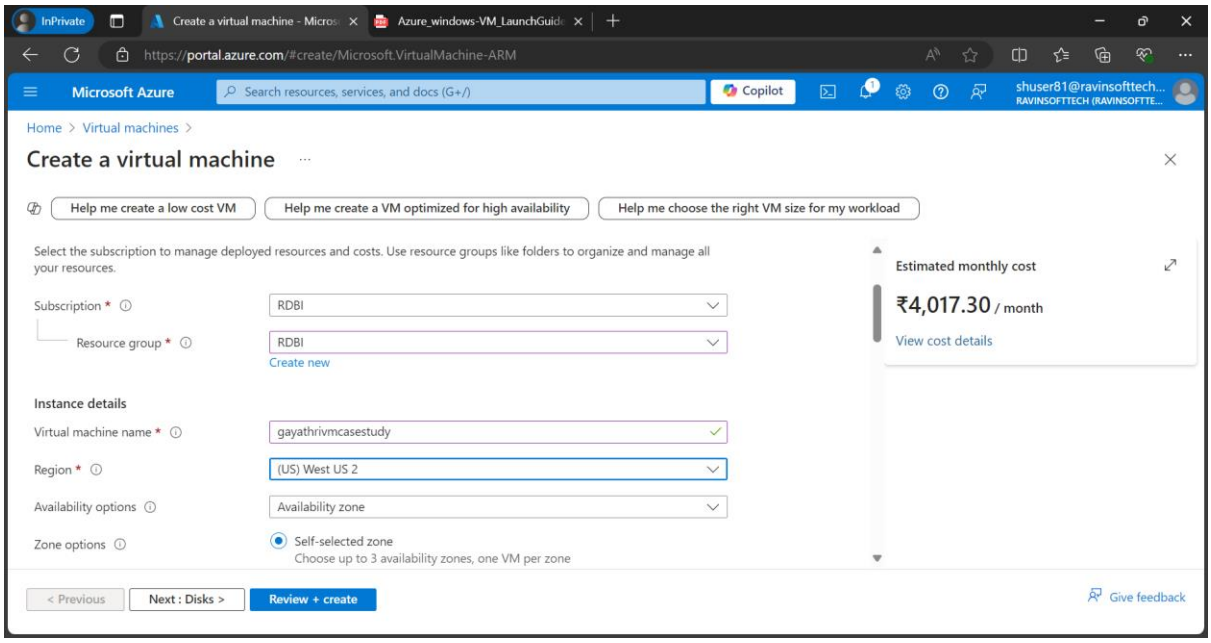
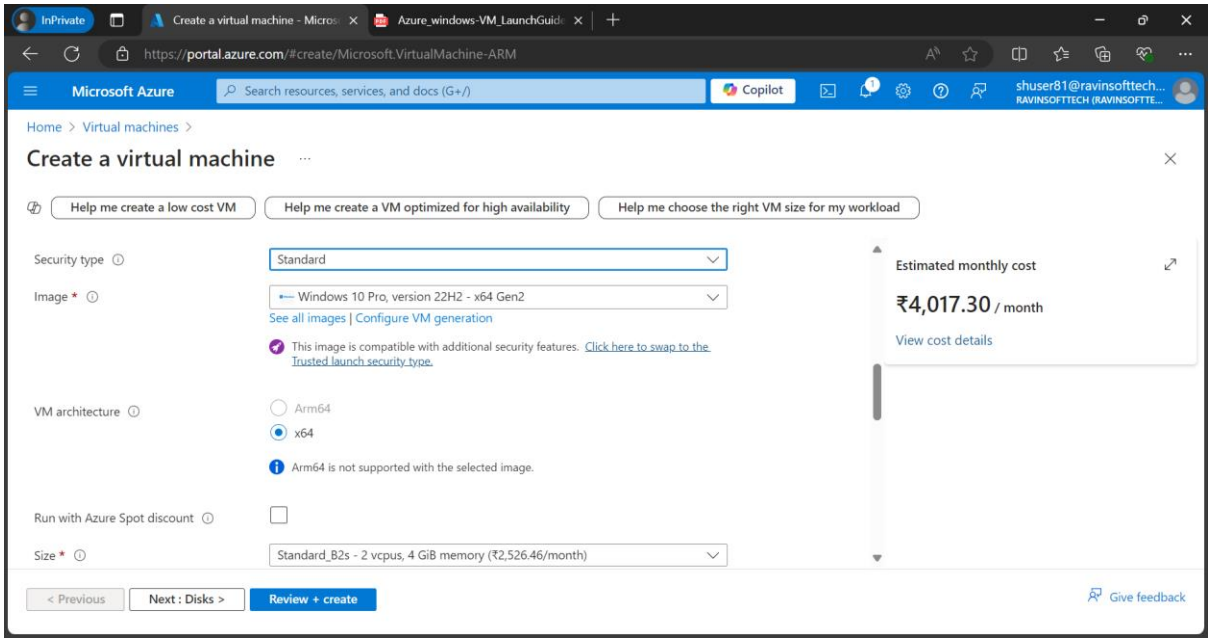
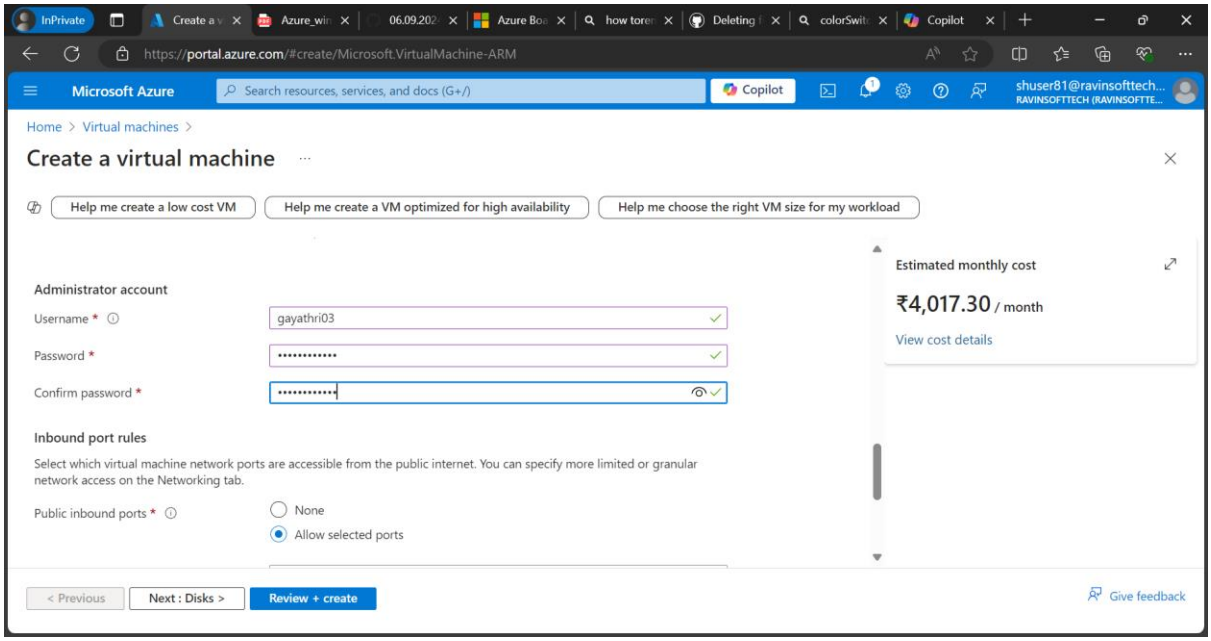
U_NEXT TRAINING

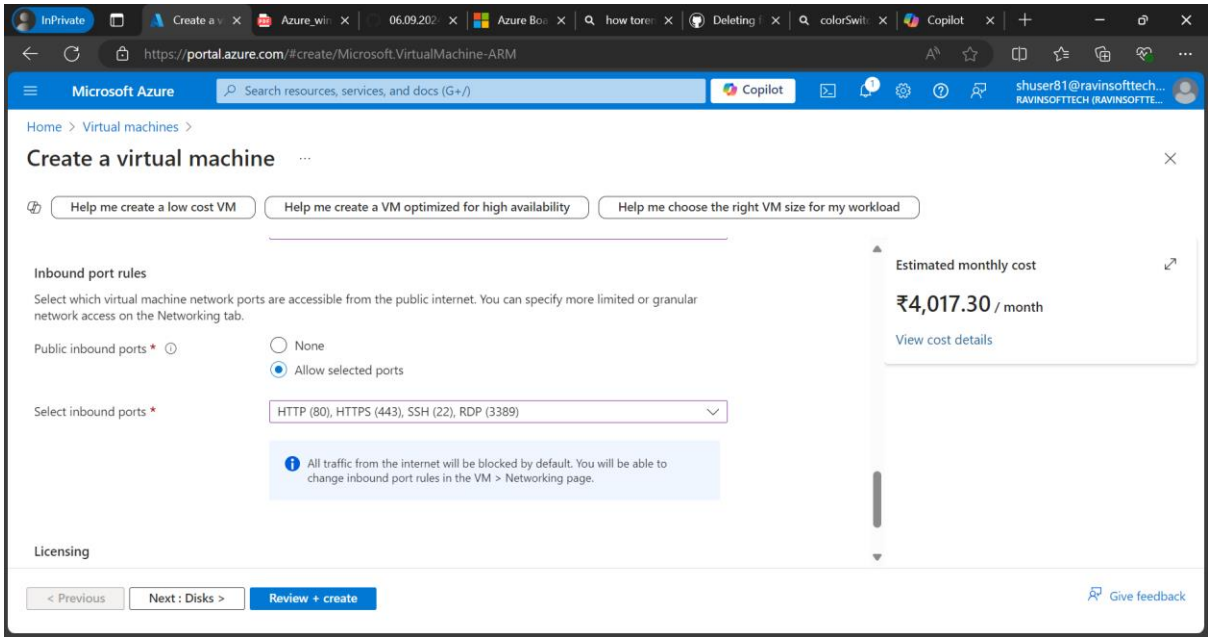
CASE STUDY

1. VM






InPrivate
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
shuser81@ravinsofttech...
RAVINSOFTTECH (RAVINSOFTTE...
Home > Virtual machines >
Create a virtual machine
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Administrator account
Username *
gayathri03
Password *
Confirm password *
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Estimated monthly cost
₹4,017.30 / month
View cost details
< Previous
Next : Disks >
Review + create
Give feedback


InPrivate
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Microsoft Azure
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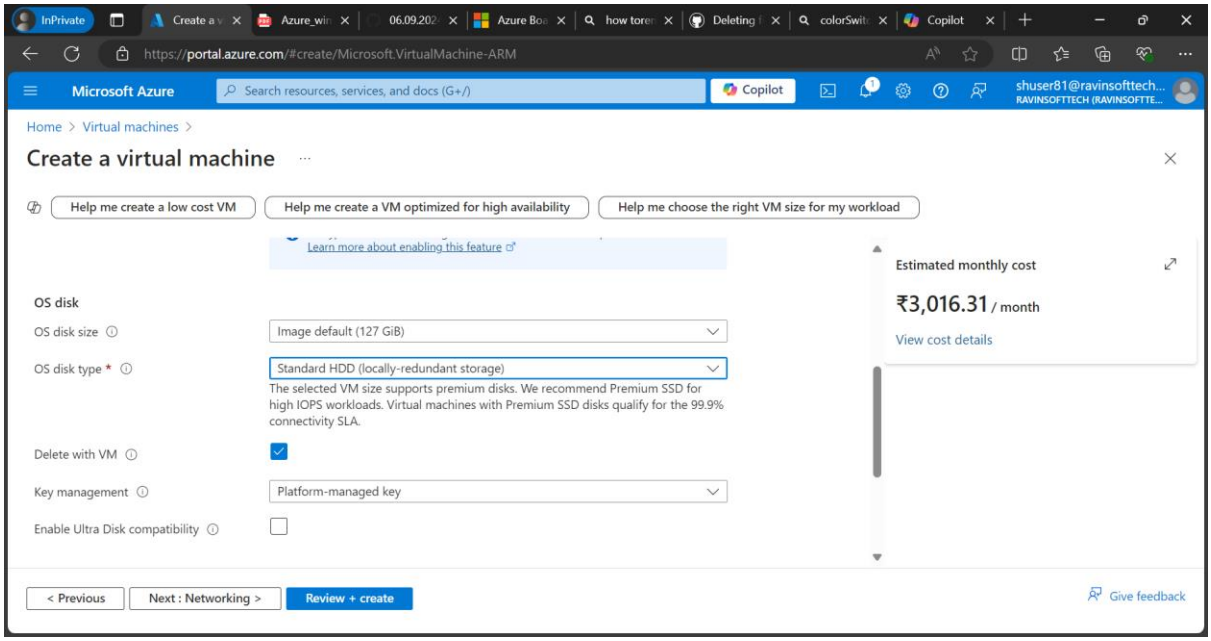
Home > Virtual machines >
Create a virtual machine
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Select inbound ports *
HTTP (80), HTTPS (443), SSH (22), RDP (3389)
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
Licensing
Estimated monthly cost
₹4,017.30 / month
View cost details
< Previous
Next : Disks >
Review + create
Give feedback


InPrivate
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
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Copilot
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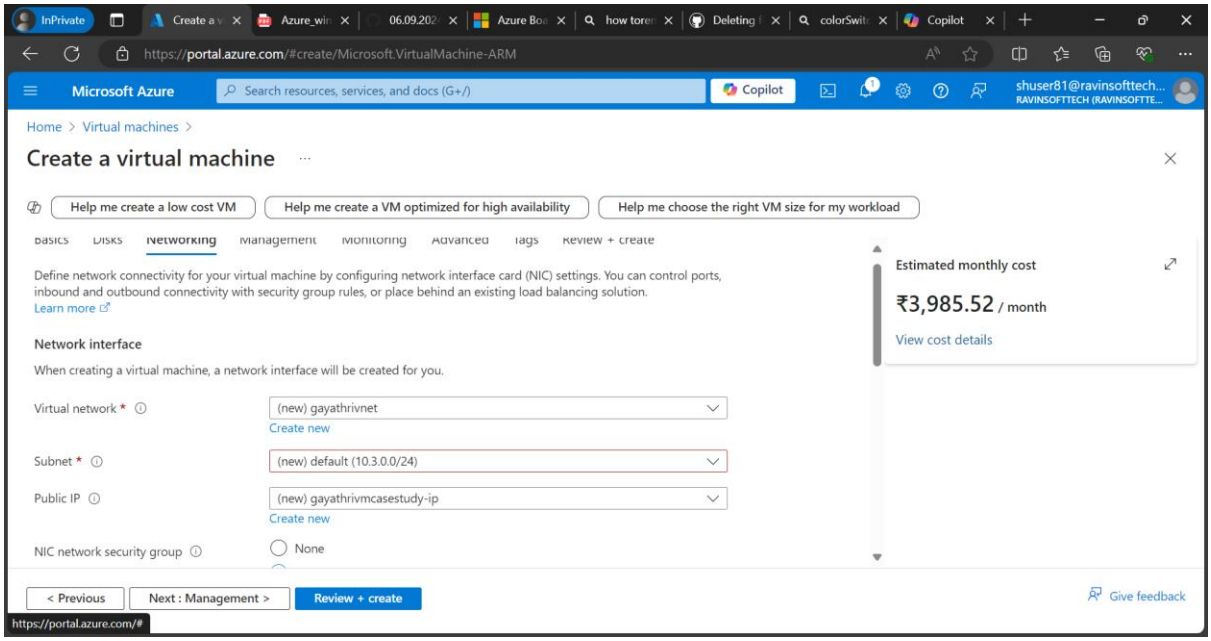
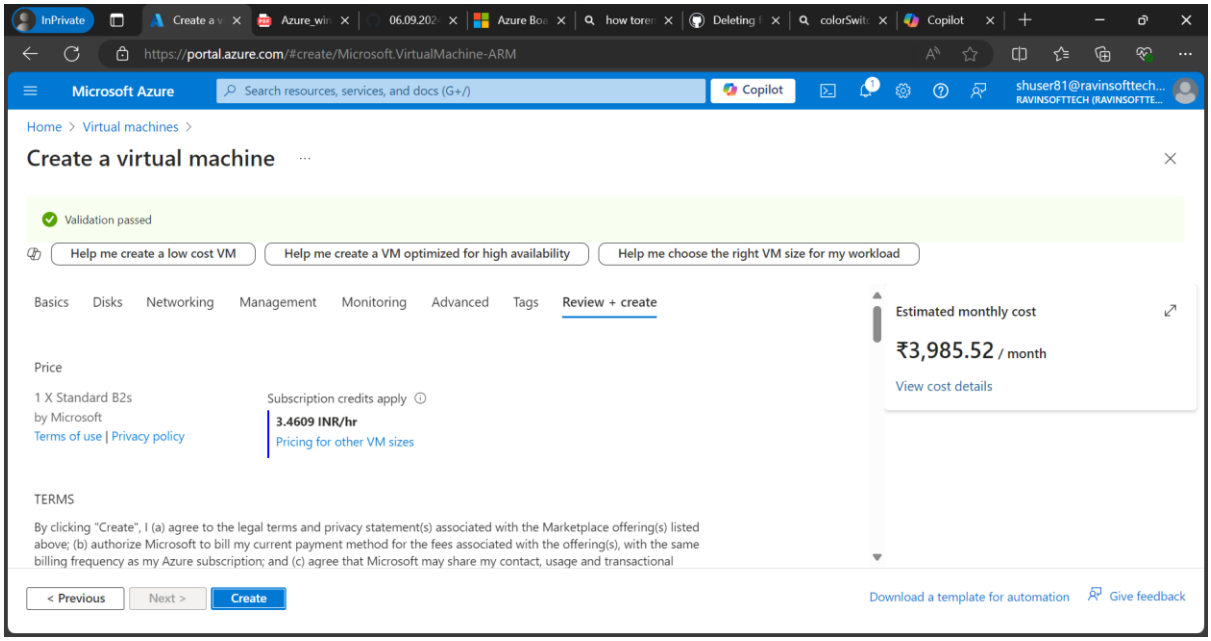
RAVINSOFTTECH (RAVINSOFTTE...
Home > Virtual machines >
Create a virtual machine
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Learn more about enabling this feature
OS disk
OS disk size
Image default (127 GiB)
OS disk type *
Standard HDD (locally-redundant storage)
The selected VM size supports premium disks. We recommend Premium SSD for high IOPS workloads. Virtual machines with Premium SSD disks qualify for the 99.9% connectivity SLA.
Delete with VM
Key management
Platform-managed key
Enable Ultra Disk compatibility
Estimated monthly cost
₹3,016.31 / month
View cost details
< Previous
Next : Networking >
Review + create
Give feedback


InPrivate
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
shuser81@ravinsofttech...
RAVINSOFTTECH (RAVINSOFTTE...
Home > Virtual machines >
Create a virtual machine
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
Learn more
Network interface
When creating a virtual machine, a network interface will be created for you.
Virtual network *
(new) gayathrivnet
Create new
Subnet *
(new) default (10.3.0.0/24)
Public IP
(new) gayathrivmcasestudy-ip
Create new
NIC network security group
None
Estimated monthly cost
₹3,985.52 / month
View cost details
< Previous
Next : Management >
Review + create
Give feedback
https://portal.azure.com/#


Microsoft Azure
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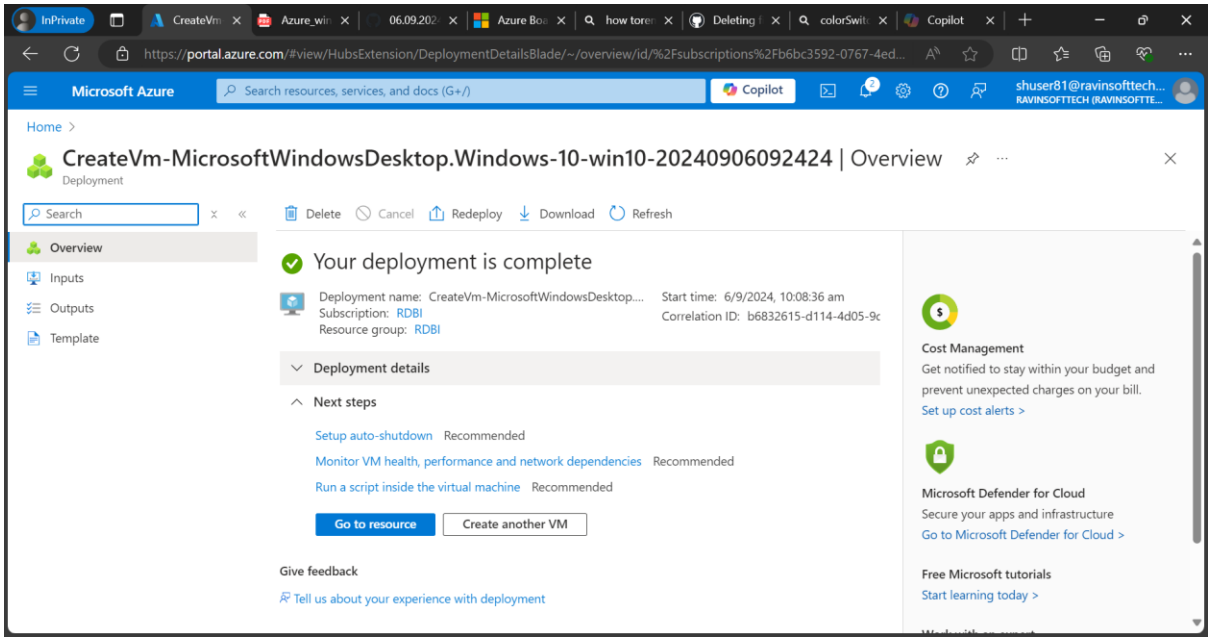
RAVINSOFTTECH (RAVINSOFTTE...
Home > Virtual machines >
Create a virtual machine
Validation passed
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Basics
Disks
Networking
Management
Monitoring
Advanced
Tags
Review + create
Price
1 X Standard B2s
by Microsoft
Terms of use | Privacy policy
Subscription credits apply
3.4609 INR/hr
Pricing for other VM sizes
Estimated monthly cost
₹3,985.52 / month
View cost details
TERMS
By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional
< Previous
Next >
Create
Download a template for automation
Give feedback


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
shuser81@ravinsofttech...
RAVINSOFTTECH (RAVINSOFTTE...
Home >
CreateVm-MicrosoftWindowsDesktop.Windows-10-win10-20240906092424 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name: CreateVm-MicrosoftWindowsDesktop....
Subscription: RDBI
Resource group: RDBI
Start time: 6/9/2024, 10:08:36 am
Correlation ID: b6832615-d114-4d05-9c
Deployment details
Next steps
Setup auto-shutdown Recommended
Monitor VM health, performance and network dependencies Recommended
Run a script inside the virtual machine Recommended
Go to resource
Create another VM
Give feedback
Tell us about your experience with deployment
Cost Management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >
Free Microsoft tutorials
Start learning today >

Essentials

Resource group (move)
RDBI

Status
Running

Location
West US 2 (Zone 1)

Subscription (move)
RDBI

Subscription ID
b6bc3592-0767-4ed1-b34d-24eb40cb6add

Availability zone
1

Operating system
Windows

Size
Standard B2s (2 vcpus, 4 GiB memory)

Public IP address
20.120.154.59

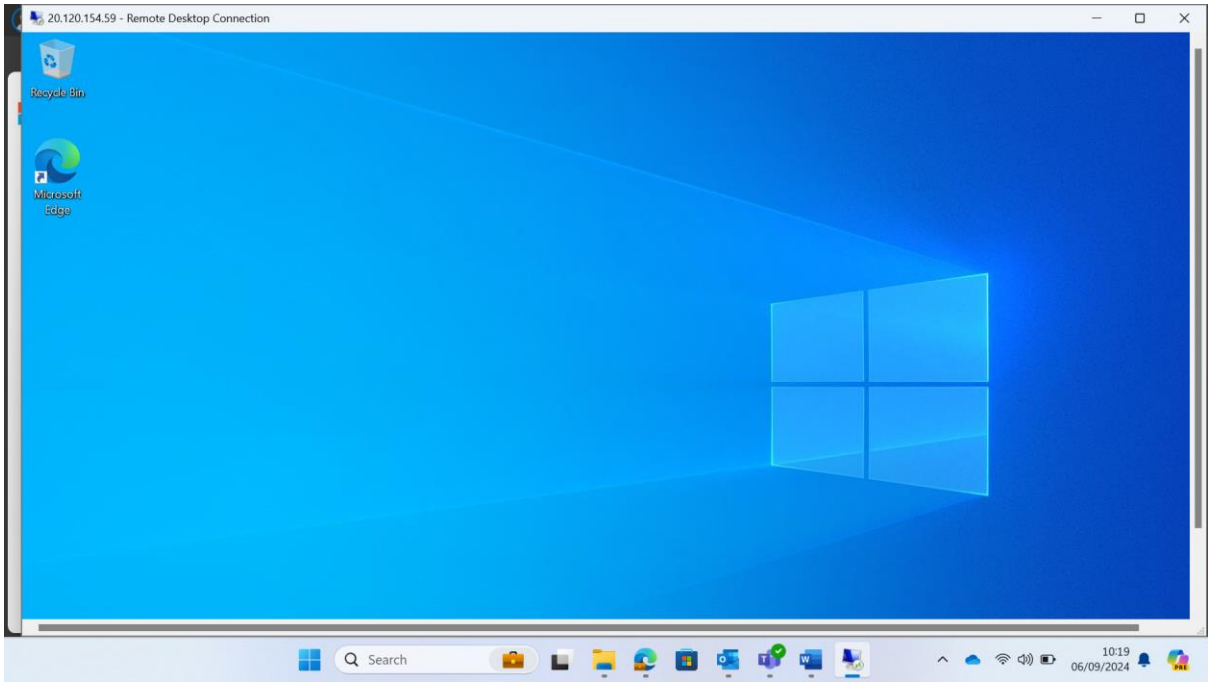
Virtual network/subnet
gayathrivnet/default

DNS name
Not configured

Health state
-

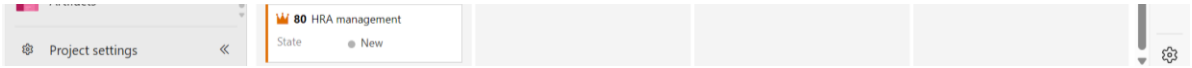
Time created
6/9/2024, 4:38 am UTC

IP address of the VM: 20.120.154.59

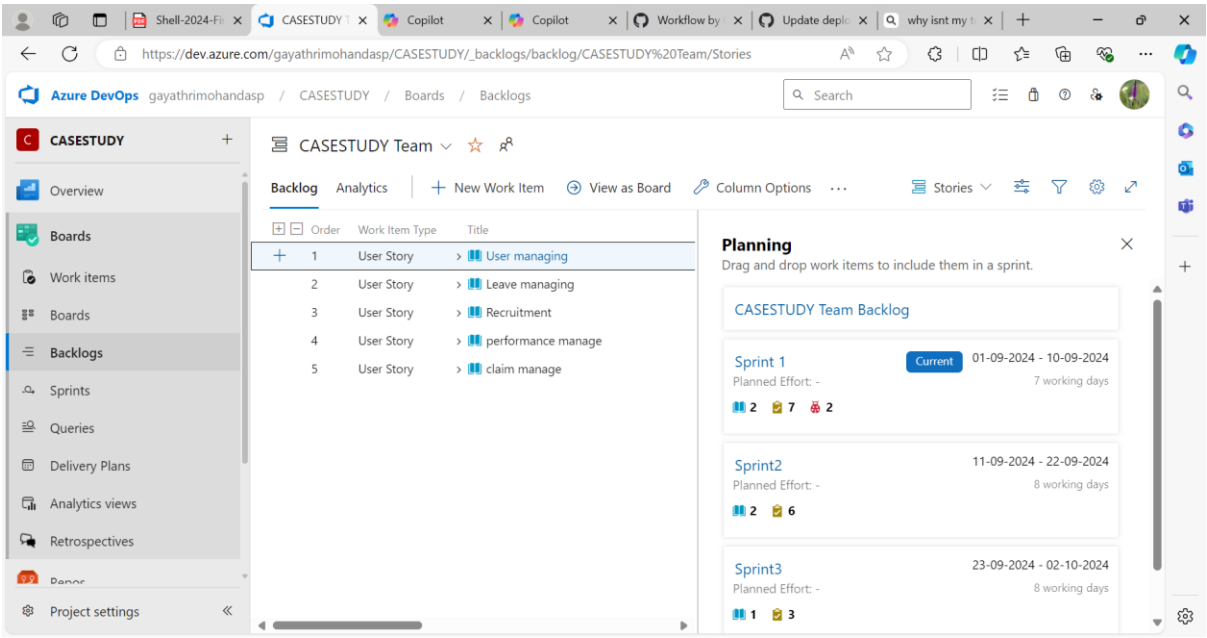


2. AGILE FRAMEWORK

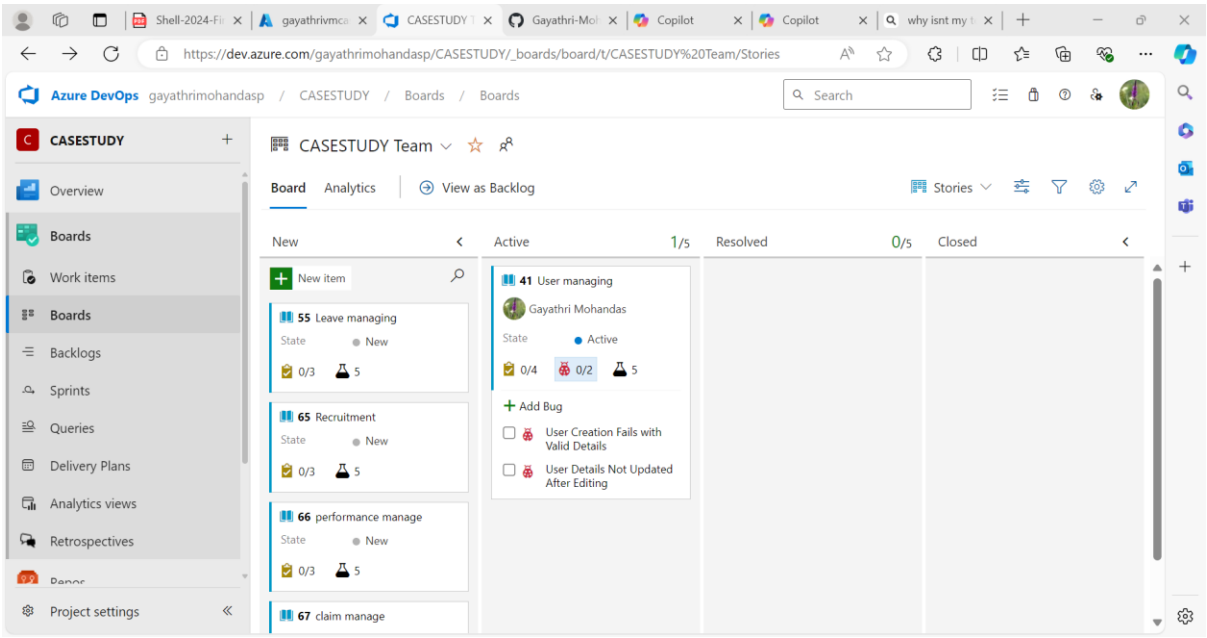
Epic –



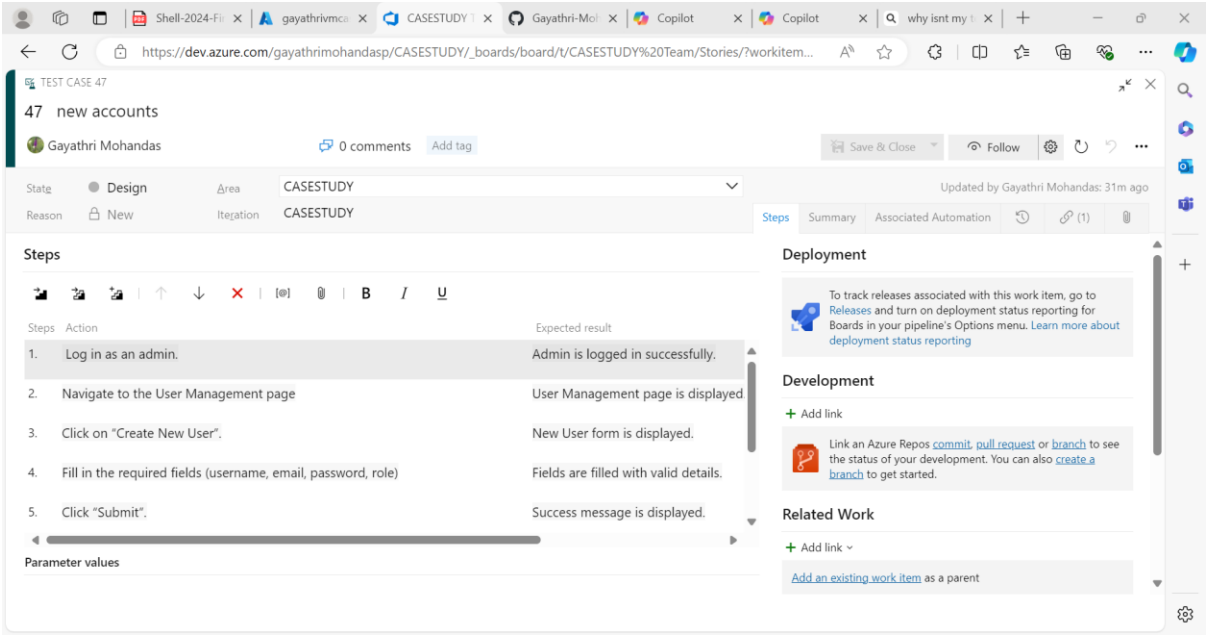
User stories



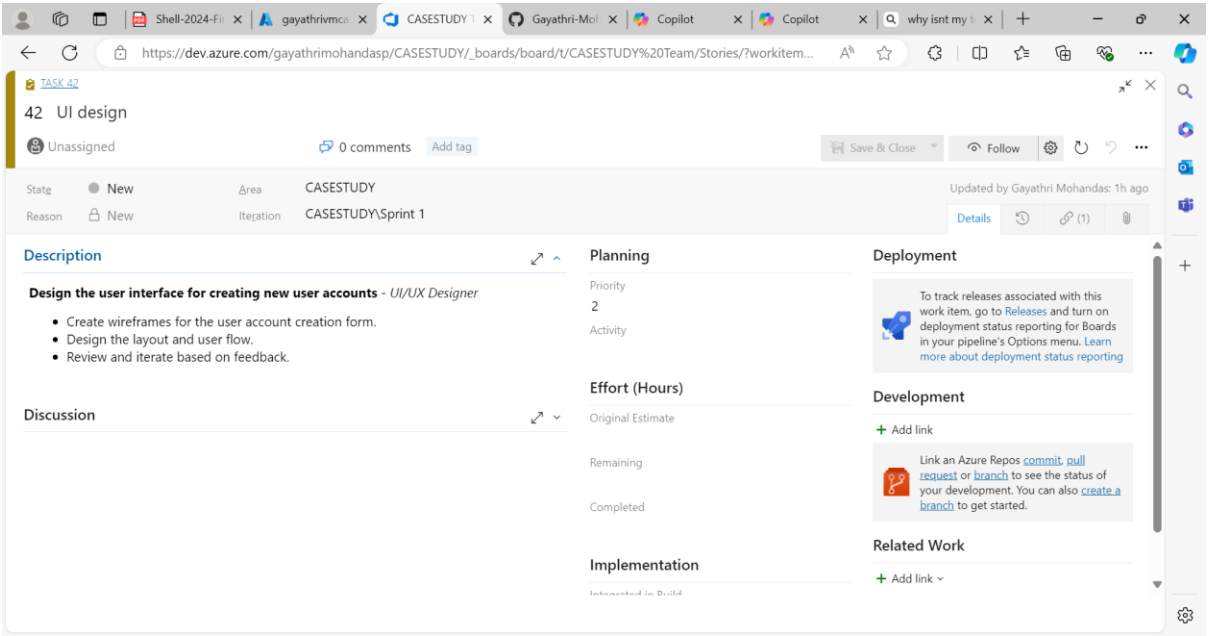
User stories were distributed to 3 sprints



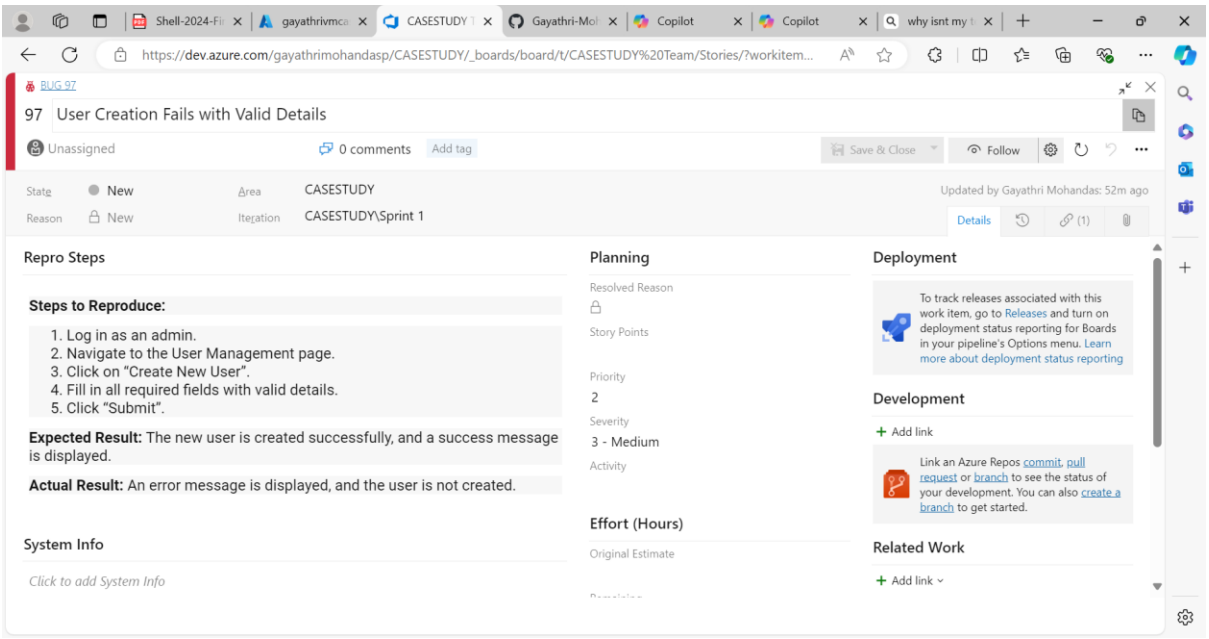
One instance of testcase



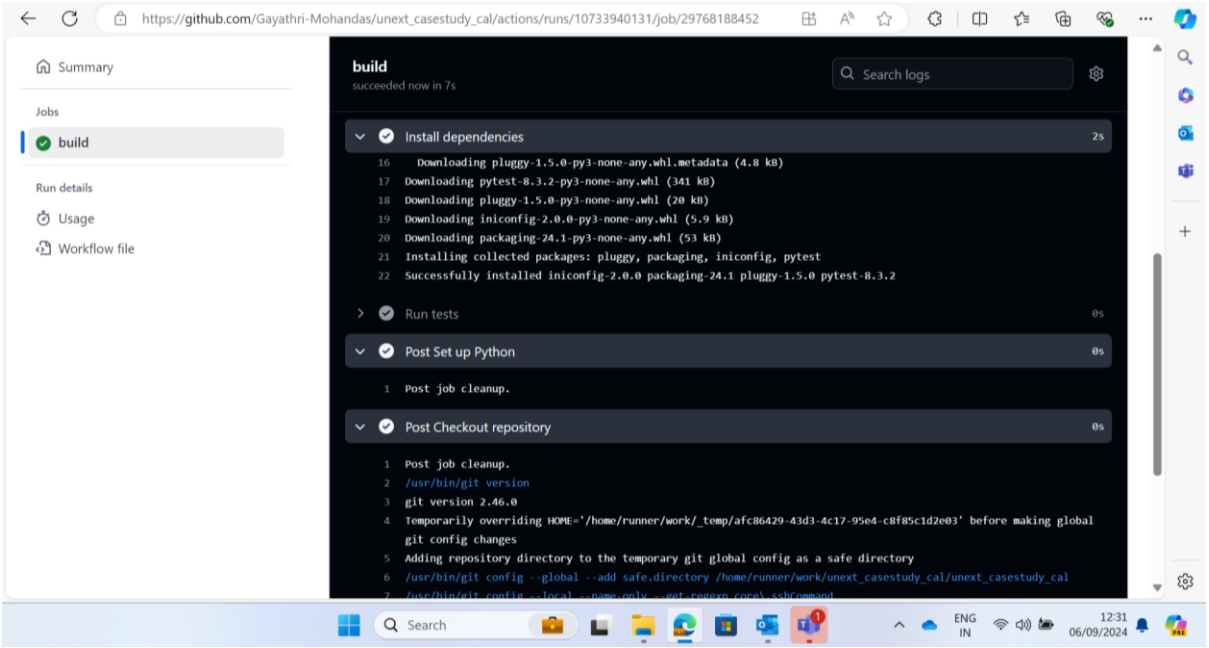
One instance of task with subtask

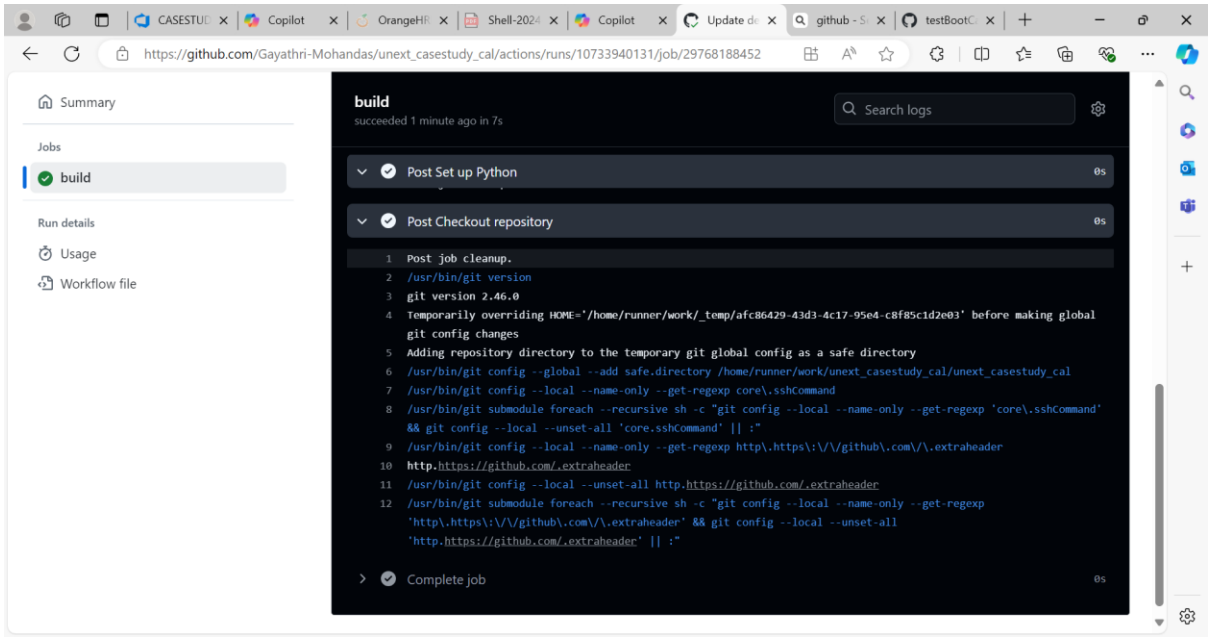


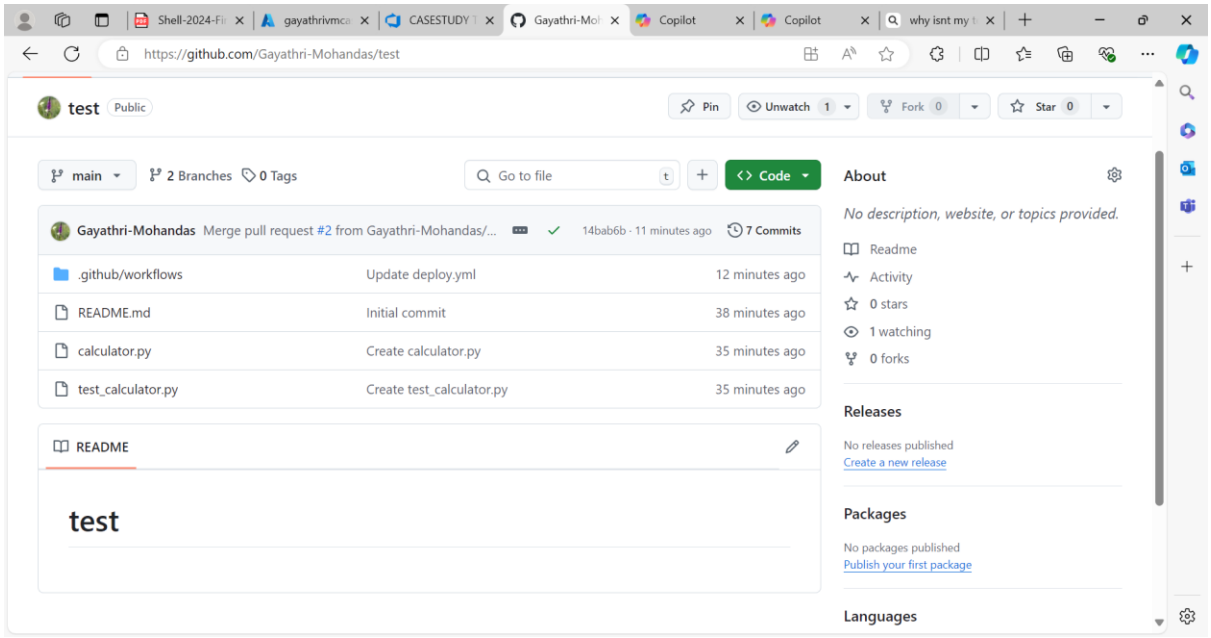
One instance of bug

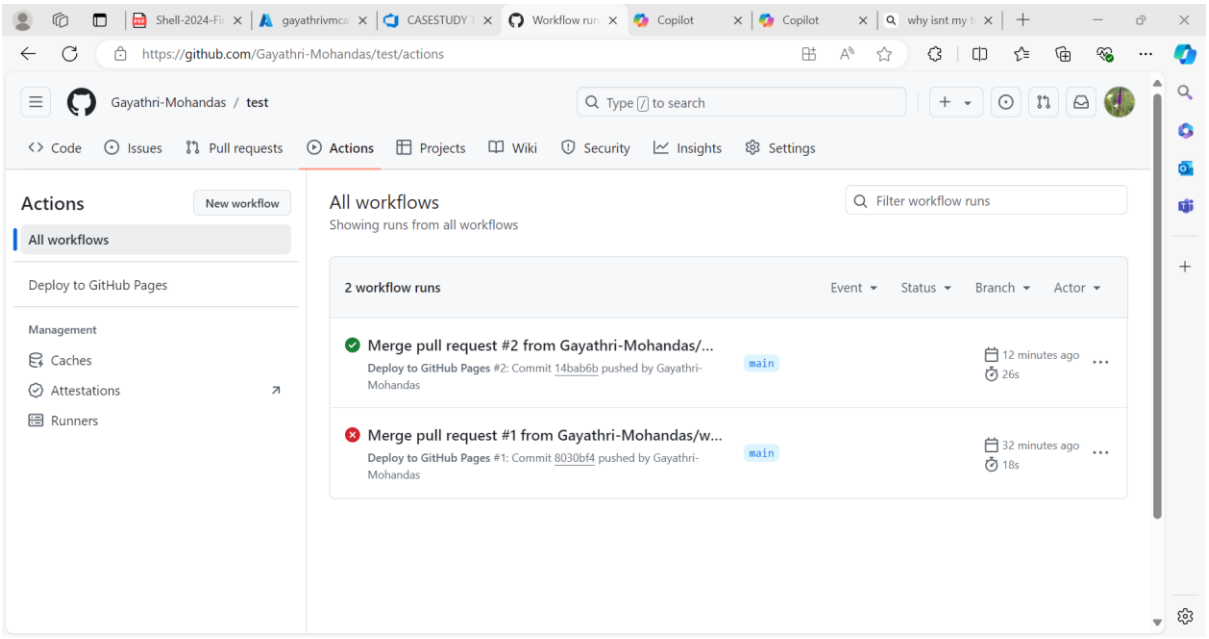


3. CI/CD WORKFLOW




https://github.com/Gayathri-Mohandas/unext_casestudy_cal/actions/runs/10733940131/job/29768188452
Summary
Jobs
build
Run details
Usage
Workflow file
build
succeeded 1 minute ago in 7s
Search logs
Post Set up Python
0s
Post Checkout repository
0s
Post job cleanup.
/usr/bin/git version
git version 2.46.0
Temporarily overriding HOME='/home/runner/work/_temp/afc86429-43d3-4c17-95e4-c8f85c1d2e03' before making global git config changes
Adding repository directory to the temporary git global config as a safe directory
/usr/bin/git config --global --add safe.directory /home/runner/work/unext_casestudy_cal/unext_casestudy_cal
/usr/bin/git config --local --name-only --get-regexp core\.sshCommand
/usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'core\.sshCommand' && git config --local --unset-all 'core.sshCommand' || :"
/usr/bin/git config --local --name-only --get-regexp http\.https\:\/\/github\.com\/\.extraheader
http.https://github.com/.extraheader
/usr/bin/git config --local --unset-all http.https://github.com/.extraheader
/usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'http\.https\:\/\/github\.com\/\.extraheader' && git config --local --unset-all 'http.https://github.com/.extraheader' || :"
Complete job
0s


https://github.com/Gayathri-Mohandas/test
test
Public
Pin
Unwatch 1
Fork 0
Star 0
main
2 Branches
0 Tags
Go to file
Code
About
No description, website, or topics provided.
Readme
Activity
0 stars
1 watching
0 forks
Gayathri-Mohandas Merge pull request #2 from Gayathri-Mohandas/... 14bab6b · 11 minutes ago 7 Commits
.github/workflows Update deploy.yml 12 minutes ago
README.md Initial commit 38 minutes ago
calculator.py Create calculator.py 35 minutes ago
test_calculator.py Create test_calculator.py 35 minutes ago
README
test
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Languages


https://github.com/Gayathri-Mohandas/test/actions
Gayathri-Mohandas / test
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
Actions
New workflow
All workflows
Deploy to GitHub Pages
Management
Caches
Attestations
Runners
All workflows
Showing runs from all workflows
Filter workflow runs
2 workflow runs
Event
Status
Branch
Actor
Merge pull request #2 from Gayathri-Mohandas/...
Deploy to GitHub Pages #2: Commit 14bab6b pushed by Gayathri-Mohandas
main
12 minutes ago
26s
Merge pull request #1 from Gayathri-Mohandas/w...
Deploy to GitHub Pages #1: Commit 8030bf4 pushed by Gayathri-Mohandas
main
32 minutes ago
18s