



EPYC Cloud Cost Advisor User Guide



Experience the cloud with AMD



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Version History

Version	Release Date	What's New		Upcoming / What's Next
		Major Features	Minor Improvements	
V3.1.0	June, 2025	<ul style="list-style-type: none"> Azure App Insights Integration: Introduced support for Azure Application Insights as a telemetry connector. 	<ul style="list-style-type: none"> Code Snippet: <ul style="list-style-type: none"> Customers can view the code snippet for applicable APIs. Currently, only the CURL format is supported. Once an API key is generated, users can use the code snippet directly in API testing tools. Enhanced Admin Visibility: <ul style="list-style-type: none"> Administrator can now view all portfolios across their organization. Interactive Demo Enhancements: <ul style="list-style-type: none"> Faster loading times. Added audio and visual guidance to improve user onboarding. New controls to mute or skip instructions. General Bug Fixes and Performance Improvements 	<ul style="list-style-type: none"> AWS Legacy Recommendations Support <ul style="list-style-type: none"> Upcoming support for instance recommendations on AWS v2 and v3 instance types Telemetry Expansion: <ul style="list-style-type: none"> Planned support for GCP Open Telemetry integration. Prometheus-based telemetry support
V3.0.0	May, 2025	<ul style="list-style-type: none"> Google Cloud Platform (GCP): GCP support has been extended to all regions globally. (regional availability should be considered) API Key for Third-Party Applications: <ul style="list-style-type: none"> Users can now generate up to five API keys to access Recommendations, Supported instances, Data validation. To generate an API key - Log in to your account, Visit your Profile, Download the User Guide, Generate your API key. AWS CloudWatch Telemetry Connector: Users can now link their AWS CloudWatch account to View all instances and Receive tailored recommendations and cost advice. 	<ul style="list-style-type: none"> Excel Export Enhancements: <ul style="list-style-type: none"> Improved font size and note color for better readability. Region, Instance, Monthly cost and Annual Cost columns for current instances are now frozen in the export excel file, enabling more accurate comparisons. General Bug Fixes and Performance Enhancements. 	<ul style="list-style-type: none"> Azure Application Insights Integration: Support for Azure App Insights to enhance telemetry data collection and analysis. Hyper-V VM's support for recommendations/cost advice. Automated CUR Ingest: <p>Customers can upload a data file, and the EPYC advisory service will extract the necessary data and create an input file for the cost advisor and instance advisor.</p> Custom Headroom Recommendations. Enhanced Interactive Demo Experience. Refined EIA (EPYC Instance Advisor) Recommendations. Clear differentiation between

				the recommendations for EIA. <ul style="list-style-type: none"> • Cost optimized instances. • Performance-optimized instances. • Less power and less carbon producing instances.
v2.0.0	April, 2025	<ul style="list-style-type: none"> ▪ GCP support extended to include the US, UK, Netherlands, India, and Australia. ▪ Microsoft Azure is now supported across all countries and regions. ▪ Support added for 'Spot Instance' pricing model enabling more cost-effective recommendations. 	<ul style="list-style-type: none"> ▪ Current instance columns are now frozen in the cost advice table for easier comparison with hourly, modernize, and downsize options. ▪ Instance names from user-connected cloud accounts are now displayed ▪ Removed 'Update Credentials' for cloud usage reports. ▪ Family and generation information is now shown for all AMD instances. ▪ GCP Datadog telemetry is included. It allows customers to link their Datadog account with GCP VMs, eliminating the need to export and upload data for cost recommendations. ▪ Azure Datadog telemetry is included. It allows customers to link their Datadog account with Azure VMs, eliminating the need to export and upload data for cost recommendations. ▪ Users can request a role change directly within the platform. Admins have the ability to approve or deny these requests. ▪ Access to specific features and operations will adjust automatically based on the user's assigned role. ▪ No cost recommendations are shown if the current instance is already using the latest AMD processor. ▪ Customers are provided with interactive demos during registration, login, and for CCA application for enhanced onboarding experience. 	<ul style="list-style-type: none"> ▪ Extended telemetry tool with AWS CloudWatch to further enhance data collection and analysis. ▪ Full global coverage for all countries and regions on Google Cloud Platform.

v1.7.0	Mar, 2025	<ul style="list-style-type: none"> ▪ GCP Support - Users can now add their GCP accounts to retrieve VM details and receive cost advice/recommendations. ▪ GCP Region Availability: Currently, GCP support is available only for US regions. 	<ul style="list-style-type: none"> ▪ Azure Pricing Model: Added support for the “reserved” pricing model in Azure Cloud. ▪ Bug Fixes and Performance Improvements: Various bug fixes and optimizations for improved performance. 	<ul style="list-style-type: none"> ▪ GCP ‘Modernization and Downsizing’ Recommendations: Future support for GCP cost optimization with modernization and downsizing recommendations. ▪ Expanded GCP Region Support: GCP recommendation support will extend to four additional countries: UK, Netherlands, India, and Germany. ▪ Global Azure Support: Azure cloud recommendations will be available for all countries.
v1.6.1	Mar, 2025	<p style="text-align: center;">Interim Release</p> <p>Minor Improvements:</p> <ul style="list-style-type: none"> ▪ Users can now name an instance when adding it to receive cost advice. This will help users identify instances based on the VM's purpose. ▪ Users can now upload a maximum of 20,000 records in a single file to receive cost advice and recommendations. ▪ Instance aggregation has been removed. If a user uploads 10 similar instances, the recommendation will include 10 instances. <p>Enhanced User sessions:</p> <ul style="list-style-type: none"> ▪ Users can now experience a more seamless interaction with the EPYC advisory application, as the need to log in multiple times within a short period is eliminated. ▪ By utilizing the refresh token technique, users can stay logged in for an extended period without needing to re-enter their login credentials. <p>Note: If users manually clear cookies or site data, they will be required to log in again.</p>		<p>Azure Regional Beta:</p> <ul style="list-style-type: none"> ▪ Azure recommendation will be available in the US, UK, Denmark, India, and Germany regions by the second week of March.
v1.6.0	Feb, 2025	<p>AWS Telemetry Connector:</p> <ul style="list-style-type: none"> ▪ Customers are enabled with Datadog telemetry connector to fetch metrics, supporting advisory services. This effort serves as a backup for the need to use the StatsCollector tool offered by advisory services ▪ This enhancement allows for seamless collection of metrics from Datadog, enabling users to receive tailored cost advice for selected instances. 	<p>Delete Error Button:</p> <ul style="list-style-type: none"> ▪ If users encounter multiple errors after uploading a file, a new Delete Error button has been added. Clicking this button will remove all instance rows with errors at once. ▪ This option simplifies the process by eliminating the need to delete each error row individually, making it easier to manage and correct the data. 	<p>Azure Regional Beta:</p> <ul style="list-style-type: none"> ▪ Azure recommendation will be available in the US, UK, Denmark, India, and Germany regions by the second week of March.
v1.5.0	Jan, 2025	<ul style="list-style-type: none"> ▪ ‘Find and replace’ functionality to correct multiple errors at once. Applicable for Region, instance type and pricing model. ▪ Auto correction of cloud provider to the selected CSP. 	<ul style="list-style-type: none"> ▪ User guide now opens in a new tab instead of downloading directly. ▪ Added helper section for ‘EIA is recommended’ and ‘Unsupported instance’. ▪ Now users can delete multiple instances of a file in one go by 	<ul style="list-style-type: none"> ▪ AWS telemetry connector support.

		<ul style="list-style-type: none"> ▪ Auto adjustment of quantity and hours to default values if entered incorrectly. Ex: if quantity is 0, then it will be set to 1, and hours is set to 730. ▪ Added support for 4th generation Azure VM's 	<ul style="list-style-type: none"> ▪ selecting checkboxes for each instance. ▪ Intel instances with id and idn i.e. NVMe and Nvidia GPU are not supported. A link to 'EIA recommended' is provided. ▪ Removed the 'total' calculations row from cost advice table 	
v1.4.1	Jan, 2025	<ul style="list-style-type: none"> ▪ Interim Release: Minor bug fixes & Performance Improvements. 		
v1.4.0	Dec, 2024	<ul style="list-style-type: none"> ▪ Customer Support/Feedback: A support button has been added with contact details (hotline number and email) for easy access to customer support. ▪ Instance Data Editing: After uploading data, users can now double-click fields to edit the instance data before saving and receiving cost advice. ▪ Region and Instance List: Users can now view a comprehensive list of all regions and instances supported by the Summit. 	<ul style="list-style-type: none"> ▪ Updated User Guide: The user guide has been updated with the latest information. ▪ Updated Online Help: Enhanced online help content to support user needs. ▪ Performance Enhancements and Bug Fixes: Various performance improvements and bug fixes to ensure smoother functionality. 	<ul style="list-style-type: none"> ▪ Azure Support
v1.3.0	Nov, 2024	<p>Azure Support:</p> <ul style="list-style-type: none"> ▪ Added support for Azure cloud, including account creation, instance management, and cost advice / recommendations. <p>Cost Advice Update:</p> <ul style="list-style-type: none"> ▪ Included skipped instances in the cost advice table. ▪ Added cost recommendations for instances older than the 4th generation. 	<ul style="list-style-type: none"> ▪ Optimized Explorer functionality to ensure region filter is taken from the Explore Fill response. ▪ API optimized for single call, returning all instances when region param is absent. ▪ Added common error messages in cloud usage reports. ▪ Fixed SonarQube issues to improve UI security and code quality (XSS, DoS, code readability). 	<ul style="list-style-type: none"> ▪ Enhanced customer support / feedback features. ▪ Advanced instance data editing options. ▪ Improved error handling and reporting. ▪ Expanded region and instance support. ▪ Ongoing performance optimizations. ▪ More detailed user resources and guides
v1.2.0	Oct, 2024	<ul style="list-style-type: none"> ▪ Initial release with basic setup and usage instructions. 	<ul style="list-style-type: none"> ▪ Standardized font sizes throughout the guide. 	

Overview

AMD Cloud Cost Advisor is a tool designed to help users optimize cloud spending by providing real-time insights and cost-saving recommendations when migrating from non-AMD x86 instances to AMD-powered instances within the same cloud service provider.

This guide will walk you through the various features and functionalities of AMD Cloud Cost Advisor to maximize efficiency and cost-effectiveness in managing your cloud infrastructure.

Benefits

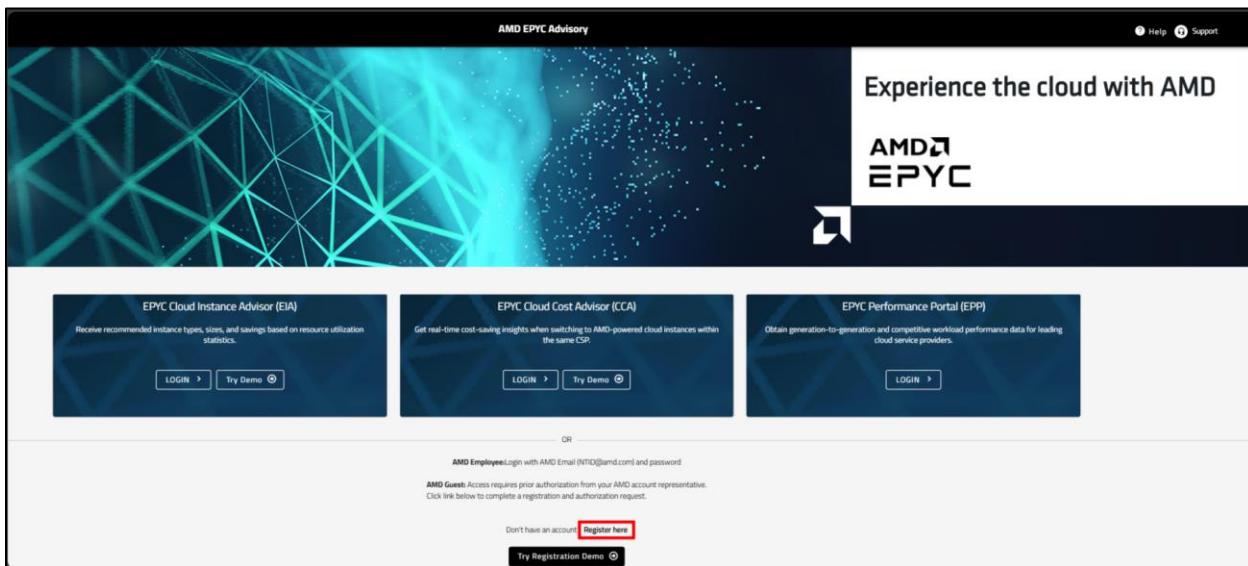
- Cost Savings Analysis:** Compare list pricing of current non-AMD x86 on-demand or reserved cloud instances with AMD EPYC™ processor-powered instances from the same cloud service provider.
- Customizable Solutions:** Explore and evaluate cost-saving opportunities specific to your cloud environment, empowering informed decision-making.
- Comprehensive Toolset:** Generate detailed reports on cost savings estimates and seamlessly manage instances within familiar cloud environments.

Getting Started

Registration for New Users

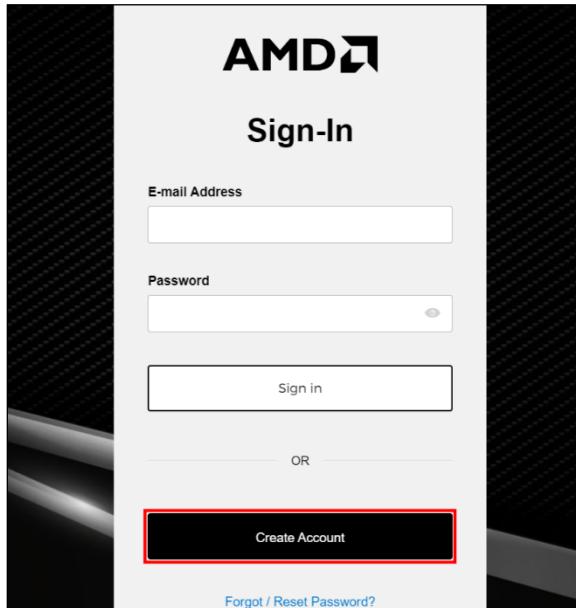
Step 1: Visit the Registration Page

- Go to the AMD EPYC Advisory portal (epycadvisory.amd.com).
- Click on “**Register here**”.



Step 2: Create an Account

- On the Sign-In page, click “**Create Account**”.



Step 3: Fill in Your Details

- First Name
- Last Name
- E-mail: Business users, please provide your company email address for full access. All other users use your personal email address.

Note: Internal AMD users must use **username@amd.com** for sign in. Please do not use the format firstname.lastname@amd.com as it will not work. AMD users may not create or reset accounts through this system.

- Preferred Language
- Location
- Complete the **CAPTCHA** to prove you are not a robot.
- Review the details and click “**Submit**”.

AMD Account Creation

To create an account, complete the form below.

An account activation message with an **Access Token** will be sent via e-mail to the address you specify below.

First Name *

Last Name *

E-mail *

Business users, please provide your company e-mail address for full access to licensing, support, and services. All other users, please use your personal e-mail address.

Preferred Language *

Location *

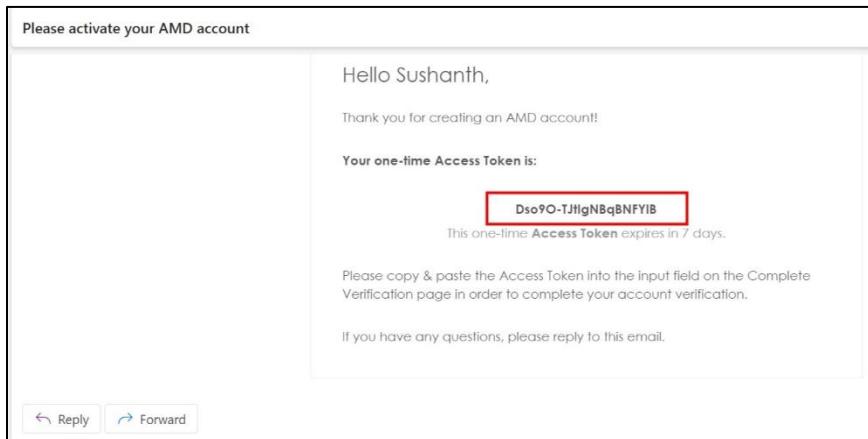
By creating an account, you agree to the AMD [Terms of Use](#) and [Privacy Policy](#).

I'm not a robot 

[Submit](#)

Step 4: Receive Activation Email

- Check your email for an activation message containing an Access Token.



Account Activation

Step 1: Enter Access Token

- Input the access token you received in your email.

Step 2: Set Your Password

- Provide a strong password that meets the following criteria:
 - It must be **between 10 and 72 characters** long.

- It must contain at least **1 lowercase letter** (a-z), **1 uppercase letter** (A-Z), **1 number** (0-9), and **1 special character** (e.g.,!, @, #, \$).
- It must **not** contain any part of your **email address, first name, or last name**.
- It must **not** be a commonly used password (e.g., password123, 123456).
- Confirm the password by entering it again.
- Complete the **CAPTCHA** to verify you are not a robot.
- Click **Activate Account**.

Next Step - Activate Your Account

Please check your e-mail for your AMD account activation message.

To activate your account, enter the **Access Token** from the account activation e-mail message and create a password.

Access Token *

Password *

Password Strength: Strong.

Must contain a minimum of 10 characters and a maximum of 72 characters
 Must contain at least 1 lowercase letter, 1 uppercase letter, 1 number and 1 special character (eg: !@#\$%^&*+=)
 Must not contain parts of your E-mail address, first name or last name
 Must not be a commonly used password

Confirm Password *

Password match: Yes

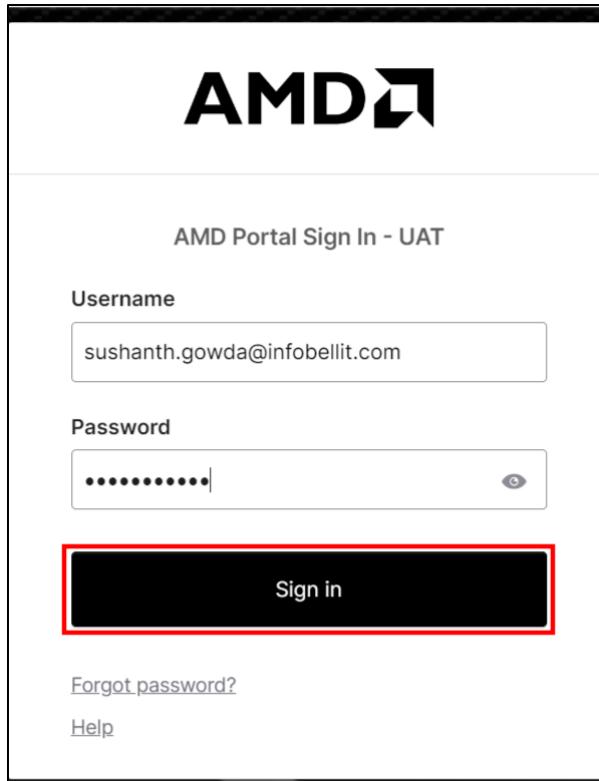
I'm not a robot  reCAPTCHA Privacy Terms

Activate Account Resend Activation E-mail

Note: If you do not receive a confirmation e-mail within a few minutes please check your junk mail folder and add sender account.help@amd.com to your address book.

Note:

- If you did not receive an activation email, click **Resend Activation Email** to request the code again.
- If you don't receive the confirmation email within a few minutes, check your **junk email folder** and add the sender **account.help@amd.com** to your address book.
- Once you click on Activate Account, you will be directed to the sign-in screen.
- Enter your Username and Password, then click **Sign in**.



- You will be redirected to the Secure Application Access Request page.

Secure Application Access Request

Step 1: Fill in Your Details

- First Name, Last Name, and Email will be auto populated.
- Company Name
- Address Line 1
- Address Line 2
- Location
- State/Province
- City
- Postal Code
- Phone
- Job Function

Step 2: Agree to Terms

- Input your full name in the **I Agree** field to acknowledge the terms and conditions.

Step 3: Submit Request

- Review the details and click "**Register Now**".

Secure Application Access Request - EPYC Instance Advisor

Important Notice: Before migrating to an AMD EPYC™ processor-based cloud instance, you must verify that such migration is covered in the agreement between you and your cloud service provider. If AMD-based cloud instances are not covered in your agreement, please contact your cloud provider sales account manager. For further assistance, please contact AMD sales at cloudsales@amd.com.

First Name : Last Name :

E-mail :

Company Name :

Address 1 :

Address 2 :

Location : State/Province :

City : Postal Code :

Phone :

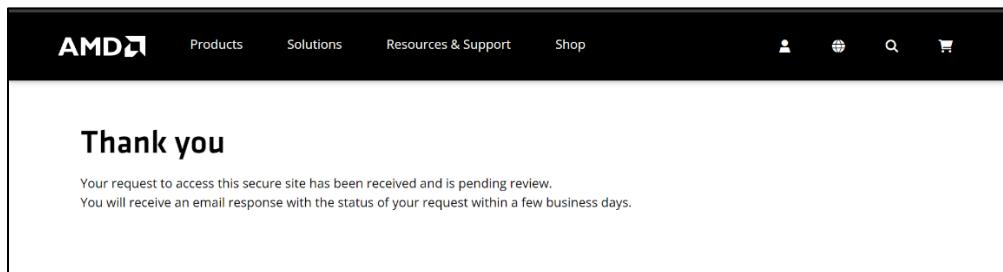
Job Function :

I Agree :

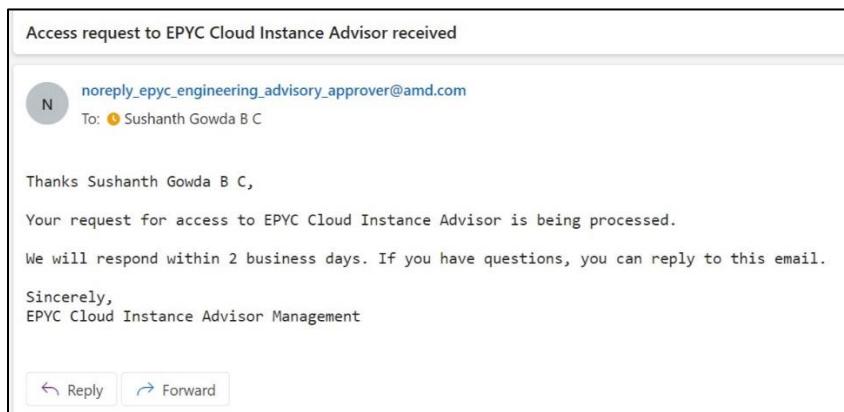
By typing my name in the box above, I agree and am authorized to agree on behalf of the entity listed above, to the terms and conditions, in the Notice of Non-Disclosure Agreement, for which terms and conditions may be reviewed, downloaded and printed from the link provided.

You understand that by pressing "REGISTER NOW" you are providing this information to allow you access to the AMD EPYC Cloud Instance Advisor tool. AMD may also use this information to send you updates regarding the tool. You may opt out from receiving tool updates at any time. You can read about your personal data rights, how AMD handles your personal data, and how you can contact AMD in the privacy policy.

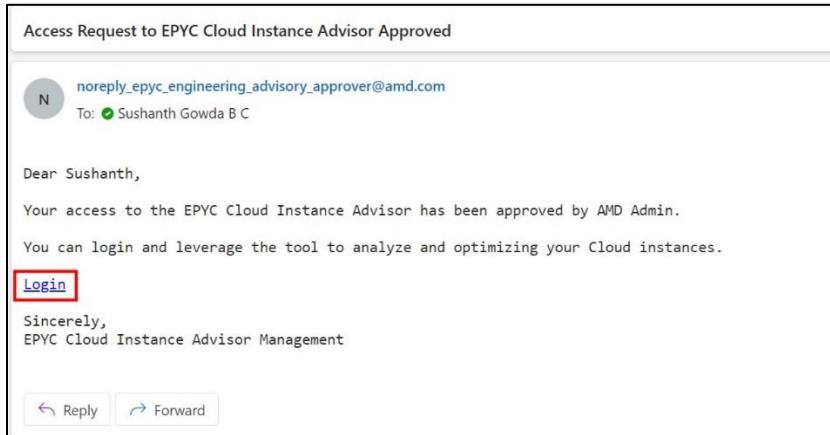
- A Thank you message will appear, confirming that your access request has been received.



- You will receive an email confirming that your access request is being processed.



- Once your request is reviewed and approved by the respective administrator, you will receive another email with a login link



- By clicking the login link, you will be directed to the AMD Cloud Cost Advisor portal, where you can sign in to the application. You can also log in through the AMD EPYC™ Advisory Portal.

Login

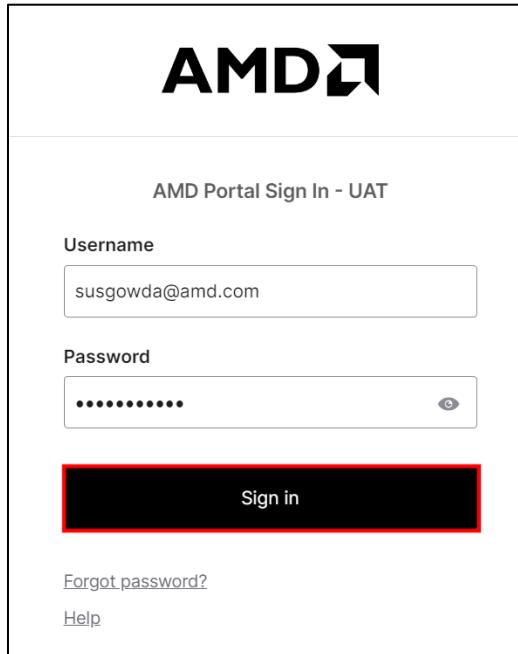
Login through AMD EPYC Advisory Portal

Step 1: Sign In

- Go to AMD EPYC™ Advisory portal (epycadvisory.amd.com).
- Click on “Login” under Cloud Cost Advisor tile.4

Step 2: Input Credentials

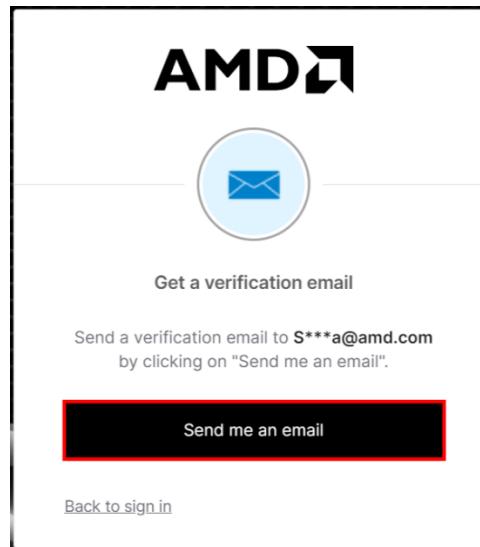
- Enter your email address and password.
- Click **Sign-in**.



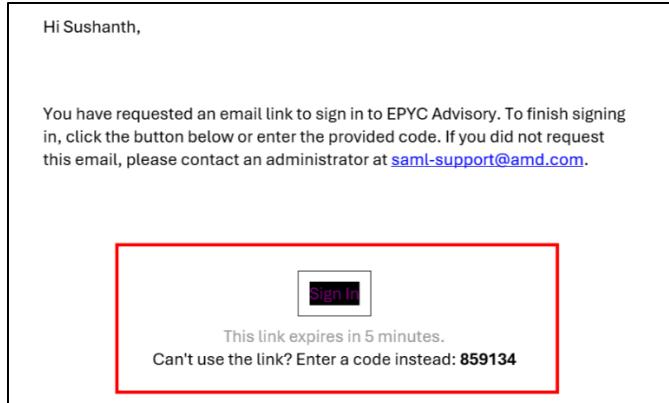
The image shows the AMD Portal Sign In - UAT page. It features the AMD logo at the top. Below it is the text "AMD Portal Sign In - UAT". There are two input fields: "Username" containing "susgowda@amd.com" and "Password" containing a series of dots. A "Sign in" button is centered below the fields, with a red rectangle highlighting it. At the bottom, there are links for "Forgot password?" and "Help".

Step 3: Verify Your Email

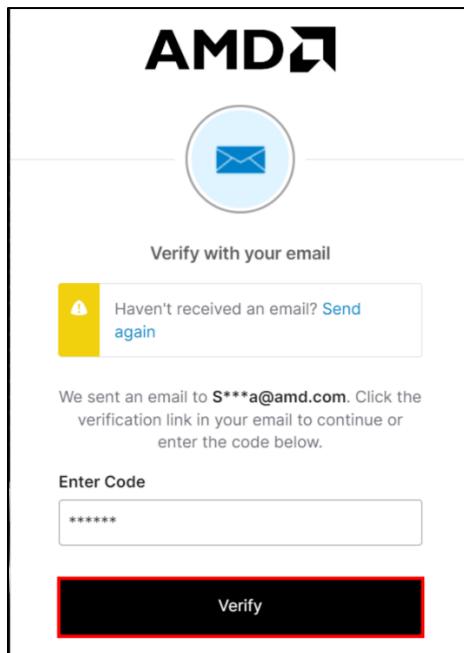
- Click **Send me an email** to receive a verification code.



- Check your email for the one-time verification code.



- On the sign-in page, enter the verification code and click “Verify”.



- You will be logged in to the AMD EPYC™ Cloud Cost Advisor home page.

Accessing AMD Cloud Cost Advisor

- Upon login, you will be directed to the AMD Cloud Cost Advisor homepage.

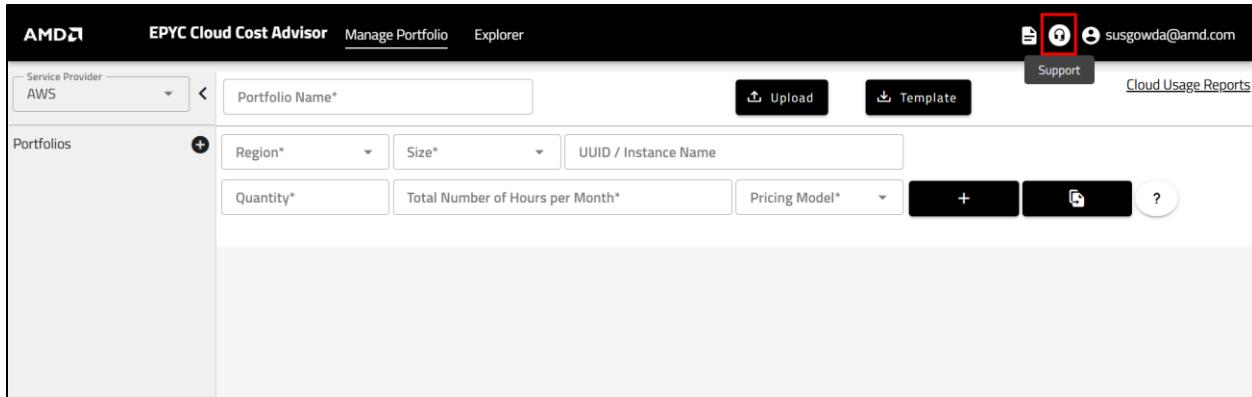
The screenshot shows the AMD Cloud Cost Advisor interface. At the top, there's a header with the AMD logo, the title "EPYC Cloud Cost Advisor", and tabs for "Manage Portfolio" (which is underlined) and "Explorer". On the left, there's a sidebar titled "Portfolios" with a plus sign icon. The main area has several input fields: "Service Provider" dropdown set to "AWS", "Portfolio Name" input field, "Region*", "Size*", "UUID / Instance Name" input field, "Quantity*", "Total Number of Hours per Month*", and "Pricing Model*". Below these are buttons for "Upload", "Template", and "Cloud Usage Reports". There's also a help icon (?) and a refresh icon.

Navigating to Home Page

- Upon accessing the tool, you'll land on the home page featuring tiles for different functionalities:
 - Manage Portfolio**
 - Explorer**
- Release Notes:** Click the "!" view the release notes. The release notes will automatically pop up on your first login, and each time a new version is released thereafter.

This screenshot is identical to the one above it, showing the AMD Cloud Cost Advisor homepage. The difference is that the "Release Notes" button, which contains an exclamation mark icon, is now highlighted with a red box to draw attention to it.

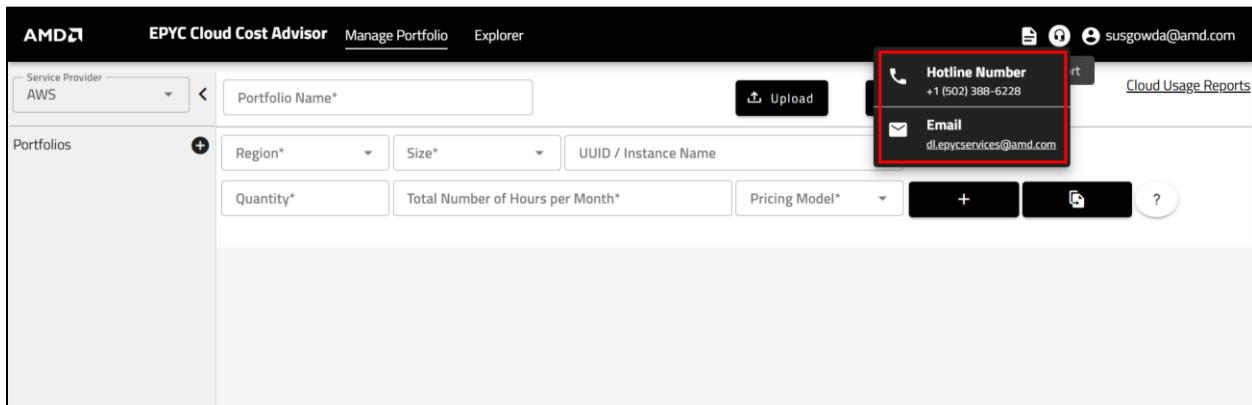
- Support:** Represented by the "?" icon. If you need assistance or have any questions, click on the support icon to reach out for help.



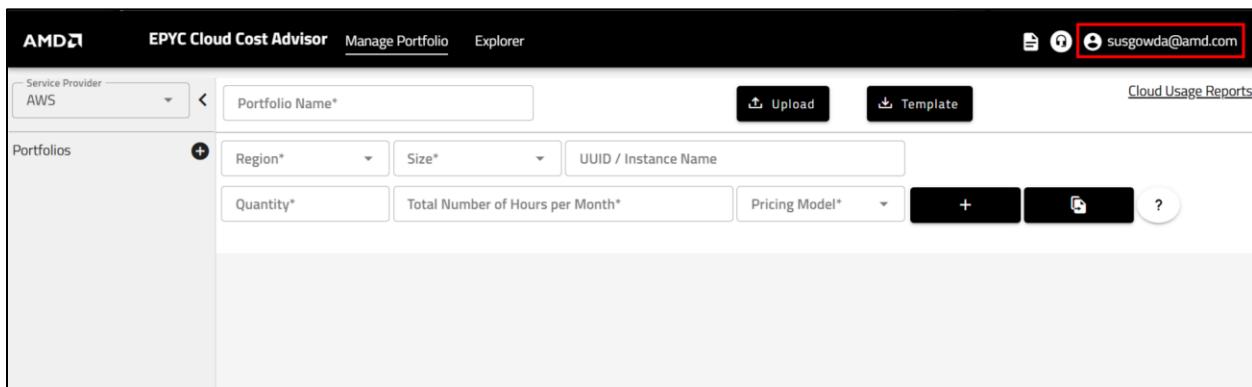
You can contact us through the hotline number or email us with your query:

Hotline number: +1 (502) 388-6228

Email: dl.epycservices@amd.com



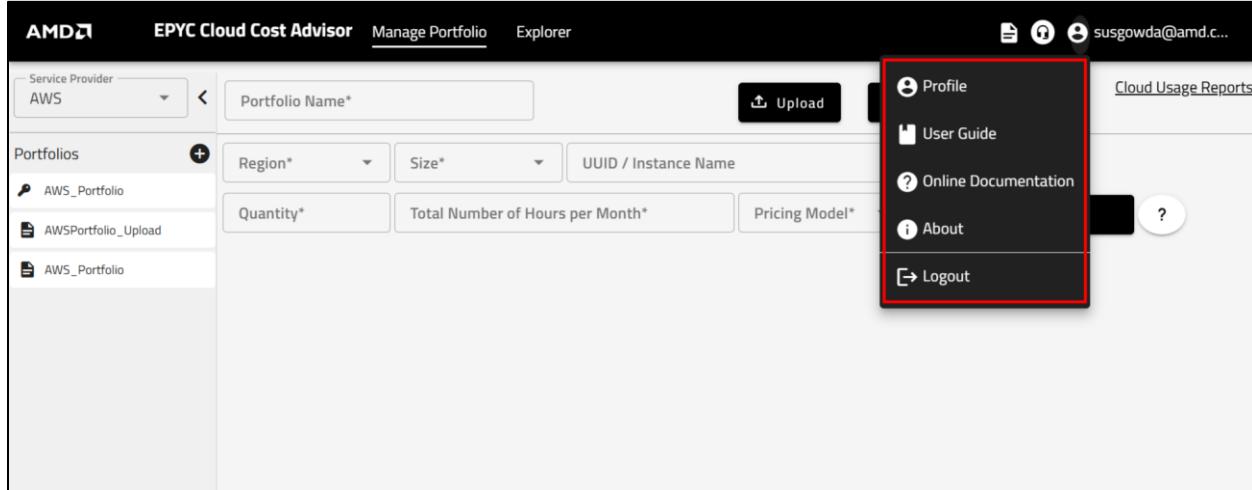
- ▶ **Profile:** Displays the email ID of the logged-in user.



It also provides the following options:

- **Profile:** Click the “” icon to navigate to your profile settings, where you can manage account details and permissions.
- **User Guide:** Click the “” icon to download the user guide for detailed instructions.

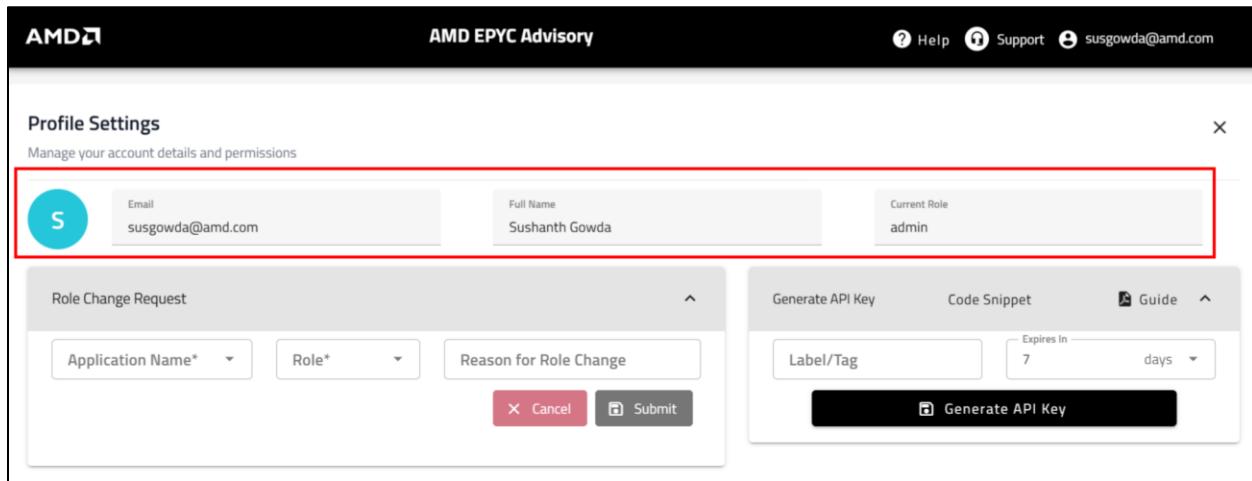
- **Online Documentation:** Represented by the “?” icon, offers on-screen instructions and information about the current page.
- **About:** Click the “ ⓘ” icon to view an overview of the application
- **Logout:** To log out, click the icon and select the "Logout" option.



Profile Settings and Role Change Request

When you click on the Profile option (the "👤" icon), you will be redirected to the Profile Settings page. On this page, you can view the following details:

- **Email:** Your registered email address.
- **Full Name:** Your full name associated with your account.
- **Current Role:** Your current role within the application.



Additionally, if you wish to change your role, you can submit a **Role Change Request** directly from the Profile Settings page.

- On the **Profile Settings** page, locate the **Role Change Request** section.
- **Application Name:** Specify the application (either **EIA** or **CCA**) for which you want to change your role.
- **Role:** Choose the role you wish to request. (By default, the current role will be set to "User").
- **Reason for Role Change:** Enter a brief explanation for why you are requesting a role change.

AMD EPYC Advisory

Profile Settings

Manage your account details and permissions

Role Change Request

Application Name* EPYC Cloud Cost Adv... Role* user Reason for Role Change Requesting user role for testing purpose

Role Description: user for limited access

Cancel Submit

Generate API Key Code Snippet Guide

Label/Tag Expires In 7 days

Generate API Key

- After reviewing your details, click the **Submit** button. Once submitted, an email notification will be sent to the admin for review and action.

AMD EPYC Advisory

Profile Settings

Manage your account details and permissions

Role Change Request

Application Name* EPYC Cloud Cost Adv... Role* user Reason for Role Change Requesting user role for testing purpose

Role Description: user for limited access

Cancel Submit

Generate API Key Code Snippet Guide

Label/Tag Expires In 7 days

Generate API Key

- Your request details will appear in the table. If you wish to cancel the request, click the **"delete (trash)" button**.

The screenshot shows the AMD EPYC Advisory Profile Settings page. At the top, there's a navigation bar with the AMD logo, 'AMD EPYC Advisory', 'Help', 'Support', and an email link. Below the navigation, the 'Profile Settings' section is titled 'Manage your account details and permissions'. It displays basic user information: Email (susgowda@amd.com), Full Name (Sushanth Gowda), and Current Role (admin). A 'Role Change Request' section contains fields for Application Name (CCA), Role (user), and Reason for Role Change (Jun 23, 2025, 12:04 PM). A 'Generate API Key' section allows generating a key with a label ('Label/Tag') and expiration ('Expires In 7 days'). A 'Code Snippet' button is also present.

- You will receive a notification once your role change request is either approved or rejected by admin of your organization.

Generate API Key

The **API Key** is required for authenticating third-party applications or external tools that need to interact with the Cloud Cost Advisor (CCA) APIs. Generating an API key ensures secure and authorized access to data and recommendations.

This functionality is intended for users who plan to automate or integrate cost optimization workflows using the available API endpoints.

This screenshot is identical to the one above, showing the AMD EPYC Advisory Profile Settings page. However, the 'Generate API Key' section is highlighted with a red box. This section includes a 'Label/Tag' input field, an 'Expires In' dropdown set to 7 days, and a prominent 'Generate API Key' button.

To generate an API Key:

- Under the **Generate API Key** section:
 - Label/Tag:** Enter a custom label to help identify your API key (e.g., “test-key” or “automation-script-1”).
 - Expires In:** Select a validity duration for the API key—options typically include 7, 15, or 30 days.

The screenshot shows the AMD EPYC Advisory interface. In the top right corner, there are links for Help, Support, and the user's email (susgowda@amd.com). The main area is titled "Profile Settings" and "Manage your account details and permissions". On the left, there's a circular profile icon with a letter 'S'. To the right, there are three boxes: "Email" (susgowda@amd.com), "Full Name" (Sushanth Gowda), and "Current Role" (admin). Below these are two expandable sections: "Role Change Request" and "Generate API Key". The "Generate API Key" section contains fields for "Label/Tag" (API_KEY_TEST) and "Expires In" (7 days). A red box highlights the "Generate API Key" button.

- Click **Generate API Key** to create a new key.

This screenshot is similar to the previous one, showing the "Generate API Key" section after a key has been generated. The "Label/Tag" field still shows "API_KEY_TEST" and the "Expires In" field shows "7 days". The "Generate API Key" button is now highlighted with a red box, indicating it has been clicked.

- Once generated, your API key will be displayed on the screen along with important security guidelines.

This screenshot shows a modal dialog titled "API Key" with the heading "Important: Secure Handling of Your API Key". It states: "For security reasons, your API key cannot be retrieved or restored once it has been generated. Therefore, it is essential to store it in a secure place and ensure it is not shared with anyone." Below this, it says: "Please follow the guidelines below:" followed by a bulleted list of four items: "Store securely", "Do Not Share", "Handle with Care", and "Lost or Compromised Keys". At the bottom, it says: "Failure to follow these practices may result in security vulnerabilities or service disruptions." A large red box highlights the modal dialog. In the background, the "Generate API Key" button is also highlighted with a red box.

Action Required:

- Copy or download the API key immediately. If you choose download, the API key will be saved as a **.txt file** to your system.
- Store the key in a secure location.
- For security reasons, the key cannot be retrieved again after closing the screen.
- Click **Close** to exit the API key screen.

Code-Snippet:

- After generating your first API key, you will be automatically redirected to the **API Code Snippet** page.
- This page displays ready-to-use sample code for supported APIs - in **CURL** format only.
- You can view and copy the CURL snippet to use in API testing tools.

The screenshot shows the AMD EPYC Advisory interface. At the top, there's a navigation bar with the AMD logo, the title "AMD EPYC Advisory", and user information like "Help", "Support", and an email address. Below the header, a dark-themed card displays the "InstanceSummary API". It includes a brief description: "Retrieve all instances available in regions specific to a cloud provider (e.g., AWS). This endpoint helps users view which instance types are available per region for a specified cloud provider." A "Request" section shows a CURL command to fetch data from the API endpoint. A "Response" section shows a JSON object indicating success. Both sections have "COPY" buttons.

- Once done, click **Close** to return to the Profile Settings page
- Your generated API keys will be listed in a table showing:
 - Label/Tag
 - Creation Date
 - Expiration Date

The screenshot shows the AMD EPYC Advisory interface. In the top right corner, there are links for Help, Support, and email (susgowda@amd.com). The main area is titled "Profile Settings" with the sub-section "Manage your account details and permissions". On the left, there's a "Role Change Request" form with fields for Application Name*, Role*, and Reason for Role Change, along with Cancel and Submit buttons. On the right, there's a "Generate API Key" section with a "Label/Tag" field set to "API_KEY_TEST", an "Expires In" dropdown set to 7 days, and a "Re-Generate API Key" button. Below this is a table for managing API keys:

Tag	Created Date	Expiry Date	Actions
API_KEY_TEST	Jun 23rd, 2025, 12:07 PM	Jun 30th, 2025, 12:07 PM	

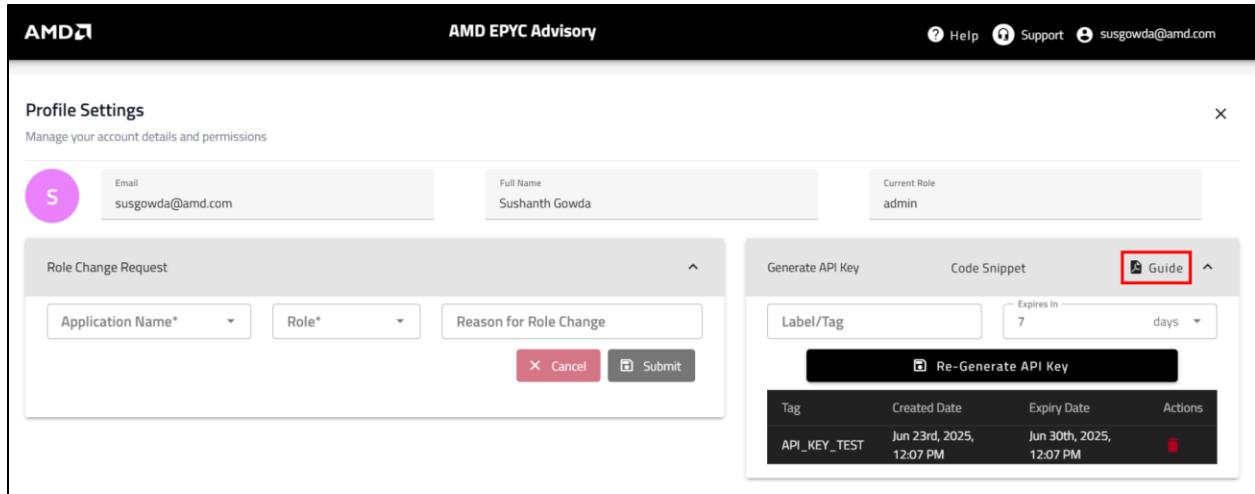
- An action column provides a delete icon (>Delete).
- To revoke an API key:
 1. Click the delete icon next to the key.
 2. Confirm the deletion in the pop-up prompt.

This screenshot is identical to the one above, showing the AMD EPYC Advisory interface with the "Profile Settings" page open. The "Generate API Key" table shows the same API key entry. A red box highlights the delete icon in the "Actions" column of the table row for the API key.

- To view the code snippet, click on "Code Snippet" from the table.

This screenshot shows the same AMD EPYC Advisory interface as the previous ones, but with a red box highlighting the "Code Snippet" button in the header of the "Generate API Key" table. The table below it contains the same API key information.

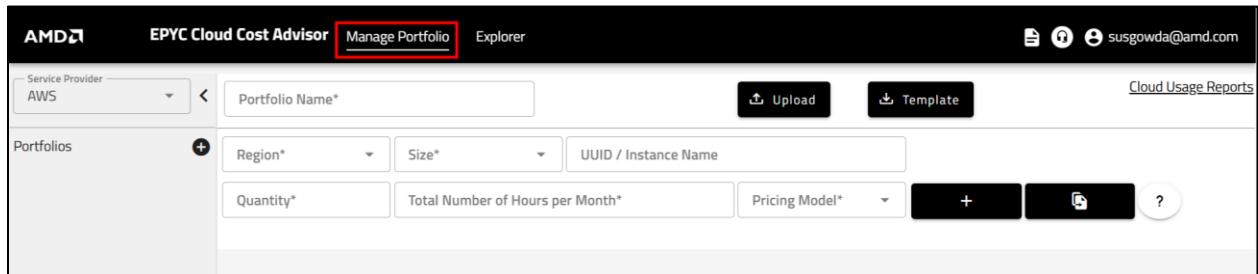
Note: Detailed steps for generating and using the API key are covered in the **EPYC Cloud Cost Advisor (CCA) Third-Party API User Guide**. Click “ Guide” button to download the document.



The screenshot shows the AMD EPYC Advisory interface under 'Profile Settings'. It includes fields for Email (susgowda@amd.com), Full Name (Sushanth Gowda), and Current Role (admin). A 'Role Change Request' form is visible. On the right, there's a 'Generate API Key' section with a 'Label/Tag' field ('API_KEY_TEST'), an 'Expires In' dropdown set to 7 days, and a 'Re-Generate API Key' button. A red box highlights the 'Guide' button located above the 'Re-Generate API Key' button.

Manage Portfolio

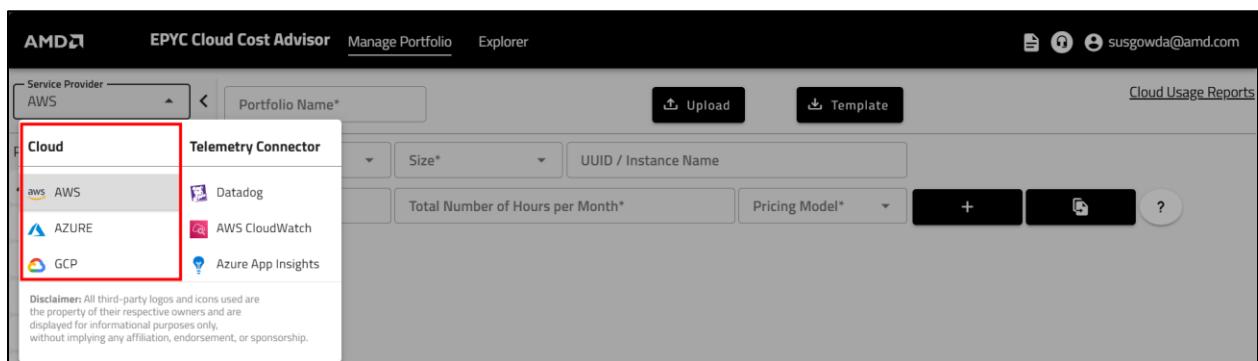
- In the Manage Portfolio section, users can add details of their existing cloud accounts, including instance region, size, quantity, monthly utilization (in hours), and pricing model (on-demand, reserved, or spot).



The screenshot shows the 'Manage Portfolio' page of the EPYC Cloud Cost Advisor. It features a 'Service Provider' dropdown set to AWS, a 'Portfolio Name' input field, and several configuration fields for Region, Size, UUID / Instance Name, Quantity, Total Number of Hours per Month, and Pricing Model. It includes 'Upload' and 'Template' buttons, and a 'Cloud Usage Reports' link. A red box highlights the 'Manage Portfolio' tab at the top of the page.

Adding Instances Individually

- Select your Cloud Service Provider (**AWS**, **Azure**, or **GCP**) from the Service Provider dropdown.



The screenshot shows the 'Manage Portfolio' page with the 'Cloud' dropdown expanded, listing AWS, Azure, and GCP. To the right, there are fields for Telemetry Connector (Datadog, AWS CloudWatch, Azure App Insights), Size, UUID / Instance Name, Total Number of Hours per Month, and Pricing Model. A disclaimer at the bottom states: "Disclaimer: All third-party logos and icons used are the property of their respective owners and are displayed for informational purposes only, without implying any affiliation, endorsement, or sponsorship." A red box highlights the 'Cloud' dropdown menu.

2. Enter a name for your portfolio.

3. Update the details below:

- a. **Region:** The geographic location where your cloud resources, such as virtual machines or instances, are hosted.

- In **AWS**, examples of regions include us-east-1 (N. Virginia), us-west-2 (Oregon), etc.
- In **Azure**, examples of regions include East US, West Europe, Southeast Asia, etc.
- In **GCP**, examples of regions include us-central1 (Iowa), europe-west1 (Belgium), asia-southeast1 (Singapore), etc.

Note: Refer to the appendix for the list of supported regions and instances for each cloud provider. This list may vary based on updates or changes from cloud service providers.

- b. **Size:** The specific configuration of your virtual machine or instance, including its CPU, memory, storage, and network capabilities.

- In **AWS**, size refers to EC2 instance types like t2.micro, m5.large, m7i.large etc.
- In **Azure**, size refers to VM types such as Standard_B1s, Standard_D2s_v3, Standard_E2s_v3 etc.
- In **GCP**, size refers to machine types such as e2-micro, n1-standard-4, n2-highmem-8, etc.

- c. **UUID / Instance Name:** A unique identifier or name assigned to an instance.

- d. **Quantity:** The number of instances for which you want to receive recommendations. For example, if you need five instances of a specific size, the Quantity would be five (5).

- e. **Total Number of Hours per Month:** The total number of hours that all the instances (defined by the quantity) will be running during the month.

- To calculate the total hours, multiply the **Quantity** of instances by 730.

Note: 730 is the total number of hours in a month.

- For example, if you have **5 instances**, the Total Number of Hours per Month would be: **Total Hours = 5 instances * 730 hours = 3650 hours/month.**
- f. **Pricing Model:** It defines how the cloud instances are billed.
- Note: ondemand, reserved, and spot pricing models are supported.*
- ondemand:** You pay for instances by hour or minute, with no long-term commitment.
 - reserved:** You commit to using instances for a longer period (typically 1 or 3 years) in exchange for a lower hourly rate.
 - Spot:** You use spare compute capacity at significantly reduced prices, but instances can be terminated at any time if the capacity is no longer available.

Note: Cloud service providers (CSPs) offer spot instances at discounted rates, but pricing is dynamic and depends on current demand and capacity. Availability is not guaranteed, and instances can be reclaimed by the CSP at any time for workloads that can handle interruptions.

The screenshot shows the 'EPYC Cloud Cost Advisor' interface. In the top navigation bar, 'Manage Portfolio' is selected. The main area is titled 'AWS_Portfolio'. It contains fields for 'Region' (us-east-1), 'Size' (a1.4xlarge), 'UUID / Instance Name' (73e39b05-78af-4d9d-a904-e8021f61f561), 'Quantity' (1), and 'Total Number of Hours per Month' (730). To the right of these fields is a 'Pricing Model' dropdown menu with three options: 'ondemand', 'reserved', and 'spot'. The 'reserved' option is currently selected. A red box highlights this dropdown menu.

- Click on **Add Instance**, indicated by “+” icon. For additional instances, repeat Step 3 and click + **Add Instance** again.

The screenshot shows the same 'EPYC Cloud Cost Advisor' interface as the previous one, but now the 'Add Instance' button (the '+' icon) is highlighted with a red box. The rest of the interface remains the same, showing the 'AWS_Portfolio' configuration with the 'reserved' pricing model selected.

- Once the instances are added, they will appear in the table. You can update the information by **double-clicking** on the field you wish to change.

The screenshot shows the EPYC Cloud Cost Advisor web application. At the top, there are tabs for 'Manage Portfolio' (which is selected) and 'Explorer'. Below the tabs, there's a header with 'Service Provider: AWS', a 'Portfolio Name' input field containing 'AWS_Portfolio', and buttons for 'Upload' and 'Template'. On the right, there's a link to 'Cloud Usage Reports' and the user email 'susgowda@amd.com'. The main area is titled 'Portfolios' and contains a table with one row. The table columns are 'UUID / Instance Name', 'Cloud', 'Region', 'Size', 'Quantity', 'Total Number of Hours per Month', and 'Pricing Model'. The row data is: '73e39b05-78af-4d9d-a904-e8021f61f561', 'AWS', 'us-east-1', 'a1.4xlarge', '1', '730', 'reserved'. Below the table is a note: 'Note: Double-click to update input values.' and a note about file upload: 'Note: Please upload file with maximum of 20000 records'. To the right of the table, there are buttons for 'Delete', 'Cancel', 'Save', and 'Cost Advice'. A red box highlights the dropdown menu for 'Size' which lists various instance types.

6. Once you've made the necessary edits, click anywhere on the table to apply the changes. The table will update with the new information.
7. Click on "**List of AWS Regions**" below the instance list table to view the supported AWS regions and instances.

This screenshot shows the same interface as the previous one, but the instance table has been updated. The 'Size' column for the single row now displays 'a1.4xlarge'. The rest of the table and the surrounding interface elements remain the same, including the dropdown menu for 'Size' which is still visible. A red box highlights the 'List of AWS Regions' link located at the bottom right of the table area.

8. Click "**Save**" to save the portfolio with the instance details.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. At the top, there are dropdowns for 'Service Provider' (set to AWS) and 'Portfolio Name' (set to 'AWS_Portfolio'). Below these are filters for 'Region*', 'Size*', and 'UUID / Instance Name'. A table displays one instance entry:

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
73e39b05-78af-4d9d-a904-e8021f61f561	AWS	us-east-1	a1.4xlarge	1	730	reserved

At the bottom, there are buttons for 'Delete' (highlighted with a red box), 'Save' (highlighted with a red box), and 'Cost Advice'.

- After saving, you can view the added portfolio in the portfolios list on the left side of the page.

The screenshot shows the 'Manage Portfolio' section again. The left sidebar lists portfolios, with 'AWS_Portfolio' highlighted by a red box. The main area shows the same portfolio entry as before:

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
73e39b05-78af-4d9d-a904-e8021f61f561	AWS	us-east-1	a1.4xlarge	1	730	reserved

Uploading Instances in Bulk

- To upload instances in bulk, use the upload option.
- Click on the “Download Template” button to download the Excel template.

The screenshot shows the 'Manage Portfolio' section. The 'Template' button (highlighted with a red box) is located in the top right of the interface.

- Fill in the template with instance details such as:

- a. **Cloud:** Specify the cloud service provider for instance, such as AWS, Azure, or GCP.
- b. **Region:** The geographic location where your cloud resources, such as virtual machines or instances, are hosted.
 - In **AWS**, examples of regions include us-east-1 (N. Virginia), us-west-2 (Oregon), etc.
 - In **Azure**, examples of regions include East US, West Europe, Southeast Asia, etc.
 - In **GCP**, examples of regions include us-central1 (Iowa), europe-west1 (Belgium), asia-southeast1 (Singapore), etc.

Note: Refer to the appendix for the list of supported regions and instances for each cloud provider. This list may vary based on updates or changes from cloud service providers.

- c. **Size:** The specific configuration of your virtual machine or instance, including its CPU, memory, storage, and network capabilities.
 - In **AWS**, size refers to EC2 instance types like t2.micro, m5.large, etc.
 - In **Azure**, size refers to VM types such as Standard_B1s, Standard_D2s_v3, etc.
 - In **GCP**, size refers to machine types such as e2-micro, n1-standard-4, n2-highmem-8, etc.
- d. **Quantity:** The number of instances you intend to deploy. For example, if you need five instances of a specific size, the Quantity would be five (5).
- e. **Total Number of Hours per Month:** The total number of hours that all the instances (defined by the quantity) will be running during the month.
 - To calculate the total hours, multiply the **Quantity** by 730.
 - For example, if you have **5 instances**, the **Total Number of Hours per Month** would be: **Total Hours = 5 instances * 730 hours = 3650 hours/month**.
- f. **Pricing Model:** It defines how the cloud instances are billed. Pricing models include: ondemand, reserved, and spot.

A	B	C	D	E	F	G	
1	UUID	Cloud	Region	Size	Quantity	Total number of hours per month	Pricing Model
2	fe0f3f23-1 AWS		ap-south-1	m7i.8xlarge	8		1440 ondemand
3	fe0f3f23-1 AWS		us-east-1	m7i.4xlarge	10		1660 reserved
4							
5							
6							
7							
8							

4. Enter a name for your portfolio.

The screenshot shows the EPYC Cloud Cost Advisor web application. At the top, there's a navigation bar with the AMD logo, the title 'EPYC Cloud Cost Advisor', and tabs for 'Manage Portfolio' and 'Explorer'. On the right side of the header, there are user icons and the email 'susgowda@amd.com'. The main area has a form for creating a portfolio. The 'Service Provider' dropdown is set to 'AWS'. The 'Portfolio Name' input field is highlighted with a red box and contains the text 'AWSPortfolio_Upload'. To the right of the name are two buttons: 'Upload' (highlighted with a red box) and 'Template'. Below the portfolio name, there's a section for 'Portfolios' with a single entry 'AWS_Portfolio'. Further down, there are fields for 'Region*', 'Size*', 'UUID / Instance Name', 'Quantity*', 'Total Number of Hours per Month*', and 'Pricing Model*'. There are also standard UI elements like a '+' button, a file upload icon, and a help (?) icon.

- Click on “Upload” button.

This screenshot is very similar to the previous one, showing the 'Manage Portfolio' tab of the EPYC Cloud Cost Advisor. The 'Portfolio Name' field is still 'AWSPortfolio_Upload' and the 'Upload' button is highlighted with a red box. The rest of the interface, including the portfolios list and other input fields, appears identical.

- Browse for the updated template file and upload it. Users can upload only **XLSX** format files.

Note: Upload a file with a maximum of 20,000 records.

- If any instance upload fails, an error message will appear on the screen with specific comments for failed instances.

This screenshot shows the results of the upload. The 'Manage Portfolio' tab is still active. The 'Portfolio Name' is 'AWSPortfolio_Upload'. The 'Upload' button is now inactive. The table below lists five instances. The third instance has an error message: 'db.t3.medium is invalid' and 'Instance type is required'. The table has columns for 'UUID / Instance Name', 'Cloud', 'Region', 'Size', 'Quantity', 'Total Number of Hours per Month', and 'Pricing Model'. At the bottom, there are buttons for 'Delete', 'Cancel', 'Save', and 'Cost Advice'. A note at the bottom says 'Note: Please upload file with maximum of 20000 records'.

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaefb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	db.t3.medium	1	730	ondemand
73e39b05-78af-4d9d-a904-e8021f61f561	AWS	ap-south-1	db.t3.medium is invalid Instance type is required	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	c5.12xlarge	1	730	reserved
00dbdde6-56bf-4f62-8bd7-de71f6dfbc1f	AWS	eu-central-1	a1.2xlarge	1	730	spot

8. You can update the information by **double-clicking** on the field.

Note:

- If the cloud is empty, invalid or unsupported, it will be converted to the default CSP selected.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. A dropdown menu is open over a table row, specifically for the 'Size' column of the first row. The dropdown contains several options: db.t3.medium (selected), a1.2xlarge, a1.4xlarge, a1.large, a1.medium, a1.metal, and a1.xlarge. The table itself has four rows of data. At the bottom left, there's a note: 'Note: Please upload file with maximum of 20000 records'. At the bottom right, there are buttons for 'Cancel', 'Save', and '\$ Cost Advice'.

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaefcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	db.t3.medium	1	730	ondemand
73e39b05-78af-4d9d-a904-e8021f61f561	AWS	ap-south-1	a1.2xlarge	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	a1.4xlarge	1	730	reserved
00dbdde6-56bf-4f62-8bd7-de71f6dfbc1f	AWS	eu-central-1	a1.large	1	730	spot

9. Once you've made the necessary edits, click anywhere on the table to apply the changes. The table will update with the new information.

Find & Replace:

You can also update or modify field values using the Find & Replace option.

1. Click on **Find & Replace**.

The screenshot shows the same 'Manage Portfolio' interface as before, but with a different focus. A red box highlights the 'Find & Replace' button in the top right corner of the table header. The table data is identical to the previous screenshot. A note at the bottom left says 'Note: Please upload file with maximum of 20000 records'. At the bottom right, there are buttons for 'Cancel', 'Save', and '\$ Cost Advice'.

2. Find and replace the values as needed:

- Instance Type:** From the “From” dropdown, select the instance type that you wish to change, then choose the desired instance type from the “To” dropdown.
- Region:** From the “From” dropdown, select the region that you wish to change, then choose the desired region from the “To” dropdown.
- Pricing Model:** From the “From” dropdown, select the pricing model that you wish to change, then choose the desired pricing model from the “To” dropdown.

The screenshot shows the EPYC Cloud Cost Advisor web application. In the center, a modal window titled "Find and Replace" is open. It has three main sections: "Instance Type", "Region", and "Pricing Model". Under "Instance Type", the "From" dropdown is set to "db.t3.me..." and the "To" dropdown is set to "a1.4xlarge". A red box highlights the "To" dropdown. The "Region" and "Pricing Model" sections also have "From" and "To" dropdowns. Below the modal, the main dashboard shows a table with four rows of AWS portfolio data. At the bottom of the screen, there are "Cancel", "Save", and "Cost Advice" buttons.

- Click **Replace All** to replace all selected instance types, regions and pricing model with the chosen values.

This screenshot is identical to the previous one, showing the "Find and Replace" dialog. However, the "Replace all" button at the bottom right of the dialog is now highlighted with a red box. The rest of the interface and data table remain the same.

- If needed, repeat the above step for other instance types, regions and pricing models.

Delete Error Records:

- To delete all the error records at once, click on the "Delete Error Records" button.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. A red box highlights the 'Delete Error Records' button in the top right corner of the main content area. Below it, a note says 'Note: Double-click to update input values. Errors: 2 Fix the errors → Save portfolio → Obtain cost advice.' The table below lists five AWS instances with their details: Region, Size, Quantity, Total Number of Hours per Month, and Pricing Model. The second instance has a red error message 'Instance type is required' next to its Region field.

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
73e39b05-78af-4d9d-a904-e8021f61f561	AWS	ap-south-1	Instance type is required	1	730	ondemand
91aafcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	a1.4xlarge	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	c5.12xlarge	1	730	reserved
00dbde6-56bf-4f62-8bd7-de71f6dfbc1f	AWS	eu-central-1	a1.2xlarge	1	730	spot

- A confirmation popup will appear asking you to confirm the deletion.
- To confirm, click the "Delete" button in the popup. This will remove all the error records from your list.

The screenshot shows the same interface after a confirmation dialog has been triggered. A red box highlights the 'Delete' button in the center of the dialog box. The dialog asks 'Are you sure you want to delete?' with 'Cancel' and 'Delete' buttons. The background table remains the same as in the previous screenshot.

- Click "Save" to apply changes.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. A portfolio named 'AWSPortfolio_Upload' has been created. The table lists three instances with the following details:

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaefcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	a1.4xlarge	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	c5.12xlarge	1	730	reserved
00dbdde6-56bf-4f62-8d7-de71f6dfbc1f	AWS	eu-central-1	a1.2xlarge	1	730	spot

Note: Double-click to update input values.

Buttons:

- Items per page: 10
- 1-3 of 3
- List of AWS Regions
- Delete
- Cancel
- Save
- Cost Advice

Text:

Note: Please upload file with maximum of 20000 records

5. After saving, you can view the added portfolio in the portfolios list on the left side of the page.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. The 'Portfolios' list on the left shows the 'AWSPortfolio_Upload' portfolio selected, indicated by a red box around its entry. Other portfolios listed are 'AWS_Portfolio' and 'ToolDemo'.

Buttons:

- Upload
- Template
- Cloud Usage Reports

User Actions

Remove Unsaved Instances

- To remove the unsaved instances from the list and reset the page, click “Cancel”.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. The 'Portfolios' list on the left shows the 'AWSPortfolio_Upload' portfolio selected. The table lists several instances, including ones from previous steps like 'AWS_Portfolio' and 'ToolDemo'. Some entries have been deleted, as indicated by the 'Delete' button in the table row.

Buttons:

- Upload
- Template
- Cloud Usage Reports
- Cancel
- Delete Portfolio
- Save
- Cost Advice

Text:

Note: Please upload file with maximum of 20000 records

- A confirmation popup will appear. Click "Yes" to proceed with the removal.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. A confirmation dialog box titled 'Unsaved Changes' is displayed, asking if the user wants to discard changes. The dialog contains three items listed in a table with columns: 'UUID / Instance Name', 'Cloud', 'Region', 'Size', 'Quantity', 'Total Number of Hours per Month', and 'Pricing Model'. The items are: 1) e92f76fa-f795-4cf2-9f36-aaf9b55 (AWS, eu-west-1, a1.4xlarge, 1, 730, reserved), 2) 91aaafc5-ffb4-4f5b-81f7-7759bd150a08 (AWS, eu-west-1, a1.4xlarge, 1, 730, ondemand), and 3) 2f2284b1-c1c5-4922-b164-f301798558c0 (AWS, sa-east-1, c5.12xlarge, 1, 730, reserved). The 'Yes' button is highlighted with a red border.

Delete Portfolio

- If you wish to delete the portfolio, select the portfolio and click on “Delete Portfolio”.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. A portfolio named 'AWSPortfolio_Upload' is selected. At the bottom of the page, there is a row of buttons: 'Cancel', 'Delete Portfolio' (which is highlighted with a red border), 'Save', and '\$ Cost Advice'.

- A confirmation popup will appear. Click "Delete" to proceed.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. A confirmation dialog box titled 'Confirm Delete Portfolio' is displayed, asking if the user is sure they want to delete the portfolio. The dialog contains the same table of items as the previous screenshot. The 'Delete' button is highlighted with a red border.

Delete Instances

- Select the records and click the “**delete (X)**” button at the bottom of the table to remove them from the list.

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaefcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	a1.4xlarge	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	c5.12xlarge	1	730	reserved
00dbdde6-56bf-4f62-8bd7-de71f6dfbc1f	AWS	eu-central-1	a1.2xlarge	1	730	spot

Delete (2)

- A confirmation popup will appear. Click "Delete" to proceed.

Are you sure you want to delete 2 instances?

Delete

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaefcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	a1.4xlarge	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	c5.12xlarge	1	730	reserved

Add Portfolio

- Click the “+” in the portfolios section to reset the page and create a new portfolio.

Add Portfolio

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaefcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	a1.4xlarge	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	c5.12xlarge	1	730	reserved

Adding Accounts with Credentials

1. Navigate to "Cloud Usage Reports".

The screenshot shows the main dashboard of the EPYC Cloud Cost Advisor. At the top right, there is a user profile icon and the email address 'susgowda@amd.com'. Below the header, there are sections for 'Portfolios' and input fields for 'Region*', 'Size*', 'UUID / Instance Name', 'Quantity*', 'Total Number of Hours per Month*', and 'Pricing Model*'. At the bottom right of the dashboard, there is a button labeled 'Cloud Usage Reports' which is highlighted with a red box.

2. Fill in the following details:

a) AWS Cloud:

- i) **Portfolio Name:** Enter the name for this portfolio.
- ii) **Access ID and Secret Access Key:** Provide the credentials required to connect to your cloud account.
- iii) **Region:** Select the region where your cloud resources are located.

The screenshot shows the 'Add Portfolio' dialog for AWS. It includes fields for 'Portfolio Name*' (set to 'AWS_Portfolio') and 'Secrets' (which include 'Access ID*' and 'Access Secret*' both containing placeholder dots, and a 'Region' dropdown set to 'us-east-1'). The 'Secrets' section is highlighted with a red box.

b) Azure Cloud:

- i) **Portfolio Name:** Enter the name for this portfolio.
- ii) **Client ID and Client secret:** Provide the credentials required to connect to your cloud account.
- iii) **Subscription ID:** Enter the Subscription ID associated with your Azure account.
- iv) **Tenant ID:** Enter the Tenant ID linked to your Azure account.
- v) **Region:** Select the region where your cloud resources are located.

AMD EPYC Cloud Cost Advisor Manage Portfolio Explorer

Service Provider: AZURE

Add Portfolio

Portfolios +

Portfolio Name*: Azure_Portfolio

Secrets

Client ID*:
Client Secret*:
Subscription ID*: abcdef-01-2345-6780abcdefgfd

Tenant ID*: abcdef-01-2345-6780abcdefgfd
Region: australiasoutheast

c) GCP:

- i) **Portfolio Name:** Enter the name for this portfolio.
- ii) **Client ID and Client Email:** Provide the credentials required to connect to your cloud account.
- iii) **Project ID:** Enter the Project ID associated with your GCP account.
- iv) **Private Key:** Enter the Private key linked to your GCP account.
- v) **Region:** Select the region where your cloud resources are located.

AMD EPYC Cloud Cost Advisor Manage Portfolio Explorer

Service Provider: GCP

Add Portfolio

Portfolios +

Portfolio Name*: GCP_Portfolio

Secrets

Client ID*:
Client Email*:
Project ID*:
Region: us-east1

Private key*: -----BEGIN PRIVATE KEY-----
[REDACTED]

3. Click "**Test**" to verify the connection to the provided cloud portfolio account.

The screenshot shows the 'Add Portfolio' interface for AWS. It includes fields for 'Portfolio Name' (AWS_Portfolio), 'Access ID*', 'Access Secret*', and 'Region' (us-east-1). A note at the bottom states: 'Note: On click of SAVE button, you are authorizing us to fetch all the instances available in the region to us'. The 'Test' button is highlighted with a red box.

4. A "Connection successful" message will be displayed upon successful verification.

The screenshot shows the same 'Add Portfolio' interface as above, but with a green success message box at the bottom containing the text 'AWS Connection successful'. The 'CLOSE' button is visible next to it. The 'Test' button is also highlighted with a red box.

5. Click "Cancel" to cancel the operation and return to the main page.

Service Provider: AWS

Portfolios: AWS_Portfolio

Secrets:

- Access ID*
- Access Secret*
- Region: us-east-1

Note: On click of SAVE button, you are authorizing us to fetch all the instances available in the region to us.

Buttons: Reset, Test, Cancel (highlighted), Save

- Click "**Reset**" to clear the form and start over.

Service Provider: AWS

Portfolios: AWS_Portfolio

Secrets:

- Access ID*
- Access Secret*
- Region: us-east-1

Note: On click of SAVE button, you are authorizing us to fetch all the instances available in the region to us.

Buttons: Reset (highlighted), Test, Cancel, Save

- Click "**Save**" to proceed with adding the portfolio account.

Note: On click of SAVE button, you are authorizing us to fetch all the instances available in the region to us

Save

- After saving, you can view the added portfolio in the portfolios list on the left side of the page.

List of Instances						
	UUID / Instance Name	Region	Size	Quantity	No. of Hours	Pricing Model
	cloudautomation-terraform-srv	us-east-1	m6a.2xlarge	1	730	ondemand
	test-m5d_4xlarge_recom	us-east-1	m5d.4xlarge	1	730	ondemand
	lt-07318bc07f693b8c3	us-east-1	c7a.large	1	730	ondemand
	wp - prod (workloadprofiler-prod.amd.com)	us-east-1	c7a.large	1	730	ondemand
	eia - prod (eia-prod.amd.com)	us-east-1	c6a.xlarge	1	730	ondemand
	test-inventory-srv-22ndAug	us-east-1	t3.large	1	730	ondemand
	large_testing	us-east-1	r6i.large	1	730	ondemand
	carbon_power_data	us-east-1	m7a.xlarge	1	730	ondemand

- Delete: If you wish to delete the portfolio, select the portfolio and click on "Delete Account".

List of Instances						
	UUID / Instance Name	Region	Size	Quantity	No. of Hours	Pricing Model
	cloudautomation-terraform-srv	us-east-1	m6a.2xlarge	1	730	ondemand
	test-m5d_4xlarge_recom	us-east-1	m5d.4xlarge	1	730	ondemand
	lt-07318bc07f693b8c3	us-east-1	c7a.large	1	730	ondemand
	wp - prod (workloadprofiler-prod.amd.com)	us-east-1	c7a.large	1	730	ondemand
	eia - prod (eia-prod.amd.com)	us-east-1	c6a.xlarge	1	730	ondemand
	test-inventory-srv-22ndAug	us-east-1	t3.large	1	730	ondemand
	large_testing	us-east-1	r6i.large	1	730	ondemand
	carbon_power_data	us-east-1	m7a.xlarge	1	730	ondemand
	old-cca - prod (cca-prod.amd.com)	us-east-1	m7a.xlarge	1	730	ondemand
	cca_log	us-east-1	c6a.xlarge	1	730	ondemand

Items per page: 10 | 1-10 of 19 | < < > > | List of AWS Regions →

Delete Account

10. A confirmation popup will appear. Click "**Delete**" to proceed.

The screenshot shows the EPYC Cloud Cost Advisor interface. On the left, there's a sidebar with a tree view of portfolios, one of which is selected: "AWSTEST". The main area displays a table of instances with columns: Region, Size, Quantity, No. of Hours, and Pricing Model. An instance named "cloudautomation-terraform-srv" is highlighted. A modal dialog box titled "Confirm Delete Portfolio" is overlaid on the table, asking "Are you sure you want to delete this Portfolio?". The "Delete" button in the dialog is highlighted with a red box.

11. **Refresh:** Click "**Refresh**" to update the displayed information and fetch any new data from the cloud account.

The screenshot shows the EPYC Cloud Cost Advisor interface after a refresh. The sidebar still shows the "AWSTEST" portfolio selected. The main area now displays a table of instances with a header row: "Created By : susgowda". The same instance "cloudautomation-terraform-srv" is still highlighted. At the bottom right of the interface, there are several buttons: "Cancel", "Delete Account", "Refresh" (which is highlighted with a red box), and "Cost Advise".

Telemetry Connector

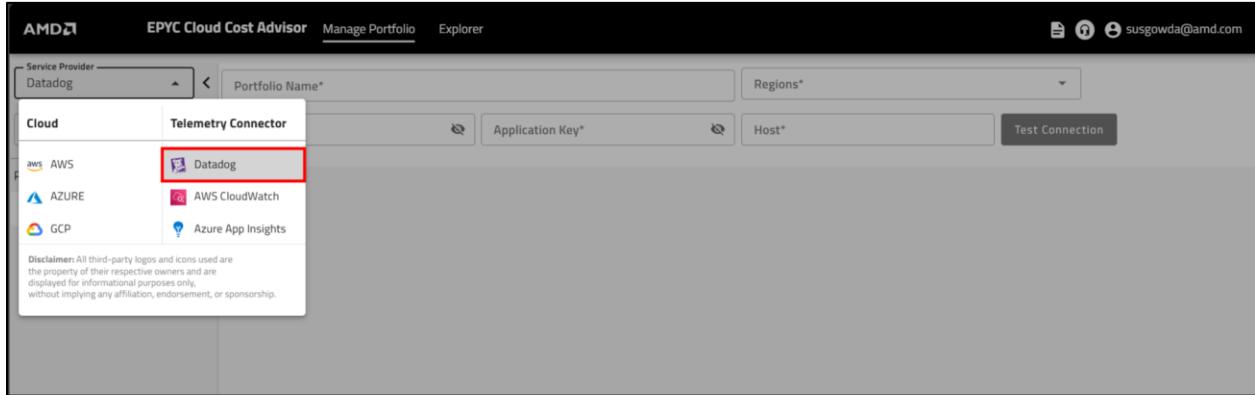
The **Telemetry Connector** option allows you to link your monitoring service - such as **Datadog**, **AWS CloudWatch**, and **Azure App Insights** - to automatically discover and add instances being monitored through telemetry data.

Add Instances via Datadog

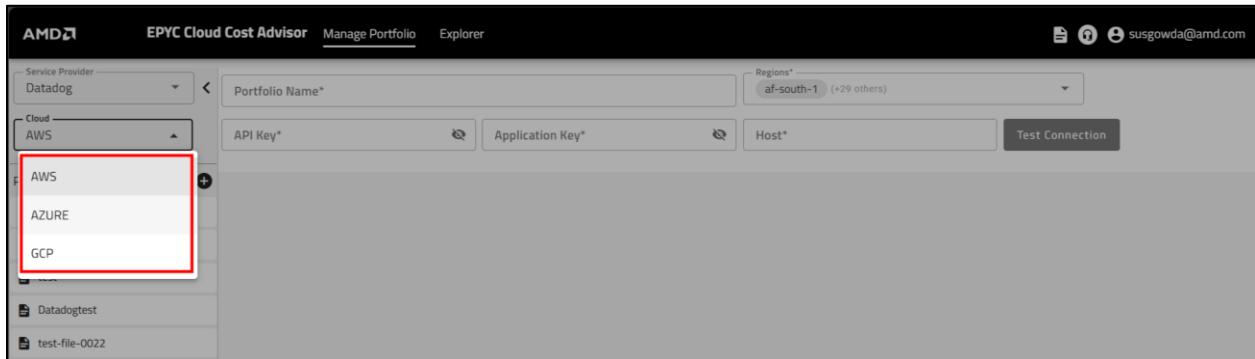
With the Telemetry Connector option, you can link your Datadog account by providing your **API Key**, **Application Key** and **Host**. The platform will authenticate your Datadog account and retrieve the instances that are already being monitored through Datadog's telemetry data.

To add instance via Datadog:

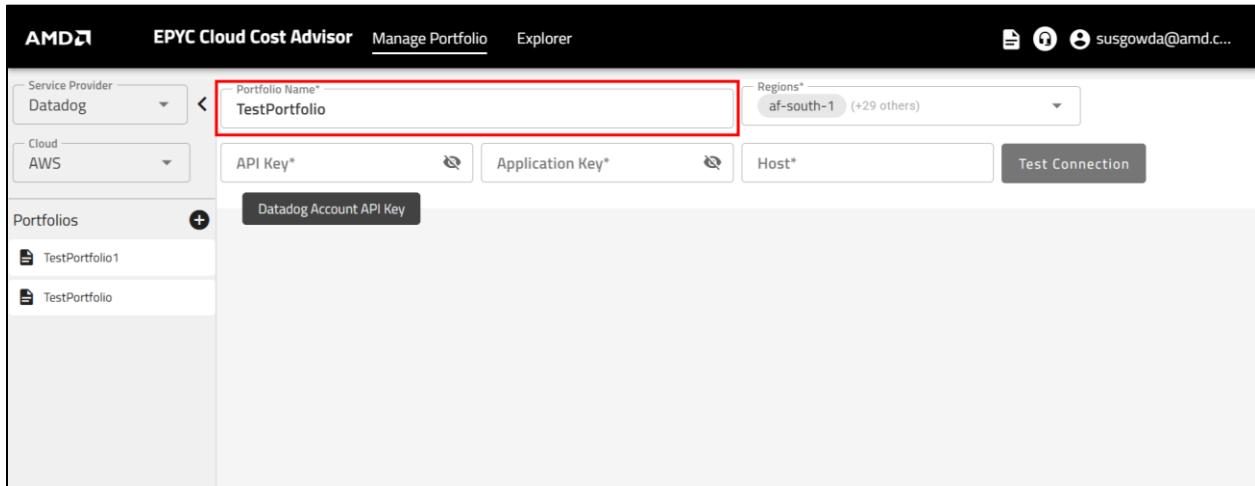
- From the service provider dropdown, select **Datadog**.



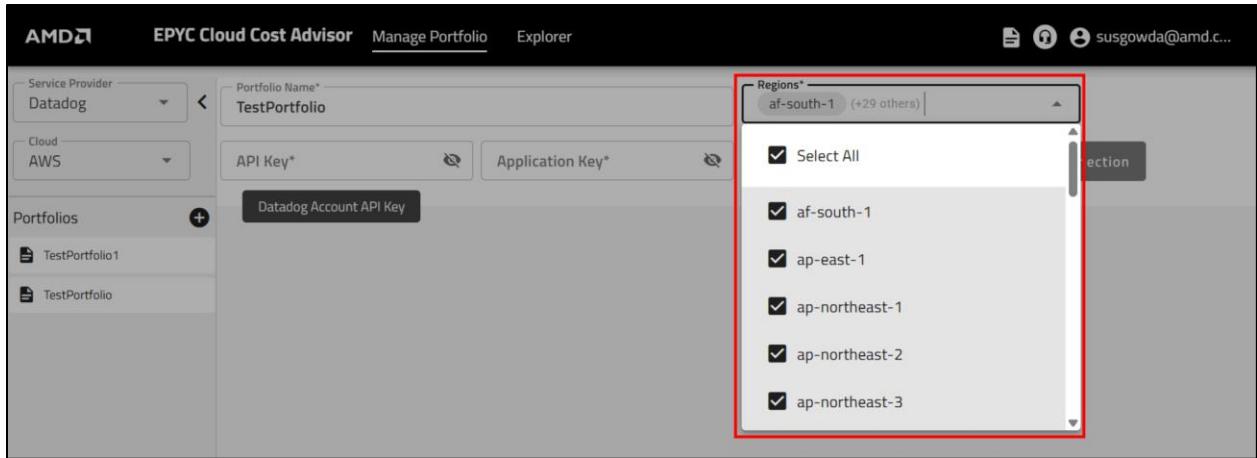
- Select **Cloud** (AWS, Azure, or GCP).



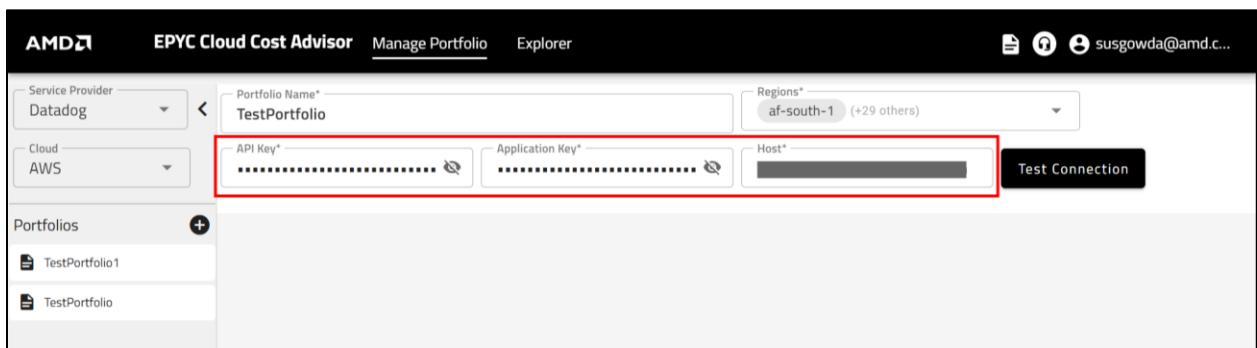
- Provide a name for your portfolio.



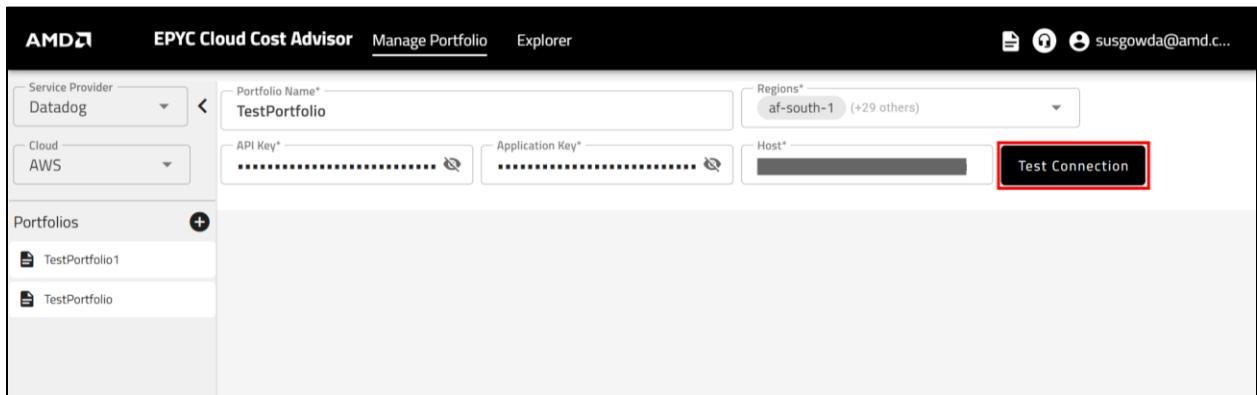
- Select the **Region**. By default, all applicable regions will be selected, but you can edit this to choose only the specific regions needed.



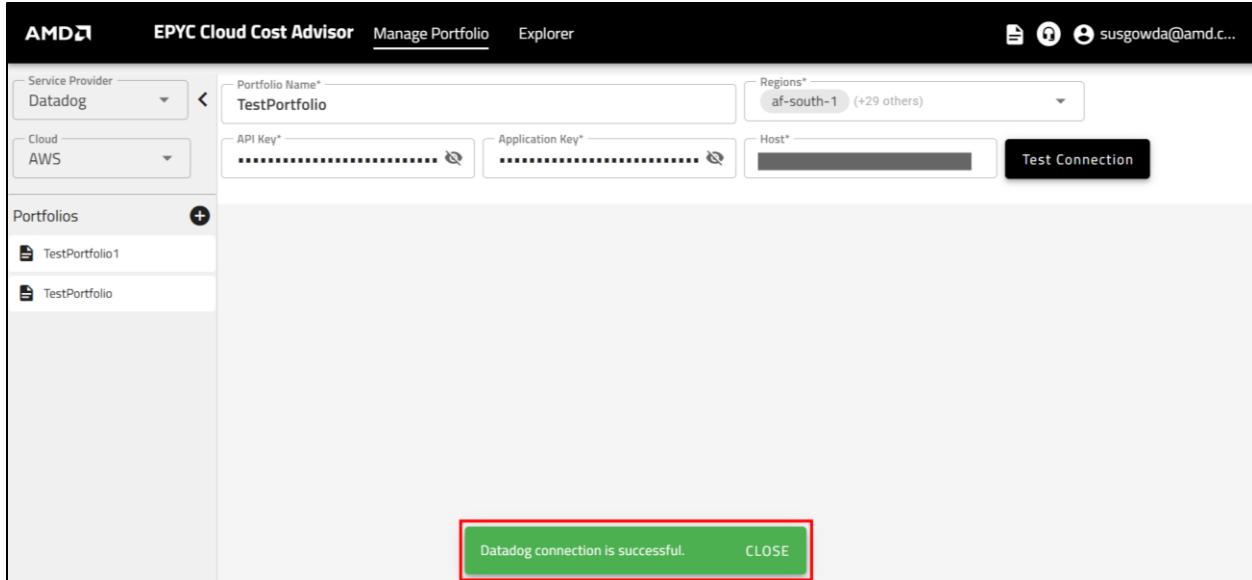
5. Enter the details below:
 - a) **API Key:** your Datadog **API Key** to authenticate the connection.
 - b) **Application Key:** Provide your Datadog **Application Key** for secure access to your telemetry data.
 - c) **Host:** Input the **Host** associated with your Datadog account.



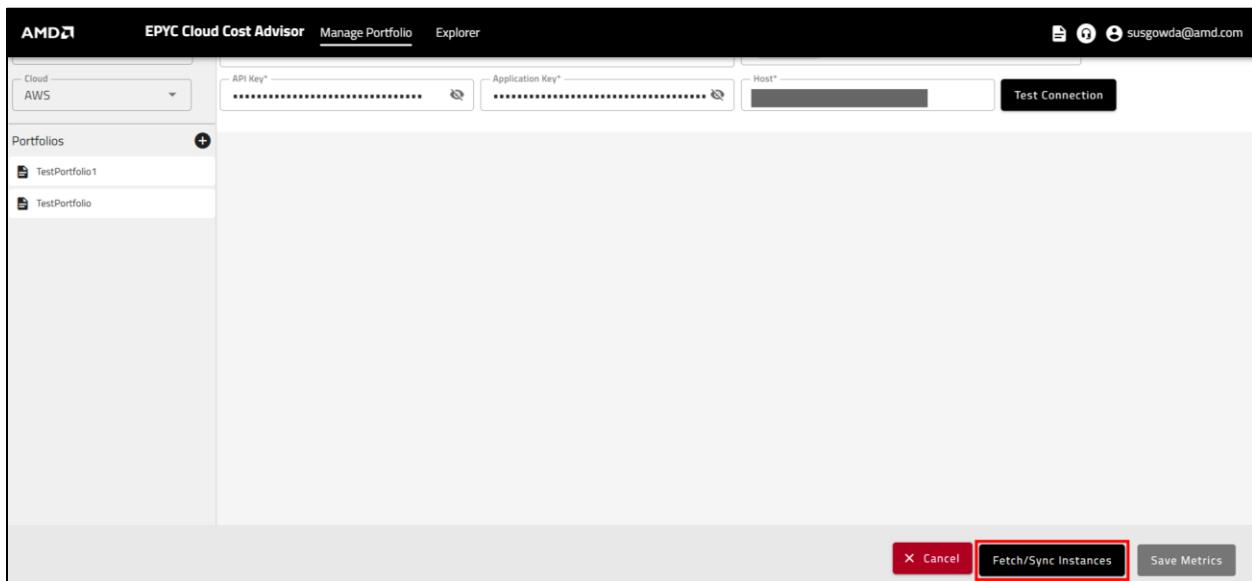
6. Click **Test Connection** to verify the connection.



7. Once the connection is successful, a confirmation message "**Datadog connection is successful**" will appear.



- Click on **Fetch/Sync Instances** to retrieve all the instances that are linked to your Datadog telemetry account. The system will retrieve all instances linked to your Datadog telemetry account.



- The system will retrieve all instances linked to your Datadog telemetry account. You can then choose the instances that are required for cost advice.

The screenshot shows the EPYC Cloud Cost Advisor interface with the 'Manage Portfolio' tab selected. On the left, there's a sidebar with dropdowns for 'Cloud' (set to AWS) and 'Portfolios' (listing 'TestPortfolio1' and 'TestPortfolio'). The main area contains a table with columns: Instance ID, Instance Name, Instance Type, and Region. One row is highlighted with a red box, showing 'i-0b03b697b0d1b831' as the Instance ID, 'datadogteam' as the Instance Name, 'm5.2xlarge' as the Instance Type, and 'us-west-2' as the Region. At the bottom of the table are pagination controls ('Items per page: 10', '1-1 of 1', and navigation arrows).

10. Click **Save Metrics** to save the portfolio with the selected instances for cost analysis.

This screenshot is similar to the previous one, but the 'Save Metrics' button at the bottom right of the interface is highlighted with a red box. The rest of the interface and data are identical to the previous screenshot.

11. After saving, you can view the added portfolio in the portfolios list on the left side of the page.

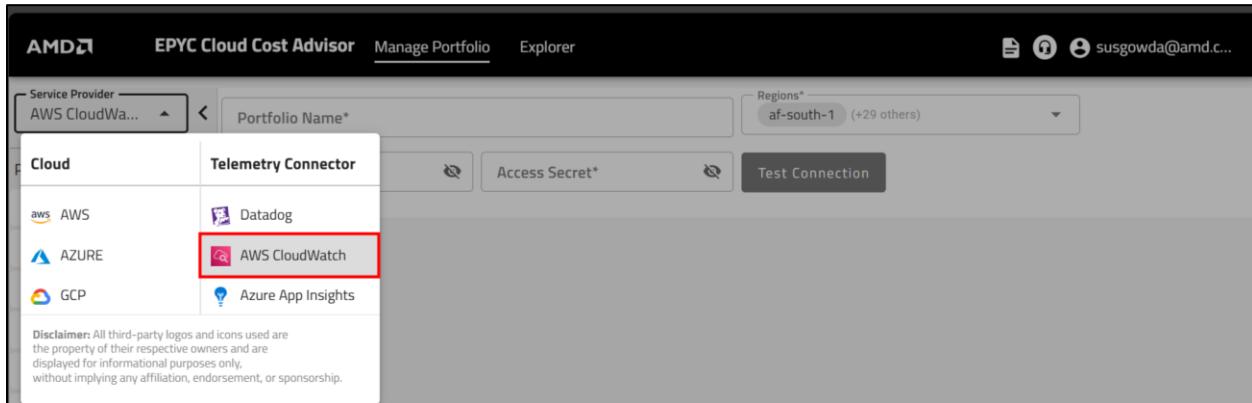
This screenshot shows the EPYC Cloud Cost Advisor interface with the 'Manage Portfolio' tab selected. The 'Portfolios' sidebar on the left shows 'TestPortfolio' selected, which is highlighted with a red box. The main area displays a table titled 'List of Instances' with a header 'Created By : susgowda'. The table has columns: UUID / Instance Name, Region, Size, Quantity, Total Number of Hours per Month, and Pricing Model. One row is visible: 'datadogteam' in 'us-west-2' with 'm5.2xlarge' size, '1' quantity, '726.9' total hours, and 'ondemand' pricing model. At the bottom of the table are pagination controls ('Items per page: 10', '1-1 of 1', and navigation arrows).

Add Instances via AWS CloudWatch

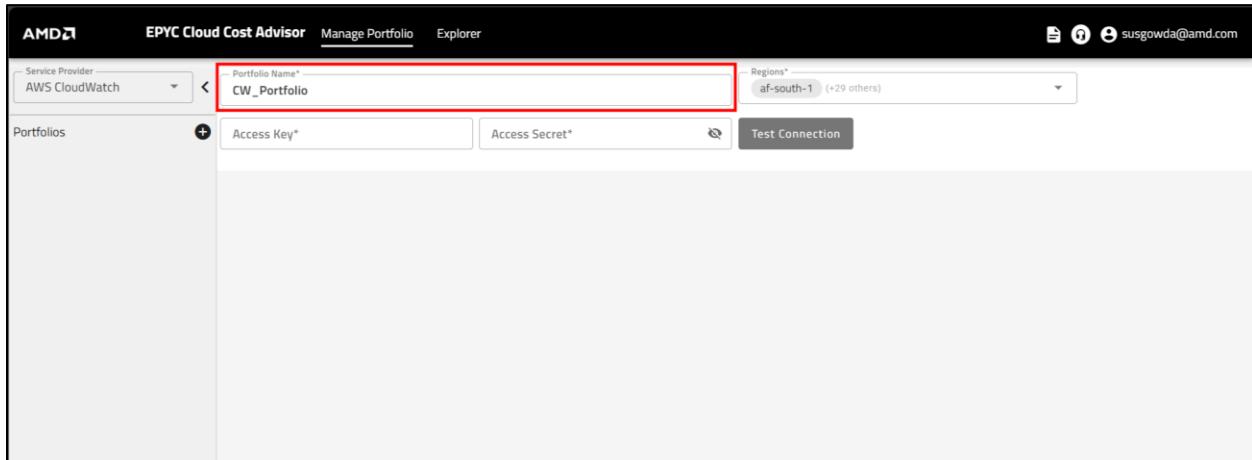
With the Telemetry Connector option, you can link your **AWS CloudWatch** account by providing your **AWS Access Key** and **Access Secret**. The platform will authenticate your AWS credentials and retrieve the instances that are already being monitored through CloudWatch telemetry data.

To add instance via AWS CloudWatch:

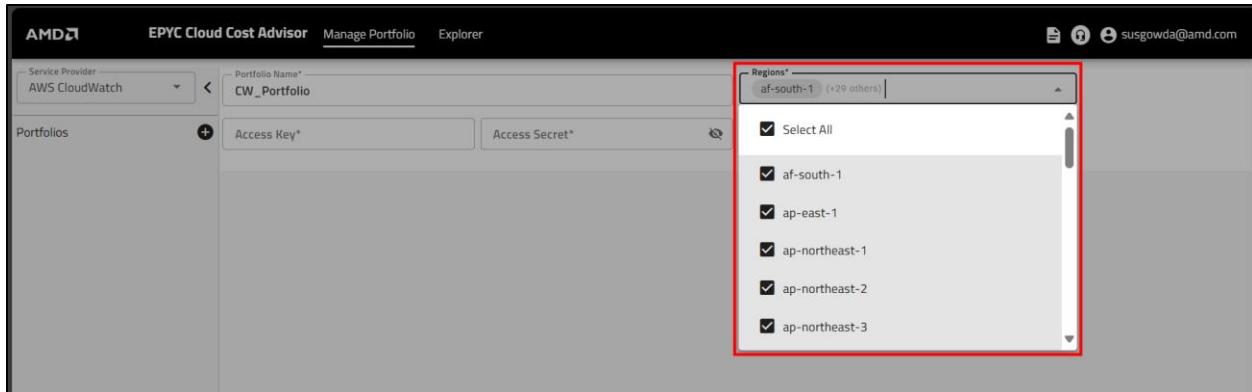
- From the service provider dropdown, select **AWS CloudWatch**.



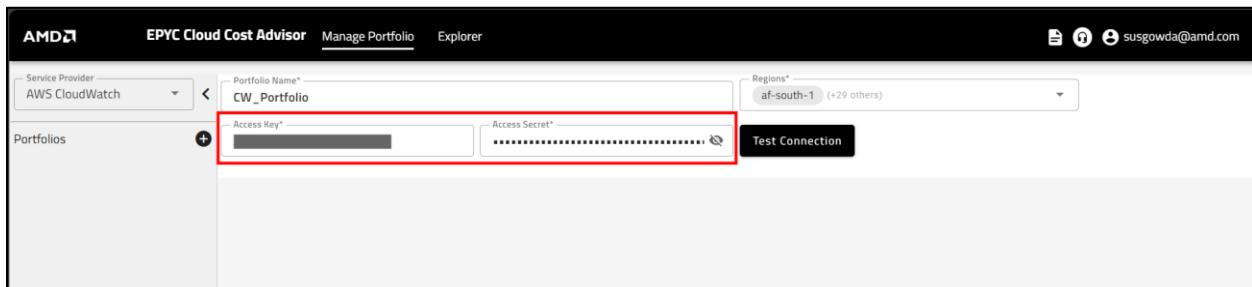
- Provide a name for your portfolio.



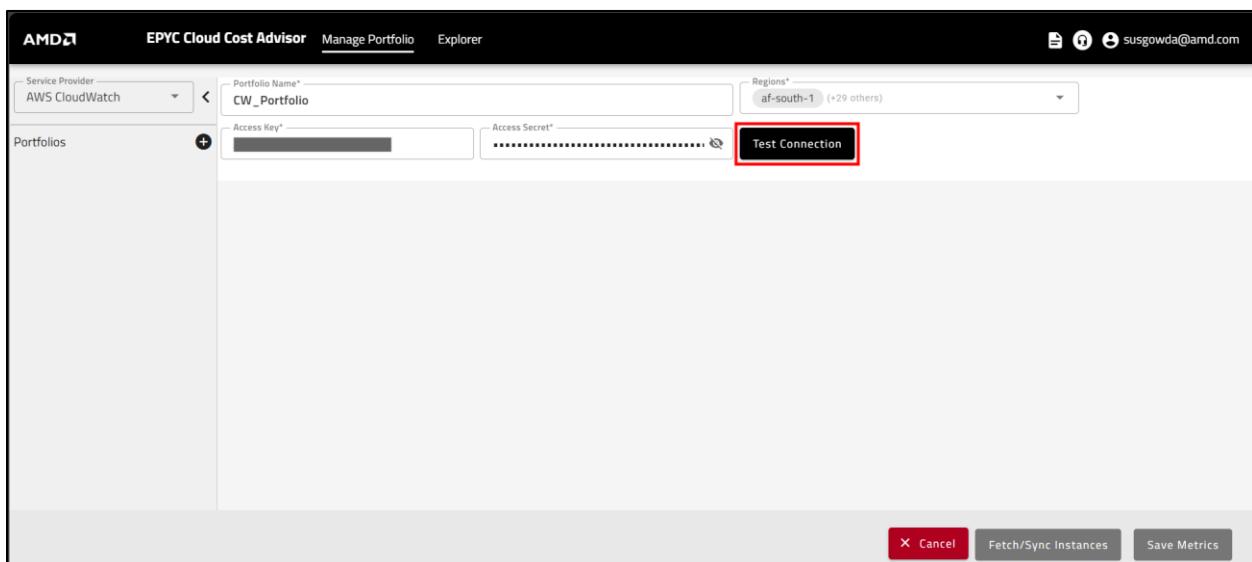
- Select the **Region**. By default, all applicable regions will be selected, but you can edit this to choose only the specific regions needed.



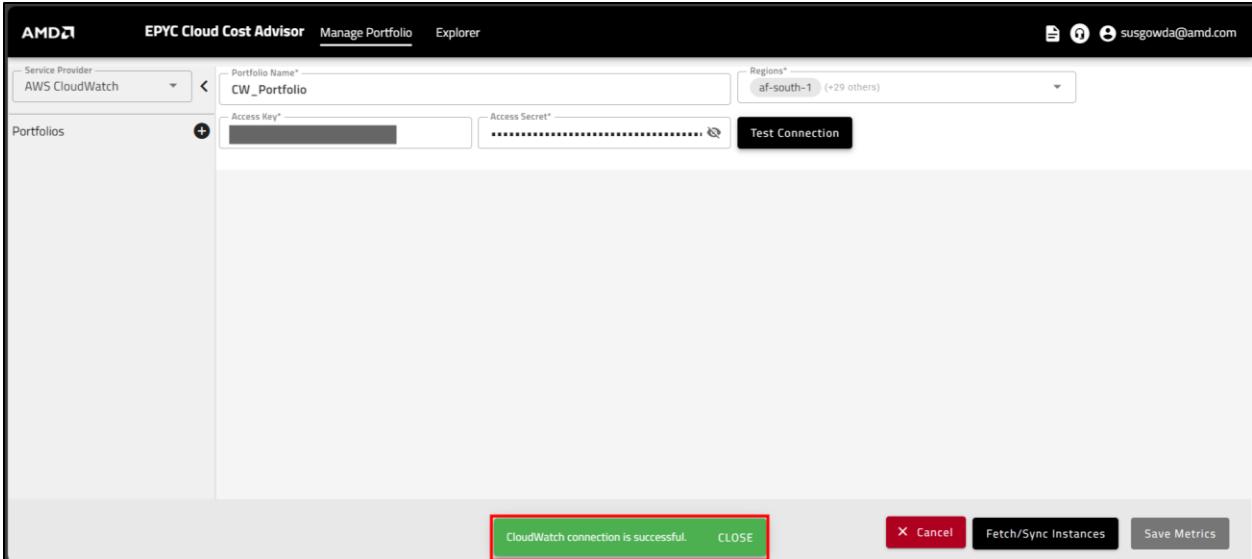
4. Enter the details below:
 - a) **Access Key:** your AWS Access Key to authenticate the connection.
 - b) **Access Secret:** Provide your AWS Access Secret for secure access to your telemetry data.



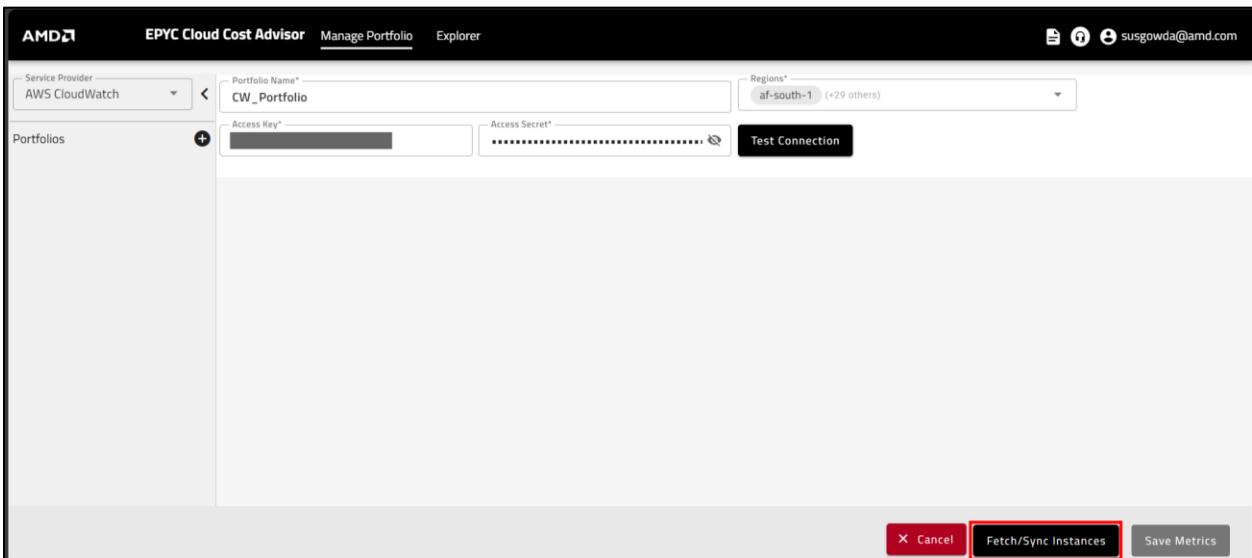
5. Click **Test Connection** to verify the connection.



6. Once the connection is successful, a confirmation message "**CloudWatch connection is successful**" will appear.



- Click on **Fetch/Sync Instances** to retrieve all the instances that are linked to your CloudWatch telemetry account.



- The system will retrieve all instances linked to your CloudWatch telemetry account. You can then choose the instances that are required for cost advice.

The screenshot shows the EPYC Cloud Cost Advisor interface with the 'Manage Portfolio' tab selected. The top navigation bar includes the AMD logo, the service name, and user information (susgowda@amd.com). The main area is titled 'Portfolios' and shows a table of CloudWatch instances. One instance, 'i-0b803b697b0d1b831' named 'DataDogTeam', is selected and highlighted with a red box. The table columns include Instance ID, Instance Name, Instance Type, Region, and Pricing Model. At the bottom, there are buttons for 'Cancel', 'Fetch/Sync Instances', and 'Save Metrics'.

- Click **Save Metrics** to save the portfolio with the selected instances for cost analysis.

This screenshot is identical to the previous one, showing the 'Manage Portfolio' tab with the same instance selected. The 'Save Metrics' button at the bottom is highlighted with a red box, indicating it has been clicked.

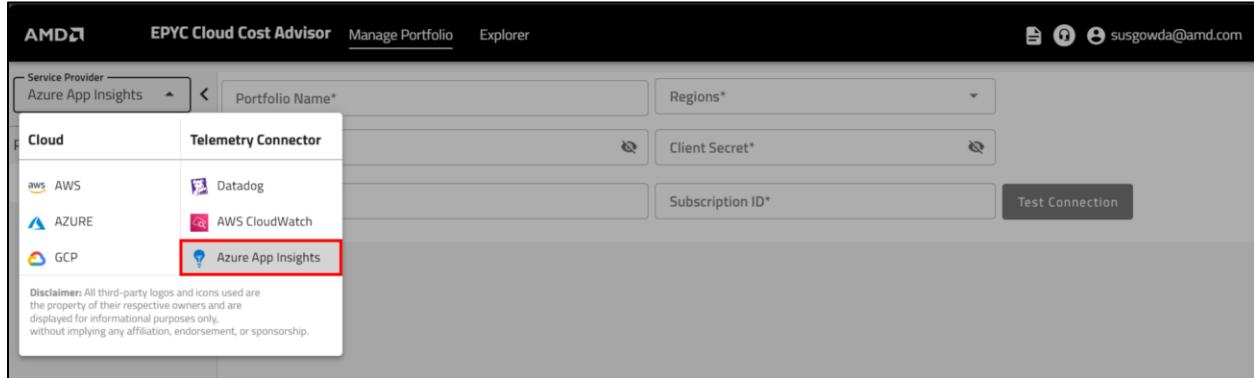
- After saving, you can view the added portfolio in the portfolios list on the left side of the page.

The screenshot shows the 'List of Instances' page. The 'Portfolios' section on the left lists 'CW_Portfolio' and other items like 'test--0019th', 'test--29th', and 'test0029th'. The 'CW_Portfolio' item is highlighted with a red box. The main table displays instance details such as UID / Instance Name, Region, Size, Quantity, Total Number of Hours per Month, and Pricing Model. The 'DataDogTeam' instance from the previous screen is listed here. The bottom of the page includes a 'Save Metrics' button.

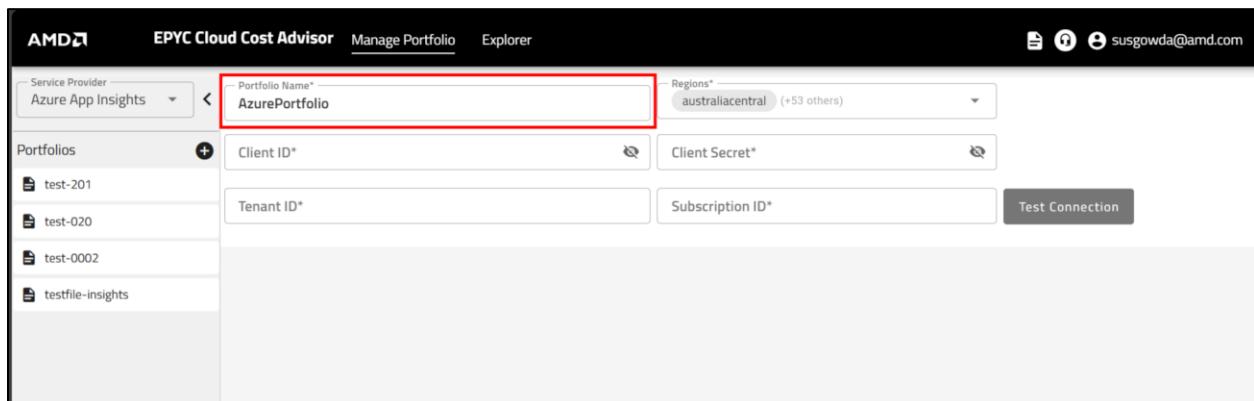
Add Instances via Azure App Insights

To add instance via Azure App Insights:

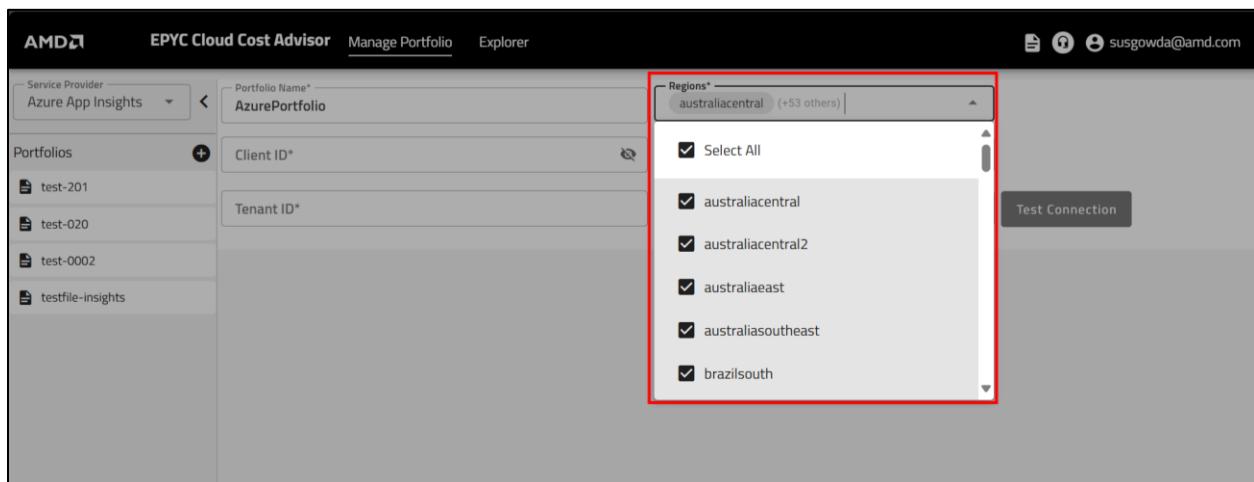
- From the service provider dropdown, select **Azure App Insights**.



- Provide a name for your portfolio.



- Select the **Region**. By default, all applicable regions will be selected, but you can edit this to choose only the specific regions needed.



4) Enter the details below:

- Client ID
- Client Secret
- Tenant ID
- Subscription ID

The screenshot shows the 'Manage Portfolio' tab of the EPYC Cloud Cost Advisor. On the left, there's a sidebar with a list of portfolios: 'test-201', 'test-020', 'test-0002', and 'testfile-insights'. The main area has fields for 'Portfolio Name' (set to 'AzurePortfolio'), 'Regions' (set to 'australiacentral (+53 others)'), and four required fields: 'Client ID', 'Client Secret', 'Tenant ID', and 'Subscription ID'. All these fields are currently empty and contain placeholder text. A large red box surrounds the 'Client ID', 'Client Secret', 'Tenant ID', and 'Subscription ID' fields. To the right of these fields is a 'Test Connection' button, which is also highlighted with a red box.

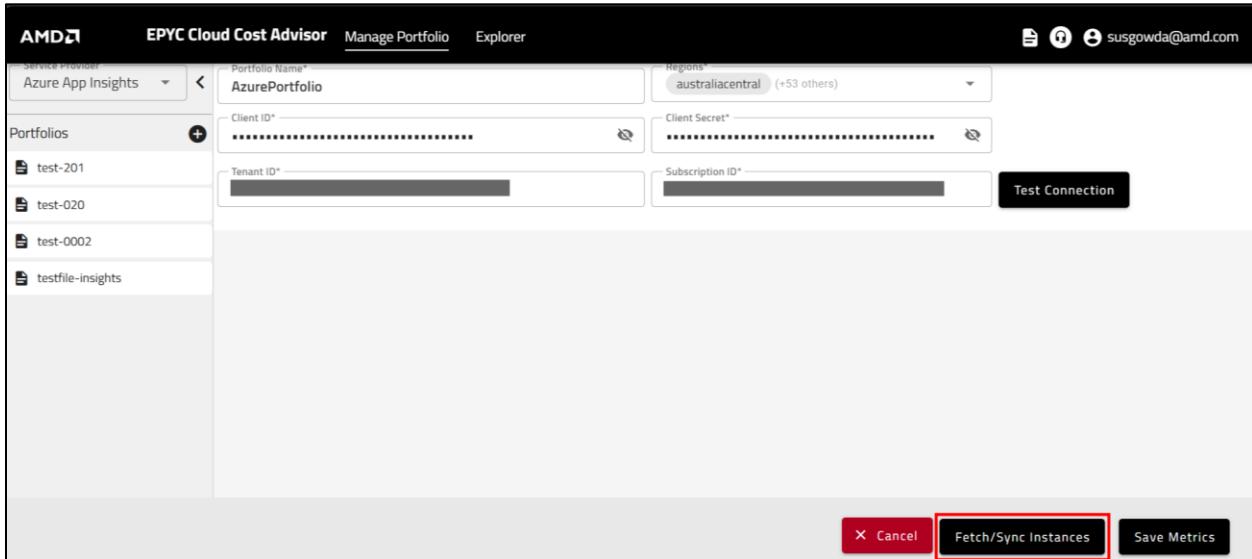
5) Click **Test Connection** to verify the connection.

This screenshot is nearly identical to the one above it, showing the 'Manage Portfolio' tab. The only difference is that the 'Test Connection' button at the bottom right of the form is now highlighted with a red box, indicating it has been clicked or is the current focus.

6) Once the connection is successful, a confirmation message “**Azure Insights connection is successful**” will appear.

This screenshot shows the same interface as the previous ones, but with a green message bar at the bottom that says 'Azure Insights connection is successful.' with a 'CLOSE' button. This indicates that the connection test was successful. The 'Test Connection' button is still present at the bottom right of the main form area.

- 7) Click on **Fetch/Sync Instances** to retrieve all the instances that are linked to your CloudWatch telemetry account.

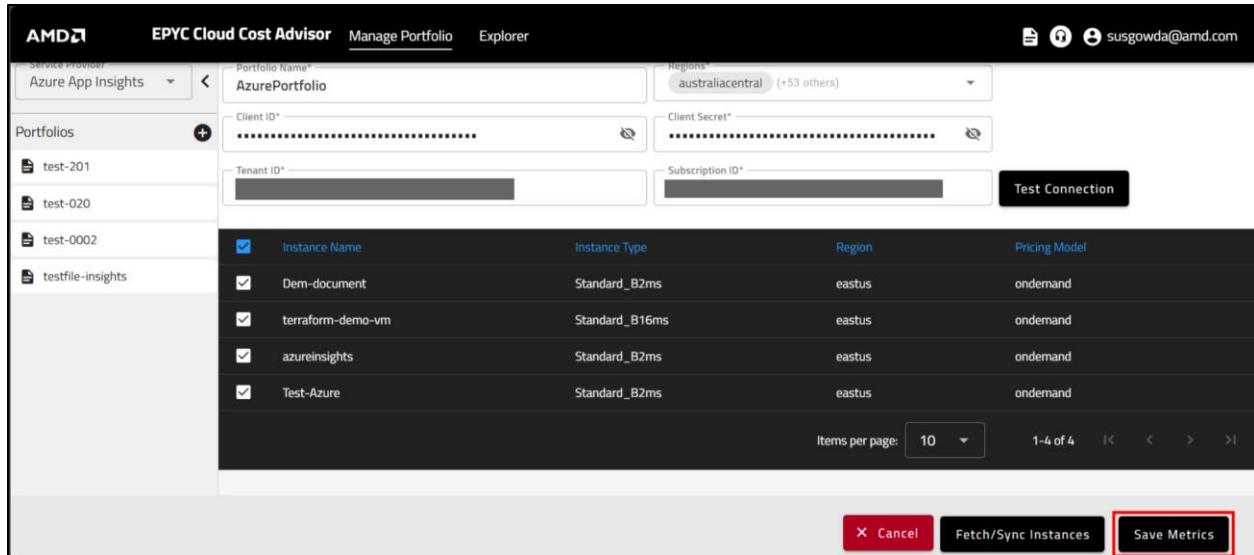


- 8) The system will retrieve all instances linked to your CloudWatch telemetry account. You can then choose the instances that are required for cost advice.

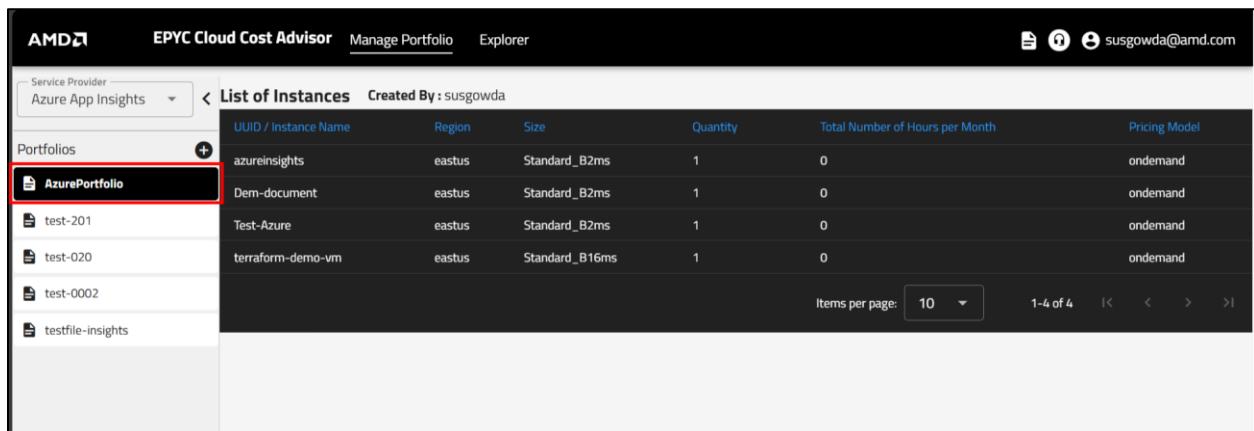
The screenshot shows the same 'Manage Portfolio' section after clicking 'Fetch/Sync Instances'. A table now displays Azure Insights instances: Dem-document, terraform-demo-vm, azureinsights, and Test-Azure. The 'Instance Name' column has checkboxes next to each entry, which are checked for the first four. The table includes columns for Instance Name, Instance Type, Region, and Pricing Model. A green message at the bottom says 'Azure Insights instances fetched successfully.' A red box highlights the table area. At the bottom are 'Cancel', 'Fetch/Sync Instances' (highlighted with a red box), and 'Save Metrics' buttons.

Instance Name	Instance Type	Region	Pricing Model
Dem-document	Standard_B2ms	eastus	ondemand
terraform-demo-vm	Standard_B16ms	eastus	ondemand
azureinsights	Standard_B2ms	eastus	ondemand
Test-Azure	Standard_B2ms	eastus	ondemand

- 9) Click **Save Metrics** to save the portfolio with the selected instances for cost analysis.



10) After saving, you can view the added portfolio in the portfolios list on the left side of the page.



User Actions for Telemetry Connector Portfolios

Note: Once the telemetry portfolio is saved, you will no longer be able to update or modify account credentials such as Access Key and Access Secret. These fields will become read-only).

- **Delete Portfolio:**
 - If you wish to delete the portfolio, select the portfolio and click on “Delete Portfolio”.

The screenshot shows the EPYC Cloud Cost Advisor interface. The left sidebar shows a list of portfolios, with 'CW_Portfolio' selected. The main area displays a table of instances. One instance, 'DataDogTeam', is listed with details: Region: us-west-2, Size: m5.2xlarge, Quantity: 1, Total Number of Hours per Month: 730, and Pricing Model: ondemand. At the bottom of the screen are three buttons: 'Delete Portfolio' (highlighted with a red border), 'Update Credentials', and '\$ Cost Advise'.

- A confirmation popup will appear. Click "**Delete**" to proceed.

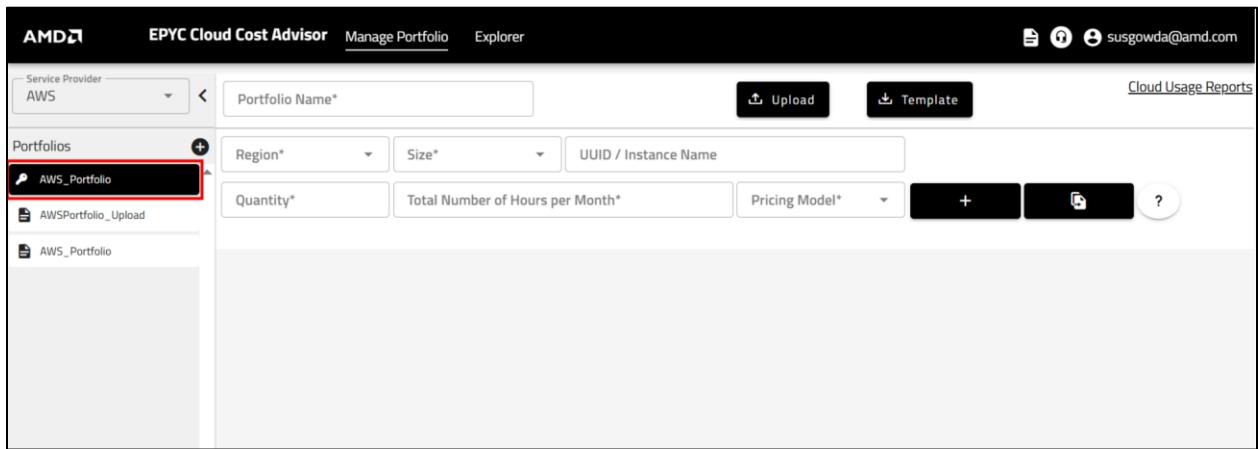
The screenshot shows a confirmation dialog box titled "Confirm Delete Portfolio" with the message "Are you sure you want to delete this Portfolio?". Below the message are two buttons: "Cancel" and "Delete" (highlighted with a red border). In the background, the EPYC Cloud Cost Advisor interface is visible, showing the "List of Instances" page with the same data as the previous screenshot.

- **Update Credentials:** To update the portfolio credentials, click on "**Update Credentials**".

The screenshot shows the EPYC Cloud Cost Advisor interface. The left sidebar shows a list of portfolios, with 'CW_Portfolio' selected. The main area displays a table of instances. One instance, 'DataDogTeam', is listed with details: Region: us-west-2, Size: m5.2xlarge, Quantity: 1, Total Number of Hours per Month: 730, and Pricing Model: ondemand. At the bottom of the screen, the 'Update Credentials' button is highlighted with a red border.

Cost Advice

- ▶ The Cost Advice feature provides users with recommendations for AMD instances compared to their current instances. It includes cost details and estimated savings if users migrate to the recommended AMD instances.
- ▶ Follow these steps to access and use the Cost Advice feature:
 - Ensure your portfolio with instance details is saved.
 - Navigate to Portfolio section and click on the desired portfolio account.



- Click on "Cost Advice."

UUID / Instance Name	Region	Size	Quantity	No. of Hours	Pricing Model
cloudautomation-terraform-srv	us-east-1	m6a.2xlarge	1	730	ondemand
test-m5d_4xlarge_recom	us-east-1	m5d.4xlarge	1	730	ondemand
lt-07318bc07f693b8c3	us-east-1	c7a.large	1	730	ondemand
wp - prod (workloadprofiler-prod.amd.com)	us-east-1	c7a.large	1	143	ondemand
eia - prod (eia-prod.amd.com)	us-east-1	c6a.xlarge	1	730	ondemand
test-inventory-srv-22ndAug	us-east-1	t3.large	1	730	ondemand
large_testing	us-east-1	r6i.large	1	730	ondemand
carbon_power_data	us-east-1	m7a.xlarge	1	730	ondemand
old-cca - prod (cca-prod.amd.com)	us-east-1	m7a.xlarge	1	189	ondemand
cca_log	us-east-1	c6a.xlarge	1	730	ondemand

- A table will appear, showing:
 - **Current Instance details:**
 - **Region:** The geographical location where each instance is hosted.
 - **Instance size:** The size and specifications of instance.

- **Monthly and annual costs:** The cost of running each instance on a monthly and annual basis.
- **UUID / Instance Name:** A unique identifier or name assigned to an instance.
- **Cloud Service Provider:** The cloud provider you have selected, such as AWS, Azure.
- **Quantity:** The number of cloud instances you are currently using.
- **Pricing Model:** The pricing structure of each instance (ondemand, reserved, or spot).
- **vCPU(s):** The number of virtual CPUs assigned to each instance.
- **Remark:** Additional comment on the current instance.

Region	Instance	Monthly Cost (\$)	Annual Cost (\$)	UUID/Instance Name	Cloud	Quantity	Pricing Model	vCPU(s)	Remark
sa-east-1	c5.12xlarge	1,446.13	17,353.56	2f228...558c0	AWS	1	reserved	48	-
eu-west-1	a1.4xlarge	-	-	91aaaf...50a08	AWS	1	ondemand	-	Invalid or Unsupported Instance
eu-central-1	a1.2xlarge	-	-	00dbd...fbc1f	AWS	1	spot	-	Invalid or Unsupported Instance
Grand Total								1,446.13	17,353.56

- **Recommended Instances:** Suggested alternative AMD instances, with categories for optimization (Hourly Cost Optimization, Modernize, and Modernize & Downsize).

Hourly Cost Optimization *						Modernize *						Modernize & Downsize *								
Instance	vCPUs	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Performance Improvement %	Instance	vCPUs	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Performance Improvement %	Instance	vCPUs	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Performance Improvement %			
m5a.2xlarge	8	252.29	3,027.48	1,036.40	25.47	0.46	m5a.2xlarge	8	318.40	3,777.67	0.01	0.00	1.00	m7a.2xlarge	4	313.12	3,757.47	304.41	74.0	0.56
m5a.2xlarge	8	252.29	3,027.48	0.00	0.00	1.00	m5a.2xlarge	8	156.01	1,881.77	-1,146.71	37.8%	2.16	m7a.2xlarge	4	145.06	1,740.75	1,206.73	42.90	1.17
r5a.2xlarge	32	1,787.06	21,444.48	0.00	0.00	1.00	r5a.2xlarge	32	1,282.76	15,393.09	0.051.39	28.22	1.87	r5a.2xlarge	16	1,221.67	14,660.09	6,794.39	31.64	0.98
r5a.2xlarge	8	446.76	5,361.12	0.00	0.00	1.00	r5a.2xlarge	8	296.03	3,408.81	1,952.71	36.42	2.11	r5a.2xlarge	2	276.19	3,350.27	2,010.85	37.51	1.07
r5a.2xlarge	32	893.52	10,722.26	3,660.86	25.47	0.54	r5a.2xlarge	32												

Note: All recommendations are based on the competitive performance analysis across and within processor offerings.

Recommendation Categories – Savings Type:

- Click on “What’s this”, represented by “?” icon to learn more about each saving type.

Savings Type: All

Hourly Cost Optimization *

Instance	vCPU(s)	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Savings (%)	Performance Improvement *	Instance	vCPU(s)	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Savings (%)	Perf.
m6a.2xlarge	8	252.29	3,027.48	1,034.40	25.47	0.46	m7a.2xlarge	8	338.49	4,061.87	0.01	0.00	1.00
m6a.2xlarge	8	252.29	3,027.48	0.00	0.00	1.00	m7a.2xlarge	8	156.81	1,881.77	1,145.71	37.84	2.16
c6a.8xlarge	32	1,787.04	21,444.48	0.00	0.00	1.00	c7a.8xlarge	32	1,282.76	15,393.09	6,051.39	28.22	1.87
c6a.xlarge	4	446.76	5,361.12	0.00	0.00	1.00	c7a.xlarge	4	284.03	3,408.41	1,952.71	36.42	2.11
c6a.8xlarge	32	893.52	10,722.24	3,663.84	25.47	0.54	c7a.8xlarge	32	1,198.84	14,396.07	0.01	0.00	1.00
r6a.large	2	82.78	993.36	110.40	10.00	0.94	r7a.large	2	58.20	698.36	405.40	36.73	1.91
m6a.xlarge	4	630.70	7,568.40	2,586.00	25.47	0.47	m7a.xlarge	4	846.20	10,154.36	0.04	0.00	1.00
c6a.xlarge	4	111.69	1,340.28	148.92	10.00	1.25	c7a.xlarge	4	56.91	682.93	806.27	54.14	2.63
supported Instance	-	-	-	-	-	-	supported Instance	-	-	-	-	-	-
		4,457.07	53,484.84	7,543.56	12.36	0.83			4,222.24	50,666.87	10,361.53	16.98	1.71

All the recommendations are based on the competitive performance analysis across and within processor offerings

- Hourly Cost Optimization:**
Recommendation to lower hourly costs by using 5th generation AMD processors (Milan, EPYC 7R13 series) for high efficiency and the same performance.
- Modernize:**
Recommendation for using the latest AMD processors (Genoa, EPYC 9004 series) for increased performance ~2X uplift.
- Modernize & Downsize:**
Recommendation to use the latest AMD processors and smaller instance sizes for the same performance and cost savings.

<https://www.amd.com/en/products/processors/server/epyc/aws.html>
<https://www.amd.com/en/products/processors/server/epyc/microsoft-azure.html>

- Hourly Cost Optimization:** Recommendations featuring older generation AMD processors aimed at reducing hourly costs compared to your current instances. (Currently, we are recommending only Milan processors for hourly cost optimization.)
 - Modernize:** Recommendations featuring the latest generation AMD processors for improved performance and cost savings.
 - Modernize & Downsize:** Recommendations featuring the latest generation AMD processors with reduced instance sizes for enhanced performance and additional cost reduction.
- By default, the cost advice table will display all three savings types. You can filter the savings type field to the required category: Hourly Cost Optimization, Modernize, or Modernize & Downsize.

	Hourly Cost Optimization *					Modernize *						
	Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Savings (%)	Performance Improvement *	Instance	vCPU(s)	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Savings (%)	Perf
Hourly Cost Optimization	3,027.48	1,034.40	25.47	0.46		m7a.2xlarge	8	338.49	4,061.87	0.01	0.00	1.00
Modernize	3,027.48	0.00	0.00	1.00		m7a.2xlarge	8	156.81	1,881.77	1,145.71	37.94	2.16
Modernize & Downsize	21,444.48	0.00	0.00	1.00		c7a.8xlarge	32	1,282.76	15,393.09	6,051.39	28.22	1.87
c6a.xlarge	4	446.76	5,361.12	0.00	0.00	c7a.xlarge	4	284.03	3,408.41	1,952.71	36.42	2.11
c6a.8xlarge	32	893.52	10,722.24	3,663.84	25.47	c7a.8xlarge	32	1,198.84	14,386.07	0.01	0.00	1.00
r6a.large	2	82.78	993.36	110.40	10.00	r7a.large	2	58.20	698.36	405.40	36.73	1.91
m6a.xlarge	4	630.70	7,568.40	2,586.00	25.47	m7a.xlarge	4	846.20	10,154.36	0.04	0.00	1.00
c6a.xlarge	4	111.69	1,340.28	148.92	10.00	c7a.xlarge	4	56.91	682.93	806.27	54.14	2.63
supported Instance	-	-	-	-	-	-	-	-	-	-	-	-
supported Instance	-	-	-	-	-	-	-	-	-	-	-	-
	4,457.07	53,484.84	7,543.56	12.36	0.83			4,222.24	50,666.87	10,361.53	16.98	1.71

- The table will show the recommended optimized instances with monthly and annual costs along with Annual savings and Performance Improvement scores, for each category of recommended instances. The columns in the table include:
 - Instance:** The specifications of the recommended cloud instance.
 - vCPU(s):** The number of virtual CPUs assigned to the recommended instance.
 - Monthly Cost (\$):** The total cost incurred for using the recommended cloud instance over a one-month period.
 - Annual Cost (\$):** The total cost incurred for using the recommended cloud instance over the course of a year (calculated as Monthly Cost × 12).
 - Annual Savings (\$):** The amount of cost savings achieved by transitioning to the recommended cloud instance, compared to the current instance configurations. This is calculated as the difference between the Annual Cost of the Current Instance and the Annual Cost of the Recommended Instance.
 - Savings Percentage (%):** The percentage of cost savings resulting from the use of the recommended cloud instance. This is calculated as:

$$\text{Savings (\%)} = \left\{ \frac{\text{Annual Cost of Current Instance} - \text{Annual Cost of Recommended Instance}}{\text{Annual Cost of Current Instance}} \right\} \times 100$$

- Performance Improvement:** This is the factor by which the recommended cloud instance outperforms the current instance. Hover over the values to view the exact multiple by which the recommended instance performs better than the current instance.

Performance Improvement =	$\frac{\text{SPEC_INT of recommended instance}}{\text{SPEC_INT of current instance}}$
---------------------------	---

Note:

- If any of the current instances are invalid or not supported for a recommendation, the corresponding recommendation fields will be marked with a hyphen (-), indicating them as “**Skipped Instances**”. The reason for skipped instances will be displayed under the “**Remarks**” column.

Region	Instance	Monthly Cost (\$)	Annual Cost (\$)	Remark	Instance	vCPU(s)	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)
sa-east-1	c5.12xlarge 1,446.13	17,353.56	-	-	c6a.12xlarge	48	1,364.25	16,371.00	982.56
eu-west-1	a1.4xlarge -	-	-	Invalid or Unsupported Instance	-	-	-	-	-
eu-central-1	a1.2xlarge -	-	-	Invalid or Unsupported Instance	-	-	-	-	-
Grand Total		3					1,364.25	16,371.00	982.56

- To learn more about scenarios involving Invalid or Unsupported instances, click the “[Input Errors Explanation](#)” tooltip.

Invalid or Unsupported Scenarios:

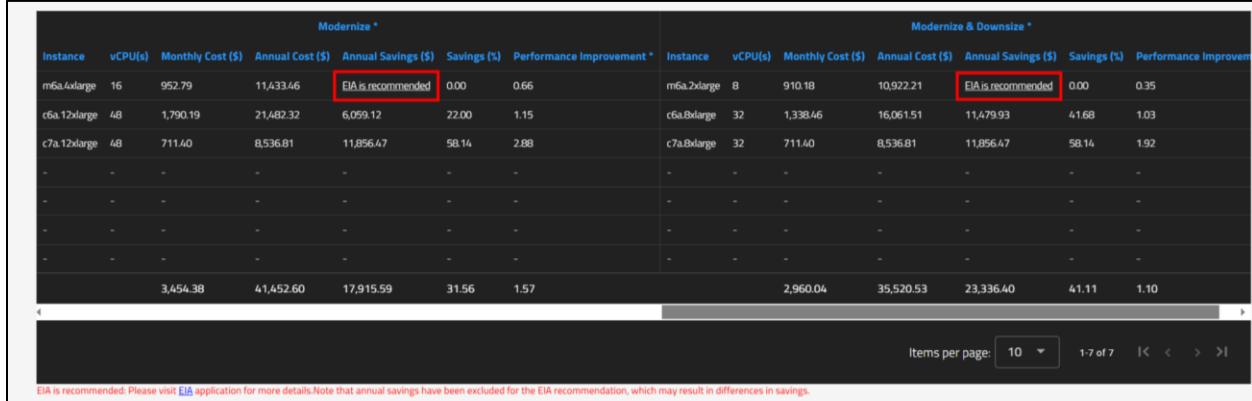
Region or Instance input data is invalid or specifies an unsupported instance type

- Instances for which performance data is unavailable.
- Older generation series (e.g., 3rd generations) with insufficient performance data.
- Smaller instance types (e.g., micro, nano, medium) that are not ideal for EIA recommendations.
- Graviton instances, which are not currently supported by EIA.

Note:

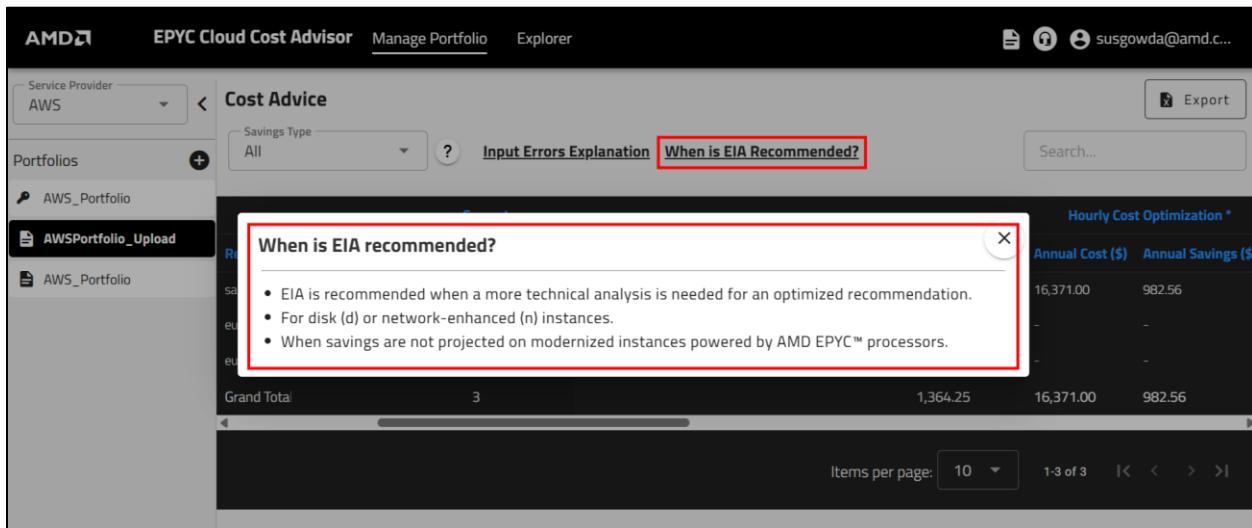
- EIA (EPYC Instance Advisor) is recommended for instances that either have negative savings across all performance data or are ID and IDN instances.
- For any instance, if “[EIA is recommended](#)” is quoted in the Annual Savings column of the table, please click on the **hyperlink** to navigate to EIA Application for additional information.

- Note that projected annual savings are not included for EIA recommendation, which may result in differences in the savings totals.



The screenshot shows two tables side-by-side. The left table is titled 'Modernize *' and the right table is titled 'Modernize & Downsize *'. Both tables have columns for Instance, vCPU(s), Monthly Cost (\$), Annual Cost (\$), Annual Savings (\$), Savings (%), and Performance Improvement %. The 'EIA is recommended' column is highlighted with a red box in both tables. At the bottom of each table, there is a summary row with total values: for the first table, 3,454.38, 41,452.60, 17,915.59, 31.56, 1.57; for the second table, 2,960.04, 35,520.53, 23,336.40, 41.11, 1.10. Below the tables, a note says: 'EIA is recommended. Please visit [EIA application](#) for more details. Note that annual savings have been excluded for the EIA recommendation, which may result in differences in savings.' There are also dropdown menus for 'Items per page' (set to 10) and 'Search...'.

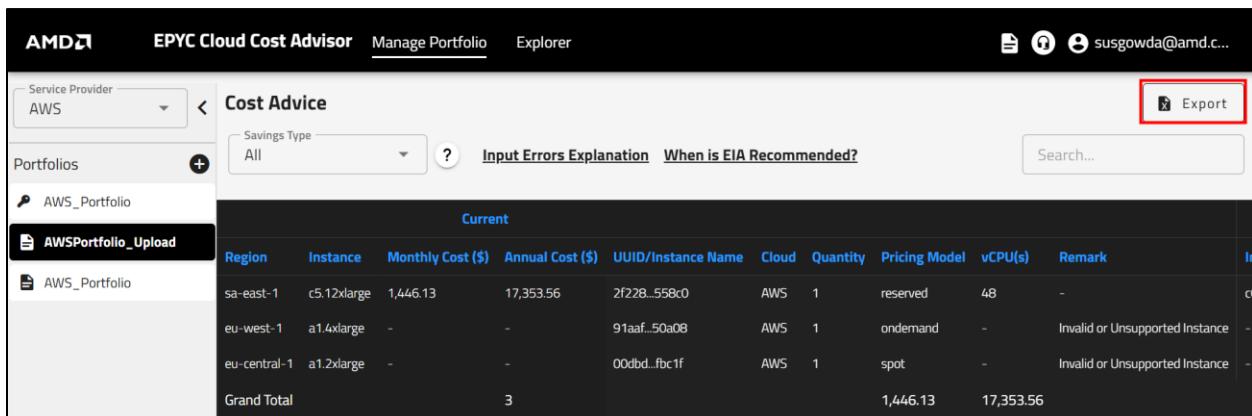
- To learn more, click the "When is EIA recommended?" tooltip.



The screenshot shows the 'Cost Advice' section of the EPYC Cloud Cost Advisor. On the right, there is a table with columns for Annual Cost (\$) and Annual Savings (\$). The table has three rows with values: 16,371.00, 982.56; -,-; -,-. At the bottom, there is a summary row: Grand Total 1,364.25, 16,371.00, 982.56. On the left, there is a sidebar with a 'Service Provider' dropdown set to AWS, a 'Portfolios' dropdown, and a list of portfolios: AWS_Portfolio, AWSPortfolio_Upload, and AWS_Portfolio. A tooltip for 'When is EIA Recommended?' is displayed, listing three conditions: 'EIA is recommended when a more technical analysis is needed for an optimized recommendation.', 'For disk (d) or network-enhanced (n) instances.', and 'When savings are not projected on modernized instances powered by AMD EPYC™ processors.' The 'Export' button is highlighted with a red box. There are also dropdown menus for 'Items per page' (set to 10) and 'Search...'.

► Export Report:

- To download the cost advice report, click "Export."



The screenshot shows the 'Cost Advice' section of the EPYC Cloud Cost Advisor. On the right, there is a table with a header 'Current' and columns for Region, Instance, Monthly Cost (\$), Annual Cost (\$), Uuid/Instance Name, Cloud, Quantity, Pricing Model, vCPU(s), Remark, and In. The table has four rows: sa-east-1, c5.12xlarge, 1,446.13, 17,353.56, 2f228..558c0, AWS, 1, reserved, 48, -; eu-west-1, a1.4xlarge, -, -, 91aaf..50a08, AWS, 1, ondemand, -, Invalid or Unsupported Instance; eu-central-1, a1.2xlarge, -, -, 00dbd..fbc1f, AWS, 1, spot, -, Invalid or Unsupported Instance; Grand Total, 1,446.13, 17,353.56. On the left, there is a sidebar with a 'Service Provider' dropdown set to AWS, a 'Portfolios' dropdown, and a list of portfolios: AWS_Portfolio, AWSPortfolio_Upload, and AWS_Portfolio. A tooltip for 'When is EIA Recommended?' is displayed, listing three conditions: 'EIA is recommended when a more technical analysis is needed for an optimized recommendation.', 'For disk (d) or network-enhanced (n) instances.', and 'When savings are not projected on modernized instances powered by AMD EPYC™ processors.' The 'Export' button is highlighted with a red box. There are also dropdown menus for 'Items per page' (set to 10) and 'Search...'.

- An Excel file will be downloaded. The file includes three sheets: **Recommended Instances**, **Total Annual Savings** and **Legal Disclaimer**.
- The **Recommended Instances** sheet includes the following details:
 - a. UUID/Instance Name, Cloud Service Provider (CSP), Region, Quantity, and Pricing Model.
 - b. **Current instance details:** Instance type, current vCPUs, Current Monthly Cost, Current Annual Cost, and Remarks.

EPYC Cloud Cost Advisory Recommendations									
Region	Current Instance	Current Monthly Cost	Current Annual Cost	UUID/Instance Name	Cloud	Quantity	Pricing Model	Current	
af-south-1	c5.18xlarge	2872.8	34473.6	f5d03b8c-899a-4849-be AWS	1	ondemand	72		
us-east-1	c5ad.12xlarge	1506.72	18080.64	53a01b9a-be7e-44a3-b AWS	1	ondemand	48		
us-east-1	m6i.4xlarge	553.34	6640.13	444a817d-e3cd-4dc8-8f AWS	1	ondemand	16		
ap-northeast-1	c3.8xlarge	-	-	7415a866-f798-4b30-90 AWS	1	ondemand	-		
Grand Total		4932.86	59194.37		4				
EIA is recommended: Please visit EIA application for more details. Note that annual savings have been excluded for the EIA recommendation, which may result in differences in savings.									
Note : Green color instances indicate positive savings.									

- c. **Recommended instance details:** Categorized as "Hourly Cost Optimization," "Modernized," and "Modernized & Downsized." Each category includes information such as Instance type, vCPUs, Monthly Cost, Annual Cost, Annual Savings, Savings percentage (%), and Performance Improvement.

Instance	vCPU(s)	Hourly Cost Optimization					Modernize						
		Monthly Cost	Annual Cost	Annual Savings	Savings (%)	Performance Improvement	Instance	vCPU(s)	Monthly Cost	Annual Cost	Annual Savings	Savings (%)	Performance Improvement
m6i.4xlarge	8	\$252.29	\$3,027.48	\$154.4	25.47	0.46	m7a.2xlarge	8	\$388.49	\$4,661.88	\$446.71	17.84	1
m6i.2xlarge	4	\$252.29	\$3,027.48	\$154.4	25.47	0.46	m7a.2xlarge	8	\$388.49	\$4,661.88	\$446.71	17.84	1
m6i.4xlarge	8	\$55.84	\$670.08	\$78.05	25.48	0.49	c7a.xlarge	8	\$74.93	\$899.16	\$0	0	1
c5ad.12xlarge	4	\$111.69	\$1,340.28	\$0	0	1	c7a.xlarge	8	\$71.01	\$852.11	\$98.17	16.42	2.11
c5ad.12xlarge	4	\$55.84	\$670.08	\$78.05	25.48	0.49	c7a.xlarge	8	\$74.93	\$899.16	\$0	0	1
c5a.xlarge	4	\$111.69	\$1,340.28	\$0	0	1	c7a.xlarge	8	\$71.01	\$852.11	\$98.17	16.42	2.11
c5a.xlarge	4	\$111.69	\$1,340.28	\$0	0	1	c7a.xlarge	8	\$71.01	\$852.11	\$98.17	16.42	2.11
m6i.4xlarge	8	\$82.78	\$993.36	\$98.04	20	0.94	m7a.xlarge	8	\$58.37	\$702.31	\$96.29	16.73	1.93
m6i.4xlarge	8	\$126.14	\$1,513.68	\$17.2	25.47	0.47	m7a.xlarge	8	\$169.24	\$2,030.88	\$0	0	1
m6i.4xlarge	8	\$126.14	\$1,513.68	\$17.2	25.47	0.47	m7a.xlarge	8	\$169.24	\$2,030.88	\$0	0	1
m6i.4xlarge	8	\$126.14	\$1,513.68	\$17.2	25.47	0.47	m7a.xlarge	8	\$169.24	\$2,030.88	\$0	0	1
c5ad.12xlarge	4	\$111.69	\$1,340.28	\$0	0	1.25	c7a.xlarge	8	\$56.91	\$682.94	\$96.29	16.73	2.63
c5ad.12xlarge	4	\$111.69	\$1,340.28	\$0	0	1.25	c7a.xlarge	8	\$56.91	\$682.94	\$96.29	16.73	2.63
c5ad.12xlarge	4	\$1,524.22	\$18,290.64	\$3,303.48	15.3	0.75	c7a.xlarge	8	\$1,481.02	\$17,772.25	\$3,821.87	17.7	1.59

- This report provides users with insights into potential annual cost savings and the percentage of savings.
- Recommended instances that result in positive annual savings are highlighted in green.

Modernize & Downsize												
Instance	vCPU(s)	Monthly Cost	Annual Cost	Annual Savings	Savings (%)	Performance Improvement	Instance	vCPU(s)	Monthly Cost	Annual Cost	Annual Savings	
6	c7a.xlarge	\$71.01	\$852.11	\$88.17	9.42	2.11	c7a.xlarge	8	\$69.80	\$837.57	\$82.73	17.73
8	c7a.xlarge	\$71.01	\$852.11	\$88.17	9.42	2.11	c7a.xlarge	8	\$69.80	\$837.57	\$82.73	17.73
9	c7a.xlarge	\$71.01	\$852.11	\$88.17	9.42	2.11	c7a.medium	4	\$69.80	\$837.57	\$82.73	17.73
10	c7a.xlarge	\$66.39	\$800.37	\$60.43	7.73	1.91	c7a.xlarge	8	\$66.39	\$800.37	\$60.43	7.73
11	m7a.xlarge	\$169.24	\$2,030.88	\$0	0	1	c7a.xlarge	8	\$166.34	\$1,996.10	\$34.76	17.76
12	m7a.xlarge	\$169.24	\$2,030.88	\$0	0	1	c7a.xlarge	8	\$166.34	\$1,996.10	\$34.76	17.76
13	m7a.xlarge	\$169.24	\$2,030.88	\$0	0	1	c7a.xlarge	8	\$166.34	\$1,996.10	\$34.76	17.76
14	c7a.xlarge	\$56.91	\$682.94	\$66.39	54.14	2.63	c7a.xlarge	8	\$55.94	\$671.29	\$67.73	17.73
15	-	-	-	-	-	-	-	-	-	-	-	

- The **Total Annual Savings** sheet provides an overview of the total cost for all listed instances. It includes:

- Total cost of current instances.
- Total cost and total savings for recommended instances in each category (Hourly Optimized, Modernized, and Modernized & Downsized).

A	B		C		D		E		F		G		H	I	J
	Current Cost		Hourly Cost Optimization		Modernize		Modernize & Downsize								
1	Total Cost	Total Savings	Total Cost	Total Savings	Total Cost	Total Savings									
2	\$59,194.37	\$65,586.40	\$663.97	\$64,755.91	\$2,363.90	\$63,720.59	\$2,582.41								
3	<i>EIA is recommended: Please visit EIA application for more details. Note that annual savings have been excluded for the EIA recommendation, which may result in differences in savings.</i>														
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- The Legal Disclaimer sheet provides the disclaimer statement, copyright information, and terms of use information.

1	Disclaimer: THE MATERIALS PROVIDED THROUGH THIS TOOL ARE PROVIDED 'AS IS', WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL AMD BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE MATERIALS OR THE USE OR PERFORMANCE OF THE MATERIALS.	A
2	Cloud instance recommendation generated using AMD EPYC Cloud Cost Advisor	
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Explorer

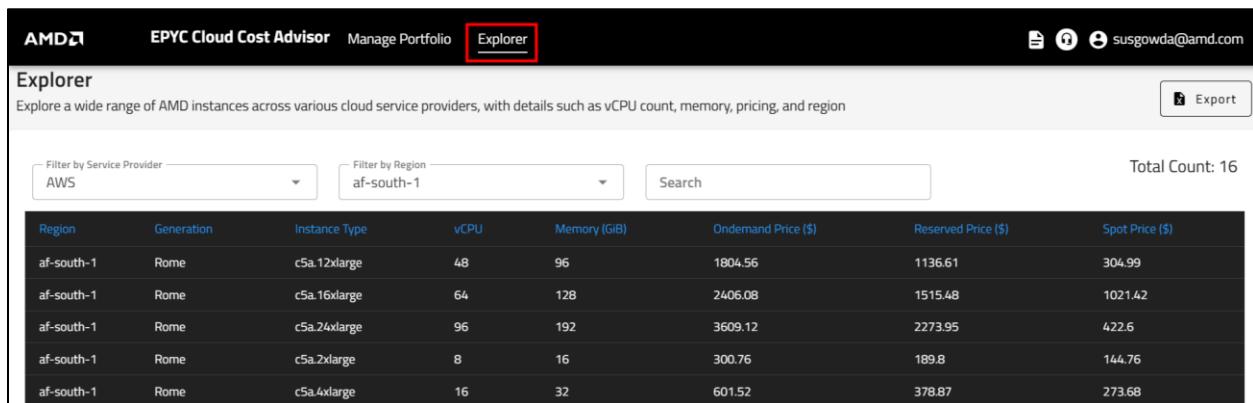
The **Explorer** section allows users to investigate a variety of AMD instances across different cloud service providers. It provides detailed information about each instance, including:

- Region
- Generation
- Instance Type
- vCPU Count
- Memory (GiB)
- Ondemand Price (\$)
- Reserved Price (\$)
- Spot Price (\$)

Note: *This feature is only applicable for internal AMD users.*

Exploring Instances

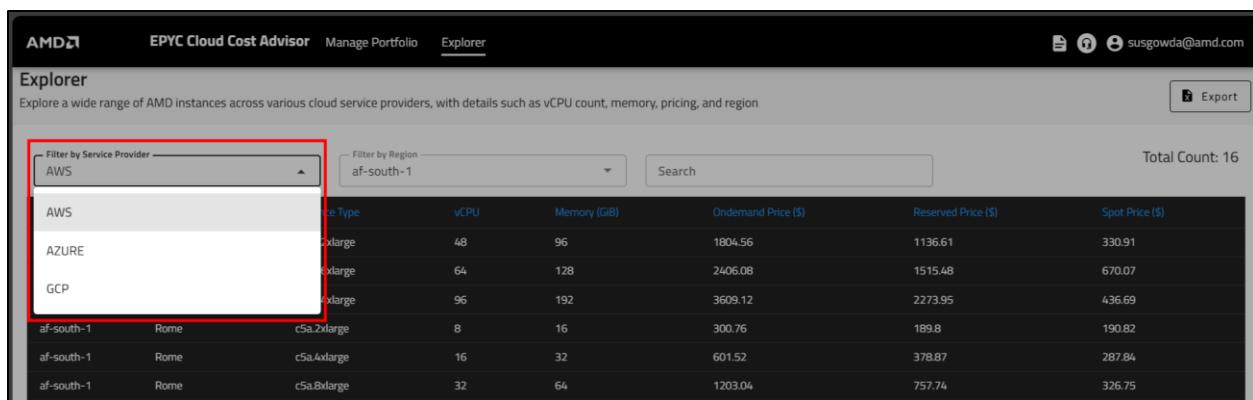
- Navigate to Explorer section from the main menu.



The screenshot shows the Explorer section of the EPYC Cloud Cost Advisor. At the top, there are navigation links: AMD, EPYC Cloud Cost Advisor, Manage Portfolio, and Explorer (which is highlighted with a red box). On the right, there are user profile icons and the email susgowda@amd.com. Below the header, the title "Explorer" is displayed, followed by a subtitle: "Explore a wide range of AMD instances across various cloud service providers, with details such as vCPU count, memory, pricing, and region". There are three filter dropdowns: "Filter by Service Provider" set to AWS, "Filter by Region" set to af-south-1, and a "Search" input field. To the right, it says "Total Count: 16". A table below lists the instances with columns: Region, Generation, Instance Type, vCPU, Memory (GiB), Ondemand Price (\$), Reserved Price (\$), and Spot Price (\$). The data is as follows:

Region	Generation	Instance Type	vCPU	Memory (GiB)	Ondemand Price (\$)	Reserved Price (\$)	Spot Price (\$)
af-south-1	Rome	c5a.12xlarge	48	96	1804.56	1136.61	304.99
af-south-1	Rome	c5a.16xlarge	64	128	2406.08	1515.48	1021.42
af-south-1	Rome	c5a.24xlarge	96	192	3609.12	2273.95	422.6
af-south-1	Rome	c5a.2xlarge	8	16	300.76	189.8	144.76
af-south-1	Rome	c5a.4xlarge	16	32	601.52	378.87	273.68

- ▶ Filter instances by:
 - **Service Provider:** Select the Cloud Service Provider.



The screenshot shows the Explorer section of the EPYC Cloud Cost Advisor. The interface is identical to the previous one, with the "Filter by Service Provider" dropdown highlighted with a red box. The dropdown menu lists "AWS", "AZURE", and "GCP". The table below shows instances for all three providers. The data is as follows:

Region	Generation	Instance Type	vCPU	Memory (GiB)	Ondemand Price (\$)	Reserved Price (\$)	Spot Price (\$)
af-south-1	Rome	c5a.12xlarge	48	96	1804.56	1136.61	304.99
af-south-1	Rome	c5a.16xlarge	64	128	2406.08	1515.48	670.07
af-south-1	Rome	c5a.24xlarge	96	192	3609.12	2273.95	436.69
af-south-1	Rome	c5a.2xlarge	8	16	300.76	189.8	190.82
af-south-1	Rome	c5a.4xlarge	16	32	601.52	378.87	287.84
af-south-1	Rome	c5a.8xlarge	32	64	1203.04	757.74	326.75

- **Region:** Select the geographical region where the instance is available.

The screenshot shows the 'Explorer' section of the EPYC Cloud Cost Advisor. At the top, there are two filter dropdowns: 'Filter by Service Provider' set to 'AWS' and 'Filter by Region' set to 'af-south-1'. Below these is a search bar and a total count of 16 instances. The main area displays a table of instance details, including Region, Generation, Instance Type, vCPU, Memory (GiB), Ondemand Price (\$), Reserved Price (\$), and Spot Price (\$). The table shows various instance types from the c5a family across different regions like af-south-1, ap-east-1, and ap-south-2.

Region	Generation	Instance Type	vCPU	Memory (GiB)	Ondemand Price (\$)	Reserved Price (\$)	Spot Price (\$)
af-south-1	Rome	c5a.12xlarge	48	96	1804.56	1136.61	304.99
af-south-1	Rome	c5a.16xlarge	64	128	2406.08	1515.48	1021.42
af-south-1	Rome	c5a.24xlarge	96	192	3609.12	2273.95	422.6
af-south-1	Rome	c5a.2xlarge	8	16	300.76	189.8	144.76
af-south-1	Rome	c5a.4xlarge	16	32	601.52	378.87	273.68
af-south-1	Rome	c5a.8xlarge	32	64	1203.04	757.74	350.11
af-south-1	Rome	c5a.large	2	4	75.19	47.45	20
af-south-1	Rome	c5ad.12xlarge	48	96	150.38	94.9	57.16
af-south-1	Rome	c5ad.16xlarge	64	128	2049.84	1291.37	271.78

- **Search:** Use the search feature to quickly find specific instances or details.

This screenshot shows the same Explorer interface as the previous one, but the 'Search' input field at the top has been highlighted with a red box. The rest of the interface and data table are identical to the first screenshot.

Region	Generation	Instance Type	vCPU	Memory (GiB)	Ondemand Price (\$)	Reserved Price (\$)	Spot Price (\$)
af-south-1	Rome	c5a.12xlarge	48	96	1804.56	1136.61	304.99
af-south-1	Rome	c5a.16xlarge	64	128	2406.08	1515.48	1021.42
af-south-1	Rome	c5a.24xlarge	96	192	3609.12	2273.95	422.6
af-south-1	Rome	c5a.2xlarge	8	16	300.76	189.8	144.76
af-south-1	Rome	c5a.4xlarge	16	32	601.52	378.87	273.68
af-south-1	Rome	c5a.8xlarge	32	64	1203.04	757.74	350.11
af-south-1	Rome	c5a.large	2	4	75.19	47.45	20

- **Export:** Click "Export" to download the instance details (based on the filters applied) in an Excel format for further analysis.

The final screenshot shows the 'Explorer' interface with the 'Export' button at the top right highlighted by a red box. The rest of the interface, including the filters and the data table, remains consistent with the previous screenshots.

Region	Generation	Instance Type	vCPU	Memory (GiB)	Ondemand Price (\$)	Reserved Price (\$)	Spot Price (\$)
af-south-1	Rome	c5a.12xlarge	48	96	1804.56	1136.61	304.99
af-south-1	Rome	c5a.16xlarge	64	128	2406.08	1515.48	1021.42
af-south-1	Rome	c5a.24xlarge	96	192	3609.12	2273.95	422.6
af-south-1	Rome	c5a.2xlarge	8	16	300.76	189.8	144.76
af-south-1	Rome	c5a.4xlarge	16	32	601.52	378.87	273.68
af-south-1	Rome	c5a.8xlarge	32	64	1203.04	757.74	350.11

- The downloaded Excel file will include the following details:

- Region
- Generation
- Instance Type
- vCPU
- Memory (GiB)
- On-Demand Price (\$)
- Reserved Price (\$)
- Spot Price (\$)

	A	B	C	D	E	F	G	H	I
1	Region	Generation	Instance Type	vCPU	Memory (GiB)	Ondemand Price (\$)	Reserved Price (\$)	Spot Price (\$)	
2	af-south-1	Rome	c5a.12xlarge	48	96	1804.56	1136.61	304.99	
3	af-south-1	Rome	c5a.16xlarge	64	128	2406.08	1515.48	1021.42	
4	af-south-1	Rome	c5a.24xlarge	96	192	3609.12	2273.95	422.6	
5	af-south-1	Rome	c5a.2xlarge	8	16	300.76	189.8	144.76	
6	af-south-1	Rome	c5a.4xlarge	16	32	601.52	378.87	273.68	
7	af-south-1	Rome	c5a.8xlarge	32	64	1203.04	757.74	350.11	
8	af-south-1	Rome	c5a.large	2	4	75.19	47.45	20	
9	af-south-1	Rome	c5a.xlarge	4	8	150.38	94.9	57.16	
10	af-south-1	Rome	c5ad.12xlarge	48	96	2049.84	1291.37	271.78	
11	af-south-1	Rome	c5ad.16xlarge	64	128	2733.12	1722.07	289.3	
12	af-south-1	Rome	c5ad.24xlarge	96	192	4099.68	2582.74	433.11	
13	af-south-1	Rome	c5ad.2xlarge	8	16	341.64	215.35	111.25	
14	af-south-1	Rome	c5ad.4xlarge	16	32	683.28	430.7	327.92	
15	af-south-1	Rome	c5ad.8xlarge	32	64	1366.56	860.67	363.61	
16	af-south-1	Rome	c5ad.large	2	4	85.41	54.02	21.68	
17	af-south-1	Rome	c5ad.xlarge	4	8	170.82	107.31	48.98	
18									

AWS_instances

Appendix A: Supported Regions and Instances for AWS, Azure and GCP

AWS: [Supported Regions and Instances - AWS](#)

Azure: [Supported Regions and Instances - Azure](#)

GCP: [Supported Regions and Instances - GCP](#)

Note: This list may vary over time as cloud providers add or deprecate regions. Please refer to the official documentation of the respective cloud service providers (AWS, Azure, or GCP) for the most up-to-date region list.

Appendix B: Supported CPU Generations and Cloud Classes

i. AWS Cloud Support

Supported CPU Generations:

CPU Generation	AMD Generation	Supported?
7 th gen	4 th Gen - Genoa (AMD EPYC™ Processor - 9xx4)	Yes
6 th gen	3 rd Gen - Milan (AMD EPYC™ Processor - 7xx3)	Yes
5 th gen	2 nd Gen - Rome (AMD EPYC™ Processor 7xx2)	Yes
4 th gen and below	-	No

Supported AWS Instance Families:

Instance Families	Supported?
General purpose	Yes
Compute optimized	Yes
Memory optimized	Yes
Accelerated computing	No
HPC optimized	No
Storage optimized	No

Reference:

Amazon EC2 Instances Powered by AMD EPYC™ Processors:

<https://www.amd.com/en/products/processors/server/epyc/aws.html>

Amazon EC2 Instance Types:

<https://aws.amazon.com/ec2/instance-types/>

ii. Azure Cloud Support

Supported CPU Generations:

CPU Generation	AMD Generation	Supported?
6 th gen	4 th Gen - Genoa (AMD EPYC™ Processor - 9xx4)	Yes
5 th gen	3 rd Gen - Milan (AMD EPYC™ Processor - 7xx3)	Yes
4 th gen	2 nd Gen - Rome (AMD EPYC™ Processor 7xx2)	Yes
3 rd gen and below	-	No

Supported Azure VM Series:

VM Series	Supported?
General purpose	Yes
Compute optimized	Yes
Memory optimized	Yes
Accelerated computing	No
FPGA	No
Storage optimized	No
HPC	No
Burst	No

Reference:

Microsoft Azure VMs Powered by AMD EPYC™ Processor:

<https://www.amd.com/en/products/processors/server/epyc/microsoft-azure.html>

iii. Google Cloud (GCP) Support

Supported CPU Generations:

CPU Generation	AMD Generation	Supported?
4 th gen	4th Gen - Genoa (AMD EPYC™ Processor - 9xx4)	Yes
3 rd gen	3rd Gen - Milan (AMD EPYC™ Processor - 7xx3)	Yes
2 nd gen	2 nd Gen - Rome (AMD EPYC™ Processor 7xx2)	Yes

Supported GCP Instance Families:

VM Series	Supported?
General purpose	Yes
Compute optimized	Yes
Memory optimized	Yes
Accelerated computing	No
Storage optimized	No
HPC	No

Need Help? Contact Us

If you need assistance or have any questions, please don't hesitate to reach out to our support team through the following contact options:

Hotline Number:

- Call us at: +1-(502)388-6228

Email:

- Email us at: dl.epycservices@amd.com

Business Hours:

- 24 / 7