Set up your Deployment

An Astro Deployment is an Astro Runtime environment that is powered by the core components of Apache Airflow, including the Airflow webserver, scheduler, and one or more workers.

You can create a Deployment from a Workspace on Astro. After you create a Deployment, you can deploy DAGs to it from the Astro CLI or from a continuous delivery (CI/CD) process. All DAGs and tasks on Astro are executed within a Deployment.

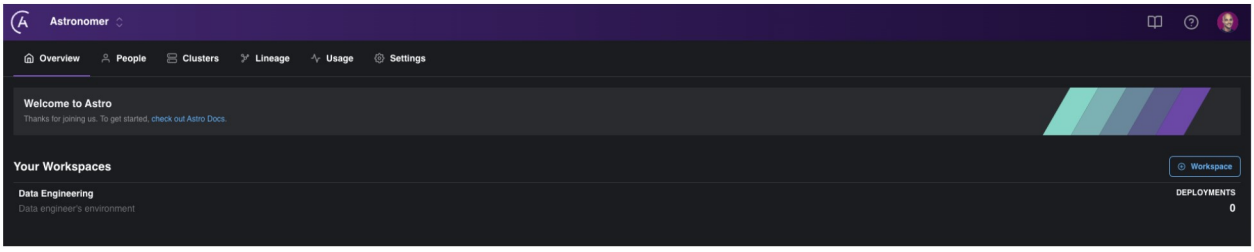
Every Deployment is hosted on a single Astro cluster with its own dedicated resources, which you can customize to meet the unique requirements of your Organization.

Prerequisites

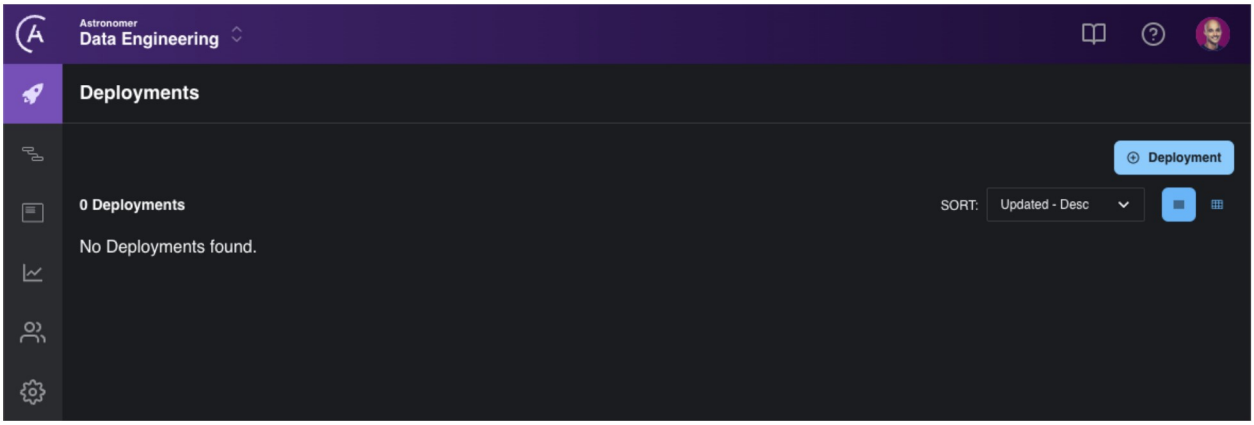
You should have your Workspace set up from the previous activity

Create your Deployment

On the `Overview tab`, select your Workspace `Data Engineering`

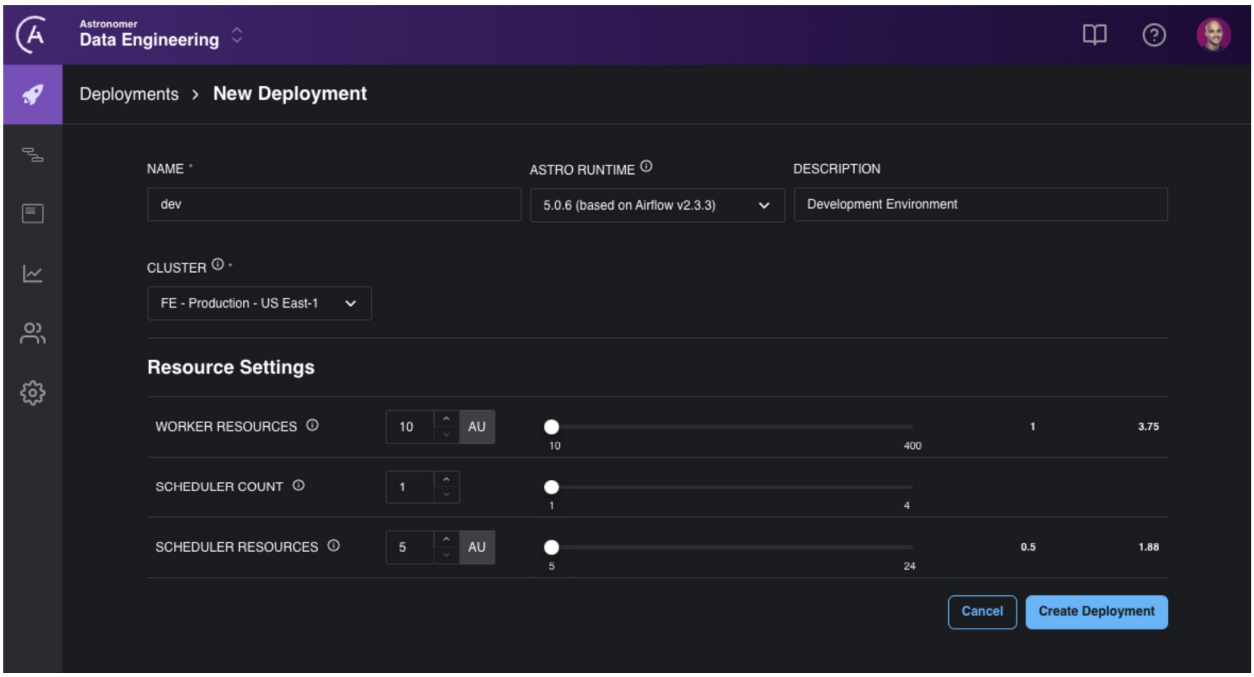


On the Deployments page, click the `+ Deployment` button



Complete the following fields:

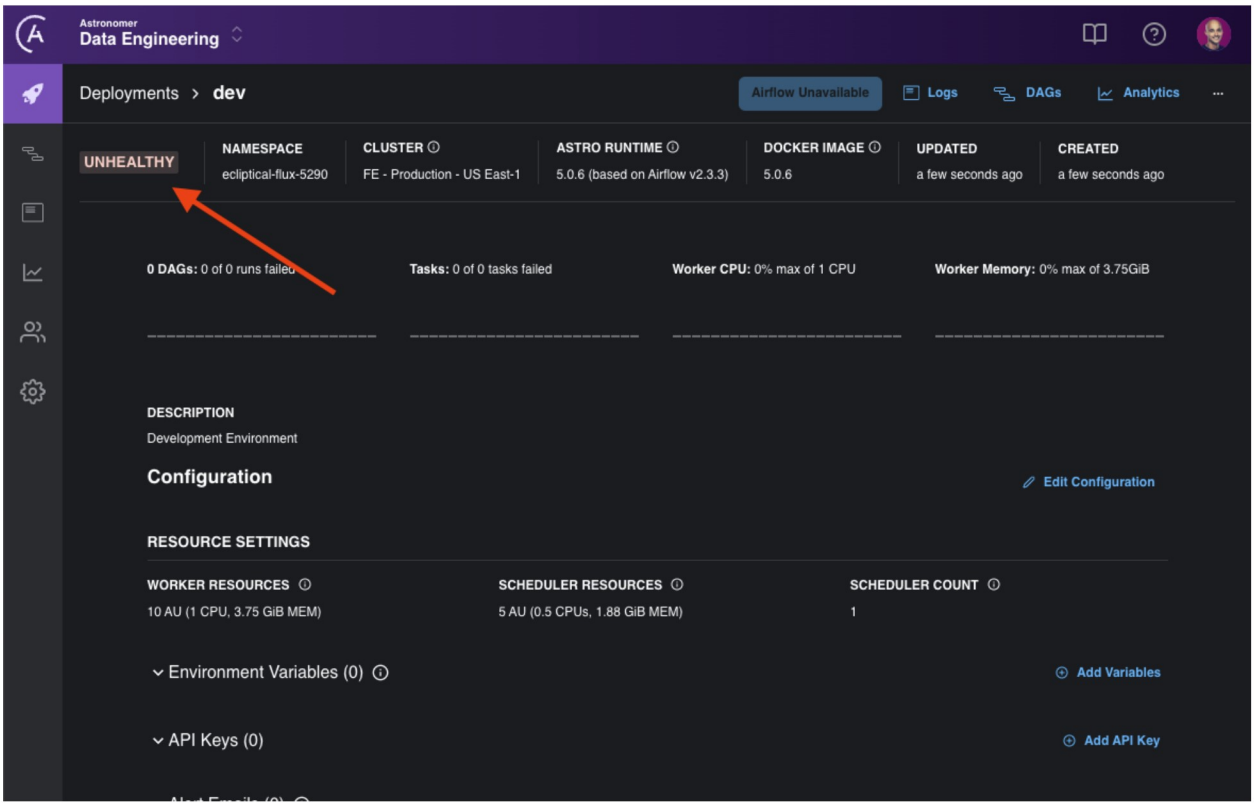
- **Name**: `dev`
- **Astro Runtime**: By default, the latest version of Astro Runtime is selected. Keep this one. Notice that you can't downgrade to a lower version. If you want to do that, you will have to create a new Deployment.
- **Description**: `Development environment`
- **Cluster**: Select the Astro cluster in which you want to create this Deployment. You should have your cluster(s) listed here.



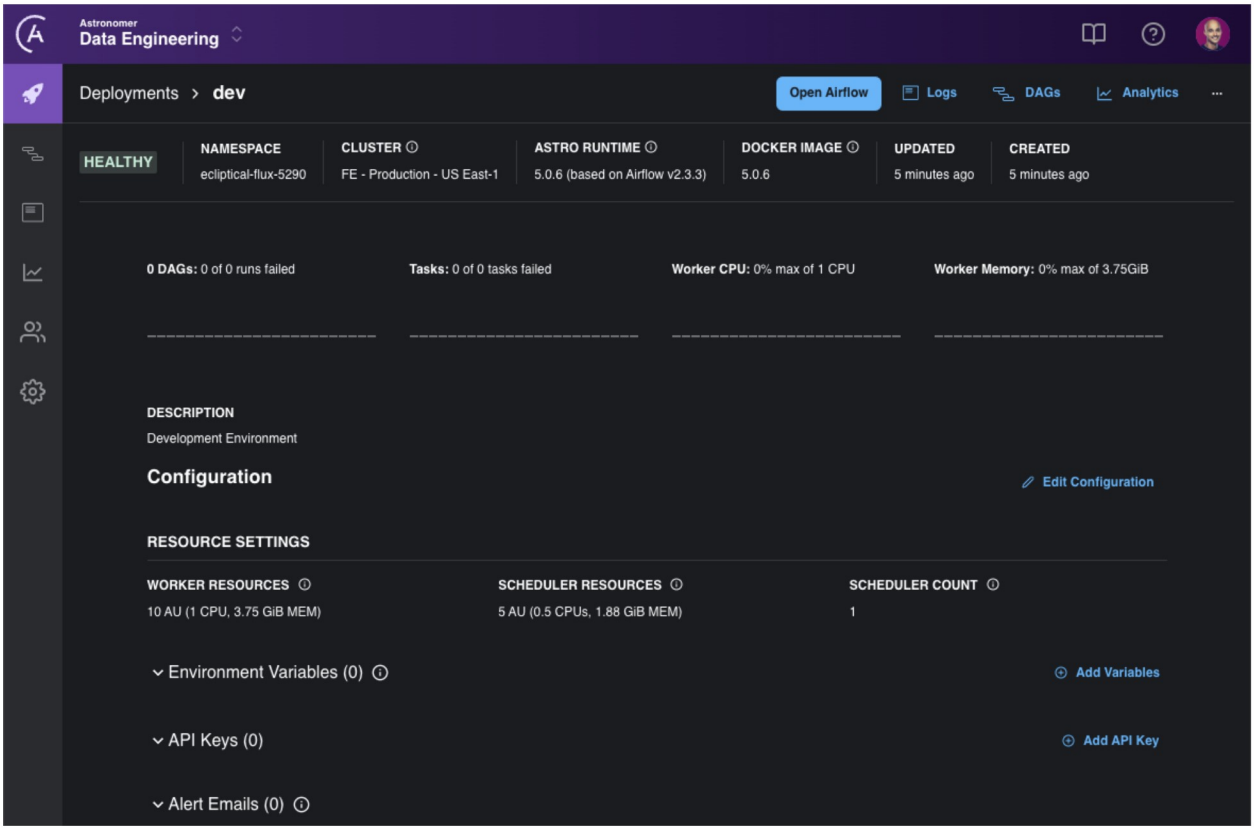
Keep the resource settings by default. You will be able to add more resources later if you need to.

Click `Create Deployment`

The initial status of all new Deployments is `UNHEALTHY`
This indicates that the webserver and scheduler for the Deployment are being created in your Astro cluster. In a few minutes, the status changes to `HEALTHY`

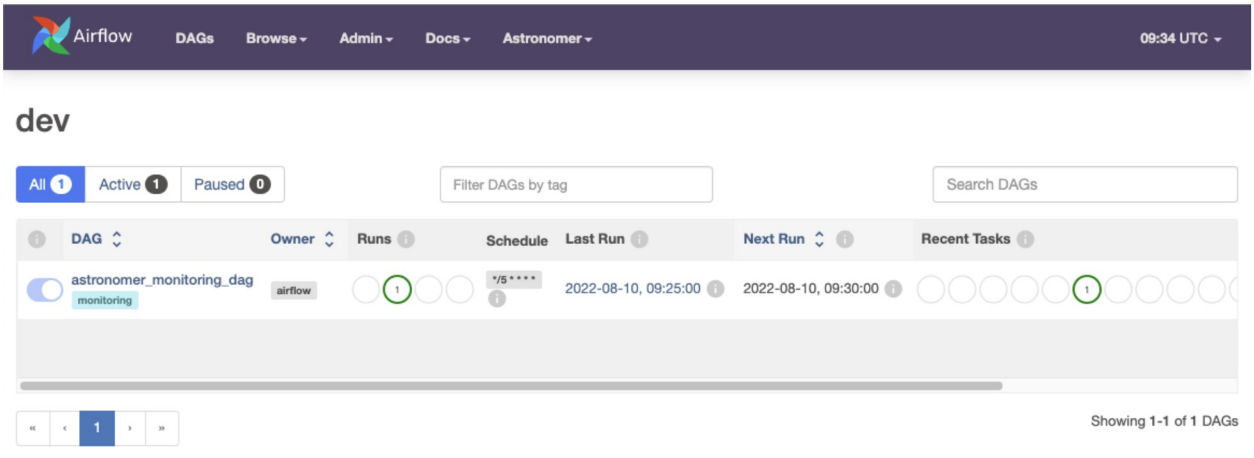


After a few minutes, once the status is `HEALTHY`, click on `Open Airflow`



Airflow

Hello Airflow on Astro 👋



Well done! You have successfully set up your Deployment and you have a well configured Airflow instance running ready for your data pipelines 😎

Additional resources

Upgrade Astro Runtime: https://docs.astronomer.io/astro/upgrade-runtime

Astro Runtime release notes: https://docs.astronomer.io/astro/runtime-release-notes

Create a Deployment: https://docs.astronomer.io/astro/create-deployment

Configure Deployment resources: https://docs.astronomer.io/astro/configure-deployment-resources