

# Jenkin's Understanding

Dr. A. Suresh, INSOFE

Jenkins download and deployment x + Jenkins download and deployment / jenkins.io/download/ Jenkins Documentation Plugins Community Subprojects About English Search Download

https://mail.google.com BOOKS Download India-WRIS Ground... Home - Global yield... Historical population... India Population 20... United Nations: India data analytics >

**Jenkins** cd - Blog Documentation Plugins Community Subprojects About English Search Download

1. Before downloading, please take a moment to review the [Hardware and Software requirements](#) section of the User Handbook.  
2. Select one of the packages below and follow the download instructions.  
3. Once a Jenkins package has been downloaded, proceed to the [Installing Jenkins](#) section of the User Handbook.  
4. You may also want to verify the package you downloaded. [Learn more about verifying Jenkins downloads.](#)

**Download Jenkins 2.346.2 LTS for:**

Generic Java package (.war) SHA-256: ef4c4a5dbea6a5c8755ed94f8692ce67608628aadf10cf9caee771fc27b77a
Docker
Ubuntu/Debian
CentOS/Fedora/Red Hat
Windows
openSUSE
FreeBSD
Gentoo
macOS

**Download Jenkins 2.361 for:**

Generic Java package (.war) SHA-256: b33ad2524310c70defa2ae84e0d14783bd944554d4ef82711ba4063257beaa3
Docker
Ubuntu/Debian
CentOS/Fedora/Red Hat
Windows
openSUSE
Arch Linux
FreeBSD
Chat Gentoo

Music 🔍 Chat gentoo 📱 ENG US 10:29 02-08-2022 2 Data Science Education & Research

## Jenkins 2.359 Setup

**Service Logon Credentials**

Enter service credentials for the service.

Jenkins 2.359 installs and runs as an independent Windows service. To operate in this manner, you must supply the user account credentials for Jenkins 2.359 to run successfully.

**Logon Type:**

Run service as LocalSystem (not recommended)

Run service as local or domain user:

Account:

Password:

[Test Credentials](#)



Back

Next

Cancel

## Jenkins 2.359 Setup

**Jenkins****Port Selection**

Choose a port for the service.



Please choose a port.

**Port Number (1-65535):**

[Test Port](#)



It is recommended that you accept the selected default port.

Back

Next

Cancel

## Jenkins 2.359 Setup

Jenkins 2.359 Setup

Select Java home directory (JDK or JRE)

**Jenkins**

## Jenkins 2.359 Setup

Jenkins 2.359 Setup

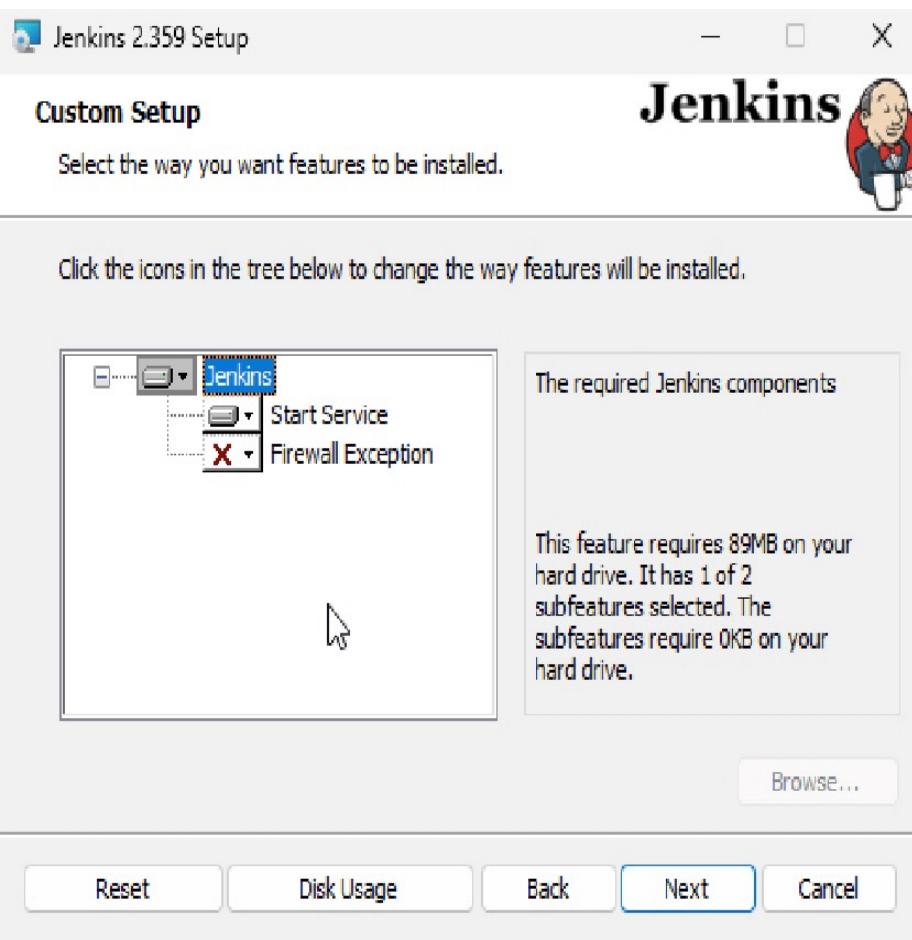
Select Java home directory (JDK or JRE)

**Jenkins**

Please select the path of a Java Development Kit or Java Runtime Environment.

Only Java 1.8 and 11 are supported by Jenkins.

C:\Program Files\Java\jre1.8.0\_333\[Change...](#)C:\Program Files\Java\jdk-11.0.15\[Change...](#)[Back](#)[Next](#)[Cancel](#)[Back](#)[Next](#)[Cancel](#)



## Getting Started

## Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

`C:\Program Files (x86)\Jenkins\secrets\initialAdminPassword`

Please copy the password from either location and paste it below.

Administrator password

Continue

Windows Sign in [Jenkins] +

localhost:8080/login?from=%2F https://mail.google.... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics



## Welcome to Jenkins!



Keep me signed in

Sign in

Windows Dashboard [Jenkins] X +

localhost:8080

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yiel... Historical populatio... India Population 20... United Nations: Ind... data analytics

Jenkins Search ? 🔔 1 ! 1 itsuresha log out

Dashboard >

+ New Item Add description

People All +

Build History

Manage Jenkins

My Views

New View

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

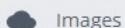
S	W	Name ↓	Last Success	Last Failure	Last Duration
✖	⟳	New	N/A	17 days #1	20 sec

Icon: S M L

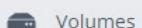
Icon legend Atom feed for all Atom feed for failures Atom feed for just latest builds



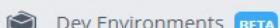
Containers



Images



Volumes



BETA

## Containers [Give Feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Showing 5 items

Search

:

<input type="checkbox"/>	NAME	IMAGE	STATUS	PORT(S)	STARTED		
<input type="checkbox"/>	clever_cohen df6f40cfec307	deploy	Exited (255)	5000			
<input type="checkbox"/>	romantic_davinci 9d604047668f	<none>	Exited (137)	5000			
<input type="checkbox"/>	reverent_babbage 24b450016e04	diabetes_api	Exited (143)	8000			
<input type="checkbox"/>	App_Python b1d6af5aab5a	app_python	Exited (139)	1234			
<input type="checkbox"/>	App_MySQL 781299310ec0	app_mysql	Exited (255)	3307			



RAM 1.51GB

CPU 2.05%

Not connected to Hub

v4.10.0

Q

New Item [Jenkins]    itsuresha/iris

localhost:8080/view/all/newJob

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

# Jenkins

Search ?

Dashboard > All >

Enter an item name

batch109 » Required field

**Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

**Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

**Multi-configuration project**  
Projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds.

**OK**

Data Science Education & Research 9

batch109 Config [Jenkins] x itsuresha/iris x +

localhost:8080/job/batch109/configure

https://mail.google.com... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

Dashboard > batch109 >

## Source Code Management

### Configuration

None

Git ?

**Repositories** ?

Repository URL ?

Credentials ?

- none -

+ Add

Advanced...

Save Apply

Source Code Management

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

batch109 Config [Jenkins]    itsuresha/iris

localhost:8080/job/batch109/configure

https://mail.google.... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... G data analytics New Tab

Dashboard > batch109 >

## Configuration

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

### Execute Windows batch command

Command

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

```
docker build --pull -t deploy .
docker run -p 5000:5000 deploy
```

Advanced...

Add build step ▾

### Post-build Actions

Add post-build action ▾

Save Apply

A screenshot of a web browser window. The address bar shows 'localhost:8080/job/batch109/2/console'. The page title is 'itsuresha/iris'. The main content is the Jenkins 'Console Output' for build #2 of the 'batch109' job. The output shows the build process starting, cloning from a GitHub repository, and checking out a specific commit. The Jenkins interface includes a sidebar with links like 'Back to Project', 'Status', 'Changes', 'Console Output' (which is selected), 'View as plain text', 'Edit Build Information', and 'Git Build Data'. A progress bar at the top right indicates the build is complete.

batch109 #2 Console [Jenkins]    itsuresha/iris    +

localhost:8080/job/batch109/2/console

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

Dashboard > batch109 > #2

```
C:\ProgramData\Jenkins\.jenkins\workspace\batch109>docker build --pull -t deploy .
#1 [internal] load build definition from Dockerfile
#1 sha256:554eef9b58389f4692279db643fdac6225c851d2f47ffa92bc7d52313b3ff0c4
#1 transferring dockerfile: 400B 0.0s done
#1 DONE 0.1s

#2 [internal] load .dockignore
#2 sha256:b9b7350ed3cc05dedcab06f6960396cc844d74e0cb88f52af76f3c018a4256f
#2 transferring context: 2B done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/library/python:3.6.5
#3 sha256:f2fb0df2d661c716e2608a99ec063bc3fa90aae3a0b6ea6436cb2adeed06baec
#3 DONE 3.4s

#10 [stage-1 1/6] FROM docker.io/library/python:3.6.5@sha256:c49ab7d5121521de57653c7209e68102d057ed77aff9859e8a9603b36105911a
#10 sha256:d38f006b0b2c1676e2cfb75d582b7042fd042e0d5ce33d97cca0d4f5e4791905
#10 DONE 0.0s

#5 [internal] load build context
#5 sha256:f1558c69d882bbe8a7b4ed06a5098bc0ce3111c1c54356e5d6733c619a8a0f32
#5 transferring context: 39.03kB 0.2s done
#5 DONE 0.2s

#4 [stage-1 2/6] RUN apt-get update -y && apt-get install -y python-pip python-dev
#4 sha256:250f969f36b3586a1d9afe55a58b8eb07c768db0f9c9eb45fa9a682eec191376
```

batch109 #2 Console [Jenkins]    itsuresha/iris

localhost:8080/job/batch109/2/console

https://mail.google.... BOOKS Download India-WRIS Ground... Home - Global yiel... Historical populatio... India Population 20... United Nations: Ind... G data analytics New Tab

Dashboard > batch109 > #2

```
#8 14.98 You should consider upgrading via the 'pip install --upgrade pip' command.
#8 ERROR: executor failed running [/bin/sh -c pip install -r requirements.txt]: exit code: 1
-----
> [stage-1 5/6] RUN pip install -r requirements.txt:
-----
executor failed running [/bin/sh -c pip install -r requirements.txt]: exit code: 1

C:\ProgramData\Jenkins\.jenkins\workspace\batch109>docker run -p 5000:5000 deploy
Hello Worlds
virginica
* Serving Flask app 'server' (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
* Running on all addresses.
WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 110-196-374
```



Containers

Images

Volumes

 Dev Environments **BETA**

## Containers [Give Feedback](#)

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Showing 6 items

 Search

:

	NAME	IMAGE	STATUS	PORT(S)	STARTED					
<input type="checkbox"/>	clever_cohen df6f40fce307	<none>	Exited (255)	5000						
<input type="checkbox"/>	romantic_davinci 9d604047668f	<none>	Exited (137)	5000						
<input type="checkbox"/>	reverent_babbage 24b450016e04	diabetes_api	Exited (143)	8000						
<input type="checkbox"/>	App_Python b1d6af5aab5a	app_python	Exited (139)	1234						
<input type="checkbox"/>	App_MySQL 781299310ec0	app_mysql	Exited (255)	3307						
<input type="checkbox"/>	ecstatic_kepler 43122913cd78	deploy	Running	5000	3 minutes ago					

The screenshot shows a Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** request.py - docker-jenkins-flask-tutorial-master - Copy - Visual Studio Code.
- Explorer View:** Shows a file tree for "DOCKER-JENKINS-FLASK-TUTORIAL-MA...". The "request.py" file is selected and highlighted in blue.
- Code Editor:** Displays the content of the "request.py" file:

```
1 import requests
2 # Change the value of experience that you want to test
3 url = 'http://127.0.0.1:5000/api'
4 feature = [[7,5,4.7, 5]]
5 labels ={
6     0: "setosa",
7     1: "versicolor",
8     2: "virginica"
9 }
10 r = requests.post(url,json={'feature': feature})
11 print(labels[r.json()])
```
- Terminal:** Shows command-line output from running the script:

```
PS C:\Users\itsur\OneDrive\Desktop\docker-jenkins-flask-tutorial-master - Copy> python request.py
setosa
PS C:\Users\itsur\OneDrive\Desktop\docker-jenkins-flask-tutorial-master - Copy> python request.py
setosa
PS C:\Users\itsur\OneDrive\Desktop\docker-jenkins-flask-tutorial-master - Copy> python request.py
setosa
PS C:\Users\itsur\OneDrive\Desktop\docker-jenkins-flask-tutorial-master - Copy> python request.py
versicolor
PS C:\Users\itsur\OneDrive\Desktop\docker-jenkins-flask-tutorial-master - Copy>
```
- Status Bar:** Ln 4, Col 23, Spaces: 2, UTF-8, LF, Python, 3.7.3 64-bit, Go Live, Prettier.
- Bottom Icons:** Save, Undo, Redo, Find, Replace, etc.

Iris - Excel

File Home Insert Page Layout Formulas Data Review View ACROBAT Tell me what you want to do...

Cut Copy Format Painter Paste Clipboard

Font Alignment Number Styles Cells Editing

A122 : 6.9

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
110	6.7	2.5	5.8	1.8	2																
111	7.2	3.6	6.1	2.5	2																
112	6.5	3.2	5.1	2	2																
113	6.4	2.7	5.3	1.9	2																
114	6.8	3	5.5	2.1	2																
115	5.7	2.5	5	2	2																
116	5.8	2.8	5.1	2.4	2																
117	6.4	3.2	5.3	2.3	2																
118	6.5	3	5.5	1.8	2																
119	7.7	3.8	6.7	2.2	2																
120	7.7	2.6	6.9	2.3	2																
121	6	2.2	5	1.5	2																
122	6.9	3.2	5.7	2.3	2																
123	5.6	2.8	4.9	2	2																
124	7.7	2.8	6.7	2	2																
125	6.3	2.7	4.9	1.8	2																
126	6.7	3.3	5.7	2.1	2																
127	7.2	3.2	6	1.8	2																
128	6.2	2.8	4.8	1.8	2																
129	6.1	3	4.9	1.8	2																
130	6.4	2.8	5.6	2.1	2																
131	7.2	3	5.8	1.6	2																

Iris

Aarav #6 Console [Jenkins] x ML API x | +

localhost:8080/job/Aarav/6/console

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... G data analytics New Tab

Dashboard > Aarav > #6

```
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
* Running on all addresses.
WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 549-724-330
172.17.0.1 - - [02/Aug/2022 05:56:42] "POST /api HTTP/1.1" 200 -
172.17.0.1 - - [02/Aug/2022 05:57:19] "POST /api HTTP/1.1" 200 -
172.17.0.1 - - [02/Aug/2022 05:57:37] "POST /api HTTP/1.1" 200 -
172.17.0.1 - - [02/Aug/2022 05:57:59] "POST /api HTTP/1.1" 200 -
172.17.0.1 - - [02/Aug/2022 05:59:11] "POST /api HTTP/1.1" 200 -
172.17.0.1 - - [02/Aug/2022 05:59:53] "POST /api HTTP/1.1" 200 -
172.17.0.1 - - [02/Aug/2022 06:00:12] "POST /api HTTP/1.1" 200 -
172.17.0.1 - - [02/Aug/2022 06:01:28] "POST /predict HTTP/1.1" 404 -
```

• • •

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a project folder named "DOCKER-JENKINS-FLASK-TUTORIAL" containing files: index.html, Dockerfile, model.pkl, model.py, request.py, requirements.txt, server.py, and shell.sh.
- Terminal:** Shows the command "python" followed by a series of log messages from a development server:

```
UserWarning)
* Debugger is active!
* Debugger PIN: 113-114-665
* Running on all addresses.
WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://10.0.1.229:5000/ (Press CTRL+C to quit)
10.0.1.229 - - [02/Aug/2022 11:17:06] "GET / HTTP/1.1" 200 -
10.0.1.229 - - [02/Aug/2022 11:17:07] "GET /favicon.ico HTTP/1.1" 404 -
```
- Code Editor:** Displays the "server.py" file content:

```
def predict():
    float_features = [float(x) for x in request.form.values()]
    final_features = [np.array(float_features)]
    prediction = model.predict(final_features)

    #output = round(prediction[0], 2)
    #output = (prediction[0])
    output = labels[prediction[0]]
    return render_template('index.html', prediction_text='IRIS prediction is'.format(output))

if __name__ == '__main__':
    app.run(debug=True, host='0.0.0.0')
```
- Bottom Status Bar:** Shows "Ln 28, Col 30" and other system information.

Aarav #6 Console [Jenkins] x ML API x +

Not secure | 10.0.1.229:5000/predict

https://mail.google.... BOOKS Download India-WRIS Ground... Home - Global yiel... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

## Prediction of IRIS data

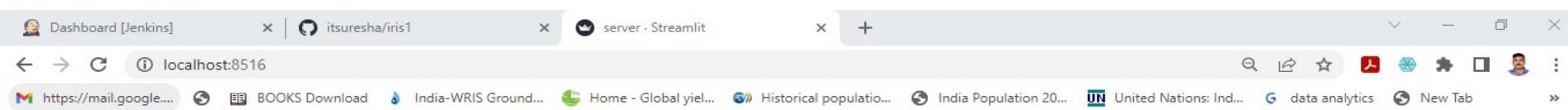
5	3	4	2	<input type="button" value="Predict"/>
---	---	---	---	--

IRIS prediction is

The screenshot shows the Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** server.py - docker-jenkins-flask-tutorial-master - Copy - Visual Studio Code.
- Explorer:** Shows a project structure for "DOCKER-JENKINS-FLASK-TUTORIAL-MASTER".
  - templates: index.html
  - Dockerfile
  - model.pkl
  - model.py
  - request.py
  - requirements.txt
  - server.py (selected)
  - shell.sh
- Code Editor:** Displays the content of server.py:

```
22     def predict(sl,sw,pl,pw):
23         prediction=model.predict([[sl,sw,pl,pw]])
24         return labels[prediction[0]]
25     def main():
26         st.title("IRIS Prediction")
27         html_temp = """
28             <div style="background-color:tomato;padding:10px">
29                 <h2 style="color:white;text-align:center;">Streamlit IRIS Predictor </h2>
30             </div>
31             """
32         st.markdown(html_temp,unsafe_allow_html=True)
33         sl = st.text_input("Sepal Length","Type Here")
34         sw = st.text_input("Sepal Width","Type Here")
35         pl = st.text_input("Petal Length","Type Here")
36         pw = st.text_input("Petal Width","Type Here")
37         result=""
38         if st.button("Predict"):
39             result=predict(sl,sw,pl,pw)
```
- Terminal:** Shows the command: PS C:\Users\itsur\OneDrive\Desktop\docker-jenkins-flask-tutorial-master - Copy> streamlit run .\server.py
- Message:** You can now view your Streamlit app in your browser.
- Local URL:** http://localhost:8516
- Network URL:** http://10.0.1.229:8516
- Status Bar:** Ln 20, Col 1 Spaces: 4 UTF-8 LF Python 3.7.3 64-bit Go Live Prettier
- Bottom Icons:** Outline, Timeline, 0△0, 21.



# IRIS Prediction

## Streamlit IRIS Predictor

Sepal Length

1

Sepal Width

1

Petal Length

1

Petal Width

1

Predict

The output is setosa

ngrok - download x +

ngrok.com/download

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yiel... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

The fastest way to put anything on the internet.

Mac OS Windows Linux Docker Other

Install ngrok via Chocolatey

```
$ choco install ngrok
```

or

Download ZIP file

Windows (64-bit)

Download

Ask a question

This screenshot shows the official download page for ngrok. At the top, it features the slogan "The fastest way to put anything on the internet." Below this, there's a navigation bar with icons for Mac OS, Windows, Linux, Docker, and Other. Under the "Install ngrok via Chocolatey" section, there's a command-line snippet: "\$ choco install ngrok". To the right of this snippet is a blue "Copy" button. Below this, the word "or" is centered. Under "Download ZIP file", there's a link for "Windows (64-bit)" followed by a "Download" button with a cloud icon. In the bottom right corner, there's a purple button labeled "Ask a question". The browser interface at the top shows several tabs and links, including "ngrok - download", "ngrok.com/download", "https://mail.google...", "BOOKS Download", "India-WRIS Ground...", "Home - Global yiel...", "Historical populatio...", "India Population 20...", "United Nations: Ind...", "data analytics", and "New Tab".

C:\Windows\System32\cmd.exe - ngrok http 8080

(Ctrl+C to quit)

ngrok

Hello World! <https://ngrok.com/next-generation>

Session Status	online												
Session Expires	1 hour, 59 minutes												
Terms of Service	<a href="https://ngrok.com/tos">https://ngrok.com/tos</a>												
Version	3.0.6												
Region	India (in)												
Latency	20ms												
Web Interface	<a href="http://127.0.0.1:4040">http://127.0.0.1:4040</a>												
Forwarding	<a href="https://ca3e-49-207-220-28.in.ngrok.io">https://ca3e-49-207-220-28.in.ngrok.io</a> -> <a href="http://localhost:8080">http://localhost:8080</a>												
Connections	<table><thead><tr><th>ttl</th><th>opn</th><th>rt1</th><th>rt5</th><th>p50</th><th>p90</th></tr></thead><tbody><tr><td>0</td><td>0</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td></tr></tbody></table>	ttl	opn	rt1	rt5	p50	p90	0	0	0.00	0.00	0.00	0.00
ttl	opn	rt1	rt5	p50	p90								
0	0	0.00	0.00	0.00	0.00								

ngrok http 8080

Add webhook + New

github.com/itsuresha/iris1/settings/hooks/new

https://mail.google.... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

Search or jump to... Pull requests Issues Marketplace Explore

itsuresha / iris1 Public Pin Unwatch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

General

Access Collaborators Moderation options

Code and automation

Branches Tags Actions

Webhooks Environments

Webhooks / Add webhook

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://ca3e-49-207-220-28.in.ngrok.io/github-webhook/

**Content type**  
application/x-www-form-urlencoded

**Secret**

iris1-main.zip Show all

Add webhook

github.com/itsuresha/iris1/settings/hooks/new

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

Branches Tags Actions Webhooks Environments Pages

Content type application/x-www-form-urlencoded

Secret

SSL verification

By default

Enable SSL verification

Are you sure?

Warning: Disabling SSL verification has serious implications.

SSL verification helps ensure that hook payloads are delivered to your URL endpoint securely, keeping your data away from prying eyes. Disabling this option is **not recommended**.

Disable, I understand my webhooks may not be secure

Which events would you like to receive?

Just the push event.

Send me everything.

Let me select individual events.

Active

We will deliver event details when this hook is triggered.

Add webhook

The screenshot shows a web browser window with the GitHub interface. The address bar displays the URL [github.com/itsuresha/iris1/settings/hooks](https://github.com/itsuresha/iris1/settings/hooks). The main content area shows a success message: "Okay, that hook was successfully created. We sent a ping payload to test it out! Read more about it at <https://docs.github.com/webhooks/#ping-event>". Below this, the repository page for [itsuresha / iris1](#) (Public) is visible, specifically the Settings tab. On the left sidebar, under "Code and automation", the "Webhooks" section is selected. It contains a single webhook entry with the URL <https://ca3e-49-207-220-28.in.ngrok...> and the event type "(push)". There are "Edit" and "Delete" buttons next to the entry.

Webhooks    batch109-1 Config [Jenkins]    +

localhost:8080/job/batch109-1/configure

https://mail.google.... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

Dashboard > batch109-1 >

## Configuration

General

Source Code Management

**Build Triggers**

Build Environment

Build Steps

Post-build Actions

### Build Triggers

- Trigger builds remotely (e.g., from scripts) ?
- Build after other projects are built ?
- Build periodically ?
- GitHub hook trigger for GITScm polling ?
- Poll SCM ?

### Build Environment

- Delete workspace before build starts
- Use secret text(s) or file(s) ?
- Add timestamps to the Console Output

**Save** **Apply**

iris1-main.zip **Show all**

Webhooks x batch109-1 #2 Console [Jenkins] +

localhost:8080/job/batch109-1/2/console

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

Dashboard > batch109-1 > #2

```
0.15.1, 0.14.0, 0.14.1, 0.15.0, 0.15.1, 0.15.2, 0.16.0, 0.16.1, 0.16.2, 0.17.0, 0.17.1, 0.18.0, 0.18.1, 0.19.0, 0.19.1, 0.19.2, 0.20.0, 0.20.1, 0.20.2, 0.20.3, 0.21.0, 0.21.1, 0.22.0, 0.23.0, 0.23.1, 0.23.2, 0.23.3, 0.23.4, 0.24.0, 0.24.1, 0.24.2, 0.25.0, 0.25.1, 0.25.2, 0.25.3, 1.0.0, 1.0.1, 1.0.2, 1.0.3, 1.0.4, 1.0.5, 1.1.0, 1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5)
#9 11.34 No matching distribution found for pandas==1.2.4 (from -r requirements.txt (line 3))
#9 11.64 You are using pip version 10.0.1, however version 21.3.1 is available.
#9 11.64 You should consider upgrading via the 'pip install --upgrade pip' command.
#9 ERROR: executor failed running [/bin/sh -c pip install -r requirements.txt]: exit code: 1
-----
> [stage-1 5/6] RUN pip install -r requirements.txt:
-----
executor failed running [/bin/sh -c pip install -r requirements.txt]: exit code: 1

C:\ProgramData\Jenkins\.jenkins\workspace\batch109-1>docker run -p 5000:5000 deploy
Hello Worlds
virginica
 * Serving Flask app 'server' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on all addresses.
   WARNING: This is a development server. Do not use it in a production deployment.
 * Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 134-746-023
```

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.829]
(c) Microsoft Corporation. All rights reserved.

C:\Users\itsur>git clone https://github.com/itsuresha/iris1.git
Cloning into 'iris1'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 9 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), done.

C:\Users\itsur>git add model.py
fatal: not a git repository (or any of the parent directories): .git

C:\Users\itsur>ls
'ls' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\itsur>cd iris1

C:\Users\itsur\iris1>ls
'ls' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\itsur\iris1>git add model.py

C:\Users\itsur\iris1>
```

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer (Left):** Shows a project folder named "IRIS1" containing files: Dockerfile, model.pkl, model.py, request.py, requirements.txt, server.py, and shell.sh.
- Editor (Center):** Displays the content of "model.py".

```
1: "versicolor",
2: "virginica"
}

#split the data set
from sklearn.model_selection import train_test_split
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=.40)

#Using decision tree algorithm
from sklearn import tree
classifier=tree.DecisionTreeClassifier()
classifier.fit(x_train,y_train)
predictions=classifier.predict(x_test)

#export the model
pickle.dump(classifier, open('model.pkl','wb'))

#load the model and test with a custom input
model = pickle.load( open('model.pkl','rb'))
x = [[6.7, 3.3, 5.7, 2.1]]
predict = model.predict(x)
print("Hello Worlds")
print(labels[predict[0]])
```
- Bottom Status Bar:** Shows file information (main), line count (Ln 18, Col 63 (2 selected)), and encoding (UTF-8 CRLF Python 3.7.3 64-bit). It also includes "Go Live" and "Prettier" buttons.

cmd Select C:\WINDOWS\system32\cmd.exe

```
C:\Users\itsur\iris1>git add model.py
```

```
C:\Users\itsur\iris1>git commit -m "test percentage changed1"
[main 9d5c40d] test percentage changed1
 1 file changed, 1 insertion(+), 1 deletion(-)
```

```
C:\Users\itsur\iris1>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 299 bytes | 299.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/itsuresha/iris1.git
 bb176e9..9d5c40d main -> main
```

A screenshot of a web browser window showing a GitHub OAuth authorization dialog. The title bar says "Authorize application". The URL in the address bar is [github.com/login/oauth/authorize?response\\_type=code&client\\_id=0120e057bd645470c1ed&state=4992c609eadb448996b0b9e7557150e6&code\\_challenge=...](https://github.com/login/oauth/authorize?response_type=code&client_id=0120e057bd645470c1ed&state=4992c609eadb448996b0b9e7557150e6&code_challenge=...). The main content of the dialog is:

Git Credential Manager by [GitCredentialManager](#)  
wants to access your itsuresha account

**Gists** Read and write access

**Repositories** Public and private

**Workflow** Update GitHub Action Workflow files.

Buttons: [Cancel](#) (gray), [Authorize GitCredentialManager](#) (green)

Text below the buttons: Authorizing will redirect to <http://localhost:62498>

Footer: Owned & operated by GitHub, Created 3 years ago, More than 1K GitHub users

Learn more about OAuth

The screenshot shows a Visual Studio Code (VS Code) interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** model.py - iris1 - Visual Studio Code.
- Explorer:** Shows a folder named "IRIS1" containing files: Dockerfile, model.pkl, model.py (selected), request.py, requirements.txt, server.py, and shell.sh.
- Code Editor:** Displays the content of "model.py". The code uses scikit-learn to split data, train a decision tree classifier, and export it as a pickle file. It also demonstrates loading the model and making a prediction for a specific input.
- Bottom Navigation:** PROBLEMS, OUTPUT, TERMINAL (selected), JUPYTER, DEBUG CONSOLE.
- Terminal Output:** Shows command-line output for running "python model.py" twice, both resulting in the output "Hello Worlds virginica".
- Bottom Status Bar:** Includes file navigation icons, a status message "76°F Rain off and on", and system status icons for battery, signal, and time ("6:06 PM 8/2/2022").

C:\WINDOWS\system32\cmd.exe

C:\Users\itsur\iris1&gt;git add model.py

C:\Users\itsur\iris1>git commit -m "test percentage changed5"  
[main 0d692e5] test percentage changed5  
1 file changed, 1 insertion(+), 1 deletion(-)C:\Users\itsur\iris1>git push  
Enumerating objects: 5, done.  
Counting objects: 100% (5/5), done.  
Delta compression using up to 4 threads  
Compressing objects: 100% (3/3), done.  
Writing objects: 100% (3/3), 299 bytes | 149.00 KiB/s, done.  
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.  
To https://github.com/itsuresha/iris1.git  
9d5c40d..0d692e5 main -> main

C:\Users\itsur\iris1&gt;

itsuresha/iris1    batch109-1 #4 Console [Jenkins]    +

localhost:8080/job/batch109-1/4/console

https://mail.google.... BOOKS Download India -WRIS Ground... Home - Global yiel... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

# Jenkins

Search ? ! 2 itsuresha log out

Dashboard > batch109-1 > #4

Back to Project Status Changes Console Output View as plain text Edit Build Information Polling Log Git Build Data Previous Build

## Console Output

Progress:  

```
Started by GitHub push by itsuresha
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\batch109-1
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\batch109-1\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/itsuresha/iris1.git # timeout=10
Fetching upstream changes from https://github.com/itsuresha/iris1.git
> git.exe --version # timeout=10
> git --version # 'git version 2.34.1.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/itsuresha/iris1.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision 0d692e597306eaeeaa46a9883357f1b798ebc9e2f (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 0d692e597306eaeeaa46a9883357f1b798ebc9e2f # timeout=10
Commit message: "test percentage changed5"
> git.exe rev-list --no-walk 9d5c40dd7733832185984cc704eedb3290c66843 # timeout=10
[batch109-1] $ cmd /c call C:\WINDOWS\TEMP\jenkins1166291968573943256.bat

C:\ProgramData\Jenkins\.jenkins\workspace\batch109-1>docker build --pull -t deploy .
```

76°F Rain off and on

Windows Start Search File Explorer Microsoft Edge Google Chrome Microsoft Word Microsoft Excel Microsoft PowerPoint Microsoft Paint Microsoft Visual Studio Code Microsoft Edge Dev

8/2/2022 6:08 PM

Data Science Education & Research 36

itsuresha/iris1    batch109-1 #4 Console [Jenkins]    +

localhost:8080/job/batch109-1/4/console

https://mail.google... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... G data analytics New Tab

Dashboard > batch109-1 > #4

```
#7 9.561 Could not find a version that satisfies the requirement pandas==1.2.4 (from -r requirements.txt (line 3)) (from versions: 0.1, 0.2, 0.3.0, 0.4.0, 0.4.1, 0.4.2, 0.4.3, 0.5.0, 0.6.0, 0.6.1, 0.7.0, 0.7.1, 0.7.2, 0.7.3, 0.8.0, 0.8.1, 0.9.0, 0.9.1, 0.10.0, 0.10.1, 0.11.0, 0.12.0, 0.13.0, 0.13.1, 0.14.0, 0.14.1, 0.15.0, 0.15.1, 0.15.2, 0.16.0, 0.16.1, 0.16.2, 0.17.0, 0.17.1, 0.18.0, 0.18.1, 0.19.0, 0.19.1, 0.19.2, 0.20.0, 0.20.1, 0.20.2, 0.20.3, 0.21.0, 0.21.1, 0.22.0, 0.23.0, 0.23.1, 0.23.2, 0.23.3, 0.23.4, 0.24.0, 0.24.1, 0.24.2, 0.25.0, 0.25.1, 0.25.2, 0.25.3, 1.0.0, 1.0.1, 1.0.2, 1.0.3, 1.0.4, 1.0.5, 1.1.0, 1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5)
#7 9.597 No matching distribution found for pandas==1.2.4 (from -r requirements.txt (line 3))
#7 9.914 You are using pip version 10.0.1, however version 21.3.1 is available.
#7 9.914 You should consider upgrading via the 'pip install --upgrade pip' command.
#7 ERROR: executor failed running [/bin/sh -c pip install -r requirements.txt]: exit code: 1
-----
> [stage-1 5/6] RUN pip install -r requirements.txt:
-----
executor failed running [/bin/sh -c pip install -r requirements.txt]: exit code: 1

C:\ProgramData\Jenkins\.jenkins\workspace\batch109-1>docker run -p 5000:5000 deploy
Hello Worlds
virginica
* Serving Flask app 'server' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Running on all addresses.
  WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://172.17.0.2:5000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 458-910-377
```

Commits · itsuresha/iris1

github.com/itsuresha/iris1/commits/main

https://mail.google.... BOOKS Download India-WRIS Ground... Home - Global yield... Historical populatio... India Population 20... United Nations: Ind... data analytics New Tab

Search or jump to... Pull requests Issues Marketplace Explore

itsuresha / iris1 Public

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main

Commits on Aug 2, 2022

test percentage changed5  
itsuresha committed 20 minutes ago

test percentage changed1  
itsuresha committed 28 minutes ago

Add files via upload  
itsuresha committed 4 hours ago

Newer Older

C:\Windows\System32\cmd.exe - ngrok http 8080

ngrok

(Ctrl+C to quit)

Hello World! <https://ngrok.com/next-generation>**Session Status****online****Session Expires**

1 hour, 3 minutes

**Terms of Service**<https://ngrok.com/tos>**Version**

3.0.6

**Region**

India (in)

**Latency**

16ms

**Web Interface**<http://127.0.0.1:4040>**Forwarding**<https://ca3e-49-207-220-28.in.ngrok.io> -> <http://localhost:8080>**Connections**

	ttl	opn	rt1	rt5	p50	p90
	3	0	0.00	0.00	5.43	7.89

**HTTP Requests**

-----

POST /github-webhook/	200 OK
POST /github-webhook/	200 OK
POST /github-webhook/	200 OK