

# Baby Voice Recognizer Guide

In case for some unfortunate events server stops, follow the steps given below

## Step 1:

Sign in to your aws account, and click on **EC2**, if **EC2** is not present there, search it in the search bar and click it

## Step 2:

After that click on the **instances** in the side panel and you will see this instance running named as “Baby Voice Recognizer”. Click on it.

EC2 Dashboard

EC2 Global View

Events

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Instances (1) Info

☐

Name

Instance ID

Instance state

Instance type

☐

Baby Voice Re...

i-030e3b481ff4a45b9

Running

t3.micro

Select an instance

## Step 3:

After that you'll see something like that, click on the **connect** button.

[Instances](#) > i-030e3b481ff4a45b9

**Instance summary for i-030e3b481ff4a45b9 (Baby Voice Recognizer)**
[Info](#)

Refresh

Connect

Instance state ▼

Actions ▼

Updated less than a minute ago

<div>Instance ID</div> <div>i-030e3b481ff4a45b9 (Baby Voice Recognizer)</div>	<div>Public IPv4 address</div> <div>  13.51.166.251   <a href="#">open address</a> </div>	<div>Private IPv4 addresses</div> <div>  172.31.44.109                 </div>
<div>Instance address</div>	<div>Instance state</div> <div> <b>Running</b> </div>	<div>Public IPv4 DNS</div> <div>  ec2-13-51-166-251.eu-north-1.compute.amazonaws.com   <a href="#">open address</a> </div>
<div>Instance name type</div> <div>ip-172-31-44-109.eu-north-1.compute.internal</div>	<div>Private IP DNS name (IPv4 only)</div> <div>  ip-172-31-44-109.eu-north-1.compute.internal                 </div>	
<div>Instance private resource DNS name</div> <div>ip-172-31-44-109.eu-north-1.compute.internal</div>	<div>Instance type</div> <div>t3.micro</div>	<div>Elastic IP addresses</div> <div>–</div>
<div>Instance assigned IP address</div> <div>3.51.166.251 [Public IP]</div>	<div>VPC ID</div> <div>  vpc-0734391e7521a7edb                 </div>	<div>AWS Compute Optimizer finding</div> <div> <a href="#">Opt-in to AWS Compute Optimizer for recommendations.</a>   <a href="#">Learn more</a> </div>
<div>Instance role</div>	<div>Subnet ID</div> <div>  subnet-08c62f699829927bf                 </div>	<div>Auto Scaling Group name</div> <div>–</div>
<div>Instance v2</div> <div>red</div>	<div>Instance ARN</div> <div>  arn:aws:ec2:eu-north-1:905418462947:instance/i-030e3b481ff4a45b9                 </div>	

ls

Status and alarms

Monitoring

Security

Networking

Storage

Tags

Step 4:

And without doing anything click **connect** again.

[EC2](#) > [Instances](#) > [i-030e3b481ff4a45b9](#) > [Connect to instance](#)

## Connect to instance [Info](#)

Connect to your instance i-030e3b481ff4a45b9 (Baby Voice Recognizer) using any of these options

EC2 Instance Connect	Session Manager	SSH client	EC2 serial console
<p>Instance ID i-030e3b481ff4a45b9 (Baby Voice Recognizer)</p> <p>Connection Type</p> <div><input checked="" type="radio"/> <b>Connect using EC2 Instance Connect</b> Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.</div> <div><input type="radio"/> <b>Connect using EC2 Instance Connect Endpoint</b> Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.</div> <p>Public IP address 13.51.166.251</p> <p>Username Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.</p> <input type="text" value="ec2-user"/>			

**Note:** In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

[Cancel](#) [Connect](#)

### Step 5:

Here you'll see the Amazon Linux terminal. To check the project name type the command

`ls`

It will print all the files in the home directory including our project as shown below, copy project name and run the command below to go into project directory

`cd Baby-Voice-Recognizer-Flask`

Now, we are in our project, but we need to activate virtual environment first in our project, type the `ls` command again to check if a folder named `env` exists, and then type the command below,

`source env/bin/activate`

This command will initialize the virtual environment in our project.

[illegible]

### Step 6:

Now we are all set to run the project. To run the project first make sure “nginx” is running by typing the command below,

```
sudo systemctl restart nginx
```

After that to run the project in the background, type the command below,

```
nohup python3 app.py &
```

This will run the project as a background activity and it won't shut down when you'll get away. Now, you can close this tab and check if the api is running successfully.

```
A newer release of "Amazon Linux" is available.  
Version 2023.5.20240708:  
Run "/usr/bin/dnf check-release-update" for full release and version update info  
  
#  
##### Amazon Linux 2023  
--\n#####|  
--\n####|\n--\n\n/V-'\n---\n\n-\n-/m/'
```

```
Last login: Thu Jul 11 17:01:56 2024 from 13.48.4.202  
[ec2-user@ip-172-31-44-109 ~]$ ls  
Baby-Voice-Recognizer-Flask tmp  
[ec2-user@ip-172-31-44-109 ~]$ cd Baby-Voice-Recognizer-Flask  
[ec2-user@ip-172-31-44-109 Baby-Voice-Recognizer-Flask]$ ls  
_pycache app.py env keys.py neural_network_20.pt nohub.out requirements.txt server.crt server.csr server.key uploads  
[ec2-user@ip-172-31-44-109 Baby-Voice-Recognizer-Flask]$ source env/bin/activate  
(env) [ec2-user@ip-172-31-44-109 Baby-Voice-Recognizer-Flask]$ sudo systemctl restart nginx  
(env) [ec2-user@ip-172-31-44-109 Baby-Voice-Recognizer-Flask]$ nohub python3 app.py &  
[1] 47180  
(env) [ec2-user@ip-172-31-44-109 Baby-Voice-Recognizer-Flask]$ nohub: ignoring input and appending output to 'nohub.out'
```