Assignment 4

Screenshots

GROUP 12

Cloud Development and Operations

Conestoga College, Waterloo Campus

Container and Orchestration

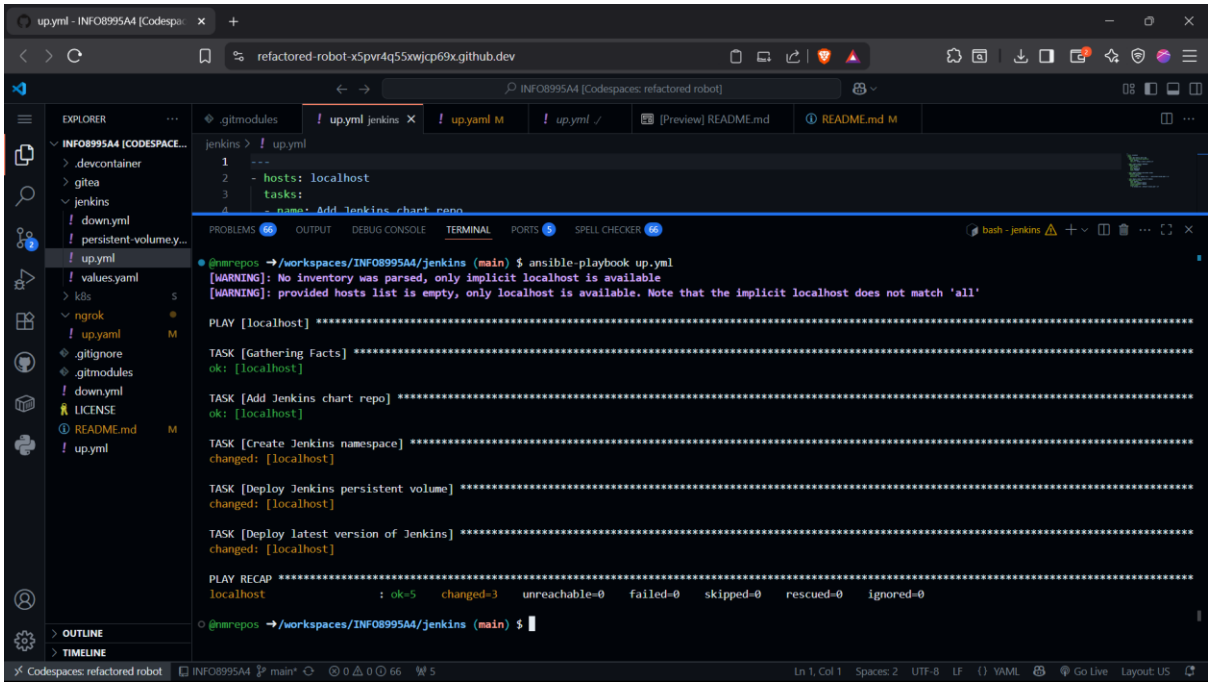
INFO8995 - Spring 2025 - Section 1

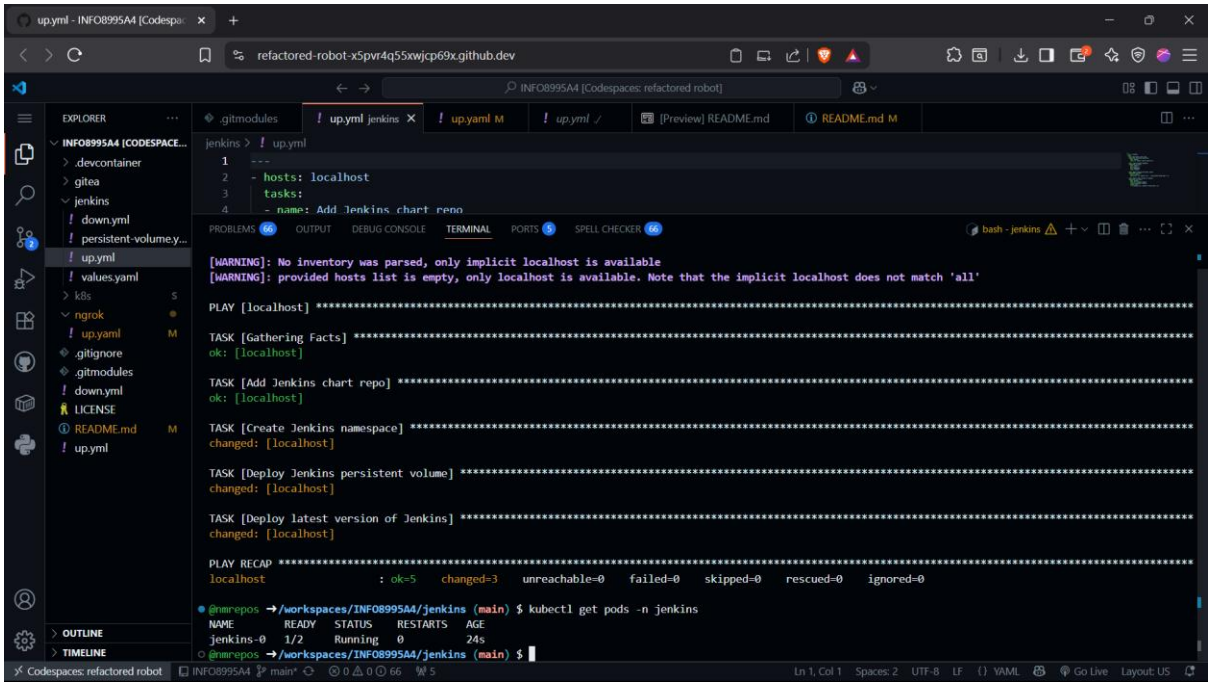
CI/CD Pipeline with Jenkins and Gitea

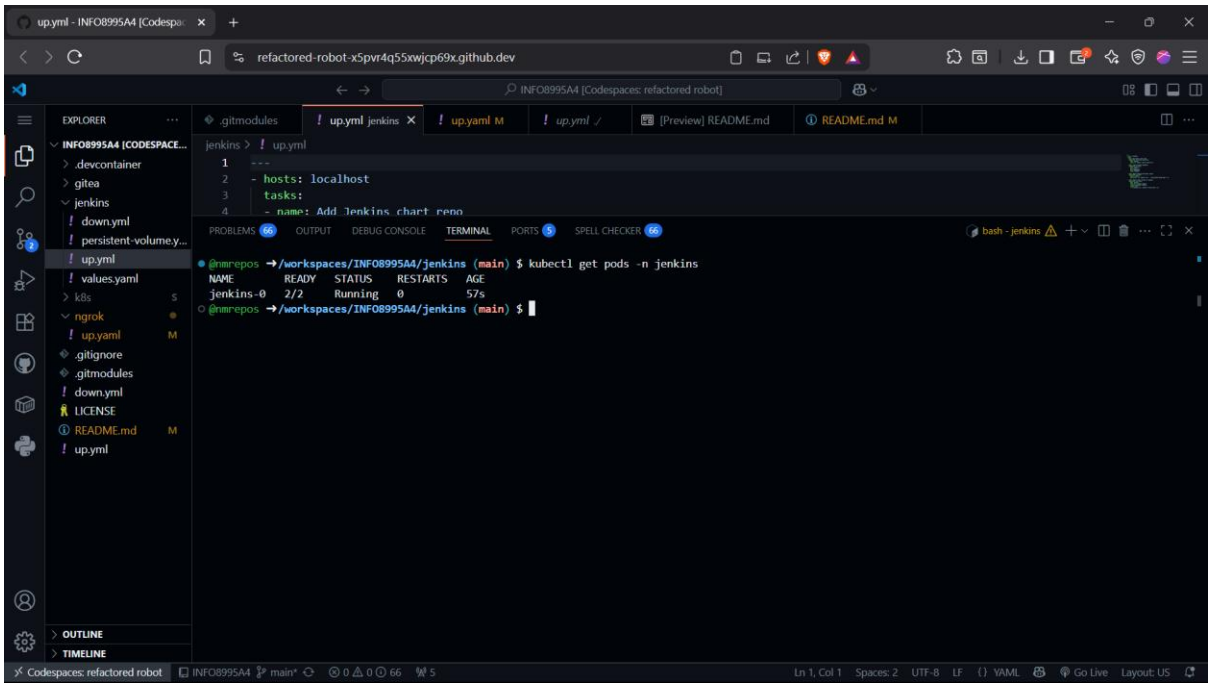
Assignment Github Repo Link: https://github.com/nmrepos/INFO8995A4

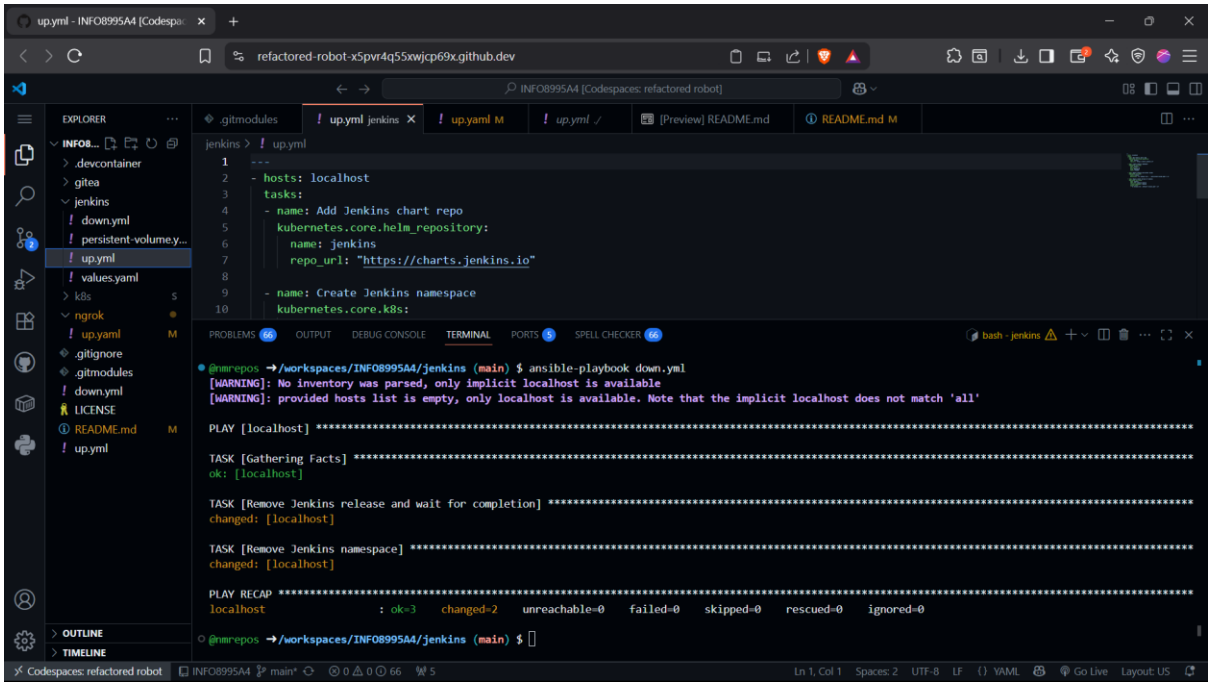
Python Appliction Jenkin CICD Repo : https://github.com/nmrepos/JenPyCICD

JENKINS INSTALLATION






refactored-robot-x5pvr4q55xwjcp69x.github.dev
INFO8995A4 [Codespaces: refactored robot]
EXPLORER
.devcontainer
gitea
jenkins
down.yml
persistent-volume.y...
up.yml
values.yaml
k8s
ngrok
up.yaml
.gitignore
.gitmodules
down.yml
LICENSE
README.md
up.yml
OUTLINE
TIMELINE
.gitmodules
up.yml jenkins
up.yaml M
[Preview] README.md
README.md M
jenkins > up.yml
1 ---
2 - hosts: localhost
3 tasks:
4 - name: Add Jenkins chart repo
PROBLEMS 66
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 5
SPELL CHECKER 66
bash - jenkins
@mmrepos →/workspaces/INFO8995A4/jenkins (main) $ kubectl get pods -n jenkins
NAME READY STATUS RESTARTS AGE
jenkins-0 2/2 Running 0 57s
@mmrepos →/workspaces/INFO8995A4/jenkins (main) $
Codespaces: refactored robot
INFO8995A4
main*
Ln 1, Col 1
Spaces: 2
UTF-8
LF
YAML
Go Live
Layout: US


refactored-robot-x5pvr4q55xwjcp69x.github.dev
INFO8995A4 [Codespaces: refactored robot]
EXPLORER
.devcontainer
gitea
jenkins
down.yml
persistent-volume.y...
up.yml
values.yaml
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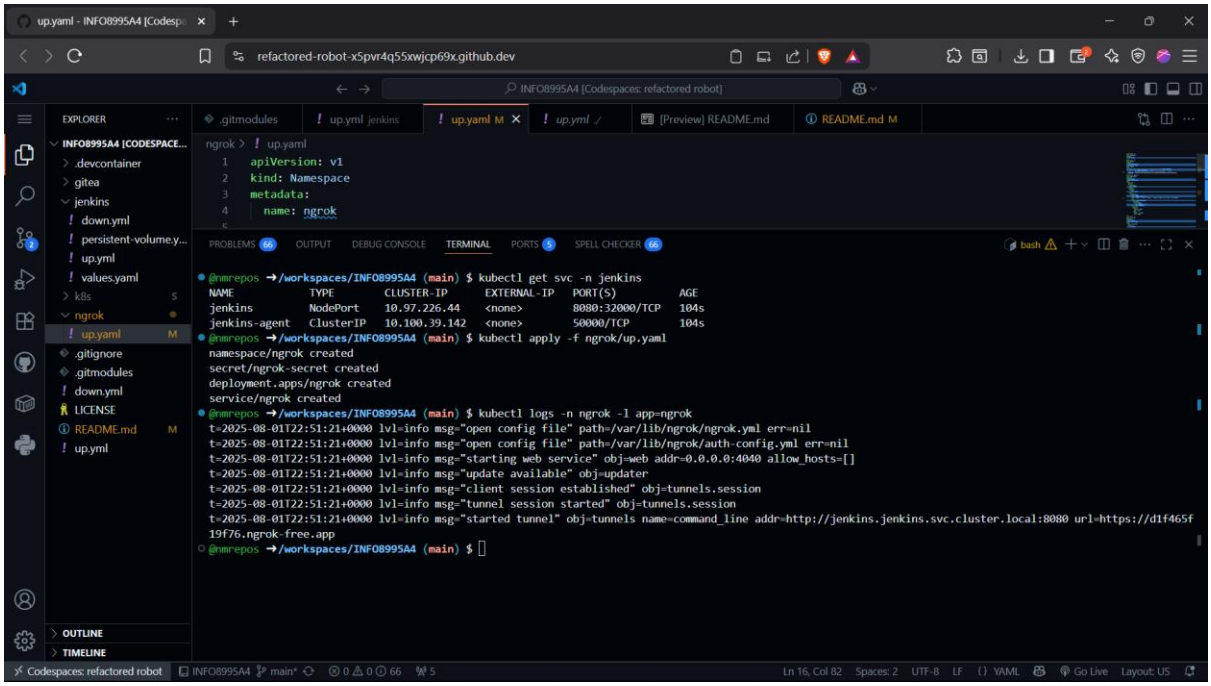
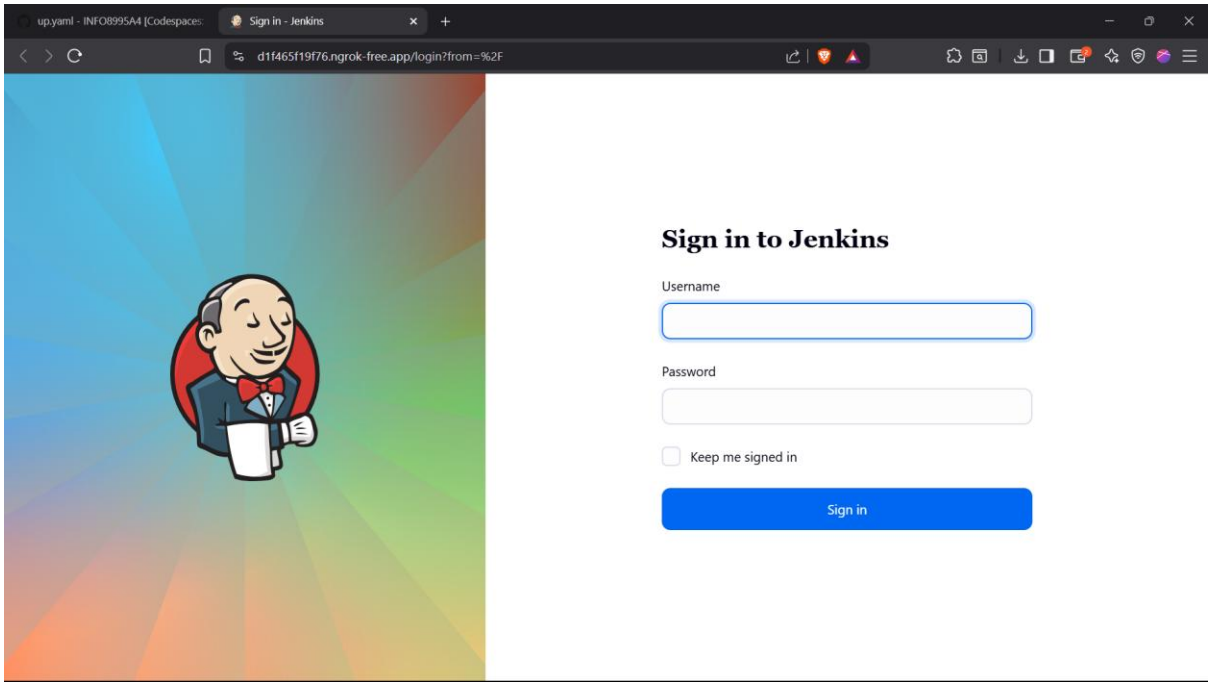
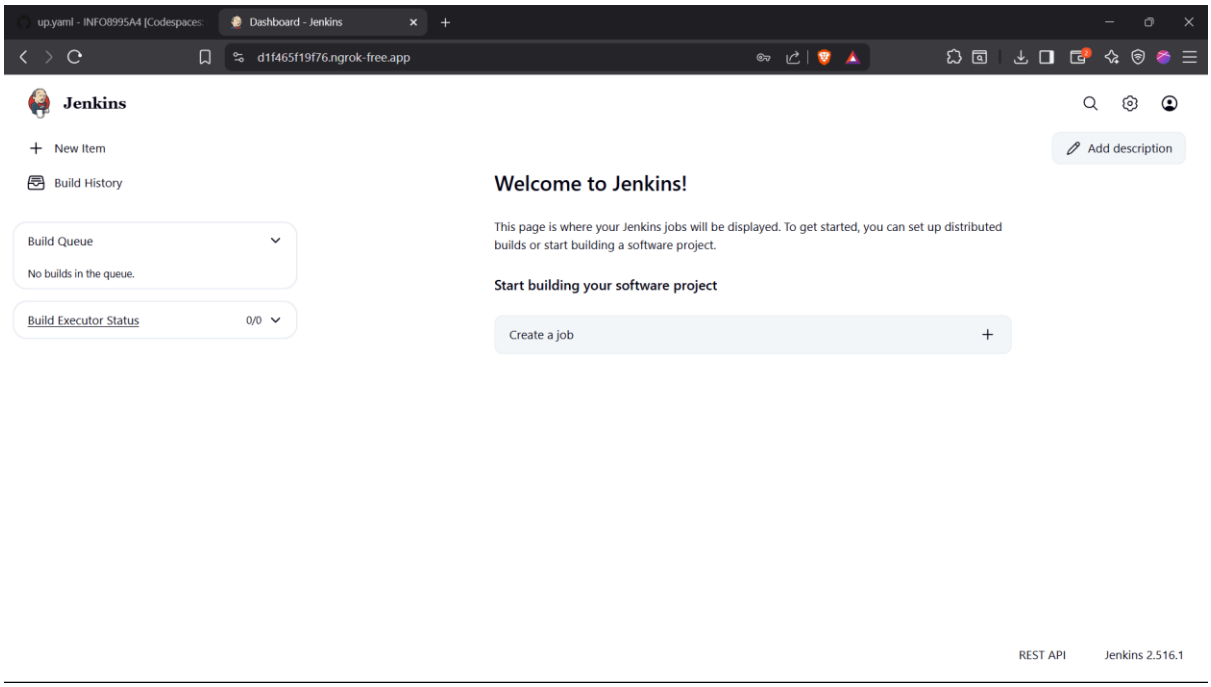
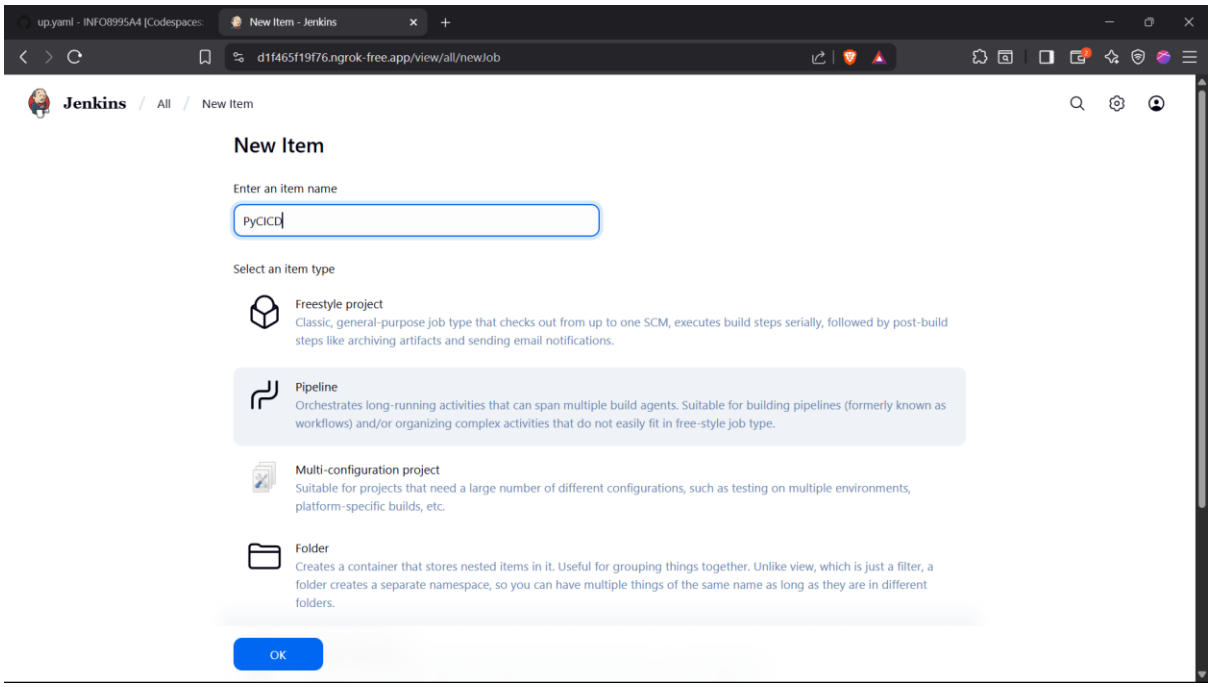
ngrok
up.yaml
.gitignore
.gitmodules
down.yml
LICENSE
README.md
up.yml
OUTLINE
TIMELINE
.gitmodules
up.yml jenkins
up.yaml M
[Preview] README.md
README.md M
jenkins > up.yml
1 ---
2 - hosts: localhost
3 tasks:
4 - name: Add Jenkins chart repo
5 kubernetes.core.helm_repository:
6 name: jenkins
7 repo_url: "https://charts.jenkins.io"
8
9 - name: Create Jenkins namespace
10 kubernetes.core.k8s:
PROBLEMS 66
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 5
SPELL CHECKER 66
bash - jenkins
@mmrepos →/workspaces/INFO8995A4/jenkins (main) $ ansible-playbook down.yml
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'
PLAY [localhost] ***
TASK [Gathering Facts] ***
ok: [localhost]
TASK [Remove Jenkins release and wait for completion] ***
changed: [localhost]
TASK [Remove Jenkins namespace] ***
changed: [localhost]
PLAY RECAP ***
localhost : ok=3 changed=2 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
@mmrepos →/workspaces/INFO8995A4/jenkins (main) $
Codespaces: refactored robot
INFO8995A4
main*
Ln 1, Col 1
Spaces: 2
UTF-8
LF
YAML
Go Live
Layout: US

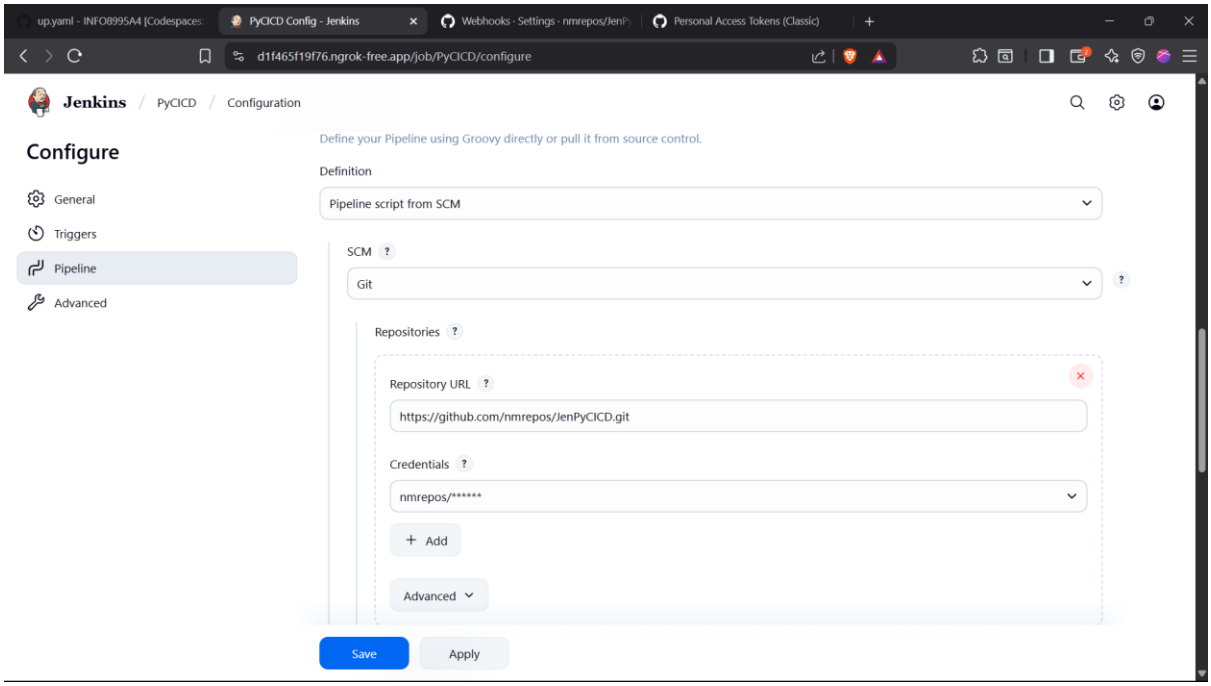

refactored-robot-x5pvr4q55xwjcp69x.github.dev
INFO8995A4 [Codespaces: refactored robot]
EXPLORER
INFO8995A4 [CODESPACE...
.devcontainer
gitea
jenkins
down.yml
persistent-volume.y...
up.yml
values.yaml
k8s
ngrok
up.yaml
.gitignore
.gitmodules
down.yml
LICENSE
README.md
up.yml
OUTLINE
TIMELINE
.gitmodules
up.yml jenkins
up.yaml M
up.yml
[Preview] README.md
README.md M
ngrok > up.yaml
1 apiVersion: v1
2 kind: Namespace
3 metadata:
4 name: ngrok
PROBLEMS 66
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 5
SPELL CHECKER 66
bash
@nmrepos →/workspaces/INFO8995A4 (main) $ kubectl get svc -n jenkins
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
jenkins NodePort 10.97.226.44 <none> 8080:32000/TCP 104s
jenkins-agent ClusterIP 10.100.39.142 <none> 50000/TCP 104s
@nmrepos →/workspaces/INFO8995A4 (main) $ kubectl apply -f ngrok/up.yaml
namespace/ngrok created
secret/ngrok-secret created
deployment.apps/ngrok created
service/ngrok created
@nmrepos →/workspaces/INFO8995A4 (main) $ kubectl logs -n ngrok -l app=ngrok
t=2025-08-01T22:51:21+0000 lvl=info msg="open config file" path=/var/lib/ngrok/ngrok.yml err=nil
t=2025-08-01T22:51:21+0000 lvl=info msg="open config file" path=/var/lib/ngrok/auth-config.yml err=nil
t=2025-08-01T22:51:21+0000 lvl=info msg="starting web service" obj=web addr=0.0.0.0:4040 allow_hosts=[]
t=2025-08-01T22:51:21+0000 lvl=info msg="update available" obj=updater
t=2025-08-01T22:51:21+0000 lvl=info msg="client session established" obj=tunnels.session
t=2025-08-01T22:51:21+0000 lvl=info msg="tunnel session started" obj=tunnels.session
t=2025-08-01T22:51:21+0000 lvl=info msg="started tunnel" obj=tunnels name=command_line addr=http://jenkins.jenkins.svc.cluster.local:8080 url=https://d1f465f19f76.ngrok-free.app
@nmrepos →/workspaces/INFO8995A4 (main) $
Codespaces: refactored robot
INFO8995A4 main*
Ln 16, Col 82
Spaces: 2
UTF-8
LF
YAML
Go Live
Layout: US

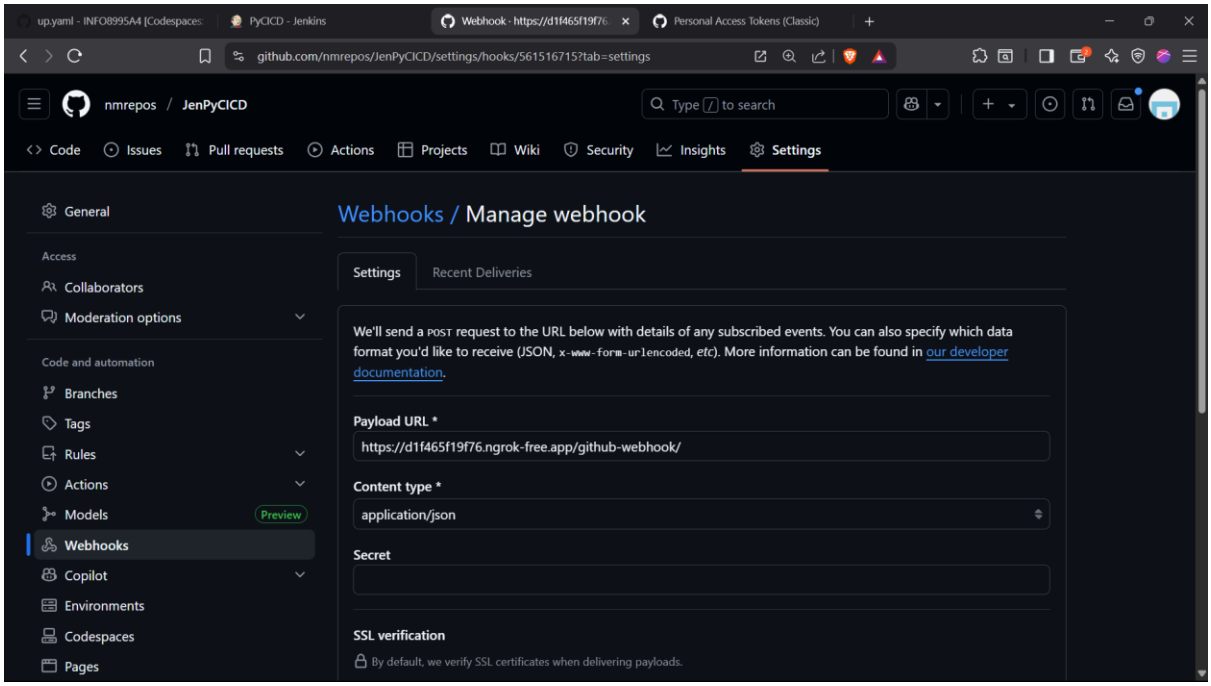

Sign in - Jenkins
d1f465f19f76.ngrok-free.app/login?from=%2F
Sign in to Jenkins
Username
Password
Keep me signed in
Sign in

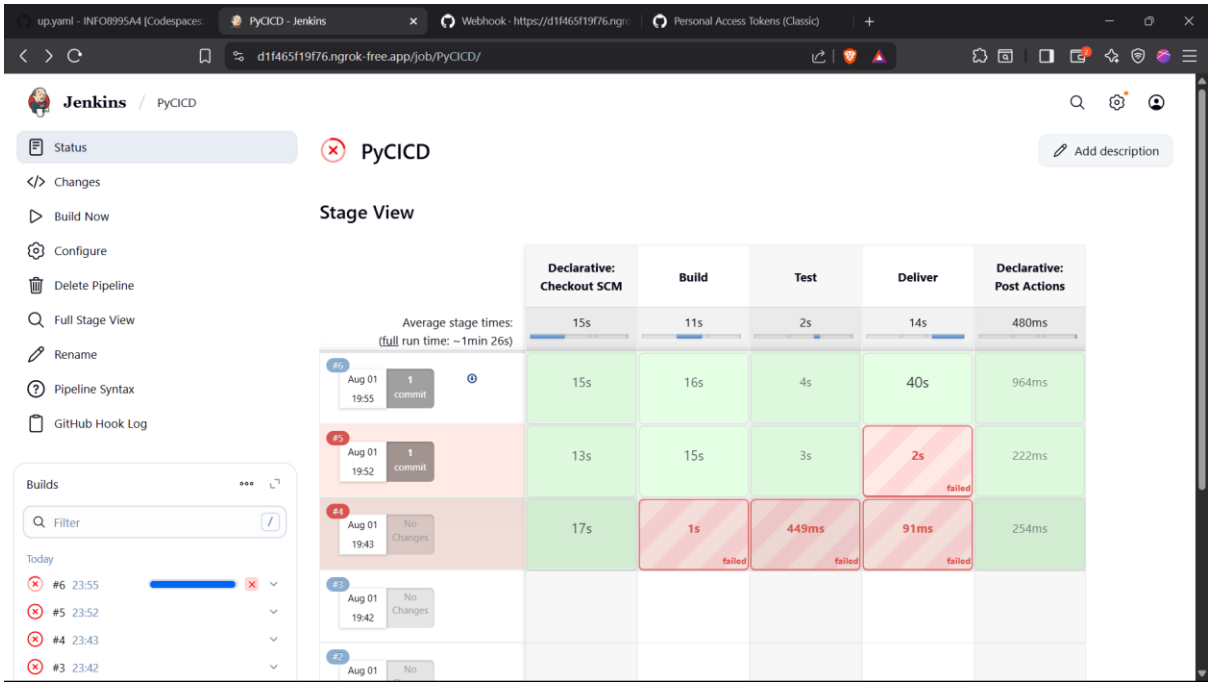
GITHUB + JENKINS

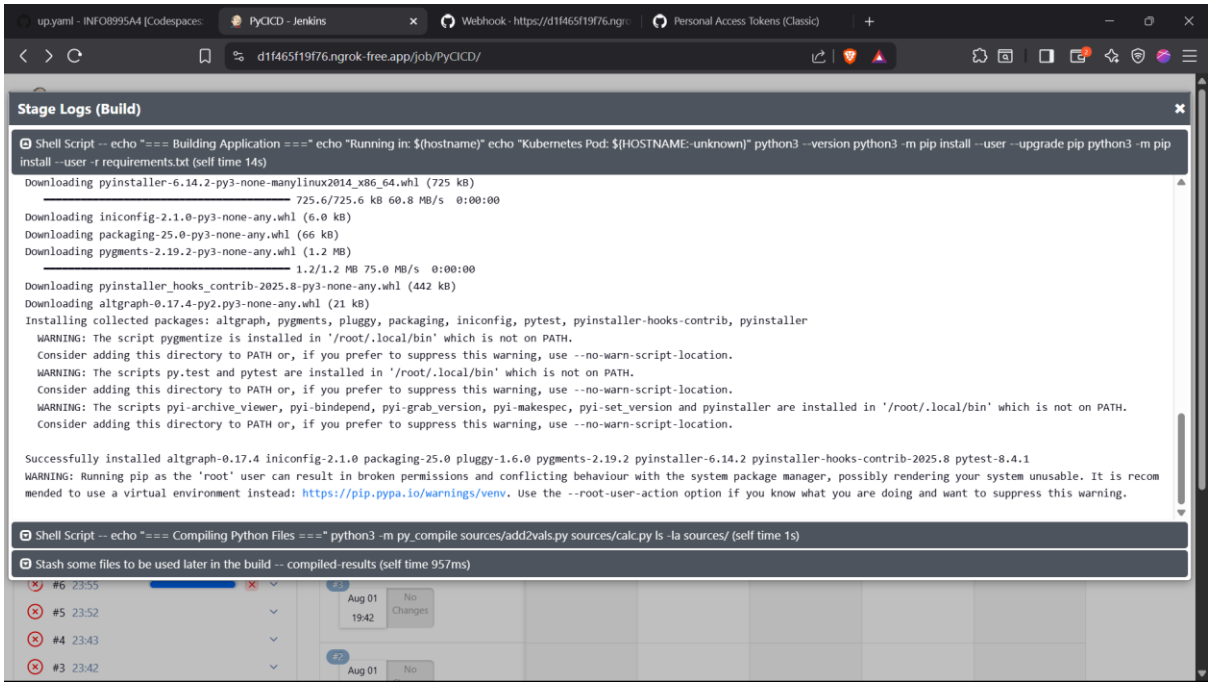


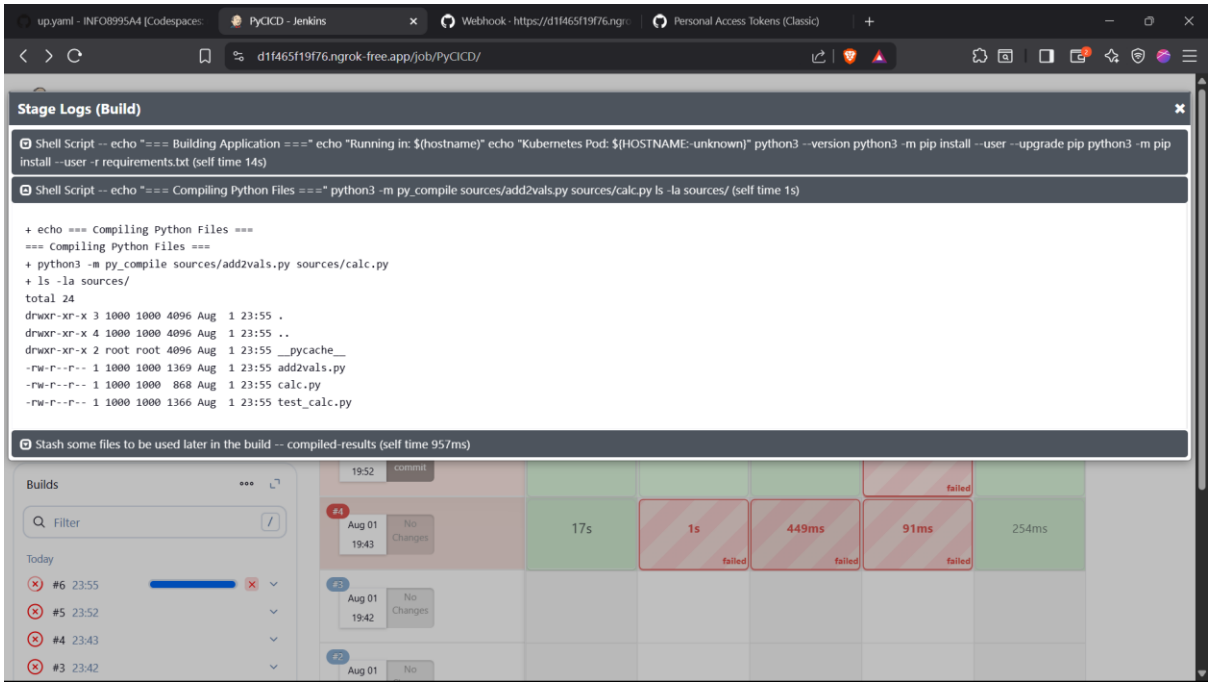


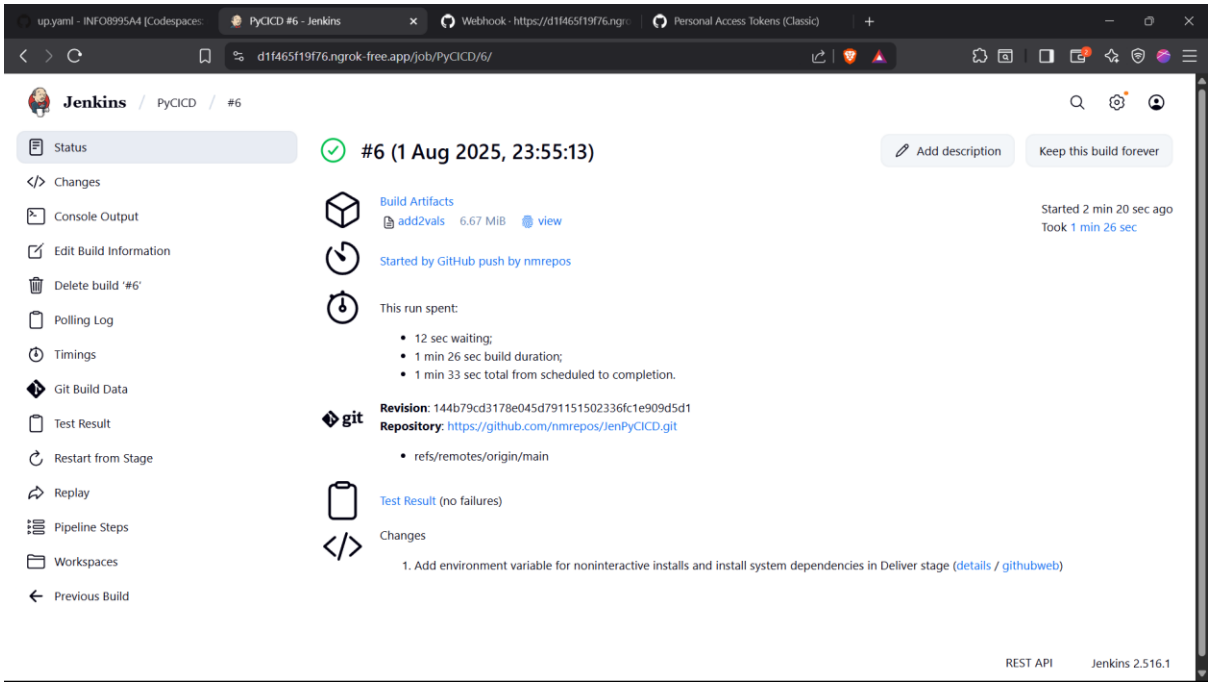

Jenkins / PyCICD / Configuration
Configure
General
Triggers
Pipeline
Advanced
Define your Pipeline using Groovy directly or pull it from source control.
Definition
Pipeline script from SCM
SCM
Git
Repositories
Repository URL
https://github.com/nmrepos/JenPyCICD.git
Credentials
nmrepos/******
Add
Advanced
Save
Apply

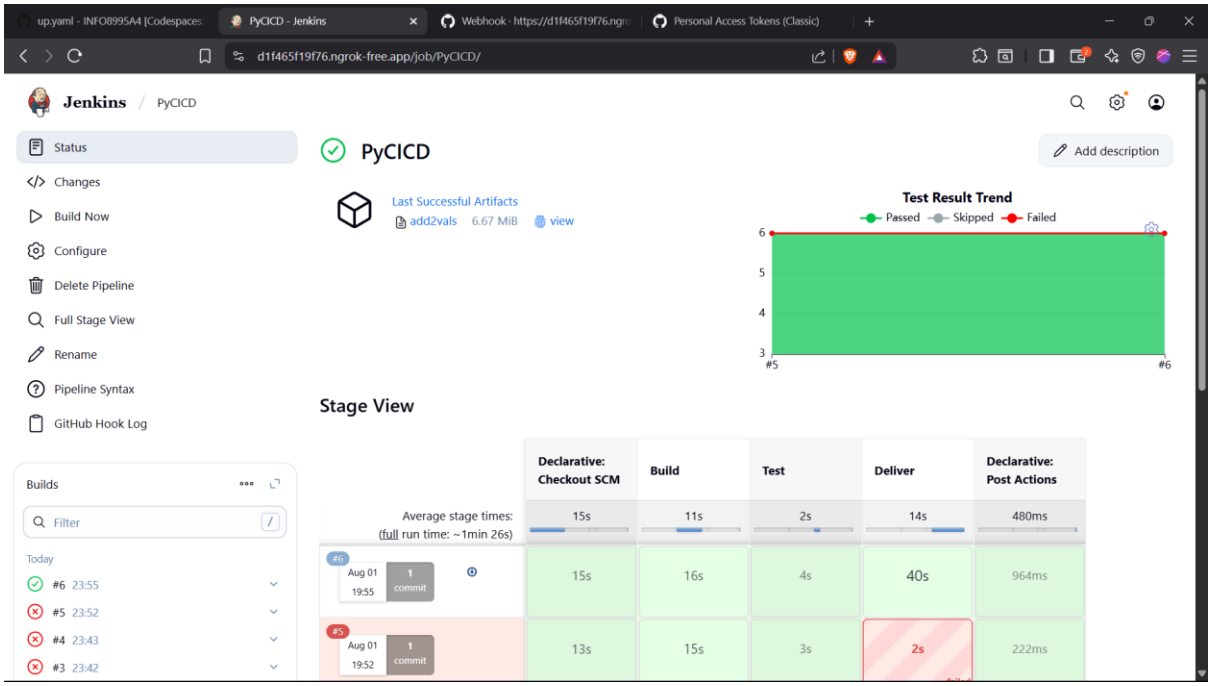

nmrepos / JenPyCICD
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
General
Access
Collaborators
Moderation options
Code and automation
Branches
Tags
Rules
Actions
Models
Preview
Webhooks
Copilot
Environments
Codespaces
Pages
Webhooks / Manage webhook
Settings
Recent Deliveries
We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in our developer documentation.
Payload URL *
https://d1f465f19f76.ngrok-free.app/github-webhook/
Content type *
application/json
Secret
SSL verification
By default, we verify SSL certificates when delivering payloads.


up.yaml - INFO8995A4 [Codespaces:
PyCICD - Jenkins
Webhook - https://d1f465f19f76.ngro
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/
Jenkins
PyCICD
Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Rename
Pipeline Syntax
GitHub Hook Log
Builds
Filter
Today
#6 23:55
#5 23:52
#4 23:43
#3 23:42
PyCICD
Add description
Stage View
Declarative: Checkout SCM
Build
Test
Deliver
Declarative: Post Actions
Average stage times:
(full run time: ~1min 26s)
15s
11s
2s
14s
480ms
Aug 01 19:55
1 commit
15s
16s
4s
40s
964ms
Aug 01 19:52
1 commit
13s
15s
3s
2s
failed
222ms
Aug 01 19:43
No Changes
17s
1s
failed
449ms
failed
91ms
failed
254ms
Aug 01 19:42
No Changes
Aug 01
No


up.yaml - INFO8995A4 [Codespaces:
PyCICD - Jenkins
Webhook - https://d1f465f19f76.ngro
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/
Stage Logs (Build)
Shell Script -- echo "=== Building Application ===" echo "Running in: $(hostname)" echo "Kubernetes Pod: ${HOSTNAME:-unknown}" python3 --version python3 -m pip install --user --upgrade pip python3 -m pip install --user -r requirements.txt (self time 14s)
Downloading pyinstaller-6.14.2-py3-none-manylinux2014_x86_64.whl (725 kB)
725.6/725.6 kB 60.8 MB/s 0:00:00
Downloading iniconfig-2.1.0-py3-none-any.whl (6.0 kB)
Downloading packaging-25.0-py3-none-any.whl (66 kB)
Downloading pygments-2.19.2-py3-none-any.whl (1.2 MB)
1.2/1.2 MB 75.0 MB/s 0:00:00
Downloading pyinstaller_hooks_contrib-2025.8-py3-none-any.whl (442 kB)
Downloading altgraph-0.17.4-py2.py3-none-any.whl (21 kB)
Installing collected packages: altgraph, pygments, pluggy, packaging, iniconfig, pytest, pyinstaller-hooks-contrib, pyinstaller
WARNING: The script pygmentize is installed in '/root/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts py.test and pytest are installed in '/root/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts pyi-archive_viewer, pyi-bindepend, pyi-grab_version, pyi-makespec, pyi-set_version and pyinstaller are installed in '/root/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed altgraph-0.17.4 iniconfig-2.1.0 packaging-25.0 pluggy-1.6.0 pygments-2.19.2 pyinstaller-6.14.2 pyinstaller-hooks-contrib-2025.8 pytest-8.4.1
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager, possibly rendering your system unusable. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv. Use the --root-user-action option if you know what you are doing and want to suppress this warning.
Shell Script -- echo "=== Compiling Python Files ===" python3 -m py_compile sources/add2vals.py sources/calc.py ls -la sources/ (self time 1s)
Stash some files to be used later in the build -- compiled-results (self time 957ms)
#6 23:55
#5 23:52
#4 23:43
#3 23:42
Aug 01 19:42
No Changes
Aug 01
No


up.yaml - INFO8995A4 [Codespaces:
PyCICD - Jenkins
Webhook - https://d1f465f19f76.ngro
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/
Stage Logs (Build)
Shell Script -- echo "=== Building Application ===" echo "Running in: $(hostname)" echo "Kubernetes Pod: $(HOSTNAME:-unknown)" python3 --version python3 -m pip install --user --upgrade pip python3 -m pip install --user -r requirements.txt (self time 14s)
Shell Script -- echo "=== Compiling Python Files ===" python3 -m py_compile sources/add2vals.py sources/calc.py ls -la sources/ (self time 1s)
+ echo === Compiling Python Files ===
=== Compiling Python Files ===
+ python3 -m py_compile sources/add2vals.py sources/calc.py
+ ls -la sources/
total 24
drwxr-xr-x 3 1000 1000 4096 Aug 1 23:55 .
drwxr-xr-x 4 1000 1000 4096 Aug 1 23:55 ..
drwxr-xr-x 2 root root 4096 Aug 1 23:55 __pycache__
-rw-r--r-- 1 1000 1000 1369 Aug 1 23:55 add2vals.py
-rw-r--r-- 1 1000 1000 868 Aug 1 23:55 calc.py
-rw-r--r-- 1 1000 1000 1366 Aug 1 23:55 test_calc.py
Stash some files to be used later in the build -- compiled-results (self time 957ms)
Builds
Filter
Today
#6 23:55
#5 23:52
#4 23:43
#3 23:42
17s
1s
449ms
91ms
254ms


up.yaml - INFO8995A4 [Codespaces:
PyCICD #6 - Jenkins
Webhook - https://d1f465f19f76.ngro
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/6/
Jenkins / PyCICD / #6
Status
Changes
Console Output
Edit Build Information
Delete build '#6'
Polling Log
Timings
Git Build Data
Test Result
Restart from Stage
Replay
Pipeline Steps
Workspaces
Previous Build
#6 (1 Aug 2025, 23:55:13)
Add description
Keep this build forever
Build Artifacts
add2vals 6.67 MiB view
Started 2 min 20 sec ago
Took 1 min 26 sec
Started by GitHub push by nmrepos
This run spent:
12 sec waiting;
1 min 26 sec build duration;
1 min 33 sec total from scheduled to completion.
Revision: 144b79cd3178e045d791151502336fc1e909d5d1
Repository: https://github.com/nmrepos/JenPyCICD.git
refs/remotes/origin/main
Test Result (no failures)
Changes
1. Add environment variable for noninteractive installs and install system dependencies in Deliver stage (details / githubweb)
REST API
Jenkins 2.516.1


up.yaml - INFO8995A4 [Codespaces:
PyCICD - Jenkins
Webhook - https://d1f465f19f76.ngrc
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/
Jenkins
PyCICD
Status
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Build Now
Configure
Delete Pipeline
Full Stage View
Rename
Pipeline Syntax
GitHub Hook Log
PyCICD
Add description
Last Successful Artifacts
add2vals 6.67 MiB view
Test Result Trend
Passed
Skipped
Failed
6
5
4
3
#5
#6
Stage View
Declarative: Checkout SCM
Build
Test
Deliver
Declarative: Post Actions
Average stage times:
(full run time: ~1min 26s)
15s
11s
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14s
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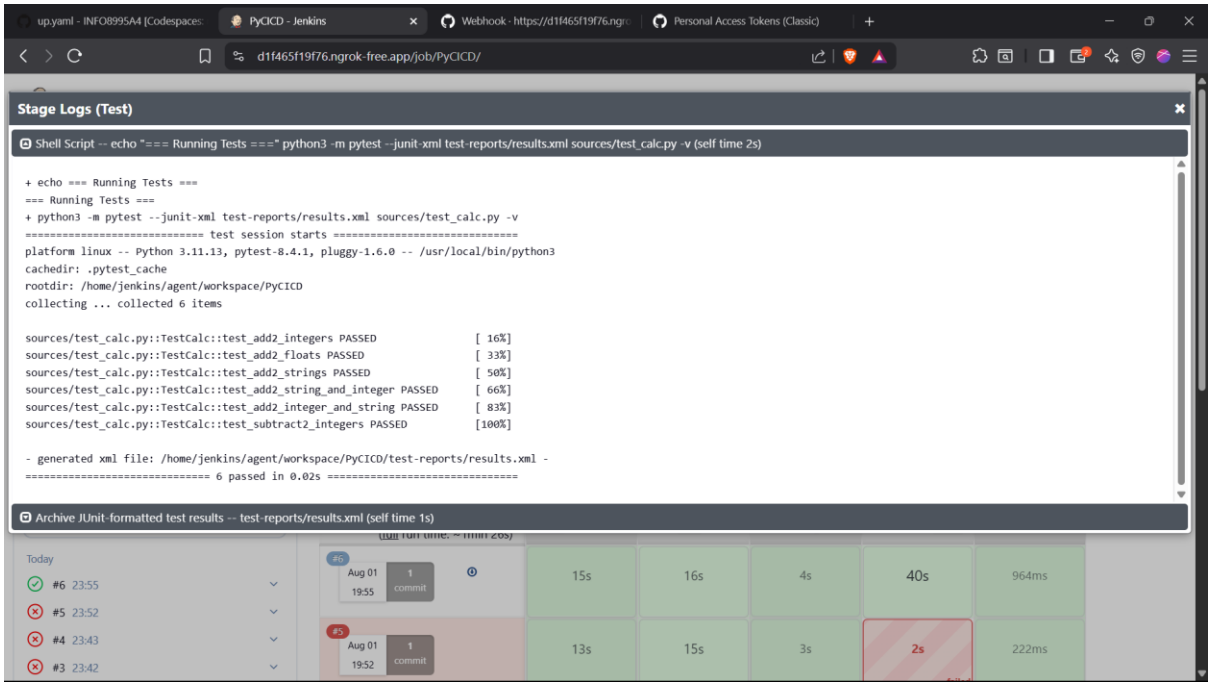
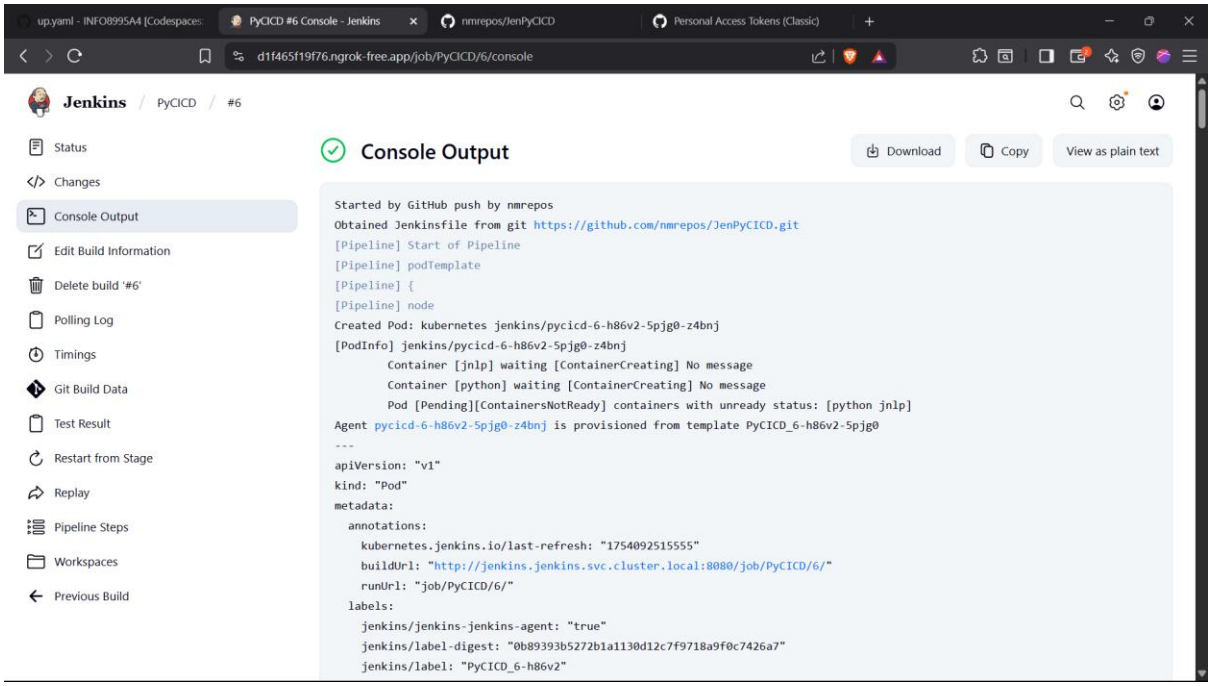
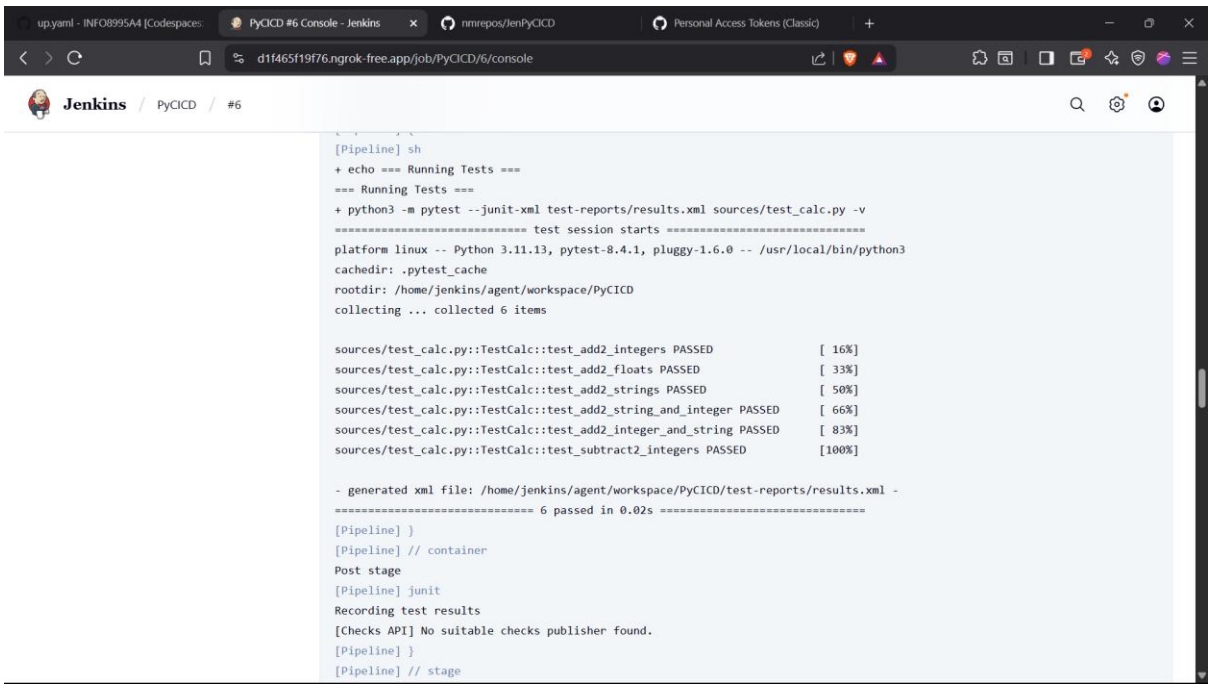
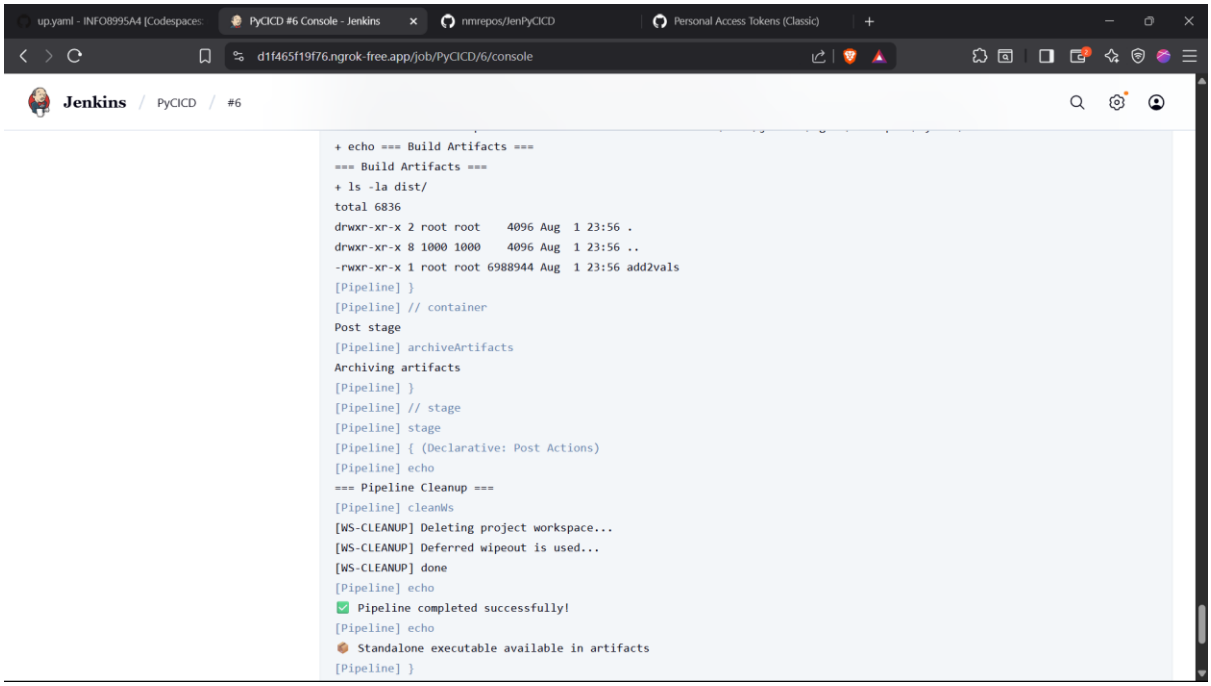
#3 23:42
Aug 01
19:55
1 commit
15s
16s
4s
40s
964ms
Aug 01
19:52
1 commit
13s
15s
3s
2s
222ms

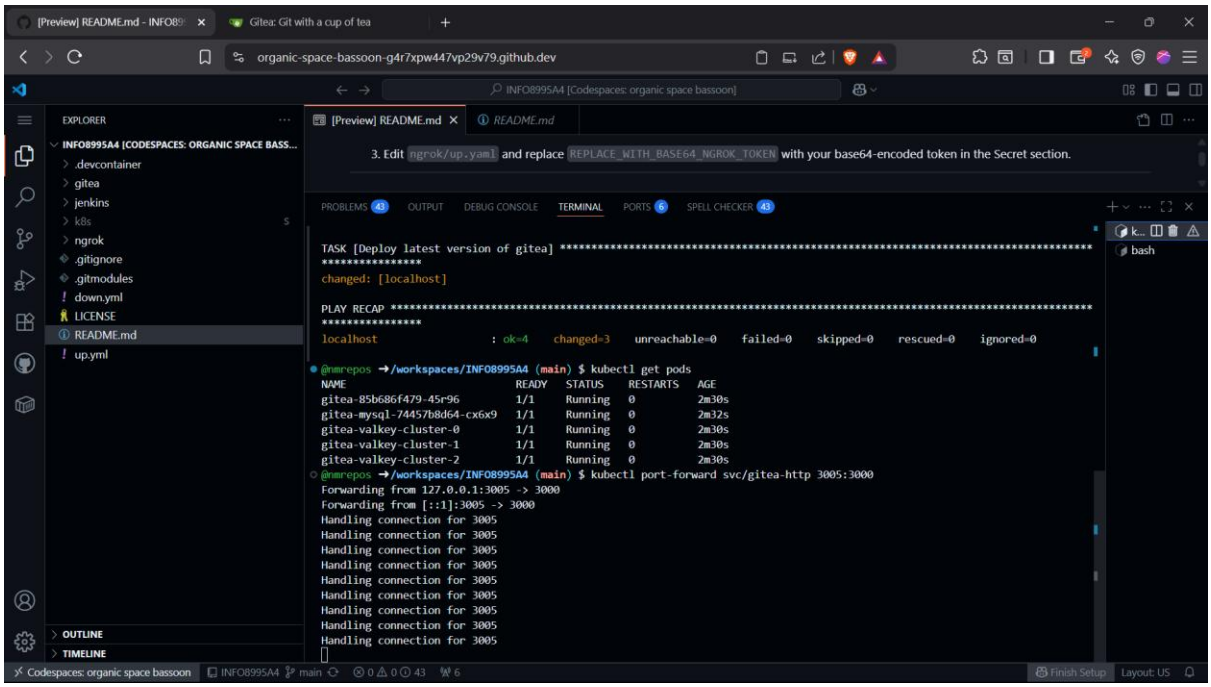

up.yaml - INFO8995A4 [Codespaces:
PyCICD - Jenkins
Webhook - https://d1f465f19f76.ngrc
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/
Stage Logs (Test)
Shell Script -- echo "=== Running Tests ===" python3 -m pytest --junit-xml test-reports/results.xml sources/test_calc.py -v (self time 2s)
+ echo === Running Tests ===
=== Running Tests ===
+ python3 -m pytest --junit-xml test-reports/results.xml sources/test_calc.py -v
============================= test session starts ==============================
platform linux -- Python 3.11.13, pytest-8.4.1, pluggy-1.6.0 -- /usr/local/bin/python3
cachedir: .pytest_cache
rootdir: /home/jenkins/agent/workspace/PyCICD
collecting ... collected 6 items
sources/test_calc.py::TestCalc::test_add2_integers PASSED [16%]
sources/test_calc.py::TestCalc::test_add2_floats PASSED [33%]
sources/test_calc.py::TestCalc::test_add2_strings PASSED [50%]
sources/test_calc.py::TestCalc::test_add2_string_and_integer PASSED [66%]
sources/test_calc.py::TestCalc::test_add2_integer_and_string PASSED [83%]
sources/test_calc.py::TestCalc::test_subtract2_integers PASSED [100%]
- generated xml file: /home/jenkins/agent/workspace/PyCICD/test-reports/results.xml -
============================== 6 passed in 0.02s ===============================
Archive JUnit-formatted test results -- test-reports/results.xml (self time 1s)
Today
#6 23:55
#5 23:52
#4 23:43
#3 23:42
Aug 01
19:55
1 commit
15s
16s
4s
40s
964ms
Aug 01
19:52
1 commit
13s
15s
3s
2s
222ms

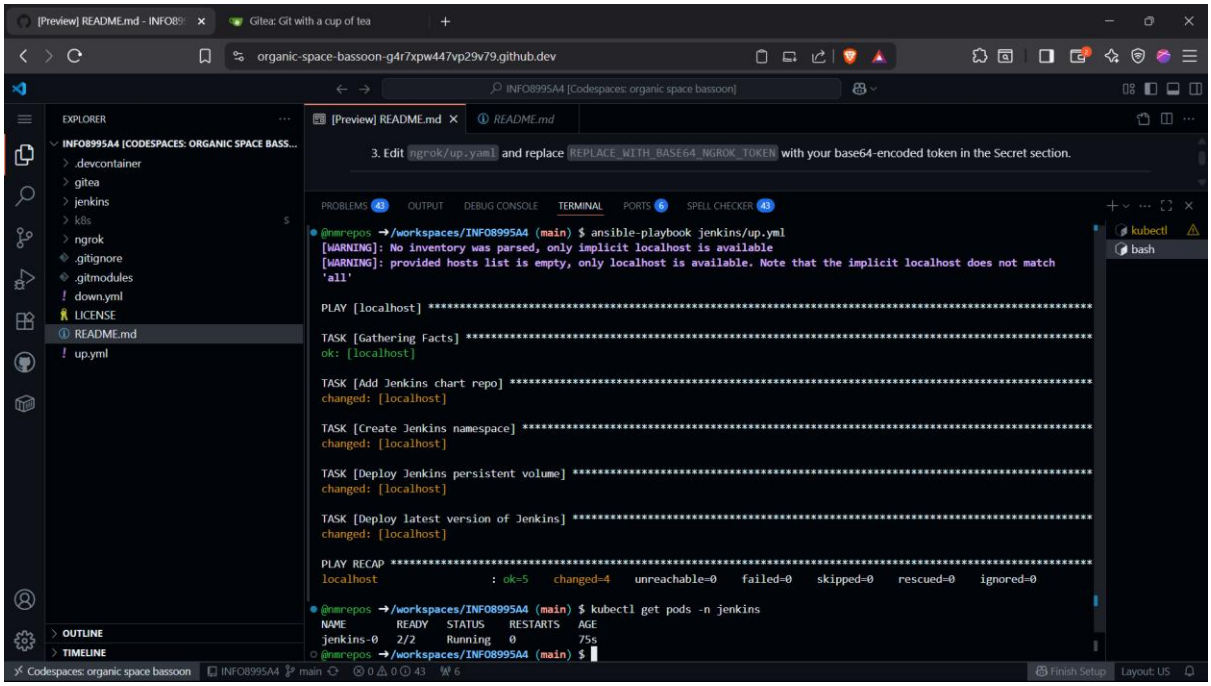

up.yaml - INFO8995A4 [Codespaces:
PyCICD #6 Console - Jenkins
nmrepos/JenPyCICD
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/6/console
Jenkins / PyCICD / #6
Status
Changes
Console Output
Edit Build Information
Delete build '#6'
Polling Log
Timings
Git Build Data
Test Result
Restart from Stage
Replay
Pipeline Steps
Workspaces
Previous Build
Console Output
Download
Copy
View as plain text
Started by GitHub push by nmrepos
Obtained Jenkinsfile from git https://github.com/nmrepos/JenPyCICD.git
[Pipeline] Start of Pipeline
[Pipeline] podTemplate
[Pipeline] {
[Pipeline] node
Created Pod: kubernetes jenkins/pycicd-6-h86v2-5pjg0-z4bnj
[PodInfo] jenkins/pycicd-6-h86v2-5pjg0-z4bnj
Container [jnlp] waiting [ContainerCreating] No message
Container [python] waiting [ContainerCreating] No message
Pod [Pending][ContainersNotReady] containers with unready status: [python jnlp]
Agent pycicd-6-h86v2-5pjg0-z4bnj is provisioned from template PyCICD_6-h86v2-5pjg0
---
apiVersion: "v1"
kind: "Pod"
metadata:
annotations:
kubernetes.jenkins.io/last-refresh: "1754092515555"
buildUrl: "http://jenkins.jenkins.svc.cluster.local:8080/job/PyCICD/6/"
runUrl: "job/PyCICD/6/"
labels:
jenkins/jenkins-jenkins-agent: "true"
jenkins/label-digest: "0b89393b5272b1a1130d12c7f9718a9f0c7426a7"
jenkins/label: "PyCICD_6-h86v2"

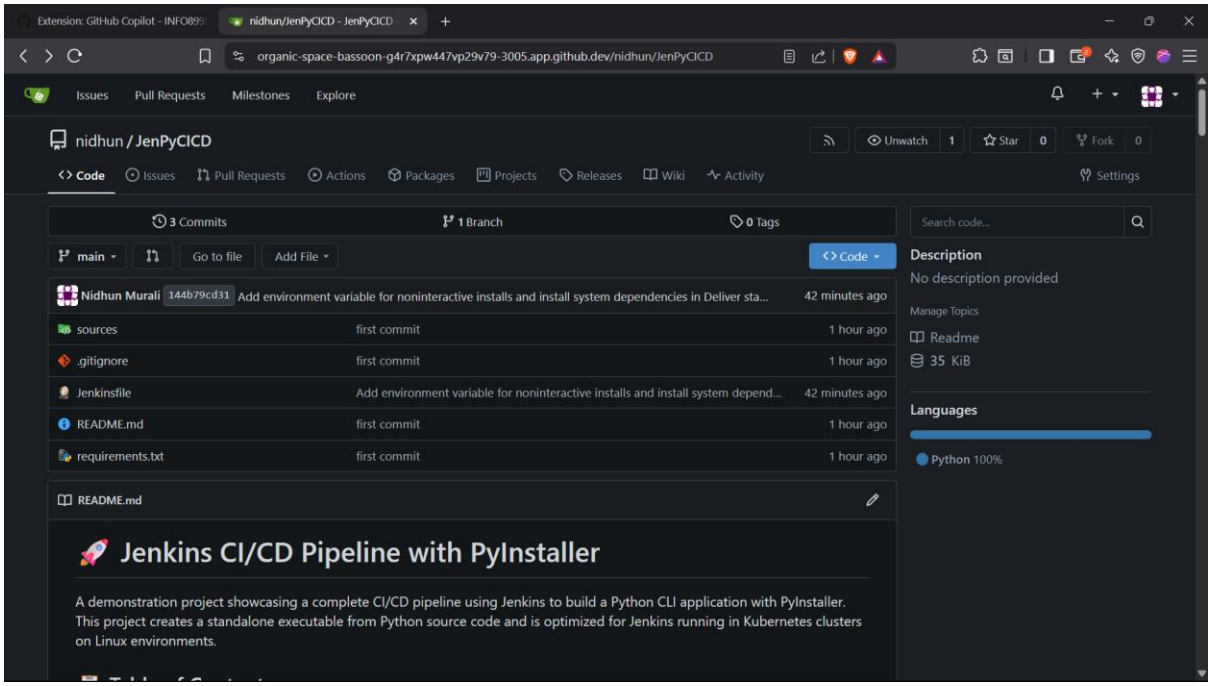

up.yaml - INFO8995A4 [Codespaces:
PyCICD #6 Console - Jenkins
nmrepos/JenPyCICD
Personal Access Tokens (Classic)
d1f465f19f76.ngrok-free.app/job/PyCICD/6/console
Jenkins / PyCICD / #6
[Pipeline] sh
+ echo === Running Tests ===
=== Running Tests ===
+ python3 -m pytest --junit-xml test-reports/results.xml sources/test_calc.py -v
============================= test session starts ==============================
platform linux -- Python 3.11.13, pytest-8.4.1, pluggy-1.6.0 -- /usr/local/bin/python3
cachedir: .pytest_cache
rootdir: /home/jenkins/agent/workspace/PyCICD
collecting ... collected 6 items
sources/test_calc.py::TestCalc::test_add2_integers PASSED [16%]
sources/test_calc.py::TestCalc::test_add2_floats PASSED [33%]
sources/test_calc.py::TestCalc::test_add2_strings PASSED [50%]
sources/test_calc.py::TestCalc::test_add2_string_and_integer PASSED [66%]
sources/test_calc.py::TestCalc::test_add2_integer_and_string PASSED [83%]
sources/test_calc.py::TestCalc::test_subtract2_integers PASSED [100%]
- generated xml file: /home/jenkins/agent/workspace/PyCICD/test-reports/results.xml -
============================== 6 passed in 0.02s ===============================
[Pipeline] }
[Pipeline] // container
Post stage
[Pipeline] junit
Recording test results
[Checks API] No suitable checks publisher found.
[Pipeline] }
[Pipeline] // stage

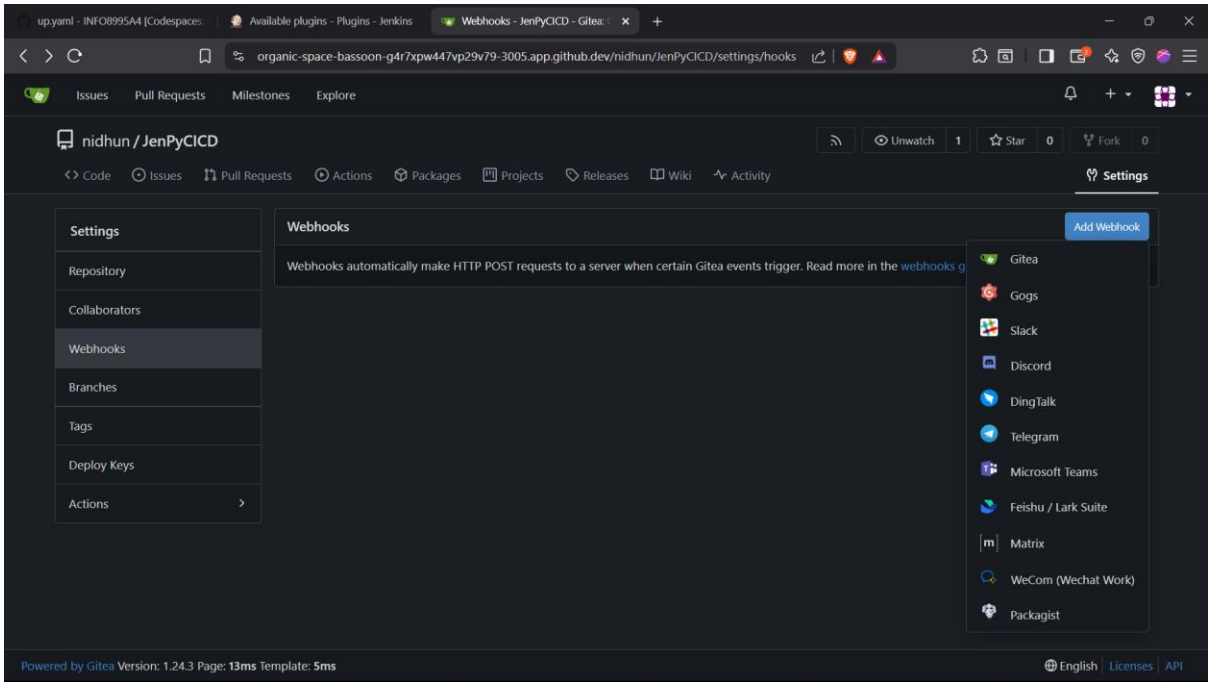


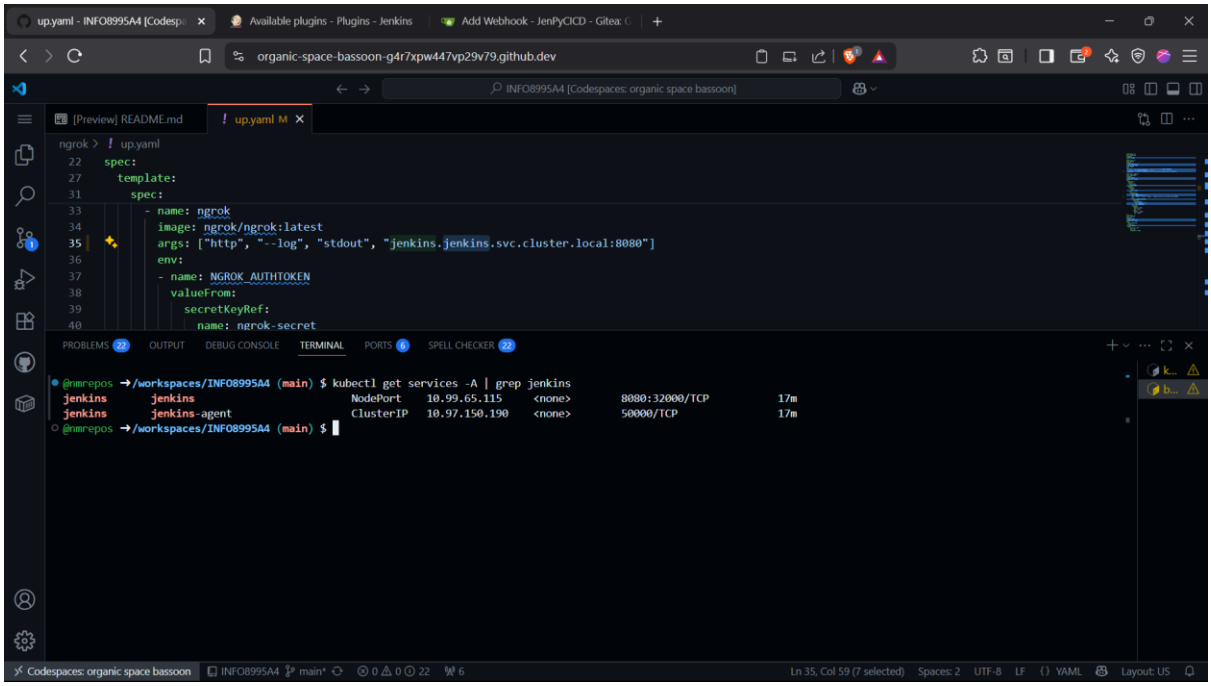
GITEA + JENKINS

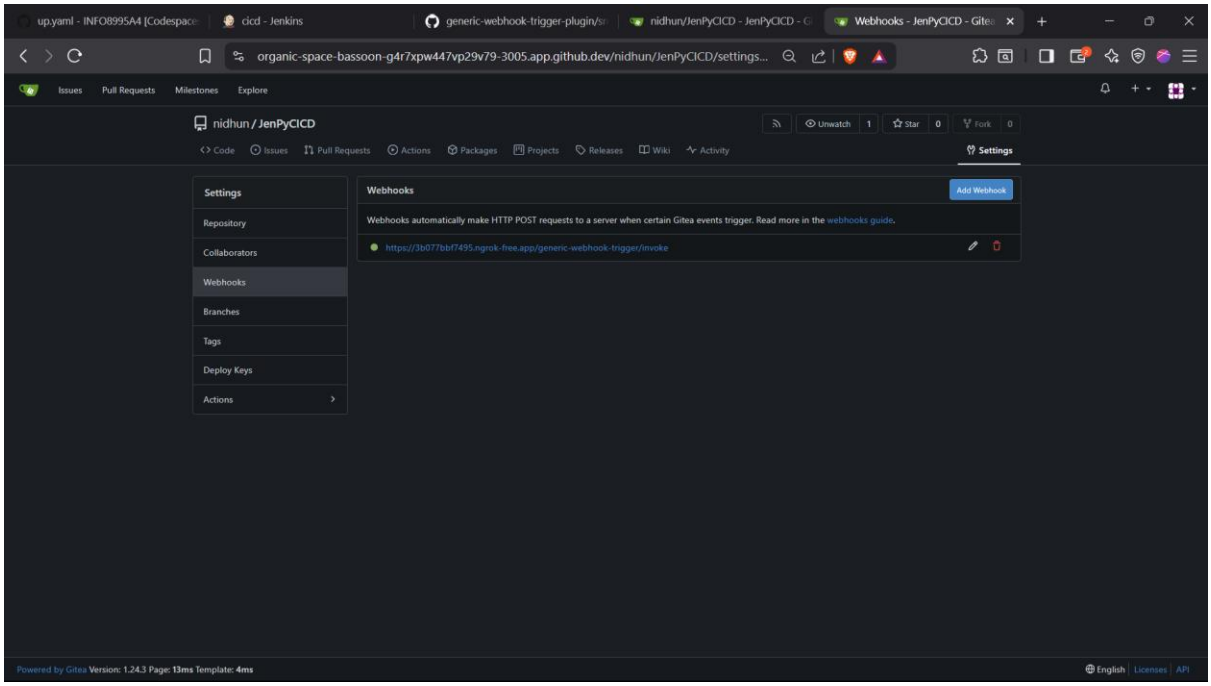


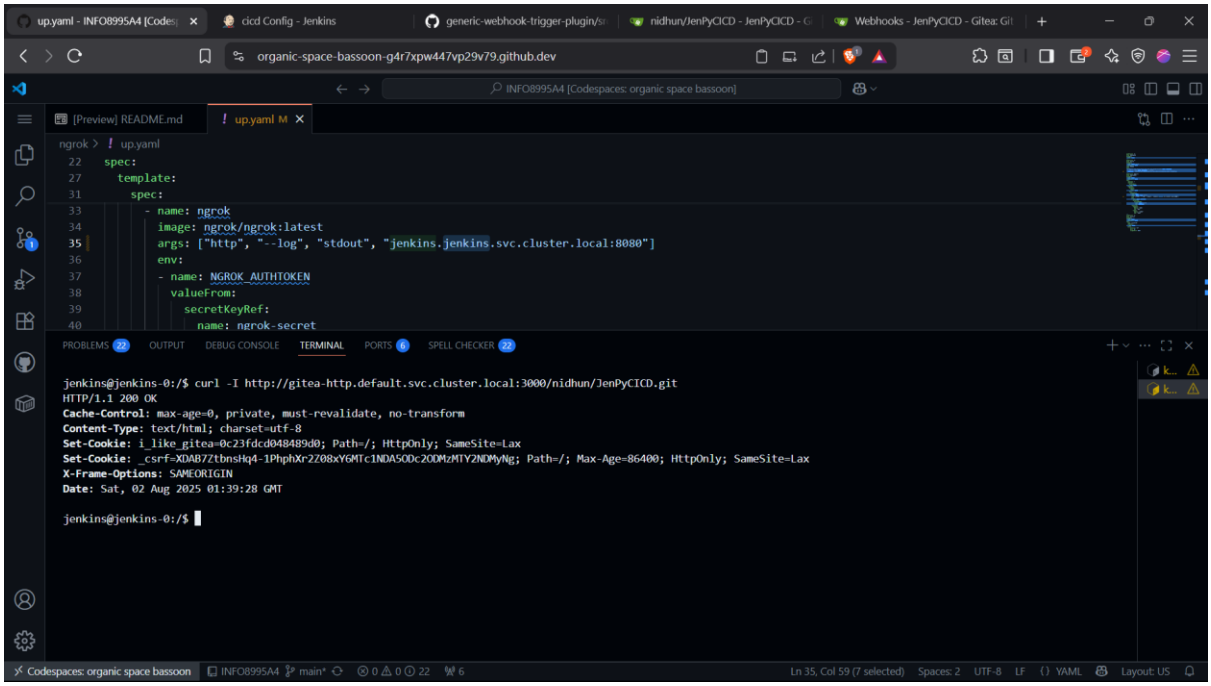

[Preview] README.md - INFO89
Gitea: Git with a cup of tea
organic-space-bassoon-g4r7xpw447vp29v79.github.dev
INFO8995A4 [Codespaces: organic space bassoon]
EXPLORER
INFO8995A4 [CODESPACES: ORGANIC SPACE BASS...
.devcontainer
gitea
jenkins
k8s
ngrok
.gitignore
.gitmodules
down.yml
LICENSE
README.md
up.yml
[Preview] README.md
README.md
3. Edit ngrok/up.yaml and replace REPLACE_WITH_BASE64_NGROK_TOKEN with your base64-encoded token in the Secret section.
PROBLEMS 43
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 6
SPELL CHECKER 43
@nmrepos →/workspaces/INFO8995A4 (main) $ ansible-playbook jenkins/up.yml
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match 'all'
PLAY [localhost]
TASK [Gathering Facts]
ok: [localhost]
TASK [Add Jenkins chart repo]
changed: [localhost]
TASK [Create Jenkins namespace]
changed: [localhost]
TASK [Deploy Jenkins persistent volume]
changed: [localhost]
TASK [Deploy latest version of Jenkins]
changed: [localhost]
PLAY RECAP
localhost : ok=5 changed=4 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0
@nmrepos →/workspaces/INFO8995A4 (main) $ kubectl get pods -n jenkins
NAME READY STATUS RESTARTS AGE
jenkins-0 2/2 Running 0 75s
@nmrepos →/workspaces/INFO8995A4 (main) $
kubectl
bash
OUTLINE
TIMELINE
Codespaces: organic space bassoon
INFO8995A4
main
Finish Setup
Layout: US

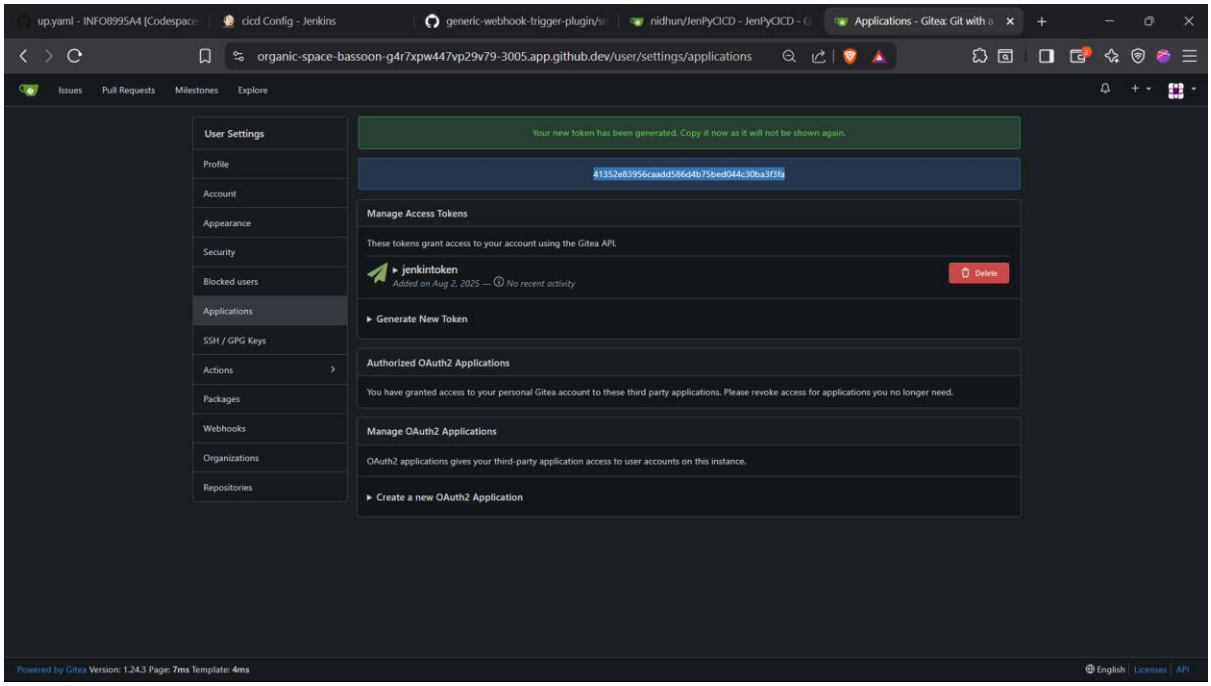

Extension: GitHub Copilot - INFO89
nidhun/JenPyCICD - JenPyCICD
organic-space-bassoon-g4r7xpw447vp29v79-3005.app.github.dev/nidhun/JenPyCICD
Issues
Pull Requests
Milestones
Explore
nidhun / JenPyCICD
Unwatch 1
Star 0
Fork 0
Code
Issues
Pull Requests
Actions
Packages
Projects
Releases
Wiki
Activity
Settings
3 Commits
1 Branch
0 Tags
Search code...
main
Go to file
Add File
Code
Nidhun Murali 144b79cd31 Add environment variable for noninteractive installs and install system dependencies in Deliver sta... 42 minutes ago
sources first commit 1 hour ago
.gitignore first commit 1 hour ago
Jenkinsfile Add environment variable for noninteractive installs and install system depend... 42 minutes ago
README.md first commit 1 hour ago
requirements.txt first commit 1 hour ago
Description
No description provided
Manage Topics
Readme
35 KiB
Languages
Python 100%
README.md
Jenkins CI/CD Pipeline with PyInstaller
A demonstration project showcasing a complete CI/CD pipeline using Jenkins to build a Python CLI application with PyInstaller. This project creates a standalone executable from Python source code and is optimized for Jenkins running in Kubernetes clusters on Linux environments.

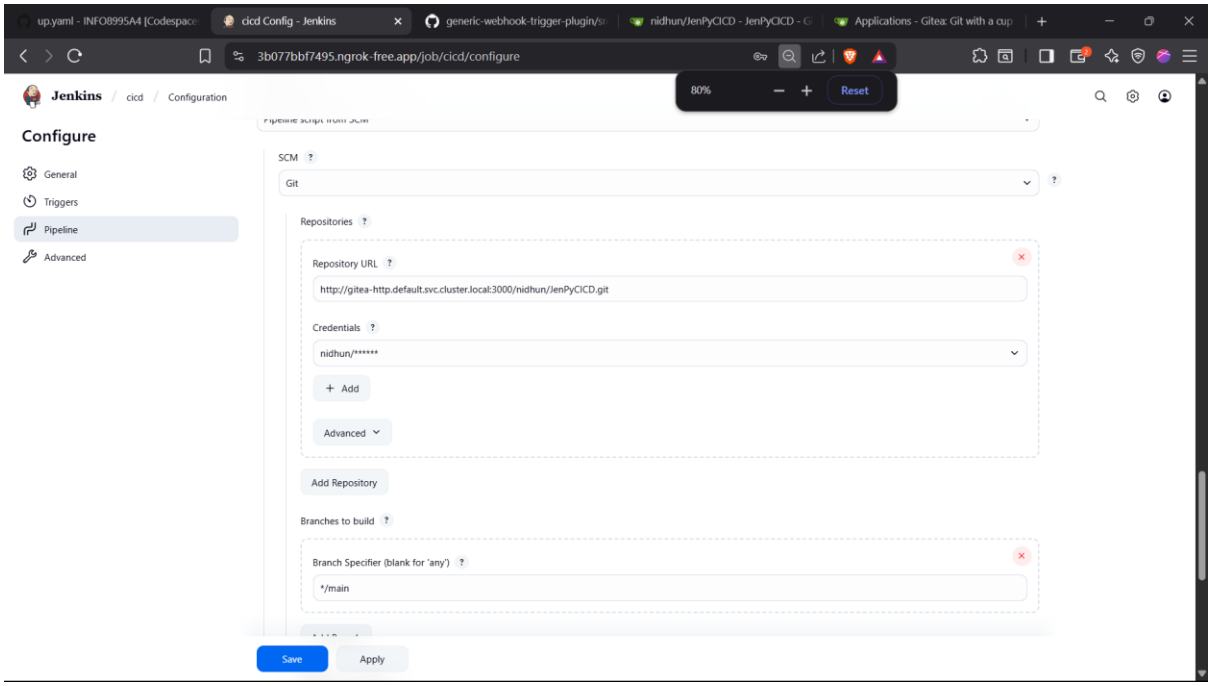

Webhooks - JenPyCICD - Gitea
organic-space-bassoon-g4r7xpw447vp29v79-3005.app.github.dev/nidhun/JenPyCICD/settings/hooks
Issues
Pull Requests
Milestones
Explore
nidhun / JenPyCICD
Unwatch 1
Star 0
Fork 0
Code
Issues
Pull Requests
Actions
Packages
Projects
Releases
Wiki
Activity
Settings
Settings
Repository
Collaborators
Webhooks
Branches
Tags
Deploy Keys
Actions
Webhooks
Add Webhook
Webhooks automatically make HTTP POST requests to a server when certain Gitea events trigger. Read more in the webhooks g
Gitea
Gogs
Slack
Discord
DingTalk
Telegram
Microsoft Teams
Feishu / Lark Suite
Matrix
WeCom (Wechat Work)
Packagist
Powered by Gitea Version: 1.24.3 Page: 13ms Template: 5ms
English
Licenses
API

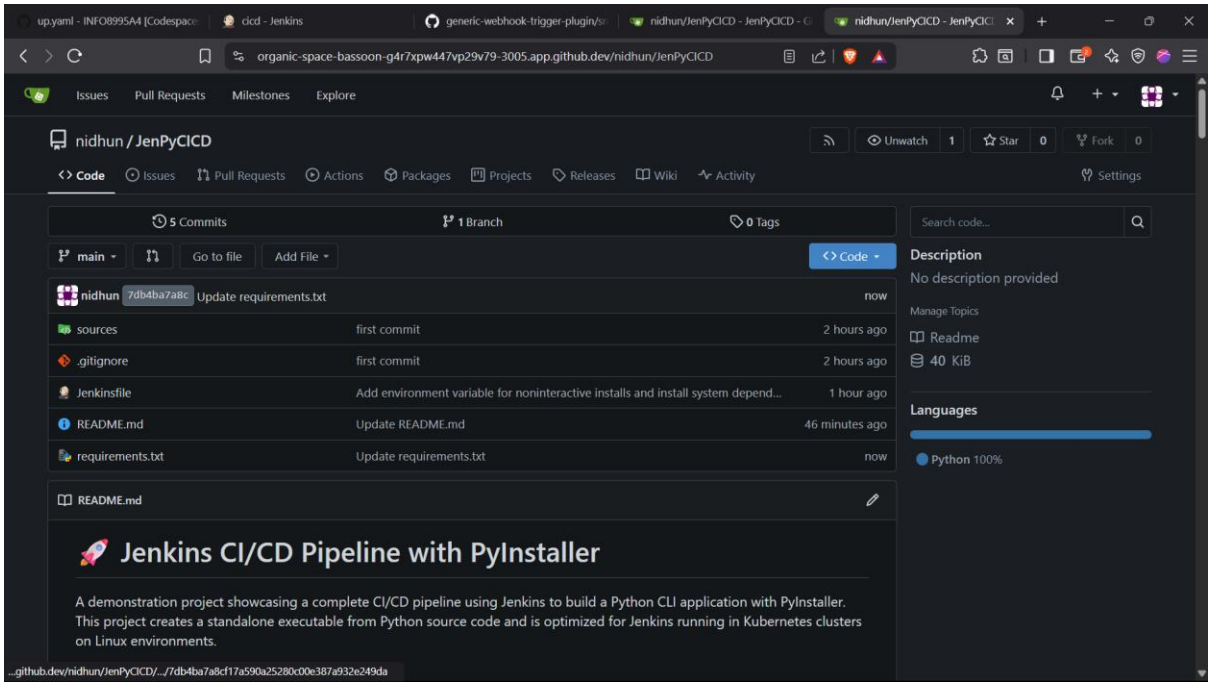

Add Webhook - JenPyCICD - Gitea
organic-space-bassoon-g4r7xpw447vp29v79.github.dev
INFO8995A4 [Codespaces: organic space bassoon]
[Preview] README.md
up.yaml M
ngrok > up.yaml
spec:
template:
spec:
- name: ngrok
image: ngrok/ngrok:latest
args: ["http", "--log", "stdout", "jenkins.jenkins.svc.cluster.local:8080"]
env:
- name: NGROK_AUTHTOKEN
valueFrom:
secretKeyRef:
name: ngrok-secret
PROBLEMS 22
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 6
SPELL CHECKER 22
@nmrepos →/workspaces/INFO8995A4 (main) $ kubectl get services -A | grep jenkins
jenkins jenkins NodePort 10.99.65.115 <none> 8080:32000/TCP 17m
jenkins jenkins-agent ClusterIP 10.97.150.190 <none> 50000/TCP 17m
@nmrepos →/workspaces/INFO8995A4 (main) $
Codespaces: organic space bassoon
INFO8995A4 main*
Ln 35, Col 59 (7 selected)
Spaces: 2
UTF-8
LF
YAML
Layout: US

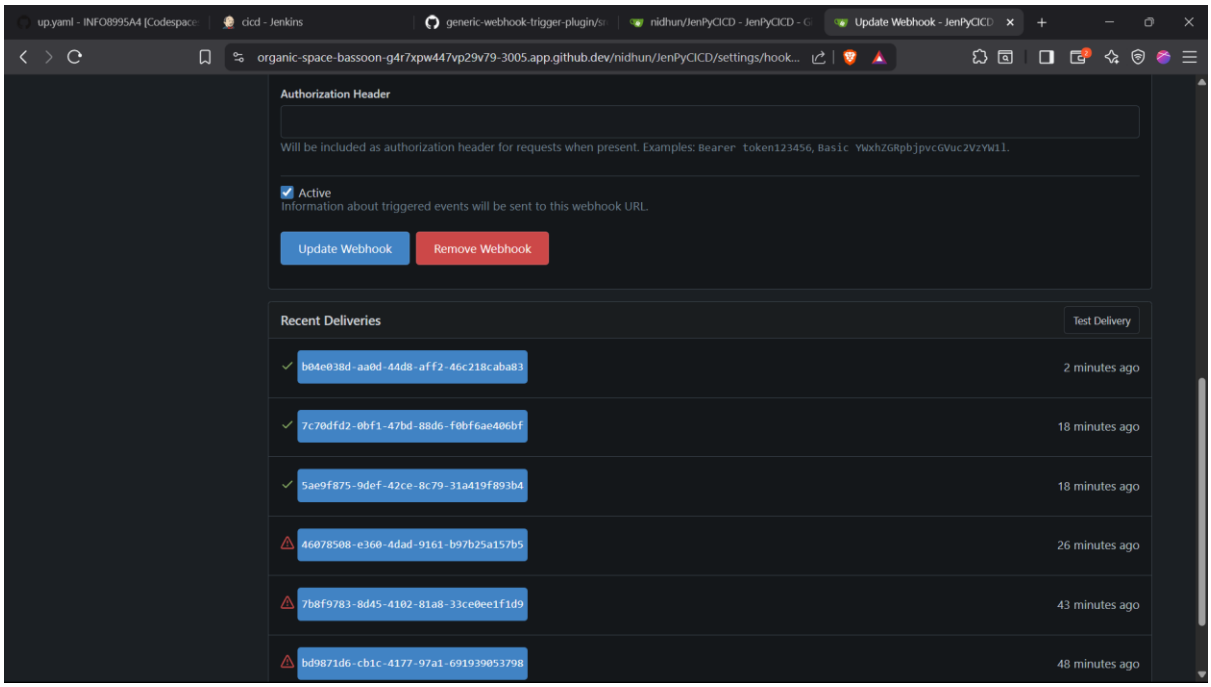

organic-space-bassoon-g4r7xpw447vp29v79-3005.app.github.dev/nidhun/JenPyCICD/settings...
Issues
Pull Requests
Milestones
Explore
nidhun / JenPyCICD
Unwatch 1
Star 0
Fork 0
Code
Issues
Pull Requests
Actions
Packages
Projects
Releases
Wiki
Activity
Settings
Settings
Repository
Collaborators
Webhooks
Branches
Tags
Deploy Keys
Actions
Webhooks
Add Webhook
Webhooks automatically make HTTP POST requests to a server when certain Gitea events trigger. Read more in the webhooks guide.
https://3b077bbf7495.ngrok-free.app/generic-webhook-trigger/invoke
Powered by Gitea Version: 1.24.3 Page: 13ms Template: 4ms
English
Licenses
API

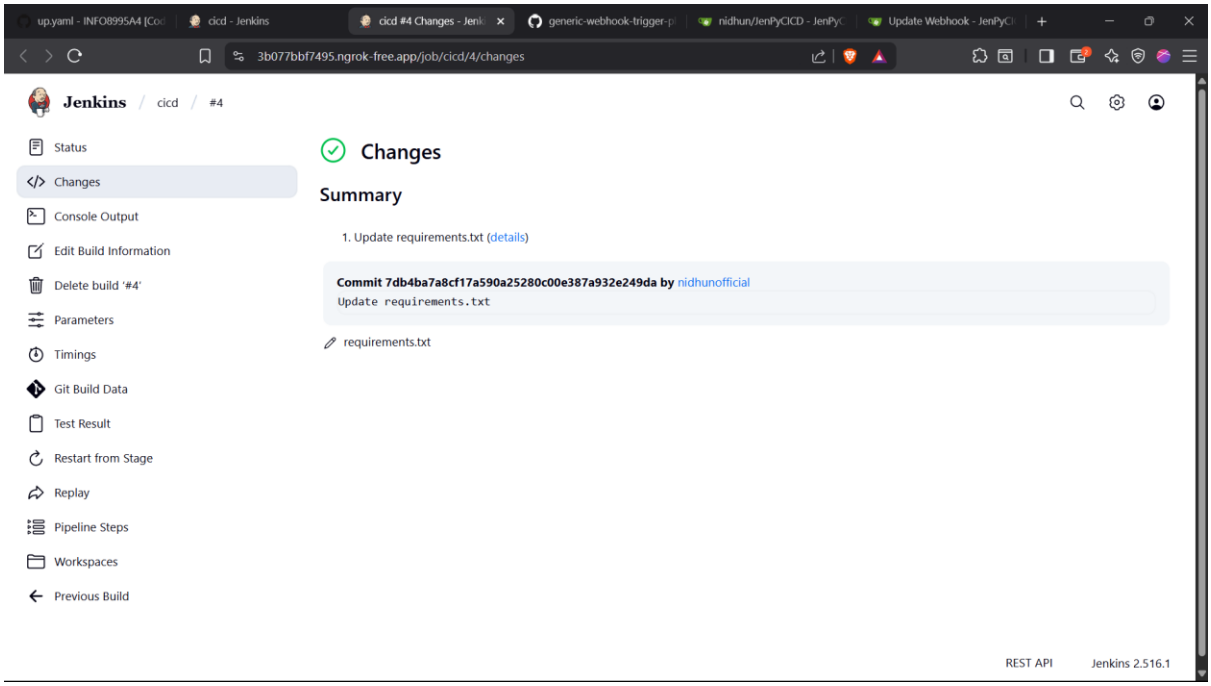

organic-space-bassoon-g4r7xpw447vp29v79.github.dev
INFO8995A4 [Codespaces: organic space bassoon]
[Preview] README.md
up.yaml M
ngrok > up.yaml
spec:
template:
spec:
- name: ngrok
image: ngrok/ngrok:latest
args: ["http", "--log", "stdout", "jenkins.jenkins.svc.cluster.local:8080"]
env:
- name: NGROK_AUTHTOKEN
valueFrom:
secretKeyRef:
name: ngrok-secret
PROBLEMS 22
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 6
SPELL CHECKER 22
jenkins@jenkins-0:/$ curl -I http://gitea-http.default.svc.cluster.local:3000/nidhun/JenPyCICD.git
HTTP/1.1 200 OK
Cache-Control: max-age=0, private, must-revalidate, no-transform
Content-Type: text/html; charset=utf-8
Set-Cookie: i_like_gitea=0c23fdcd048489d0; Path=/; HttpOnly; SameSite=Lax
Set-Cookie: _csrf=XDAB7ZtbnsHq4-1PhphXr2Z08xY6MTc1NDA5ODc2ODMzMTY2NDMyNg; Path=/; Max-Age=86400; HttpOnly; SameSite=Lax
X-Frame-Options: SAMEORIGIN
Date: Sat, 02 Aug 2025 01:39:28 GMT
jenkins@jenkins-0:/$
Codespaces: organic space bassoon
INFO8995A4
main*
Ln 35, Col 59 (7 selected)
Spaces: 2
UTF-8
LF
YAML
Layout: US

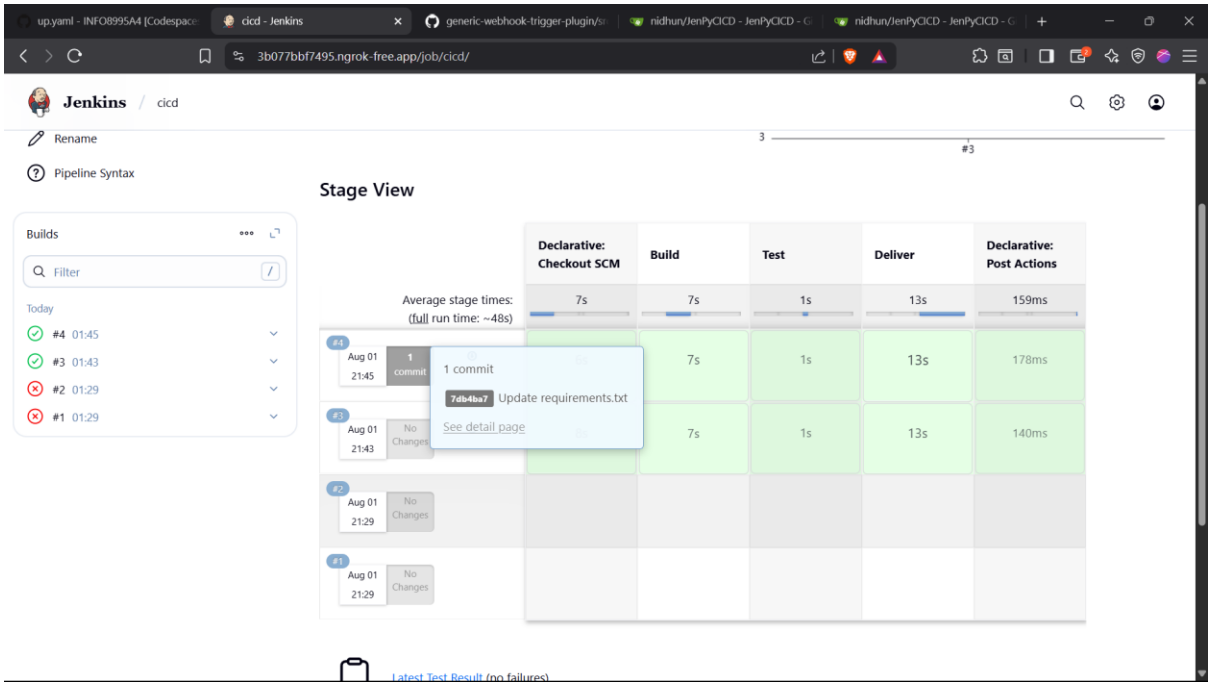

organic-space-bassoon-g4r7xpw447vp29v79-3005.app.github.dev/user/settings/applications
Issues
Pull Requests
Milestones
Explore
User Settings
Profile
Account
Appearance
Security
Blocked users
Applications
SSH / GPG Keys
Actions
Packages
Webhooks
Organizations
Repositories
Your new token has been generated. Copy it now as it will not be shown again.
41352e83956caadd586d4b75bed044c30ba3f3fa
Manage Access Tokens
These tokens grant access to your account using the Gitea API.
jenkintoken
Added on Aug 2, 2025 — No recent activity
Delete
Generate New Token
Authorized OAuth2 Applications
You have granted access to your personal Gitea account to these third party applications. Please revoke access for applications you no longer need.
Manage OAuth2 Applications
OAuth2 applications gives your third-party application access to user accounts on this instance.
Create a new OAuth2 Application
Powered by Gitea Version: 1.24.3 Page: 7ms Template: 4ms
English
Licenses
API

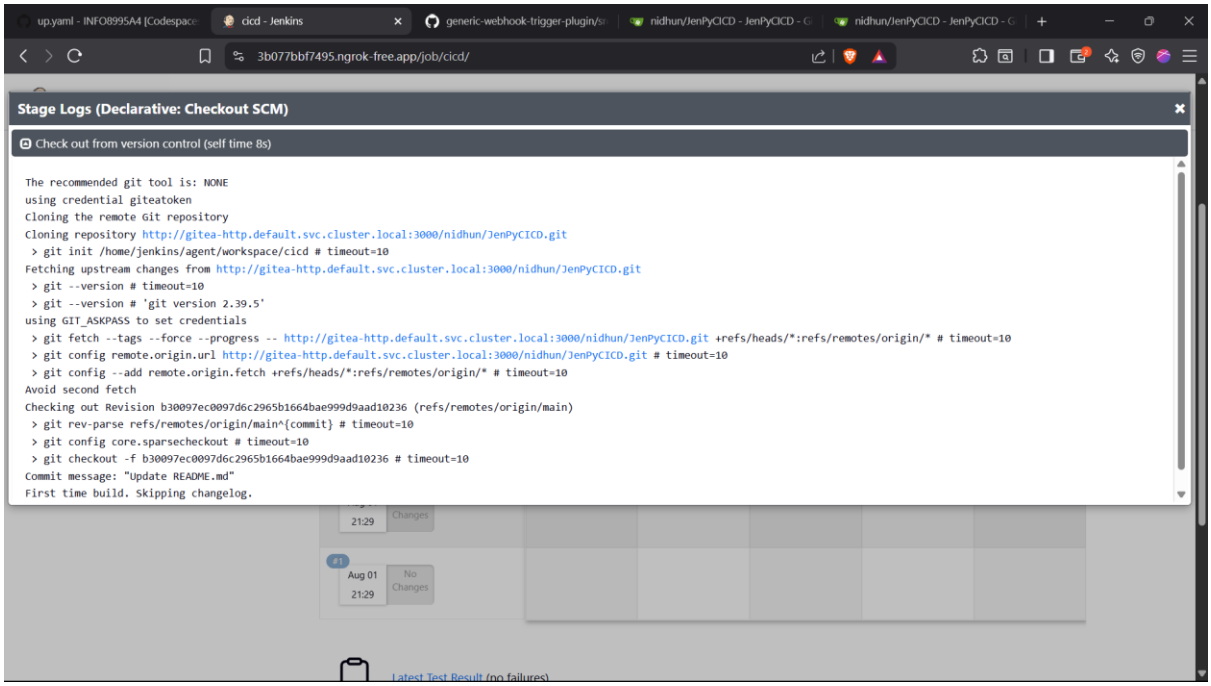

3b077bbf7495.ngrok-free.app/job/cicd/configure
80%
Reset
Jenkins
cicd
Configuration
Configure
General
Triggers
Pipeline
Advanced
SCM
Git
Repositories
Repository URL
http://gitea-http.default.svc.cluster.local:3000/nidhun/JenPyCICD.git
Credentials
nidhun/******
Add
Advanced
Add Repository
Branches to build
Branch Specifier (blank for 'any')
*/main
Save
Apply

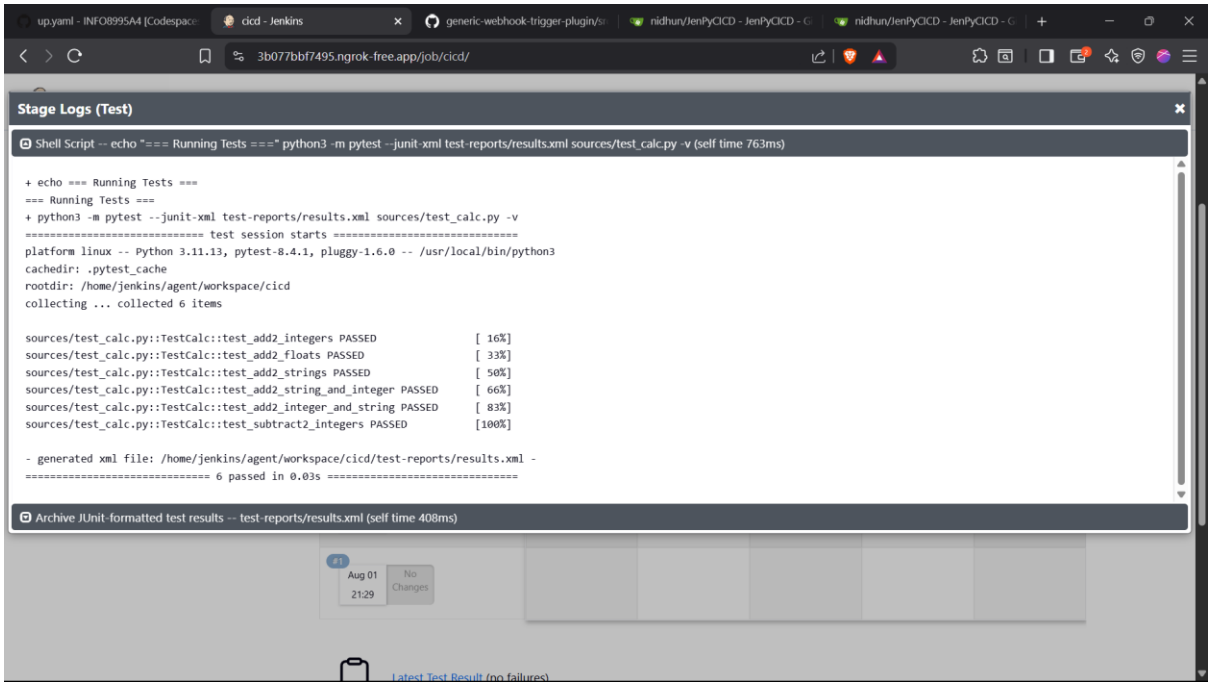

organic-space-bassoon-g4r7xpw447vp29v79-3005.app.github.dev/nidhun/JenPyCICD
Issues
Pull Requests
Milestones
Explore
nidhun / JenPyCICD
Unwatch 1
Star 0
Fork 0
Code
Issues
Pull Requests
Actions
Packages
Projects
Releases
Wiki
Activity
Settings
5 Commits
1 Branch
0 Tags
Search code...
main
Go to file
Add File
Code
Description
No description provided
Manage Topics
Readme
40 KiB
nidhun 7db4ba7a8c Update requirements.txt now
sources first commit 2 hours ago
.gitignore first commit 2 hours ago
Jenkinsfile Add environment variable for noninteractive installs and install system depend... 1 hour ago
README.md Update README.md 46 minutes ago
requirements.txt Update requirements.txt now
Languages
Python 100%
README.md
Jenkins CI/CD Pipeline with PyInstaller
A demonstration project showcasing a complete CI/CD pipeline using Jenkins to build a Python CLI application with PyInstaller.
This project creates a standalone executable from Python source code and is optimized for Jenkins running in Kubernetes clusters
on Linux environments.
...github.dev/nidhun/JenPyCICD/.../7db4ba7a8cf17a590a25280c00e387a932e249da

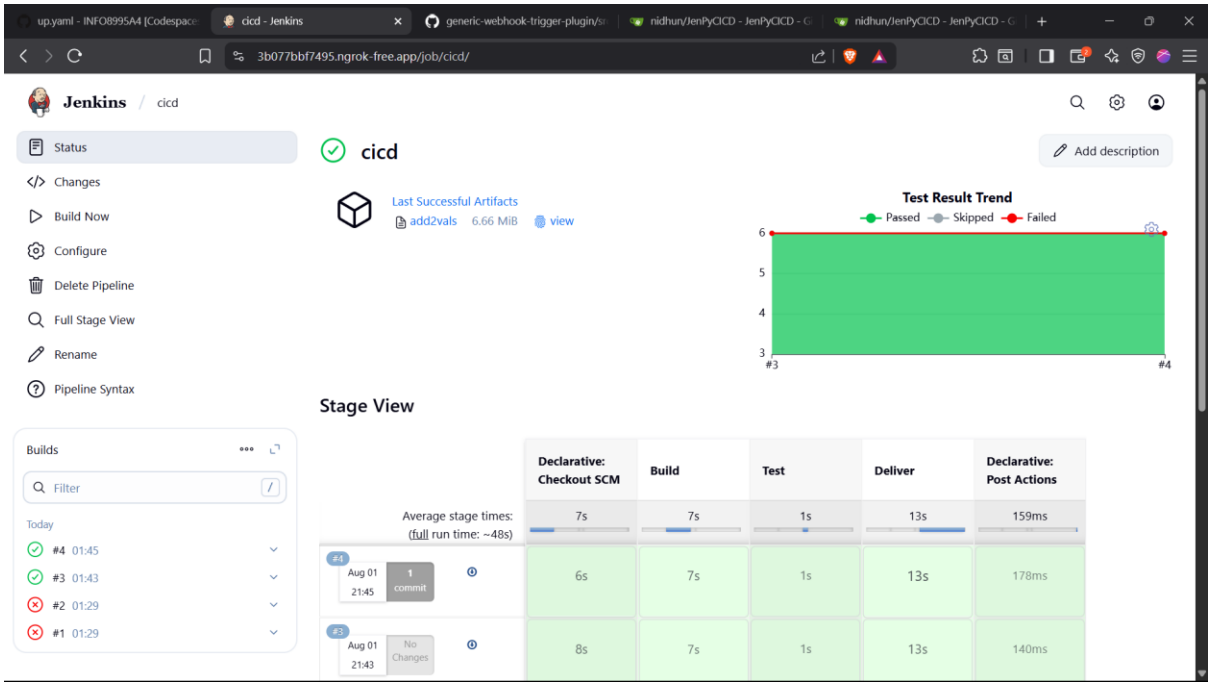

organic-space-bassoon-g4r7xpw447vp29v79-3005.app.github.dev/nidhun/JenPyCICD/settings/hook...
Authorization Header
Will be included as authorization header for requests when present. Examples: Bearer token123456, Basic YWxhZGRpbjpvcGVuc2VzYW11.
Active
Information about triggered events will be sent to this webhook URL.
Update Webhook
Remove Webhook
Recent Deliveries
Test Delivery
b04e038d-aa0d-44d8-aff2-46c218caba83 2 minutes ago
7c70dfd2-0bf1-47bd-88d6-f0bf6ae406bf 18 minutes ago
5ae9f875-9def-42ce-8c79-31a419f893b4 18 minutes ago
46078508-e360-4dad-9161-b97b25a157b5 26 minutes ago
7b8f9783-8d45-4102-81a8-33ce0ee1f1d9 43 minutes ago
bd9871d6-cb1c-4177-97a1-691939053798 48 minutes ago


3b077bbf7495.ngrok-free.app/job/cicd/4/changes
Jenkins / cicd / #4
Status
Changes
Console Output
Edit Build Information
Delete build '#4'
Parameters
Timings
Git Build Data
Test Result
Restart from Stage
Replay
Pipeline Steps
Workspaces
Previous Build
Changes
Summary
1. Update requirements.txt (details)
Commit 7db4ba7a8cf17a590a25280c00e387a932e249da by nidhunofficial
Update requirements.txt
requirements.txt
REST API
Jenkins 2.516.1


3b077bbf7495.ngrok-free.app/job/cicd/
Jenkins / cicd
Rename
Pipeline Syntax
Builds
Filter
Today
#4 01:45
#3 01:43
#2 01:29
#1 01:29
Stage View
Declarative: Checkout SCM
Build
Test
Deliver
Declarative: Post Actions
Average stage times:
(full run time: ~48s)
7s
7s
1s
13s
159ms
Aug 01 21:45
1 commit
7db4ba7 Update requirements.txt
See detail page
7s
1s
13s
178ms
Aug 01 21:43
No Changes
7s
1s
13s
140ms
Aug 01 21:29
No Changes
Aug 01 21:29
No Changes
Latest Test Result (no failures)


Stage Logs (Declarative: Checkout SCM)
Check out from version control (self time 8s)
The recommended git tool is: NONE
using credential giteatoken
Cloning the remote Git repository
Cloning repository http://gitea-http.default.svc.cluster.local:3000/nidhun/JenPyCICD.git
> git init /home/jenkins/agent/workspace/cicd # timeout=10
Fetching upstream changes from http://gitea-http.default.svc.cluster.local:3000/nidhun/JenPyCICD.git
> git --version # timeout=10
> git --version # 'git version 2.39.5'
using GIT_ASKPASS to set credentials
> git fetch --tags --force --progress -- http://gitea-http.default.svc.cluster.local:3000/nidhun/JenPyCICD.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url http://gitea-http.default.svc.cluster.local:3000/nidhun/JenPyCICD.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
Checking out Revision b30097ec0097d6c2965b1664bae999d9aad10236 (refs/remotes/origin/main)
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
> git config core.sparsecheckout # timeout=10
> git checkout -f b30097ec0097d6c2965b1664bae999d9aad10236 # timeout=10
Commit message: "Update README.md"
First time build. Skipping changelog.
21:29
Changes
#1
Aug 01
21:29
No Changes
Latest Test Result (no failures)


Stage Logs (Test)
Shell Script -- echo "=== Running Tests ===" python3 -m pytest --junit-xml test-reports/results.xml sources/test_calc.py -v (self time 763ms)
+ echo === Running Tests ===
=== Running Tests ===
+ python3 -m pytest --junit-xml test-reports/results.xml sources/test_calc.py -v
============================= test session starts ==============================
platform linux -- Python 3.11.13, pytest-8.4.1, pluggy-1.6.0 -- /usr/local/bin/python3
cachedir: .pytest_cache
rootdir: /home/jenkins/agent/workspace/cicd
collecting ... collected 6 items
sources/test_calc.py::TestCalc::test_add2_integers PASSED [16%]
sources/test_calc.py::TestCalc::test_add2_floats PASSED [33%]
sources/test_calc.py::TestCalc::test_add2_strings PASSED [50%]
sources/test_calc.py::TestCalc::test_add2_string_and_integer PASSED [66%]
sources/test_calc.py::TestCalc::test_add2_integer_and_string PASSED [83%]
sources/test_calc.py::TestCalc::test_subtract2_integers PASSED [100%]
- generated xml file: /home/jenkins/agent/workspace/cicd/test-reports/results.xml -
============================== 6 passed in 0.03s ===============================
Archive JUnit-formatted test results -- test-reports/results.xml (self time 408ms)
#1
Aug 01
21:29
No Changes
Latest Test Result (no failures)


Jenkins / cicd
Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Rename
Pipeline Syntax
cicd
Add description
Last Successful Artifacts
add2vals 6.66 MiB view
Test Result Trend
Passed Skipped Failed
Stage View
Builds
Filter
Today
#4 01:45
#3 01:43
#2 01:29
#1 01:29
Declarative: Checkout SCM
Build
Test
Deliver
Declarative: Post Actions
Average stage times:
(full run time: ~48s)
7s
7s
1s
13s
159ms
Aug 01 21:45
1 commit
6s
7s
1s
13s
178ms
Aug 01 21:43
No Changes
8s
7s
1s
13s
140ms