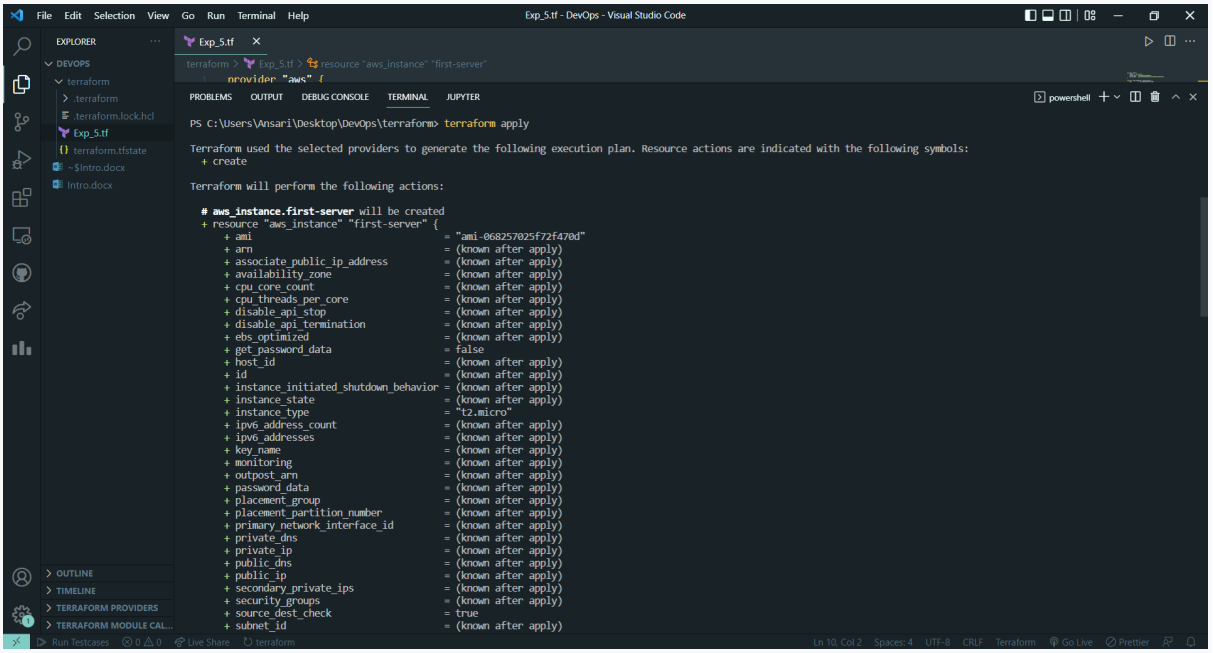
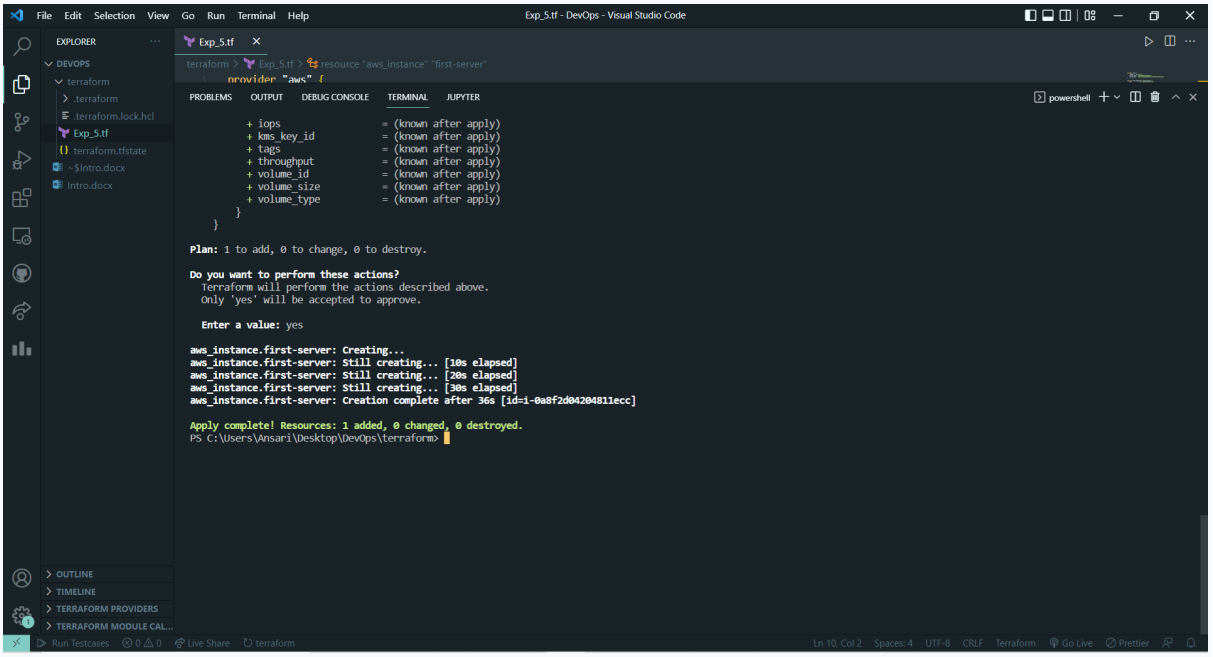
Experiment 6

To Build, change, and destroy AWS / GCP /Microsoft Azure/ DigitalOcean infrastructure Using Terraform

Build:

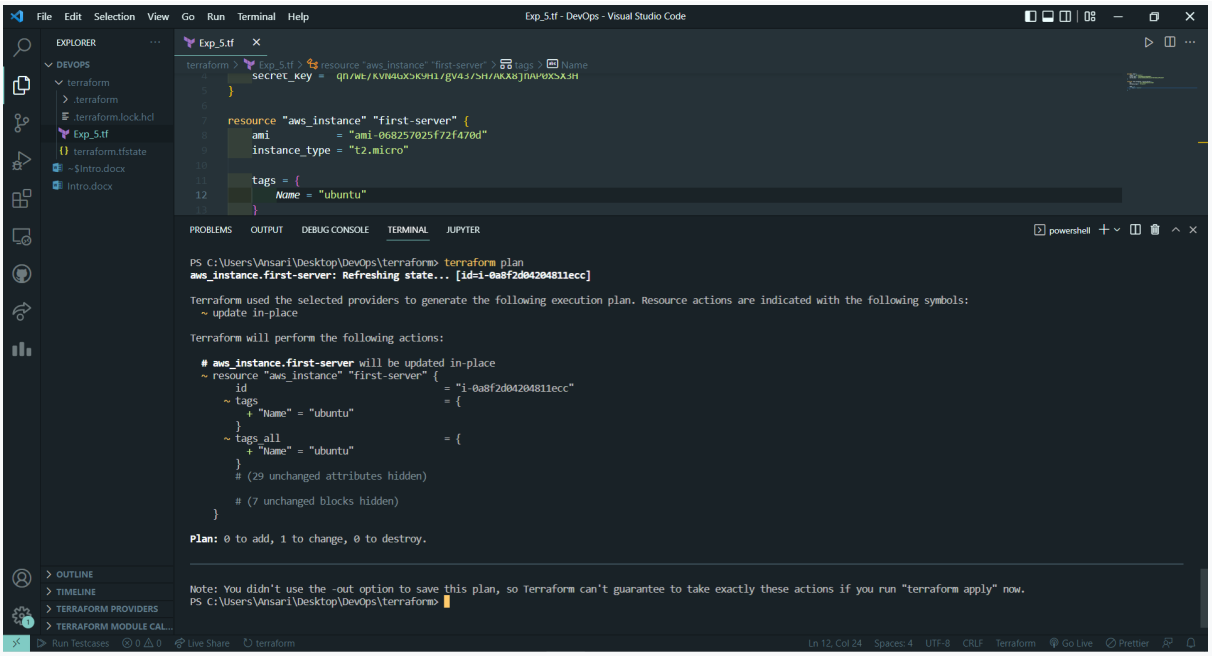
- To build a infrastructure using terraform you'll have to use the command terraform apply

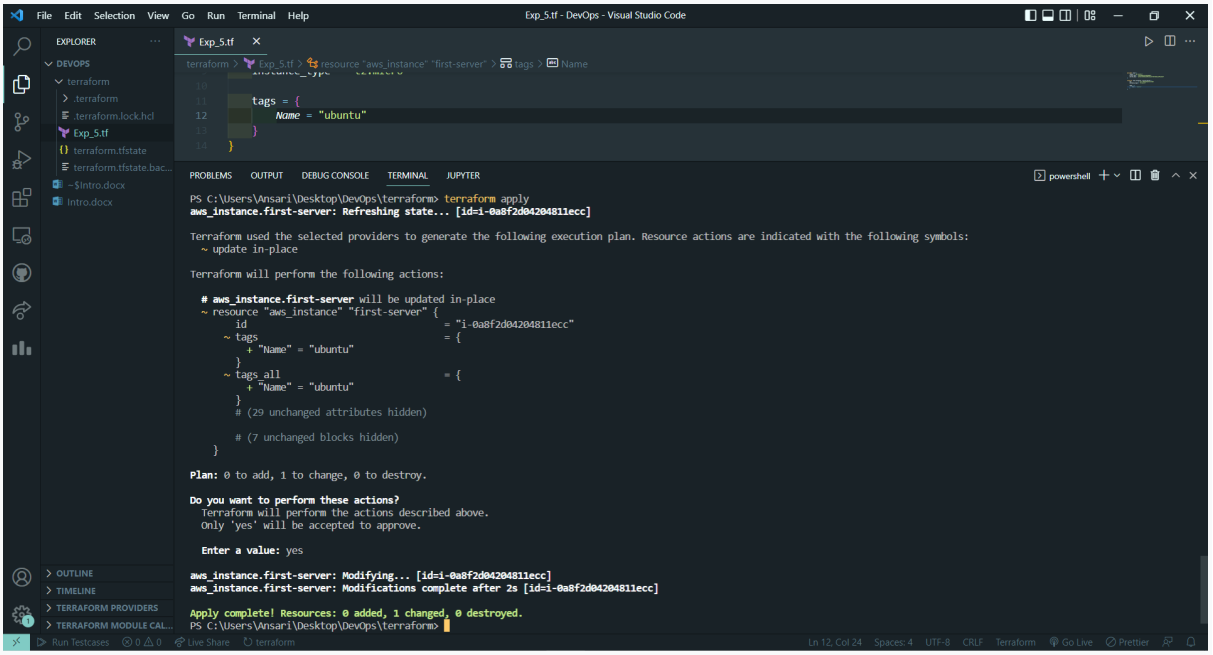


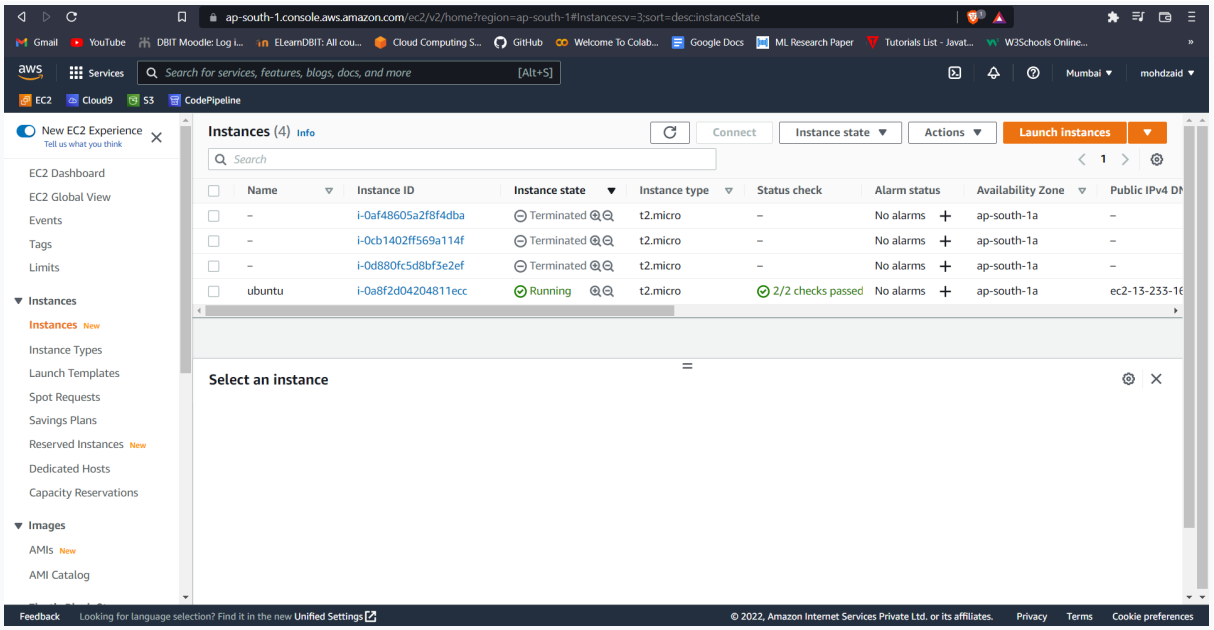


Change:

- To apply any changes to terraform we will write the changes we want to apply in the .tf file run the terraform apply command
- If you want to first see what changes will appear write the command terraform plan

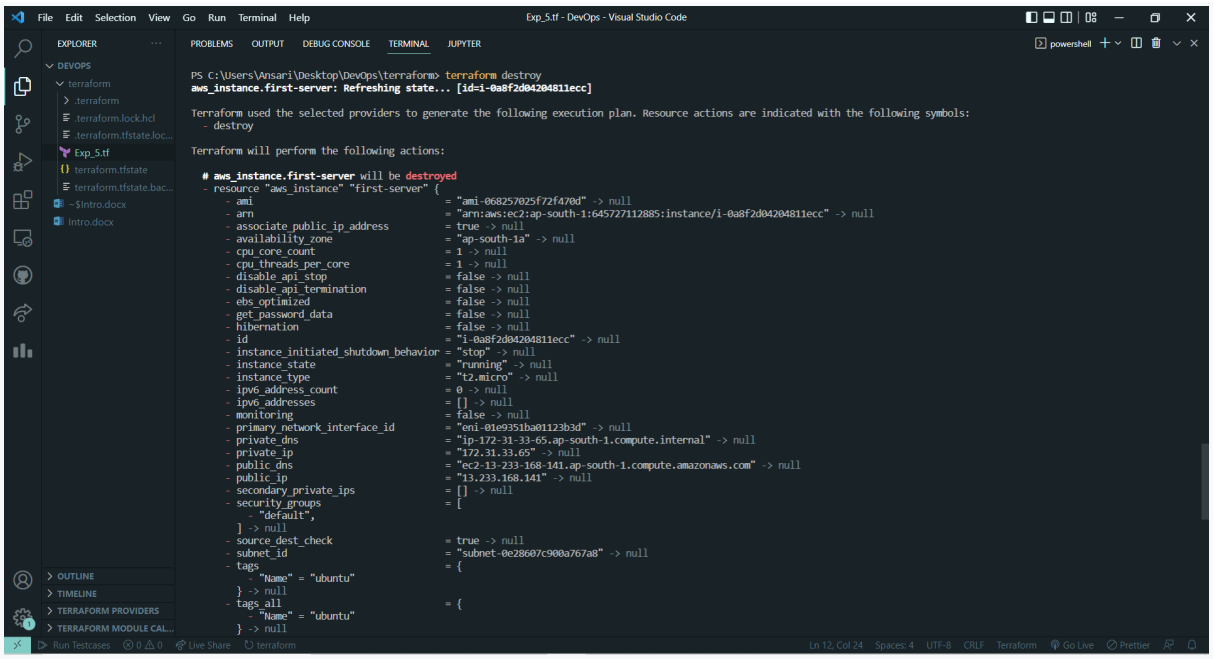


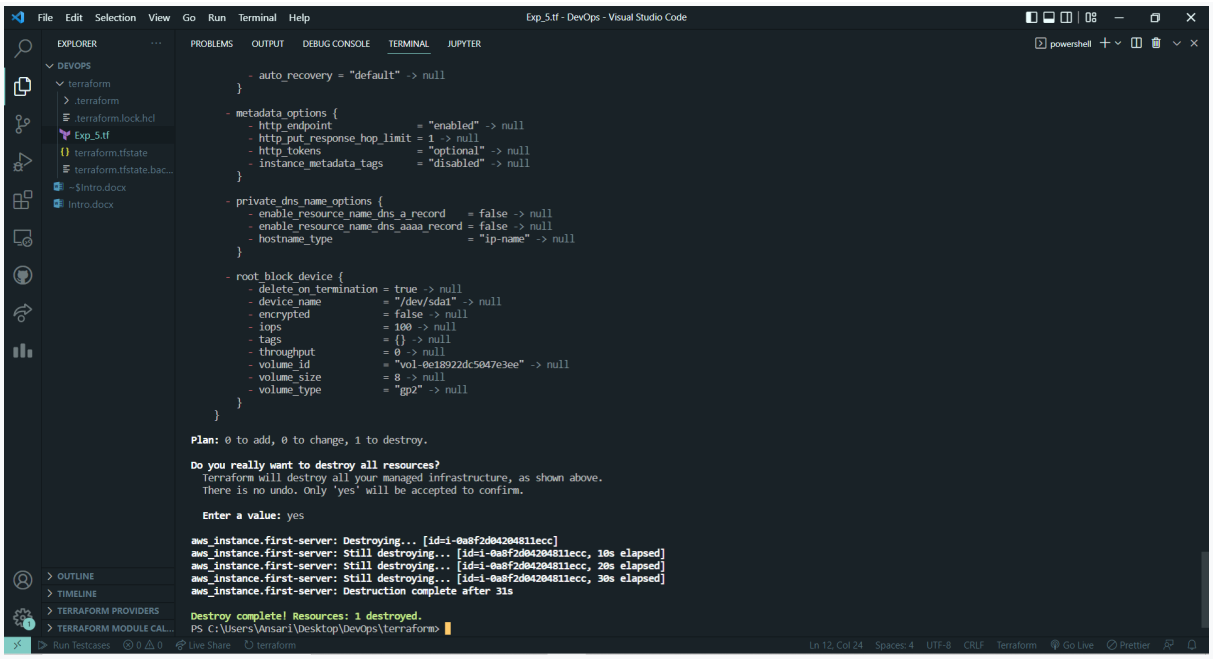


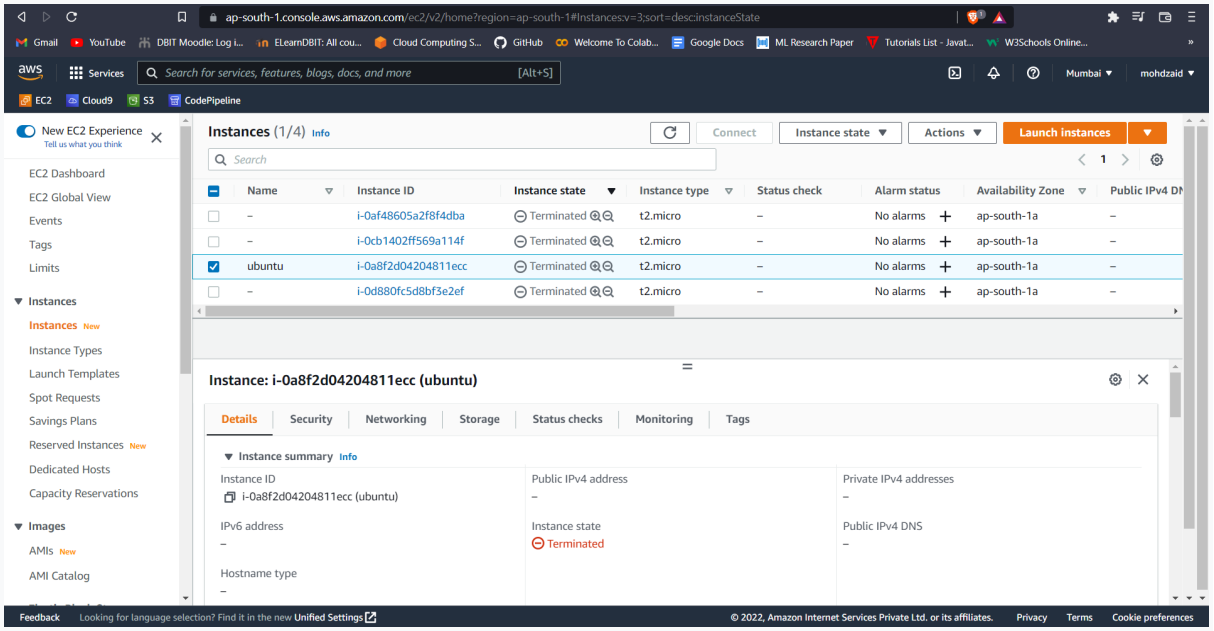


Destroy:

- To destroy a terraform infrastructure we will use the command terraform destroy
- There is another way to destroy terraform infrastructure just comment the resource part of the code and use the terraform apply command




File Edit Selection View Go Run Terminal Help
Exp_5.tf - DevOps - Visual Studio Code
EXPLORER
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
powershell
DEVOPS
terraform
.terraform
.terraform.lock.hcl
Exp_5.tf
terraform.tfstate
terraform.tfstate.bac...
~$Intro.docx
Intro.docx
- auto_recovery = "default" -> null
}
- metadata_options {
- http_endpoint = "enabled" -> null
- http_put_response_hop_limit = 1 -> null
- http_tokens = "optional" -> null
- instance_metadata_tags = "disabled" -> null
}
- private_dns_name_options {
- enable_resource_name_dns_a_record = false -> null
- enable_resource_name_dns_aaaa_record = false -> null
- hostname_type = "ip-name" -> null
}
- root_block_device {
- delete_on_termination = true -> null
- device_name = "/dev/sda1" -> null
- encrypted = false -> null
- iops = 100 -> null
- tags = {} -> null
- throughput = 0 -> null
- volume_id = "vol-0e18922dc5047e3ee" -> null
- volume_size = 8 -> null
- volume_type = "gp2" -> null
}
}
Plan: 0 to add, 0 to change, 1 to destroy.
Do you really want to destroy all resources?
Terraform will destroy all your managed infrastructure, as shown above.
There is no undo. Only 'yes' will be accepted to confirm.
Enter a value: yes
aws_instance.first-server: Destroying... [id=i-0a8f2d04204811ecc]
aws_instance.first-server: Still destroying... [id=i-0a8f2d04204811ecc, 10s elapsed]
aws_instance.first-server: Still destroying... [id=i-0a8f2d04204811ecc, 20s elapsed]
aws_instance.first-server: Still destroying... [id=i-0a8f2d04204811ecc, 30s elapsed]
aws_instance.first-server: Destruction complete after 31s
Destroy complete! Resources: 1 destroyed.
PS C:\Users\Ansari\Desktop\DevOps\terraform>
OUTLINE
TIMELINE
TERRAFORM PROVIDERS
TERRAFORM MODULE CAL...
Run Testcases
Live Share
terraform
Ln 12, Col 24 Spaces: 4 UTF-8 CRLF Terraform Go Live Prettier


ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#Instances:v=3;sort=desc:instanceState
Gmail YouTube DBIT Moodle: Log i... ELearnDBIT: All cou... Cloud Computing S... GitHub Welcome To Colab... Google Docs ML Research Paper Tutorials List - Javat... W3Schools Online...
aws Services Search for services, features, blogs, docs, and more [Alt+S]
Mumbai mohdzaid
EC2 Cloud9 S3 CodePipeline
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs New
AMI Catalog
Instances (1/4) Info
Connect
Instance state
Actions
Launch instances
Search
Name Instance ID Instance state Instance type Status check Alarm status Availability Zone Public IPv4 DN
- i-0af48605a2f8f4dba Terminated t2.micro - No alarms ap-south-1a -
- i-0cb1402ff569a114f Terminated t2.micro - No alarms ap-south-1a -
ubuntu i-0a8f2d04204811ecc Terminated t2.micro - No alarms ap-south-1a -
- i-0d880fc5d8bf3e2ef Terminated t2.micro - No alarms ap-south-1a -
Instance: i-0a8f2d04204811ecc (ubuntu)
Details Security Networking Storage Status checks Monitoring Tags
Instance summary Info
Instance ID
i-0a8f2d04204811ecc (ubuntu)
Public IPv4 address
-
Private IPv4 addresses
-
IPv6 address
-
Instance state
Terminated
Public IPv4 DNS
-
Hostname type
-
Feedback
Looking for language selection? Find it in the new Unified Settings
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