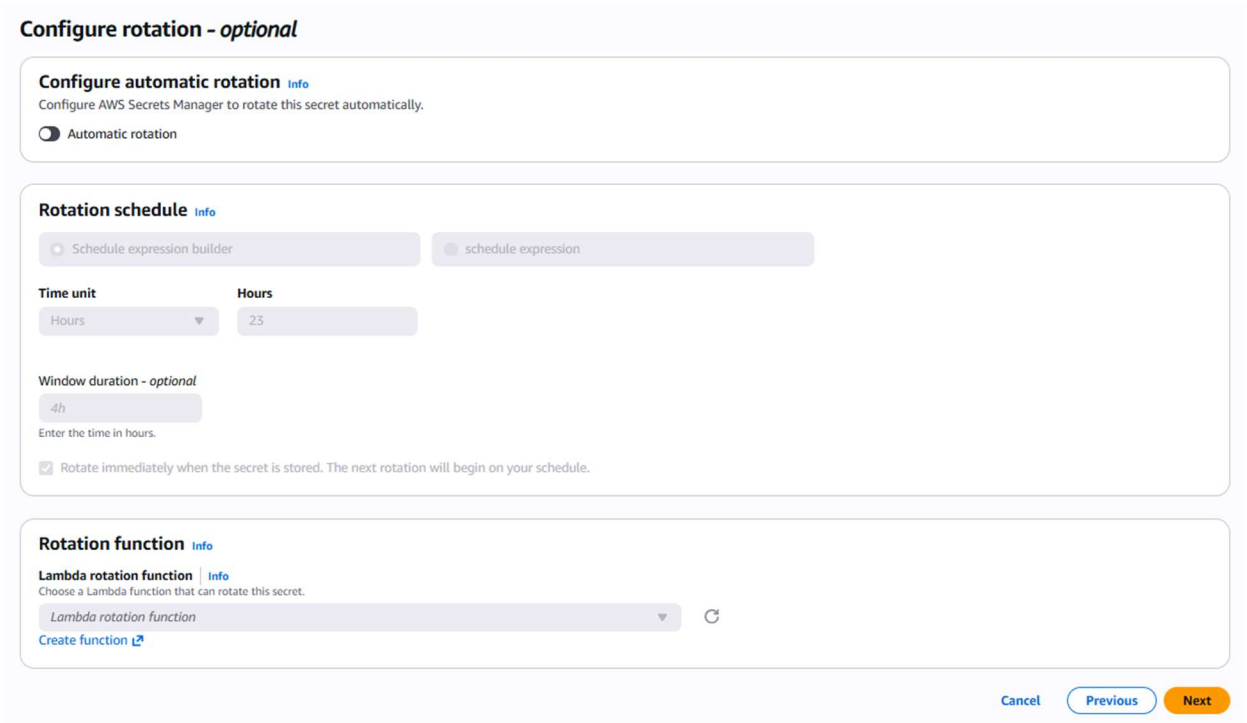
1. Create an secrets mgr on aws
2. Create github repo and clone it locally
3. Copy the lab 3 code to this repo folder
4. Configure the secret mgr name in the tf main file

1. Create an secrets mgr on aws

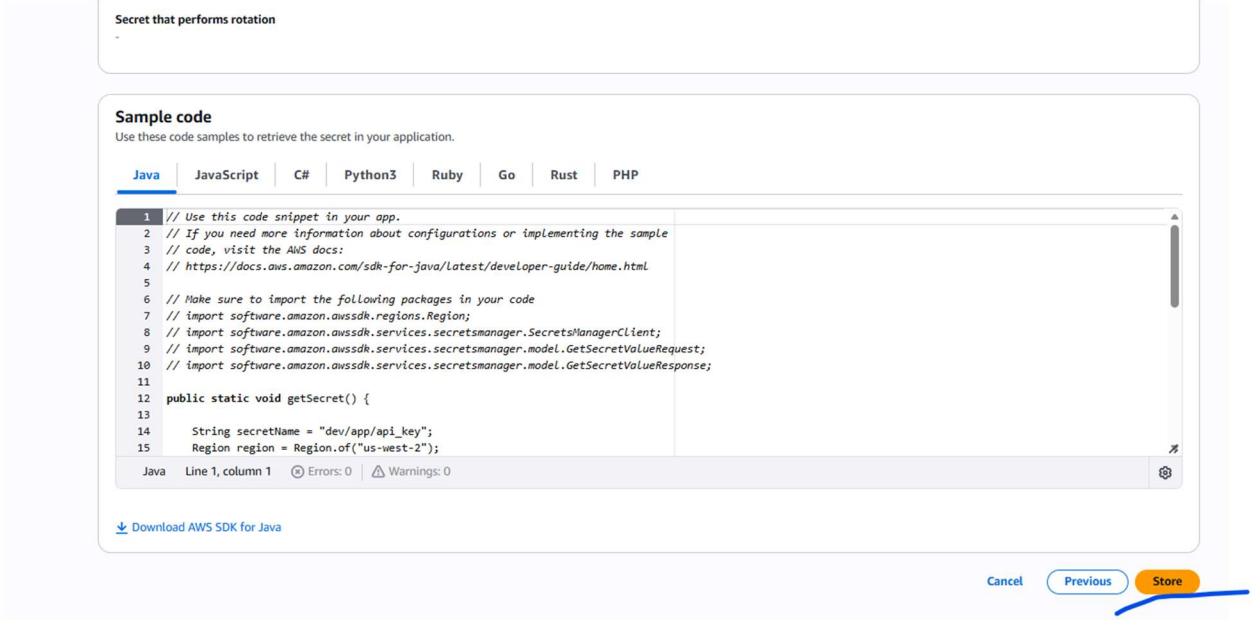




Assign a name -- **dev/app/api_key**

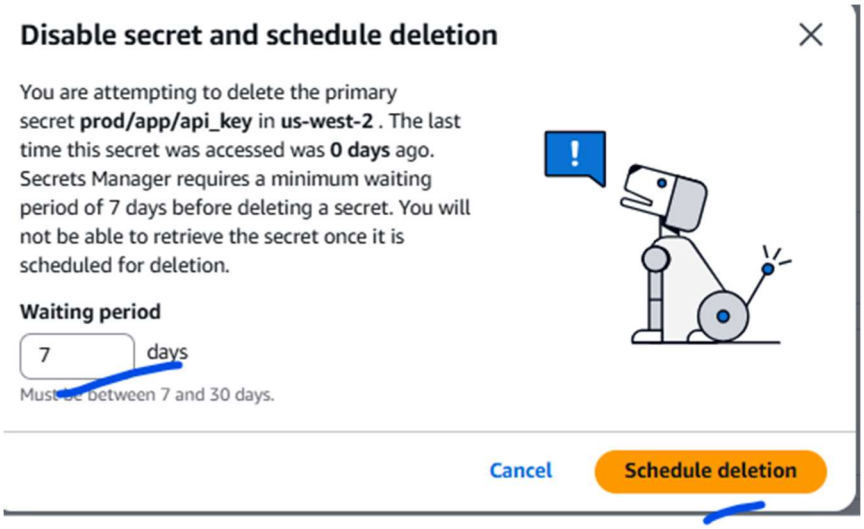


Click next



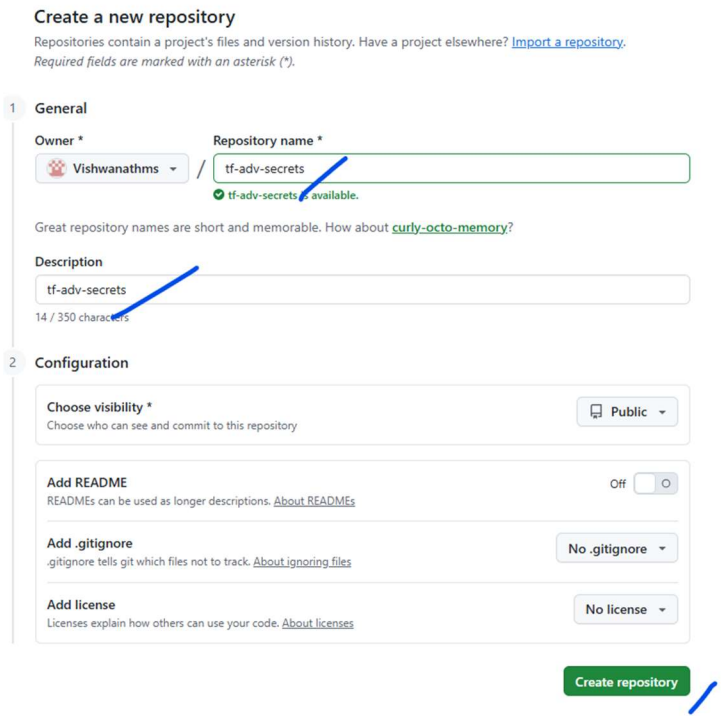
Click on **store**.

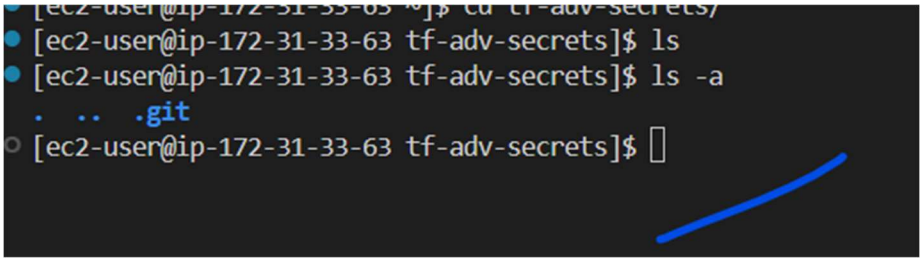
Note: -- Delete details.



Deleting the secrets is min of 7 days

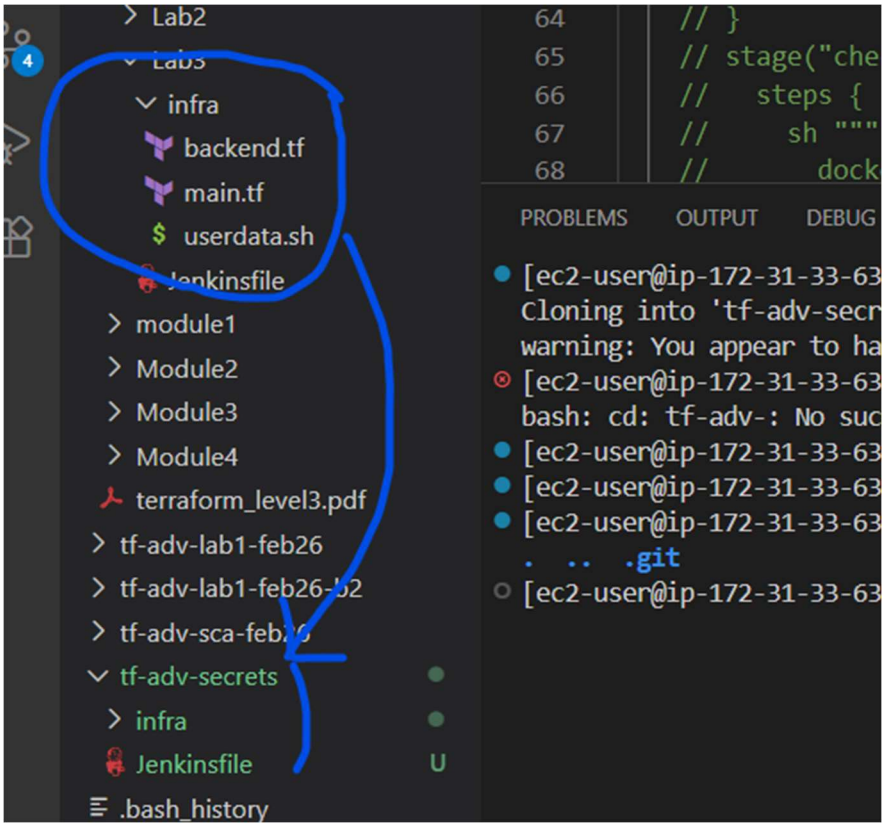
2. Create github repo and clone it locally



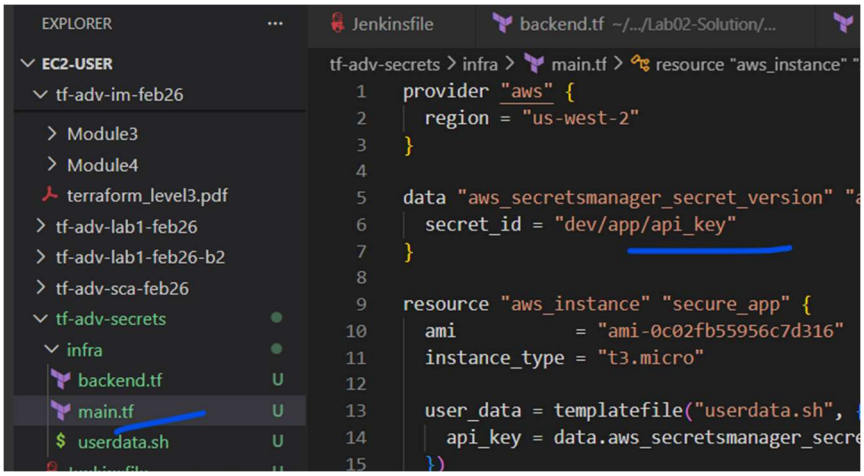


Cloned on the vs code.

3. Copy the lab 3 code to this repo folder



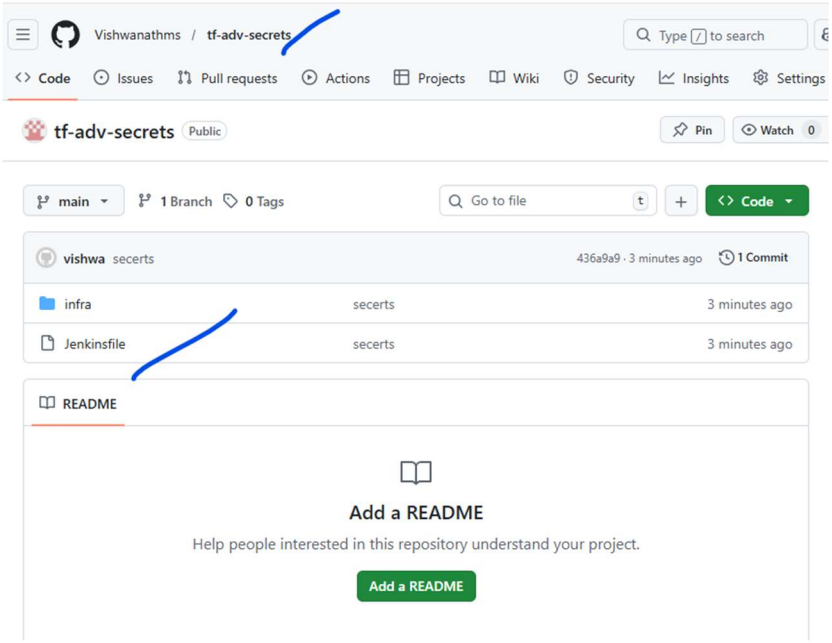
4. Configure the secret mgr name in the tf main file



5. Git commands to push it

```
. .. .git
[ec2-user@ip-172-31-33-63 tf-adv-secrets]$ git add .
[ec2-user@ip-172-31-33-63 tf-adv-secrets]$ git commit -m "secerts"
[main (root-commit) 436a9a9] secerts
 4 files changed, 103 insertions(+)
 create mode 100644 Jenkinsfile
 create mode 100644 infra/backend.tf
 create mode 100644 infra/main.tf
 create mode 100644 infra/userdata.sh
[ec2-user@ip-172-31-33-63 tf-adv-secrets]$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 1.28 KiB | 1.28 MiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:Vishwanathms/tf-adv-secrets.git
 * [new branch]      main -> main
[ec2-user@ip-172-31-33-63 tf-adv-secrets]$
0  0  infra
```

Validated on the github portal



6. Create Jenkins job for secrets

New Item

Enter an item name

vish-job3-secrets

Select an item type

Pipeline
Build, test, and deploy using pipelines.

Freestyle project
Classic, general-purpose job type that c
steps like archiving artifacts and sendin

Multi-configuration project
Suitable for projects that need a large r
platform-specific builds, etc.

Folder
Creates a container that stores nested i
folder creates a separate namespace, so
folders.

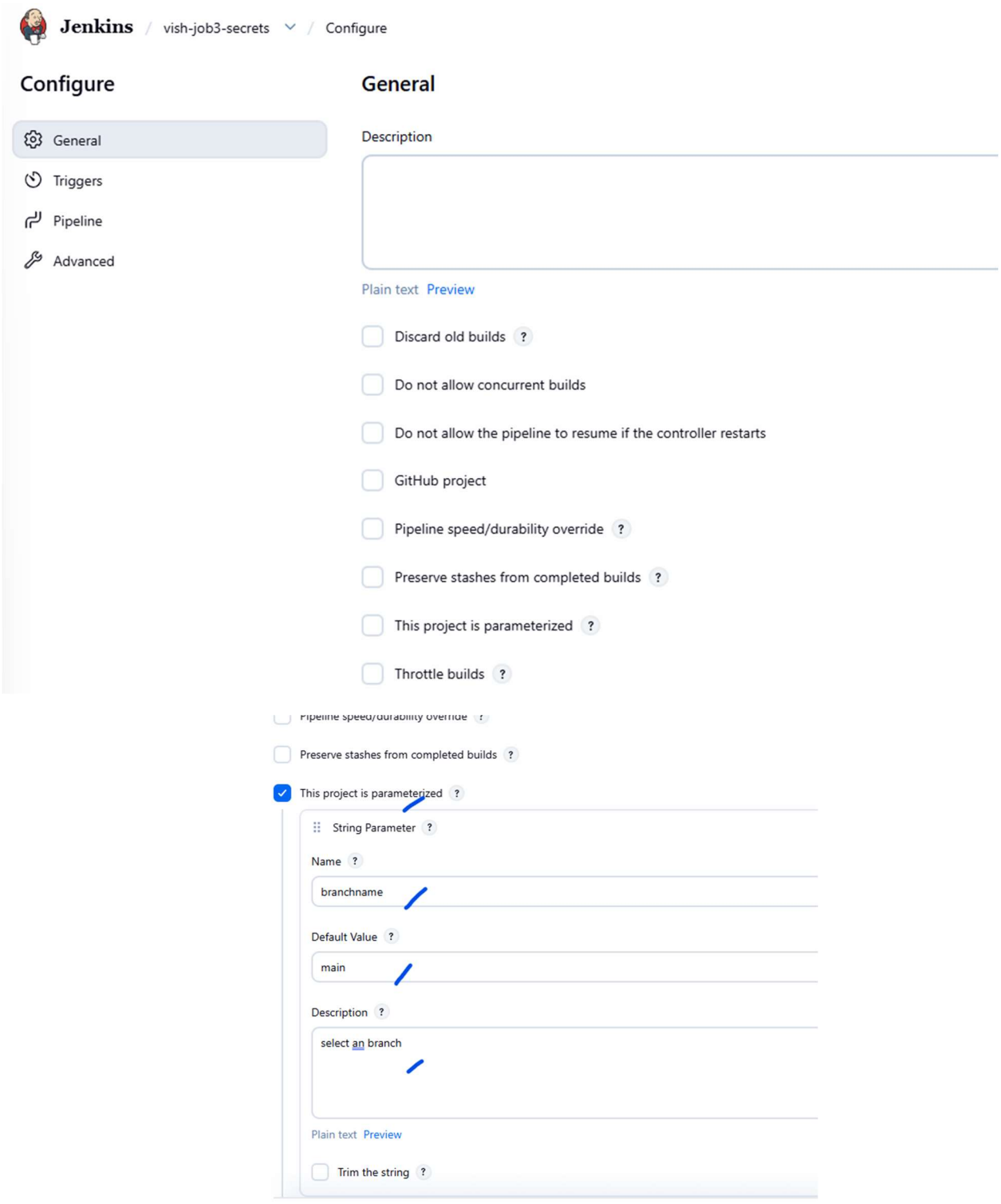
Multibranch Pipeline
Creates a set of Pipeline projects accorc

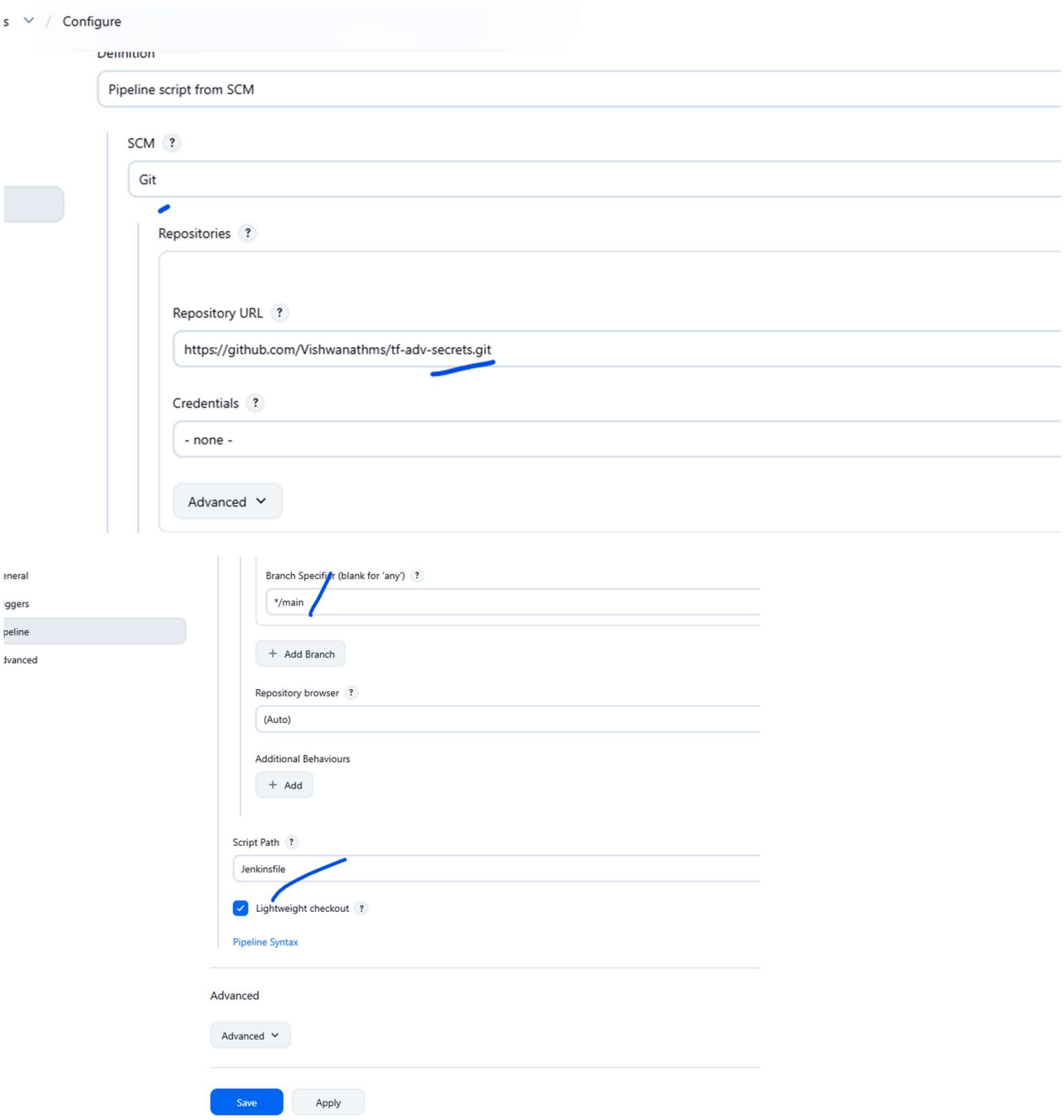
Organization Folder
Creates a set of multibranch project sub

If you want to create a new item from other existing

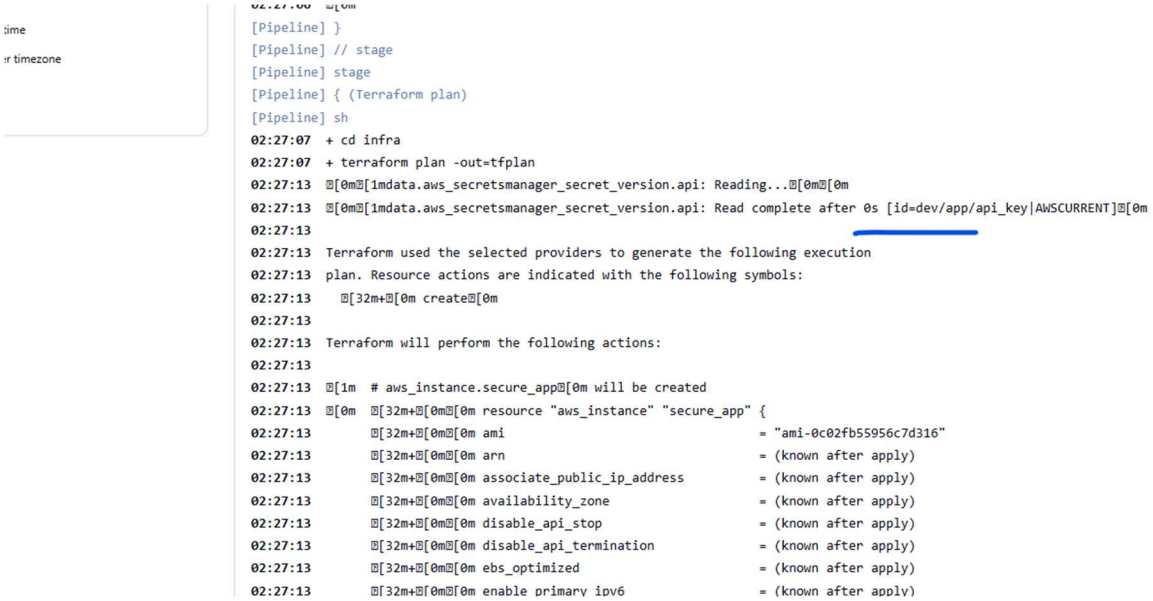
Copy from

OK


Jenkins / vish-job3-secrets / Configure
Configure
General
Triggers
Pipeline
Advanced
General
Description
Plain text Preview
Discard old builds
Do not allow concurrent builds
Do not allow the pipeline to resume if the controller restarts
GitHub project
Pipeline speed/durability override
Preserve stashes from completed builds
This project is parameterized
Throttle builds
Preserve stashes from completed builds
This project is parameterized
String Parameter
Name
branchname
Default Value
main
Description
select an branch
Plain text Preview
Trim the string


Configure
Pipeline script from SCM
SCM
Git
Repositories
Repository URL
https://github.com/Vishwanathms/tf-adv-secrets.git
Credentials
- none -
Advanced
Branch Specifier (blank for 'any')
*/main
Add Branch
Repository browser
(Auto)
Additional Behaviours
Add
Script Path
Jenkinsfile
Lightweight checkout
Pipeline Syntax
Advanced
Advanced
Save
Apply

7. Run the job.



```
time
r timezone
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Terraform plan)
[Pipeline] sh
02:27:07  + cd infra
02:27:07  + terraform plan -out=tfplan
02:27:13  [0m[1mdata.aws_secretsmanager_secret_version.api: Reading...[0m[0m
02:27:13  [0m[1mdata.aws_secretsmanager_secret_version.api: Read complete after 0s [id=dev/app/api_key|AWSCURRENT][0m
02:27:13
02:27:13  Terraform used the selected providers to generate the following execution
02:27:13  plan. Resource actions are indicated with the following symbols:
02:27:13    [32m+[0m create[0m
02:27:13
02:27:13  Terraform will perform the following actions:
02:27:13
02:27:13  [1m  # aws_instance.secure_app[0m will be created
02:27:13  [0m  [32m+[0m[0m resource "aws_instance" "secure_app" {
02:27:13        [32m+[0m[0m ami                                  = "ami-0c02fb55956c7d316"
02:27:13        [32m+[0m[0m arn                                  = (known after apply)
02:27:13        [32m+[0m[0m associate_public_ip_address          = (known after apply)
02:27:13        [32m+[0m[0m availability_zone                    = (known after apply)
02:27:13        [32m+[0m[0m disable_api_stop                     = (known after apply)
02:27:13        [32m+[0m[0m disable_api_termination              = (known after apply)
02:27:13        [32m+[0m[0m ebs_optimized                        = (known after apply)
02:27:13        [32m+[0m[0m enable_primary_ipv6                  = (known after apply)
```

This confirm the secrets mgr value was able to be read by the terraform