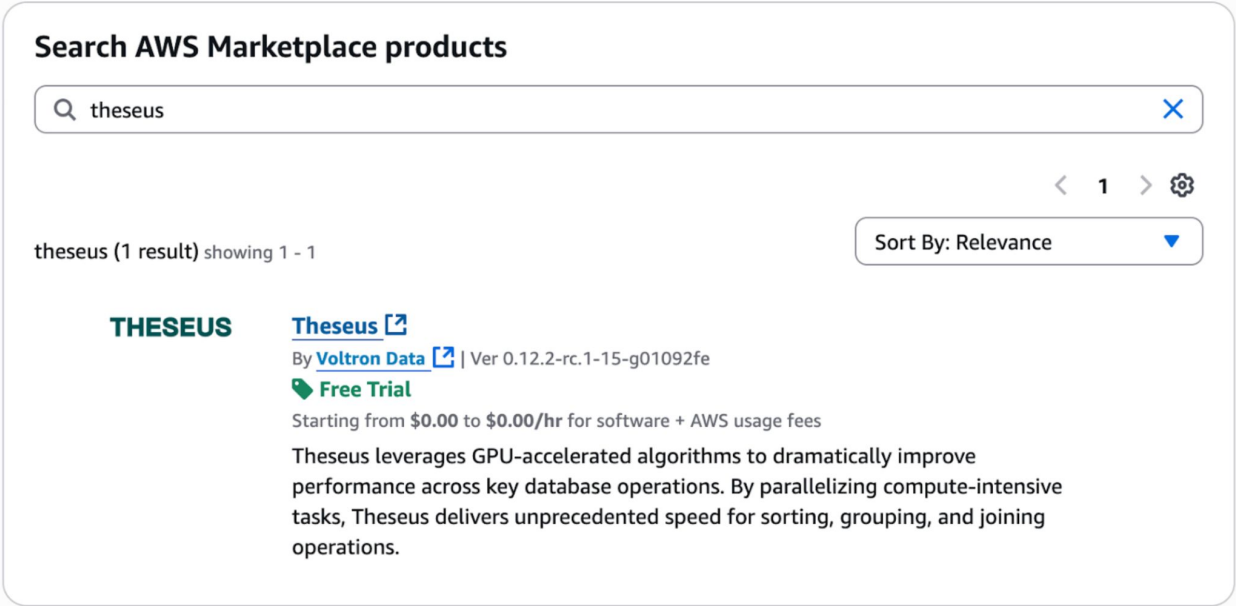
VOLTRON DATA

Setup Guide: Theseus on AWS

This guide walks you through deploying **Theseus** on Amazon EKS using the AWS Marketplace offering. Total setup time is ~10 minutes.

1 Subscribe to Theseus on AWS Marketplace

1. Navigate to the AWS Marketplace.
2. Search for **Theseus**.
3. Select the Theseus by Voltron Data product.
4. Click **Try for Free** (30-day trial).
5. On the subscription page, scroll down and click **Subscribe**.
6. From your subscription list, select **Launch** next to Theseus.



2 Launch the Deployment

1. On the **Launch Theseus** page:
   - **Service**: Select **EKS**.
   - **Delivery method**: Select **Helm chart**.
   - Use the latest stable version.
2. Open a terminal with `kubectl` configured for your target EKS cluster.
3. Run the commands provided under **General launch instructions.**

   These commands:
   - Create the namespace (`vice`).
   - Pull container images and Helm charts.
   - Kick off installation.
4. Installation takes ~2-4 minutes.

3 Verify Installation

Switch into the vice namespace and check progress:

```shell
kubectl config set-context --current --namespace=vice
kubectl get jobs
```

- Wait until the job ending with **-install-templates** shows Completed.
- Check ingress to find the external URL:

```shell
kubectl get ingress
```

Look under **ADDRESS** for an ELB hostname (e.g., k8s-vice-theseusc-XXXXXX.us-east-1.elb.amazonaws.com).

4 Access the Theseus UI

1. In your browser, go to: http://<ELB_ADDRESS>
2. Login with:
   - **Username:** admin@voltrondata.com
   - **Password:** Retrieve from Kubernetes:

```shell
kubectl get secret vice-admin-credentials
-ojsonpath="{.data.password}" | base64 -D | clipcopy
```

3. Paste the password and click **Login**.

5 Create Your First Engine

1. In the UI, go to **Engines** → **Add Engine**.
2. Select the template **duckdb-4-8**.
3. Click **Create**.
4. Wait 1–2 minutes until status = **Ready**.

6 Run a Test Query

1. Navigate to **Notebooks** in the UI.
2. Add a new cell, then generate sample data:

```python
CALL dbgen(sf=.1);
```

3. Run a TPC-H query, for example:

```python
select
  l_returnflag,
  l_linestatus,
  sum(l_quantity) as sum_qty,
  sum(l_extendedprice) as sum_base_price,
  count(*) as count_order
from lineitem
where l_shipdate ⩽ date '1998-12-01' - interval
'90' days
group by l_returnflag, l_linestatus
order by l_returnflag, l_linestatus;
```

4. Results appear below the editor.

7 Clean Up

When finished, return to **Engines**, click the trash icon, and confirm the deletion of your engine.

At this point,
Theseus is running and ready for you to load data, provision GPU-backed engines, and run fast analytic queries.