



Access the Enterprise Data Warehouse (EDW) with AWS Athena

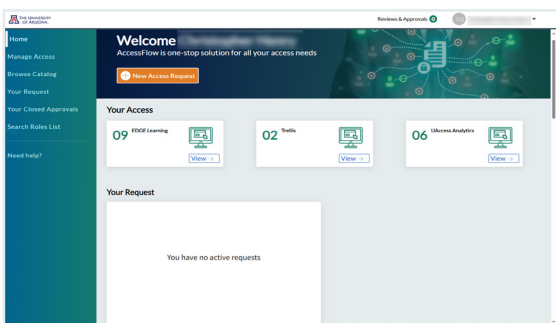


UAIR provides direct access to the EDW via the Athena service in the AWS console. Athena has replaced using SQL Developer in an AWS workspace to query the EDW. Follow along with the steps below to request access and start querying university data.

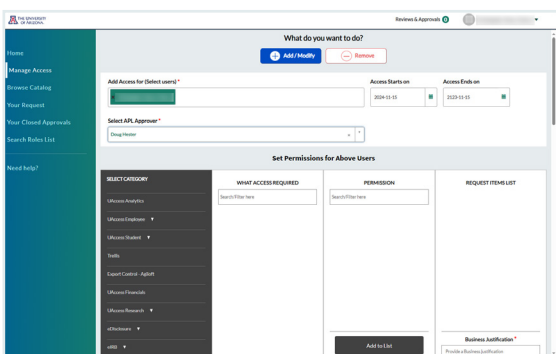
Gaining Access

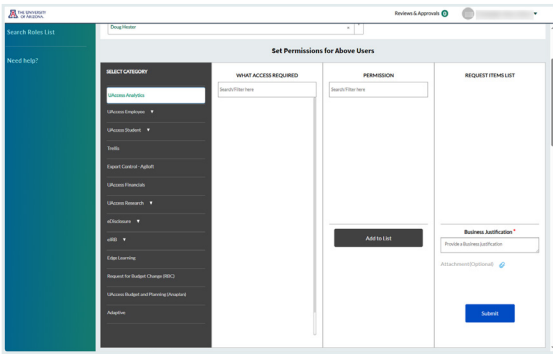
Before you can access the EDW, you must submit a request via AccessFlow. UAIR will verify the need and security requirements before setting up your access. Start by logging into [AccessFlow](#) with your Net ID.

1. Select New Access Request.

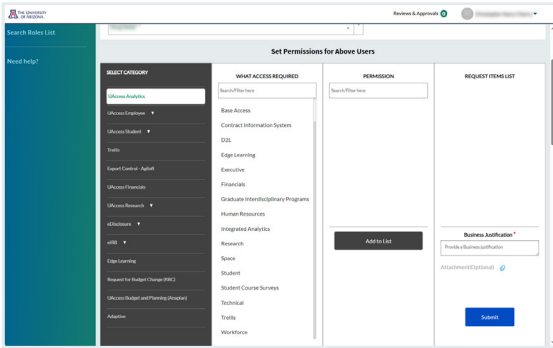


2. Select your user information and choose “Doug Hester” as the APL Approver.

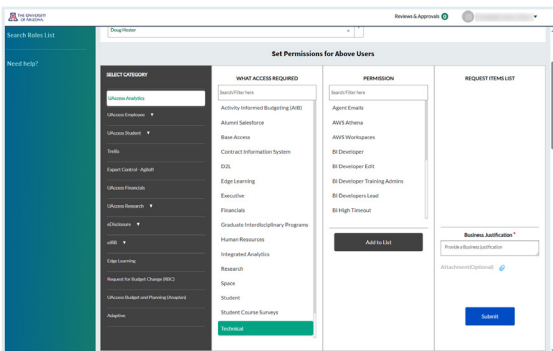




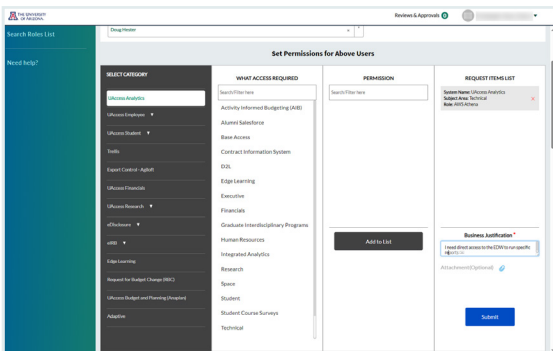
3. Click **UAccess Analytics** under “Select Category”.



4. Click **Technical** under “What Access Required”.



5. Select **AWS Athena** under “Permission” and then click Add To List.

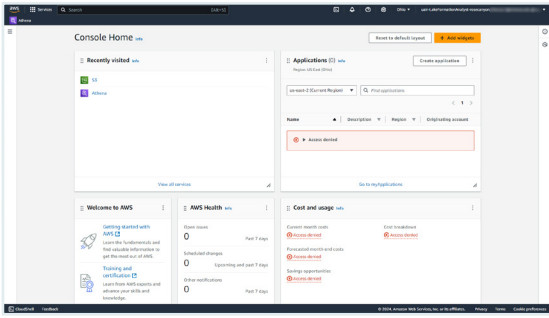


6. Enter your business justification and click **Submit**.

Expect UAIR to respond to your request shortly.

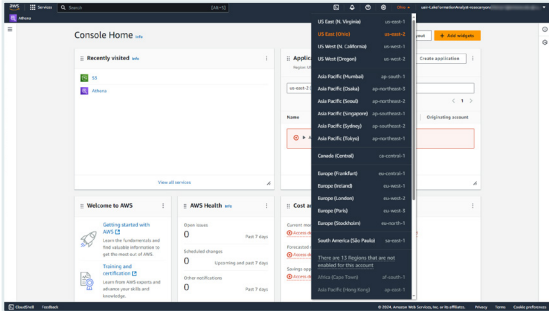
Setting Up Athena

Once your request has been approved, you will receive an email confirmation along with a link to the university’s AWS Console.



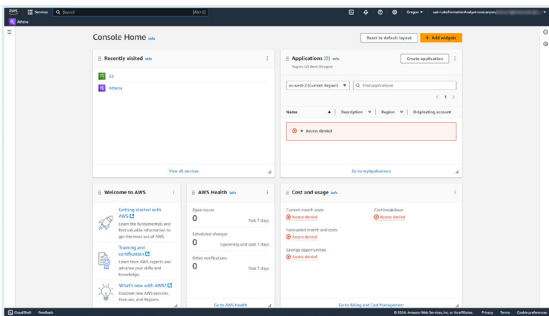
1. When you login to AWS Console, you will see the console home.

First, you'll need to change your server location. Click the **dropdown** that says "Ohio".

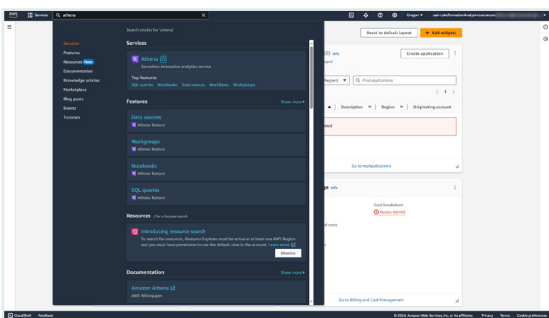


2. Select **us-west-2 / Oregon**.

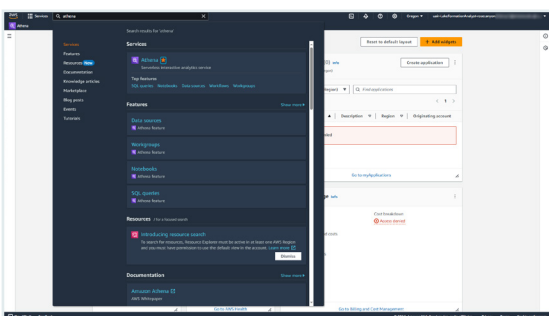
Please make sure to run all queries from the Oregon server location.



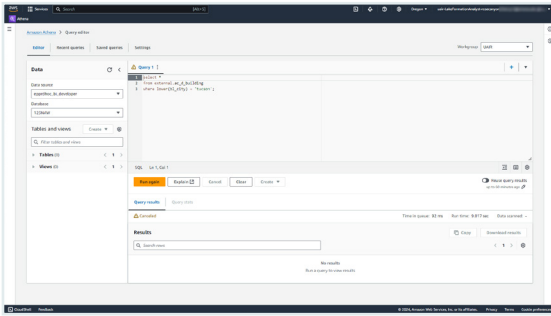
3. Click the search bar at the top and type in "Athena".



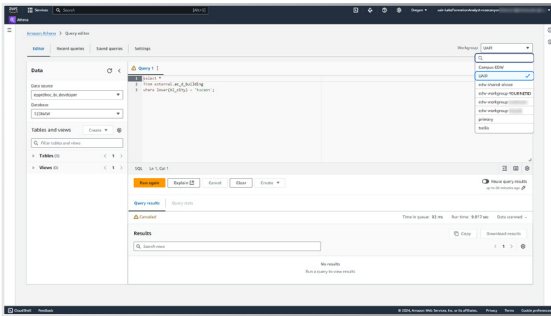
4. Click the star icon to favorite Athena.



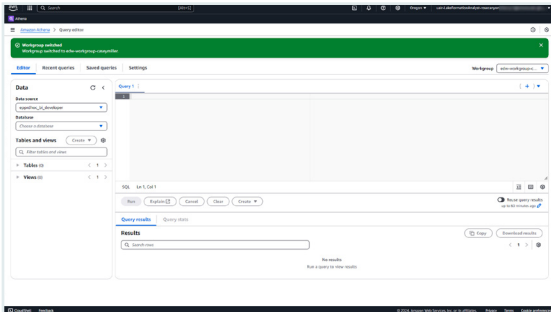
5. Athena has now been added to top bar of the AWS console. Click on **Athena** to open it.



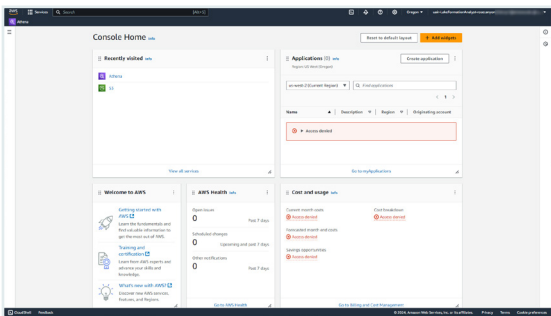
6. Lastly, change the workgroup. Click the dropdown next to “Workgroup”.



7. Click **edw-workgroup-“Your NetID”**.



8. You are now ready to start using Athena. Click the **AWS logo** to return home.



9. Athena will now appear as an option under the “Recently Visited” section and at the top left of the console.

Using Athena

If you’ve used SQL Developer, you’ll be mostly familiar with Athena’s layout.

Please include a limit at the end of your query. Athena bills the university based on how much data is returned, so limiting the query to a few hundred rows helps cut costs.

SQL: limit 100

However, for any data that you need the full set back on, feel free to run it without a limit.

The screenshot shows the Amazon Athena console interface. On the left, the 'Data' panel includes 'Data source' (edw_YourNetID), 'Database' (123NAW), and 'Tables and views' (Tables (0), Views (0)). The main editor shows a SQL query: 'select * from external.ac_d_building where lower(bl_city) = 'tucson' limit 100;'. Below the editor are buttons for 'Run again', 'Explain', 'Cancel', 'Clear', and 'Create'. The 'Query results' section shows a 'Completed' status with 'Time in queue: 167 ms', 'Run time: 8.235 sec', and 'Data scanned: 15.26 MB'. The results table has 100 rows and 10 columns, with the first four rows visible. A 'Download results' button is highlighted with a blue circle.

1. Data Source

Select “edw_YourNetID”

2. Database

Select the database you would like to query.

3. Tables and Views

This section allows you to choose the specific tables or views in the database.

4. Query Actions

Use this menu to save queries.

5. Recent Queries and Saved Queries

Use these tabs to view a history of past queries or load queries you’ve saved.

6. Download Results

Export your query results in a .CSV format.

Here to Help

Have any questions? Feel free to reach out to the UAIR team.



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