

Quick welcome note

Firstly, thank you for using this AMI. If you have any issues, questions or need help with setup please feel free to reach out to us on aws-marketplace-support@mfaconsulting.com. Additionally, if you would like to be notified as to when we make changes or improvements to the AMI or this documentation or when a new version of Superset is released please send an email to superset-updates@mfaconsulting.com and we'll add you to the mailing list.

Quickstart

1. Launch the AMI
2. The superset web service will start on boot and bind to port 8083
3. To retrieve the admin password you must initially have ssh access to the instance
 - a. ssh to your ec2 instance using the username 'ubuntu' and your associated key
 - b. Execute the command `cat ~/superset.password`
4. Enter http://<instance_public_ip_address>:8083 into your browser e.g. <http://1.2.3.4:8083>
 - a. To find out more about allocating an ip address to your instance you can consult the AWS documentation at <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html>
5. Login into superset with the username "admin" and the password retrieved in step 3

FAQs

Where is the superset application stored?

The application is stored in /opt/superset

How do I stop/start/restart the service?

The service is controlled using *systemctl*

```
sudo systemctl stop superset
```

```
sudo systemctl start superset
```

```
sudo systemctl restart superset
```

```
sudo systemctl status superset
```

How do I enable HTTPS?

Acquire your cert and key file from your SSL provider if you would like to try the free Let's Encrypt service there are instructions here <https://letsencrypt.org/getting-started/>

Place your cert and key in /opt/superset

You will need to do the following in order to allow python to bind to port 443

```
sudo setcap CAP_NET_BIND_SERVICE=+eip /usr/bin/python3.10
```

Edit `/opt/superset/superset.sh` and make sure the `gunicorn` command has the following changes

```
-b 0.0.0.0:443
--certfile=./<your certificate file>.pem
--keyfile=./<your key file>.pem
```

Now execute

```
sudo systemctl restart superset
```

Make sure to modify your security group to allow access to port 443 from desired ranges

How do I enable alerts and email?

The latest version (2025.01.24) of this AMI has most of the configuration already setup. The only item that needs configuration is your email SMTP settings.

1. Uncomment the SMTP section
 - i. Update the SMTP section with the correct details for your mail service
 - ii. If you need a mail sending service we recommend trying Amazon SES, Mailgun or Sendgrid
2. Restart Superset
 - a. `sudo systemctl restart superset`

<https://superset.apache.org/docs/configuration/alerts-reports/#commons>

Upgrading

Official documentation can be found here:

<https://superset.apache.org/docs/installation/upgrading-superset>

We recommend creating an EC2 snapshot of your instance before upgrading

In the context of this AMI you can upgrade by running the following commands

```
cd /opt/superset/
./opt/superset/venv.superset/bin/activate
export SUPERSET_CONFIG_PATH=/opt/superset/superset_config.py
pip install apache_superset --upgrade
export FLASK_APP=superset
superset db upgrade
superset init
```