

Jenkins Challenge 2 Task 1 [Jenkins Views](#)

The DevOps team of xFusionCorp Industries is planning to create a number of Jenkins jobs for different tasks. So to easily manage the jobs within Jenkins UI they decided to create different views for all Jenkins jobs based on usage/nature of these jobs, - for example `datacenter-crons` view for all cron jobs. Based on the requirements shared below please perform the below mentioned task:

Click on the `Jenkins` button on the top bar to access the Jenkins UI. Login using username `admin` and password `Adm!n321`.

1. Create a Jenkins job named `datacenter-test-job`
2. Configure this job to run a simple bash command i.e `echo "hello world!!"`.
3. Create a view named `datacenter-crons` (it must be a `global` view of type `List View`) and make sure `datacenter-test-job` and `datacenter-cron-job` (which is already present on Jenkins) jobs are listed under this new view.
4. Schedule this newly created job to build periodically at every minute i.e `* * * * *` (please make sure to use the cron expression exactly same how it is mentioned here)
5. Make sure the job builds successfully.

Note:

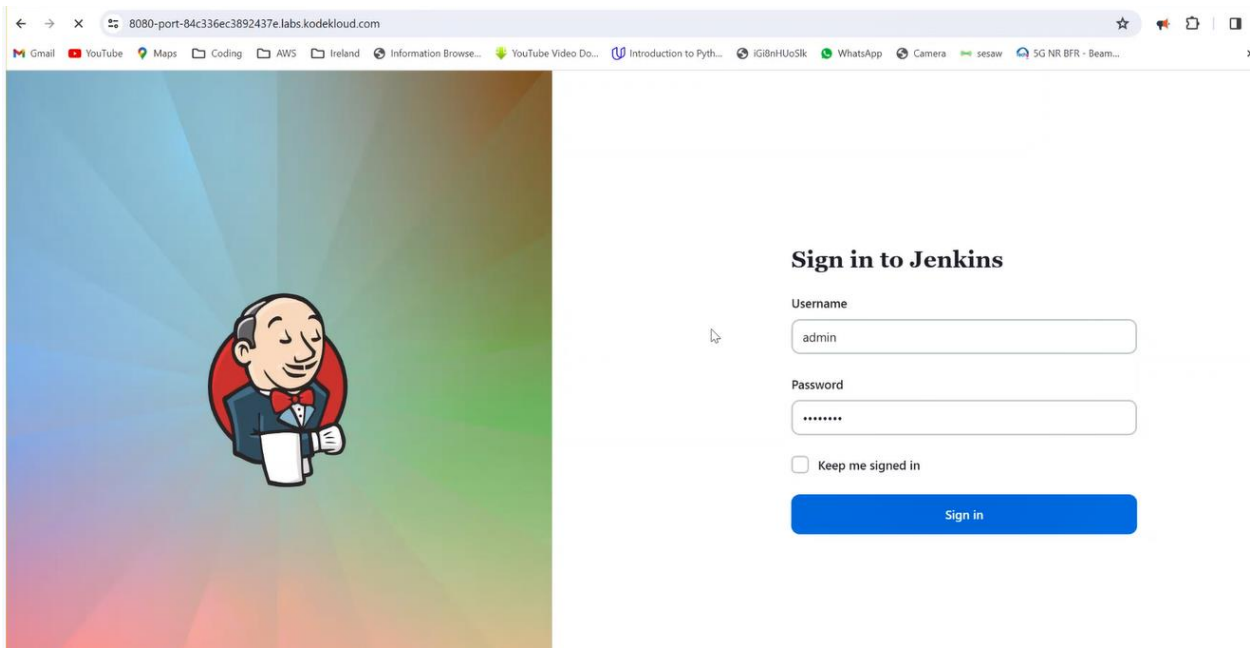
1. You might need to install some plugins and restart Jenkins service. So, we recommend clicking on `Restart Jenkins` when installation is complete and no jobs are running on plugin installation/update page i.e `update centre`. Also, Jenkins UI sometimes gets stuck when Jenkins service restarts in the back end. In this case please make sure to refresh the UI page.
2. For these kind of scenarios requiring changes to be done in a web UI, please take screenshots so that you can share it with us for review in case your task is marked incomplete. You may also consider using a screen recording software such as loom.com to record and share your work.

Click on Jenkin App on top right



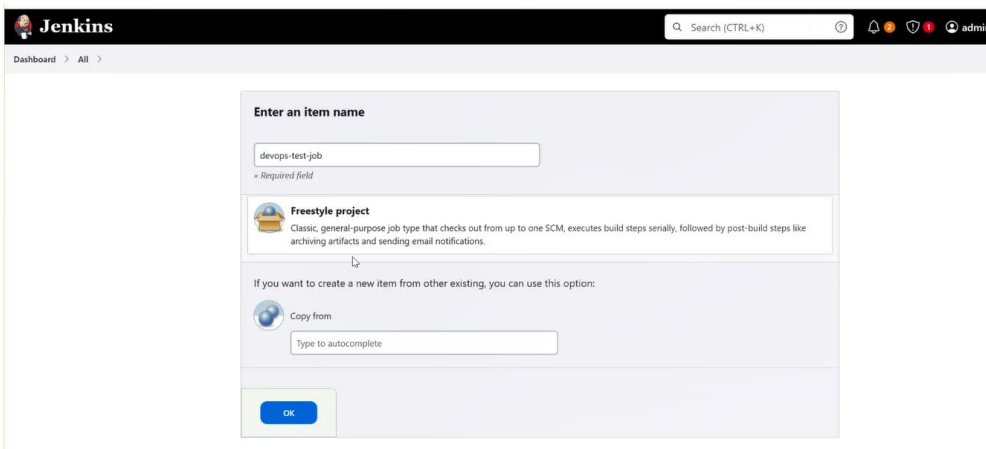
Login to jenkins

username **admin** and password **Adm!n321**



Step 1

Create a job with three requirements.



Dashboard > devops-test-job > Configuration

None

Configure

- General
- Source Code Management
- Build Triggers
- Build Steps
- Post-build Actions

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☐ Build after other projects are built ?

☐ Build periodically ?

☐ Poll SCM ?

Build Steps

Execute shell ?

Command

See [the list of available environment variables](#)

```
echo "hello world!!"
```

Dashboard > devops-test-job > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Steps
- Post-build Actions

Source Code Management

None

Build Triggers

☐ Trigger builds remotely (e.g., from scripts) ?

☐ Build after other projects are built ?

☒ Build periodically ?



Schedule ?





```
* * * * *
```

No schedules so will never run

☐ Poll SCM ?

Build Steps

 Save  Apply


 **Jenkins** Search (CTRL+K)    adf

Dashboard > devops-test-job > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Steps
- Post-build Actions

General

Enabled 

Description

```
Create a Jenkins job named devops-test-job  
Configure job to run a simple bash command [e.g. echo "hello world!!"].  
Schedule job to build periodically at every minute [e.g. * * * * *]
```

Plain Text Preview

☐ Discard old builds ?

☐ This project is parameterised ?

☐ Execute concurrent builds if necessary ?

Advanced ▾

Source Code Management

None

Build and check output

Dashboard > devops-test-job > #1 > Console Output

Status

</> Changes

Console Output

View as plain text

Edit Build Information

Delete build '#1'

Console Output

Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/devops-test-job
[devops-test-job] \$ /bin/sh -xe /tmp/jenkins10240259028822981079.sh
+ echo hello world!!
hello world!!
Finished: SUCCESS

Step 2 :

Create a view named `devops-crons` (it must be a `global` view of type `List View`) and make sure `devops-test-job` and `devops-cron-job` (which is already present on Jenkins) jobs are listed under this new view.

Dashboard >

+ New Item

People

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

New View

All

S	W	Name	Last Success	Last Failure	Last Duration
...	☀	devops-cron-job	N/A	N/A	N/A
✓	☀	devops-test-job	2.3 sec #5	N/A	11 ms
...	☀	nautilus-dummy-job	N/A	N/A	N/A

Icon: S M L

Atom feed for all

Atom feed for failures

Atom feed for just latest builds

Dashboard > New view

+ New Item

People

Build History

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

New view

Name

devops-crons

Type

List View

Shows items in a simple list format. You can choose which jobs are to be displayed in which view.

My View

This view automatically displays all the jobs that the current user has an access to.

Create

Jenkins

Search (CTRL+K)

3

2

admin

Dashboard > devops-crons > Configure

+ New Item

People

Build History

Edit View

Delete View

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Name

devops-crons

Description ?

Create a view named devops-crons (it must be a global view of type List View) and make sure devops-test-job and devops-cron-job (which is already present on Jenkins) jobs are listed under this new view

Plain text Preview

☐ Filter build queue ?

☐ Filter build executors ?

Job Filters

☐ Recurse in subfolders

Jobs

☒ devops-cron-job

☒ devops-test-job

☐ nautilus-dummv-job

OK

Apply

Jenkins

Search (CTRL+K)

3

2

admin

Dashboard > devops-crons >

+ New Item

People

Build History

Edit View

Delete View

Manage Jenkins

My Views

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Create a view named devops-crons (it must be a global view of type List View) and make sure devops-test-job and devops-cron-job (which is already present on Jenkins) jobs are listed under this new view

All

devops-crons

+

S	W	Name	Last Success	Last Failure	Last Duration
☺	☀	devops-cron-job	N/A	N/A	N/A
☑	☀	devops-test-job	39 sec #5	N/A	11 ms

Icon: S M L

Icon legend

Atom feed for all

Atom feed for failures

Atom feed for just late

Jenkins

Search (CTRL+K)

3

2

admin

Dashboard > admin > My Views > All > devops-test-job >

Status

</> Changes

Workspace

Build Now

Configure

Delete Project

Rename

Build History

trend

Filter...

#6 12 Apr 2024, 20:04

#5 12 Apr 2024, 20:03

#4 12 Apr 2024, 20:02

#3 12 Apr 2024, 20:01

#2 12 Apr 2024, 20:00

#1 12 Apr 2024, 19:59

✓ devops-test-job

Create a Jenkins job named devops-test-job

Configure job to run a simple bash command i.e echo "hello world!!".

Schedule job to build periodically at every minute i.e * * * * *

Permalinks

- Last build (#6), 39 sec ago
- Last stable build (#6), 39 sec ago
- Last successful build (#6), 39 sec ago
- Last completed build (#6), 39 sec ago



Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#7'

Previous Build



Console Output

```
Started by user admin
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/devops-test-job
[devops-test-job] $ /bin/sh -xe /tmp/jenkins1429640141875965300.sh
+ echo hello world!!
hello world!!
Finished: SUCCESS
```