



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	
V3.0.0	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: 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. ▪ 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. 	<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.

			<ul style="list-style-type: none"> ▪ 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. 	
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. 	Azure Regional Beta: <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. 	

		<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>		
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. ▪ 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"> ▪ 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 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 	<ul style="list-style-type: none"> ▪ AWS telemetry connector support.
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 	<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

		and instances supported by the Summit.		
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

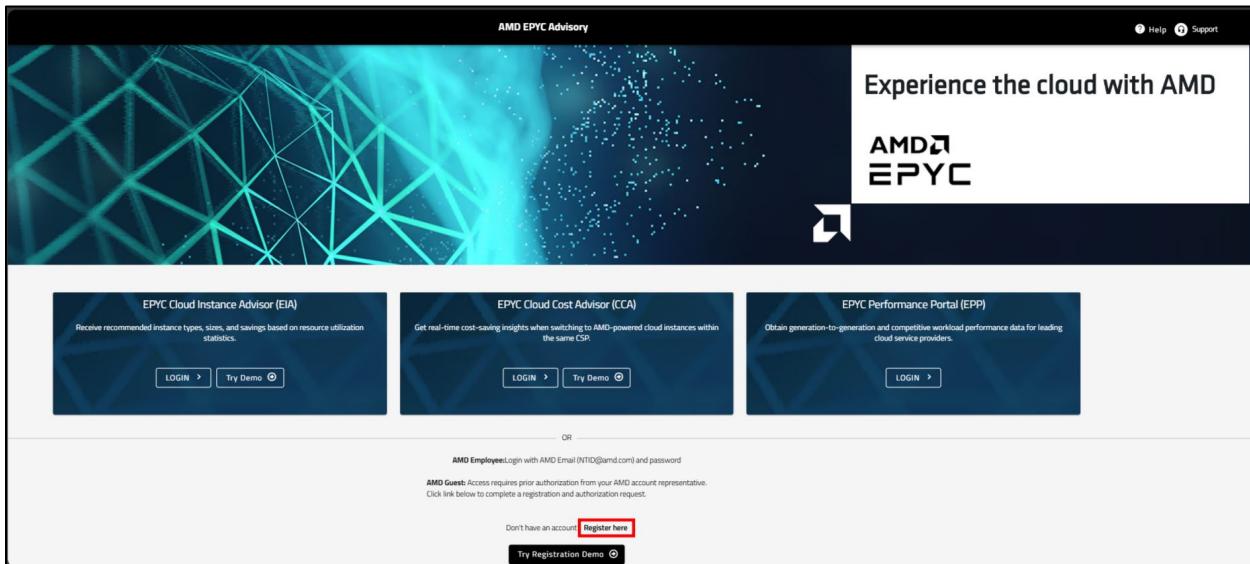
- Cost Savings Analysis:** Compare list pricing of current non-AMD x86 on-demand or reserved cloud instances with AMD EPYC™ processor-powered instances from the same cloud service provider.
- Customizable Solutions:** Explore and evaluate cost-saving opportunities specific to your cloud environment, 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

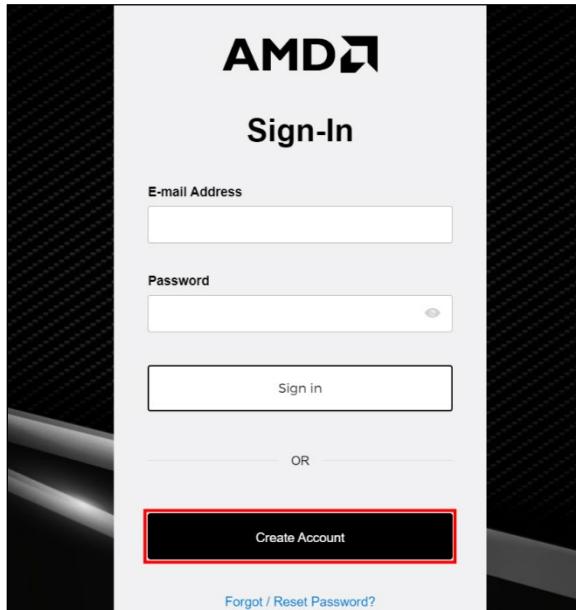
Step 1: Visit the Registration Page

- 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 *

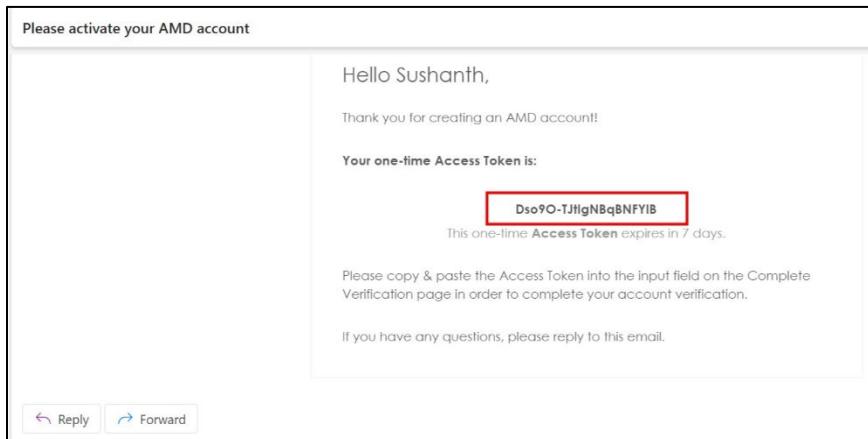
By creating an account, you agree to the AMD [Terms of Use](#) and [Privacy Policy](#).

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 +
Dso9O-TjlgNBqBNFYIB

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

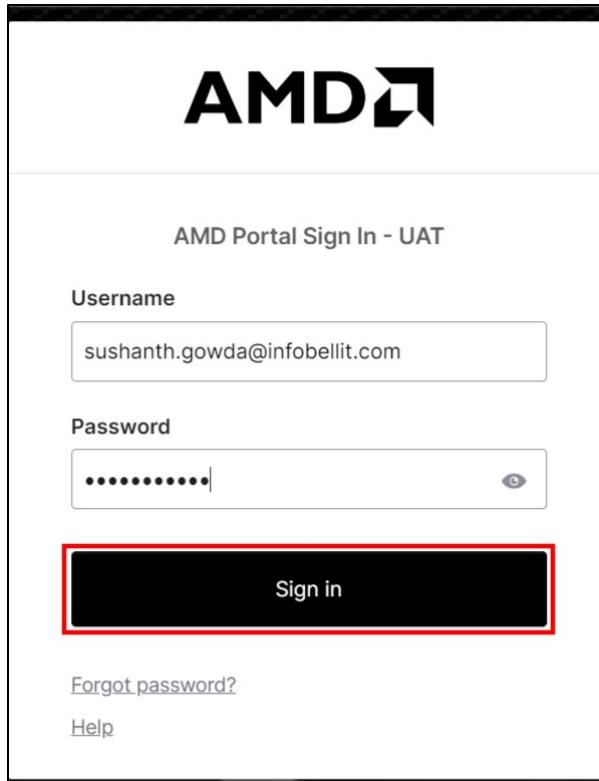
I'm not a robot  reCAPTCHA Privacy + Terms

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 :

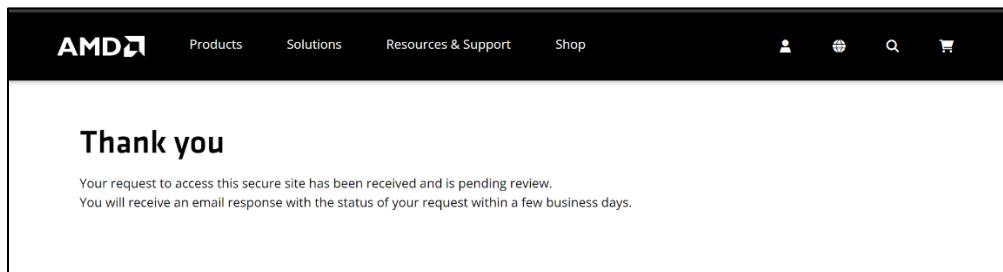
Job Function :

I Agree :

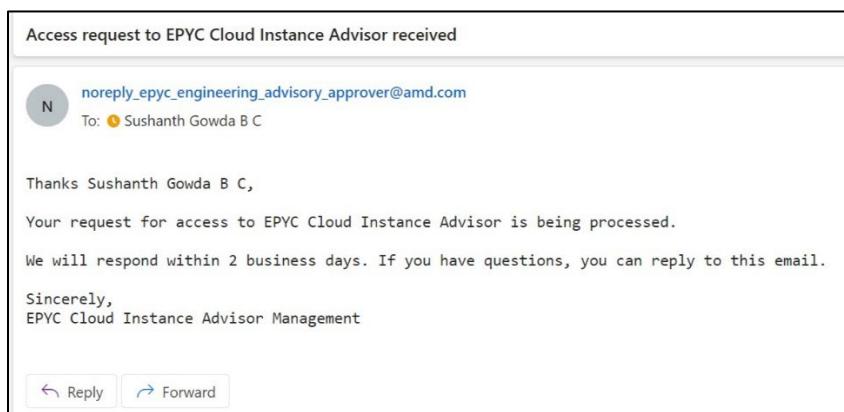
By typing my name in the box above, I agree and am authorized to agree on behalf of the entity listed above, to the terms and conditions, in the Notice of Non-Disclosure Agreement, for which terms and conditions may be reviewed, downloaded and printed from the link provided.

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.

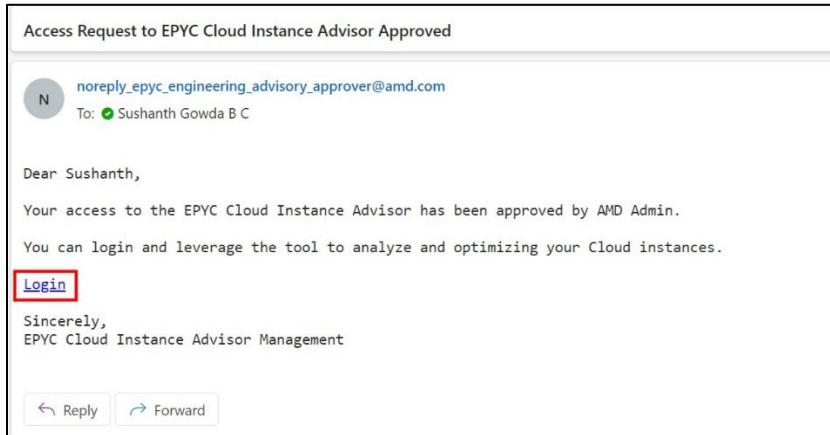
- A Thank you message will appear, confirming that your access request has been received.



- 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

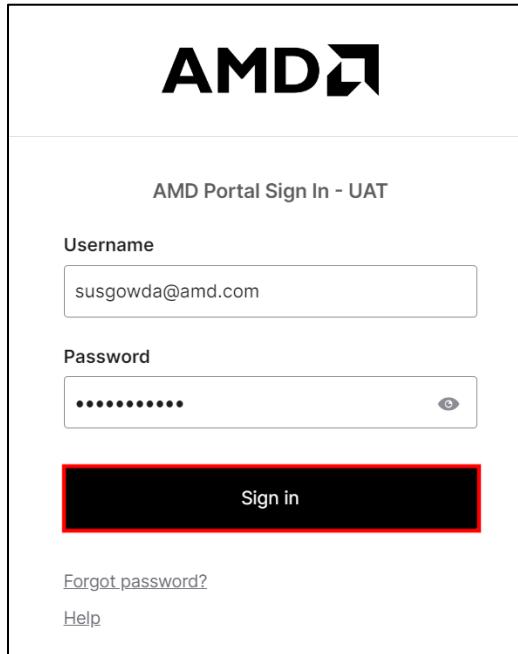
Login through AMD EPYC Advisory Portal

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

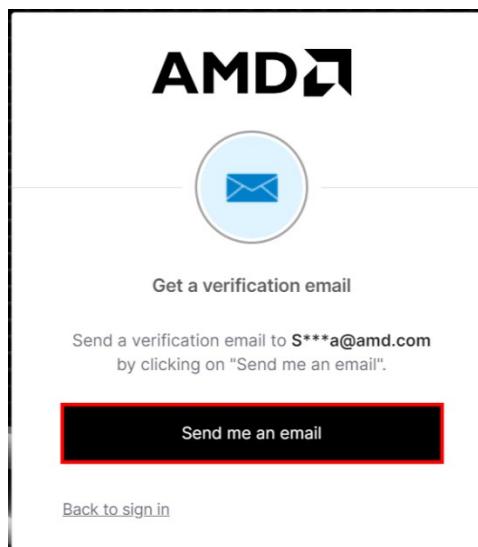
- Enter your email address and password.
- Click **Sign-in**.



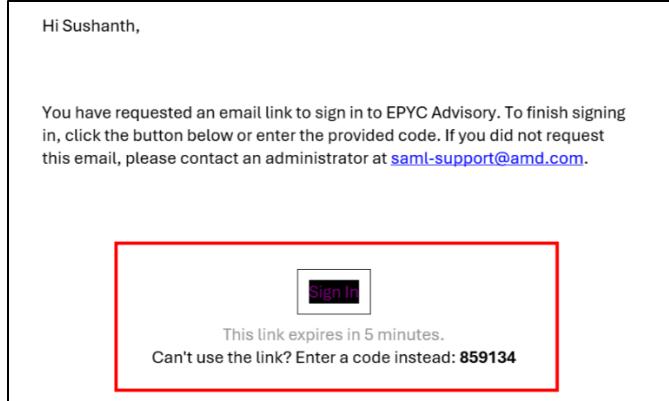
The image shows the AMD Portal Sign In - UAT page. It features the AMD logo at the top. Below it is the text "AMD Portal Sign In - UAT". There are two input fields: "Username" containing "susgowda@amd.com" and "Password" containing a series of dots. A "Sign in" button is at the bottom, highlighted with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

Step 3: Verify Your Email

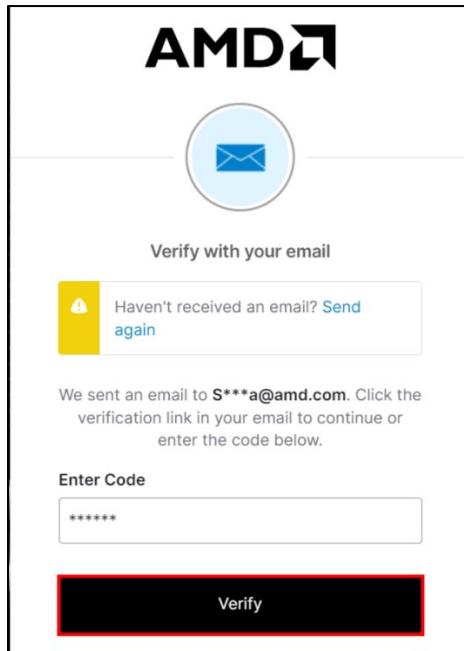
- Click **Send me an email** to receive a verification code.



- 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.

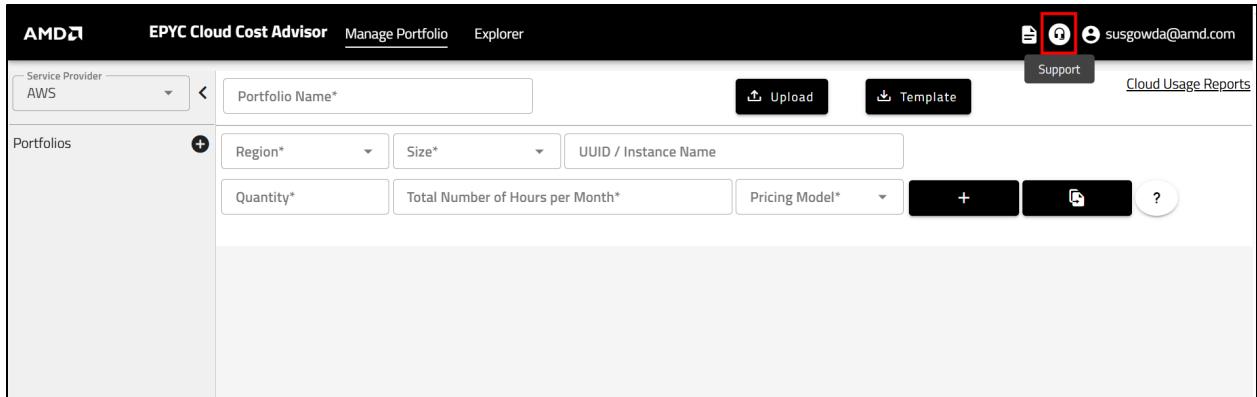
The screenshot shows the AMD Cloud Cost Advisor interface. At the top, there's a navigation bar with the AMD logo, the title "EPYC Cloud Cost Advisor", and tabs for "Manage Portfolio" (which is underlined) and "Explorer". On the right side of the header, there are user icons and the email "susgowda@amd.com". Below the header, there's a section titled "Portfolios" with a "Service Provider" dropdown set to "AWS". There are input fields for "Portfolio Name*", "Region*", "Size*", "UUID / Instance Name", "Quantity*", "Total Number of Hours per Month*", and "Pricing Model*". To the right of these fields are buttons for "Upload", "Template", and "Cloud Usage Reports". A large empty area below these fields is likely a placeholder for portfolio details or a chart.

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 with the "Manage Portfolio" tab selected. The "Release Notes" button at the top right is highlighted with a red box. The rest of the interface, including the portfolios section and other buttons, remains the same.

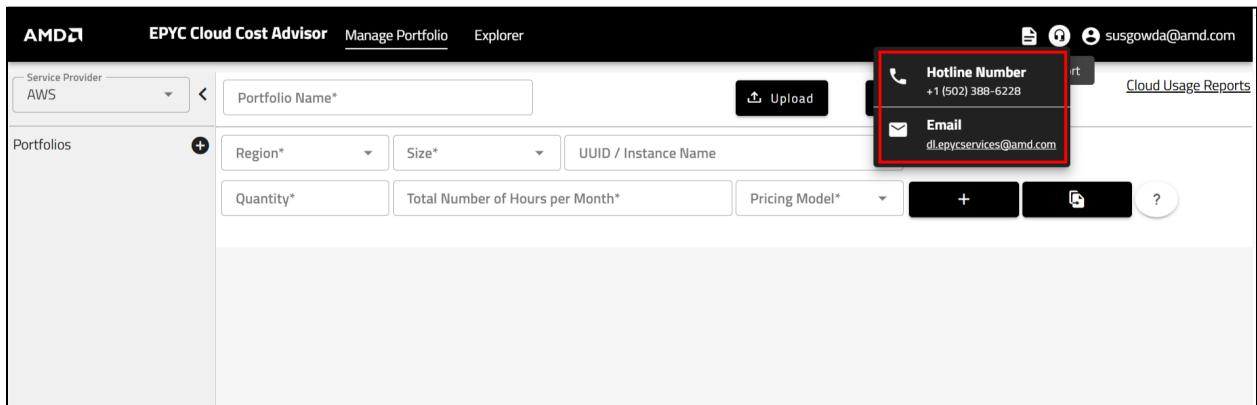
- Support:** Represented by the “” icon. If you need assistance or have any questions, click on the support icon to reach out for help.



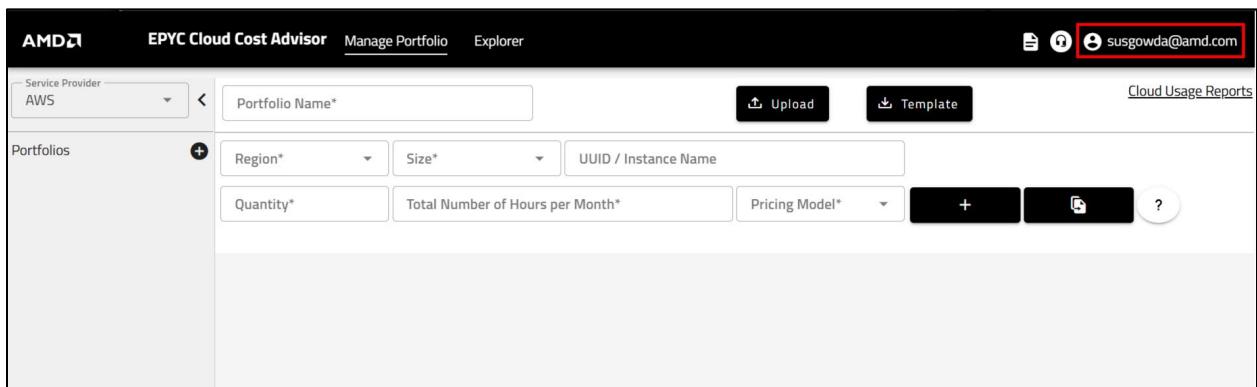
You can contact us through the hotline number or email us with your query:

Hotline number: +1 (502) 388-6228

Email: dl.epycservices@amd.com



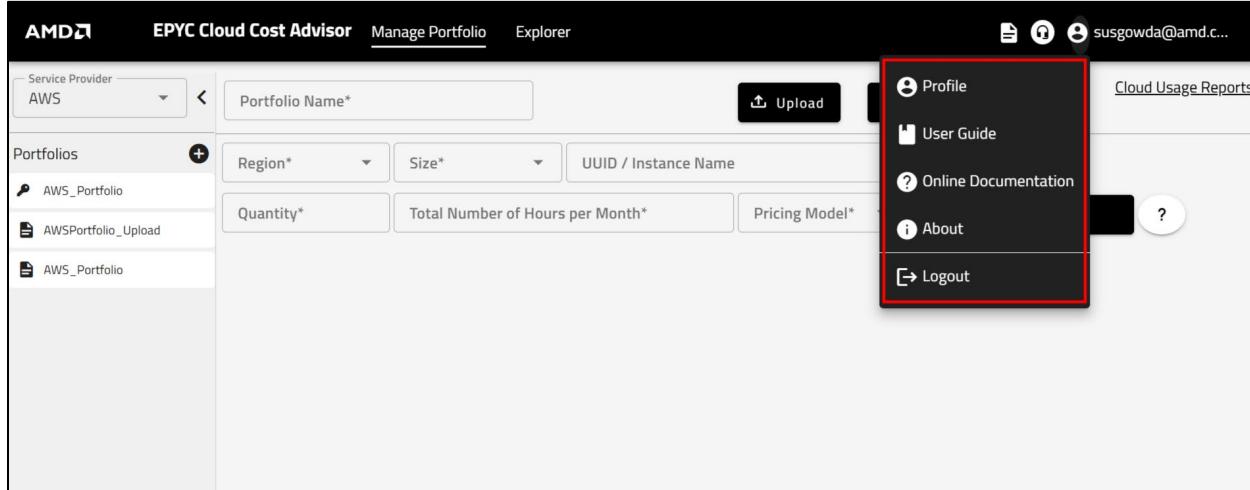
- ▶ **Profile:** Displays the email ID of the logged-in user.



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.

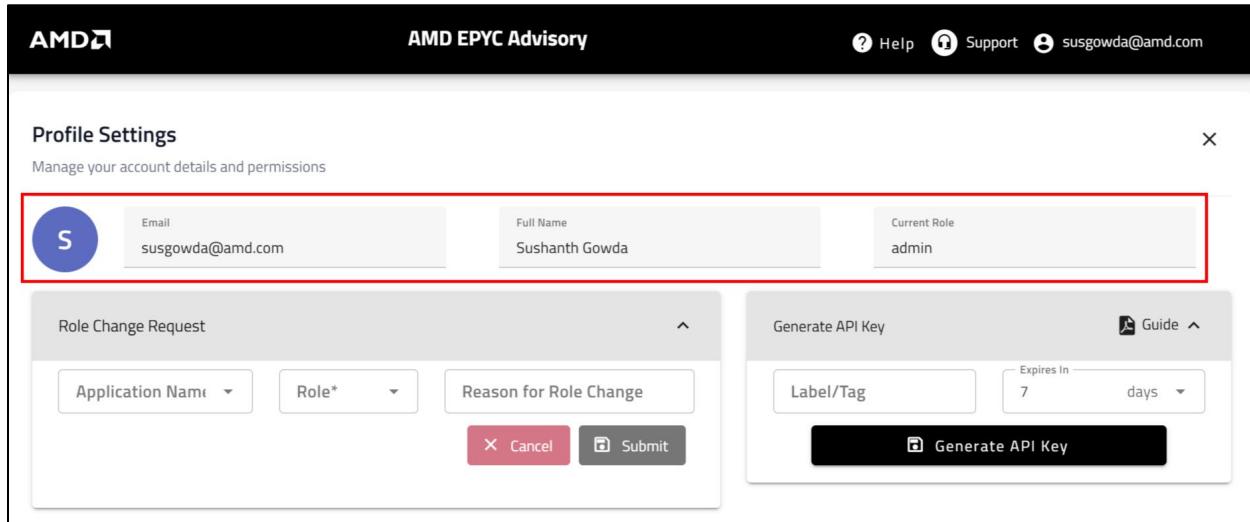
- **Online Documentation:** Represented by the “?” icon, offers on-screen instructions and information about the current page.
- **About:** Click the “ ⓘ” icon to view an overview of the application
- **Logout:** To log out, click the icon and select the "Logout" option.



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.

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 links for Help, Support, and a user email (susgowda@amd.com). Below the navigation is the 'Profile Settings' section, which includes fields for Email (susgowda@amd.com), Full Name (Sushanth Gowda), and Current Role (admin). The main focus is the 'Role Change Request' form, which is highlighted with a red box. It contains dropdowns for 'Application Name' (set to 'EPYC Cloud Cost ...'), 'Role' (set to 'Manager'), and 'Reason for Role Change' (set to 'Requesting Role Change as ...'). There are also fields for 'Role Description' (set to 'All Access') and two buttons: 'Cancel' and 'Submit'. To the right of the 'Role Change Request' form is another panel for generating an API key, which includes fields for 'Label/Tag' and 'Expires In' (set to 7 days), and a 'Generate API Key' button.

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

This screenshot is similar to the previous one, showing the AMD EPYC Advisory Profile Settings page. The 'Role Change Request' form is displayed with its fields filled out. The 'Submit' button at the bottom of the form is now highlighted with a red box, indicating it has been selected. The rest of the interface, including the user profile information and the adjacent API key generation panel, remains the same.

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

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 links for Help, Support, and email (susgowda@amd.com). Below the navigation is a section titled "Profile Settings" with the sub-instruction "Manage your account details and permissions". This section includes fields for "Email" (susgowda@amd.com), "Full Name" (Sushanth Gowda), and "Current Role" (admin). There are two main functional areas: "Role Change Request" and "Generate API Key". The "Role Change Request" area contains fields for "Application Name*", "Role*", and "Reason for Role Change", along with "Cancel" and "Submit" buttons. It also displays a table of role change requests with columns: Username, Application, Email, Current Role, Requested Role, Requested Date, and Actions. A single row is shown for "Sushanth Gowda" with "CCA" as the application, "susgowda@amd.com" as the email, "admin" as the current role, and "Manager" as the requested role. The "Requested Date" is "May 26, 2025 12:41 PM". The "Actions" column for this row has a red box around it. Below the table are dropdowns for "Items per page" (set to 10) and a navigation bar (1-1 of 1). The "Generate API Key" area has fields for "Label/Tag" and "Expires In" (set to 7 days), with a "Generate API Key" button. A "Guide" link 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 similar to the one above, showing the AMD EPYC Advisory Profile Settings page. The "Generate API Key" section is highlighted with a red box. The "Label/Tag" field is empty, and the "Expires In" dropdown is set to "7 days". The "Generate API Key" button is visible below these fields.

To generate an API Key:

- Under the **Generate API Key** section:

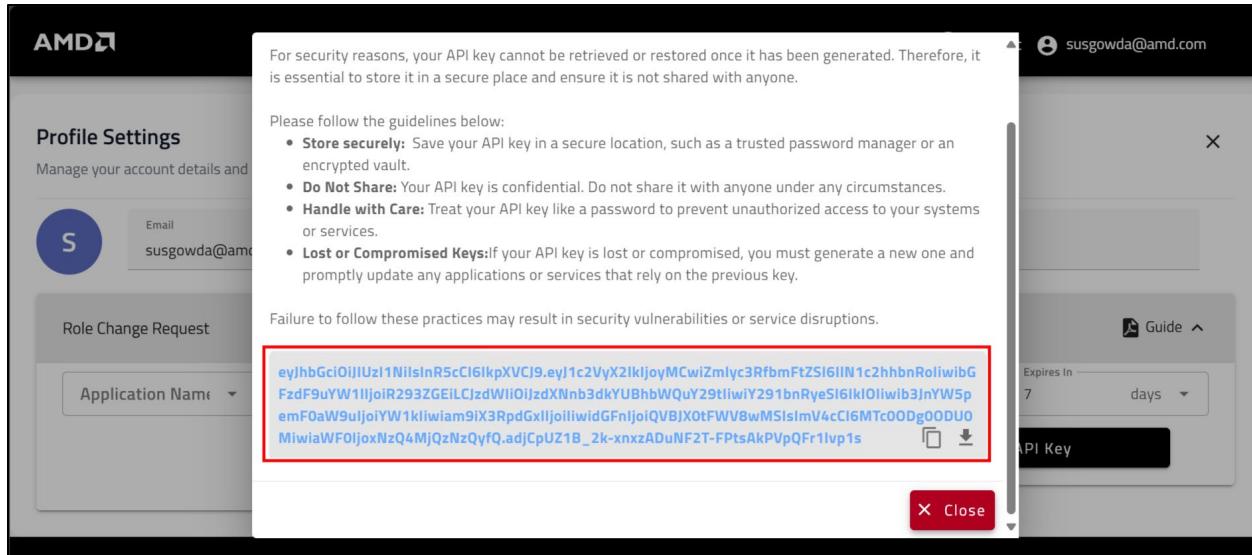
- Label/Tag:** Enter a custom label to help identify your API key (e.g., “test-key” or “automation-script-1”).
- Expires In:** Select a validity duration for the API key—options typically include 7, 15, or 30 days.

The screenshot shows the AMD EPYC Advisory interface. At the top, there's a navigation bar with the AMD logo, the title "AMD EPYC Advisory", and links for Help, Support, and logging in with the email "susgowda@amd.com". Below the navigation is a "Profile Settings" header with the sub-instruction "Manage your account details and permissions". On the left, there's a user profile icon with a letter "S" and sections for "Email" (susgowda@amd.com), "Full Name" (Sushanth Gowda), and "Current Role" (admin). To the right, there are two main sections: "Role Change Request" and "Generate API Key". The "Generate API Key" section is highlighted with a red box around its input fields. It contains fields for "Label/Tag" (API_KEY_01) and "Expires In" (7 days). A "Generate API Key" button is at the bottom of this section.

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

This screenshot is similar to the previous one but shows the "Generate API Key" button from the previous step has been clicked. The "Generate API Key" button is now highlighted with a red box. The rest of the interface remains the same, showing the "Profile Settings" header, user profile information, and the "Role Change Request" and "Generate API Key" sections.

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



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.
- Your generated API keys will be listed in a table showing:
 - Label/Tag
 - Creation Date
 - Expiration Date

The screenshot shows the AMD EPYC Cloud Cost Advisor interface. On the left, there's a 'Profile Settings' section with a user icon and email 'susgowda@amd.com'. In the center, a 'Role Change Request' form is visible. On the right, a 'Generate API Key' section contains a table listing the generated API key. The table has columns: Tag, Created Date, Expiry Date, and Actions. One row is shown: 'API_KEY_01' with 'May 26th, 2025, 12:45 PM' and 'Jun 2nd, 2025, 12:45 PM'. A red box highlights this table.

Tag	Created Date	Expiry Date	Actions
API_KEY_01	May 26th, 2025, 12:45 PM	Jun 2nd, 2025, 12:45 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.

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. At the top, there's a navigation bar with the AMD logo, "AMD EPYC Advisory", "Help", "Support", and an email link. Below the navigation is a "Profile Settings" section titled "Manage your account details and permissions". It includes fields for "Email" (susgowda@amd.com), "Full Name" (Sushanth Gowda), and "Current Role" (admin). There are two main panels: "Role Change Request" and "Generate API Key". The "Generate API Key" panel has a "Guide" button highlighted with a red box. Below it is a table showing an API key entry:

Tag	Created Date	Expiry Date	Actions
API_KEY_01	May 26th, 2025, 12:45 PM	Jun 2nd, 2025, 12:45 PM	

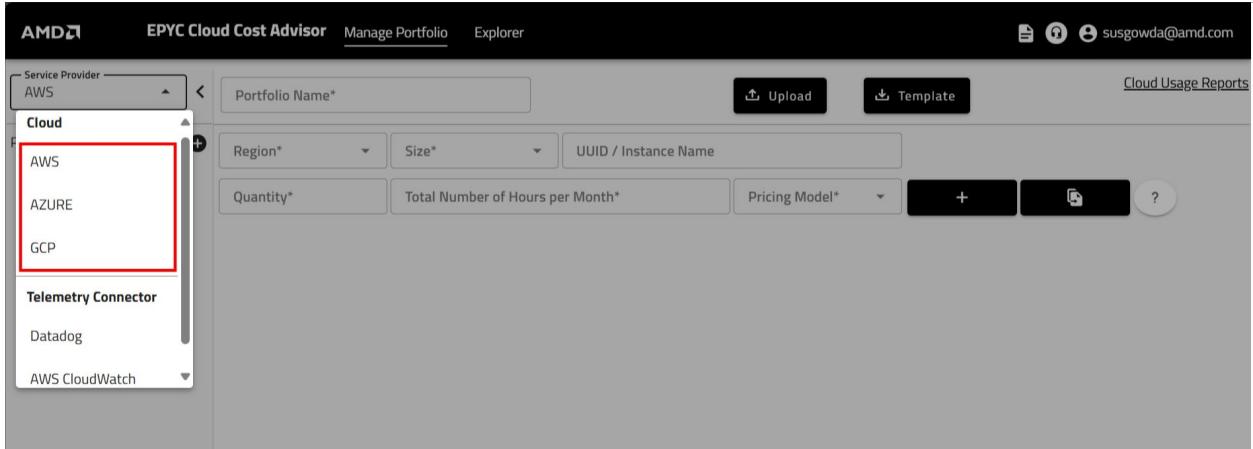
Manage Portfolio

- ▶ 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 and reserved).

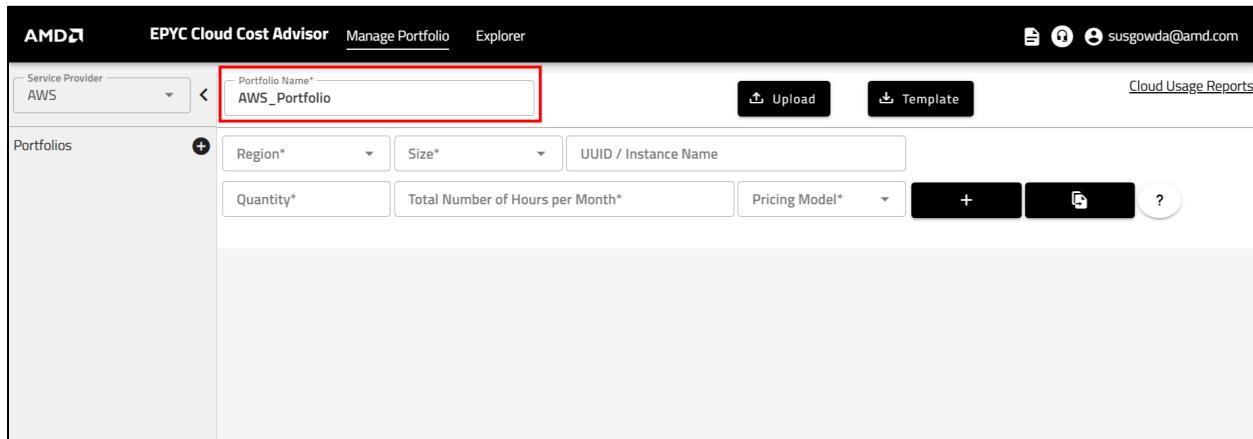
The screenshot shows the EPYC Cloud Cost Advisor interface with the "Manage Portfolio" tab selected. The top navigation bar includes the AMD logo, "EPYC Cloud Cost Advisor", "Manage Portfolio" (highlighted with a red box), "Explorer", "Help", "Support", and an email link. Below the navigation is a "Service Provider" dropdown set to "AWS". The main area is titled "Portfolios" and contains fields for "Region*", "Size*", "UUID / Instance Name", "Quantity*", "Total Number of Hours per Month*", and "Pricing Model*". There are also "Upload" and "Template" buttons, and a "+" button to add new entries.

Adding Instances Individually

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



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.

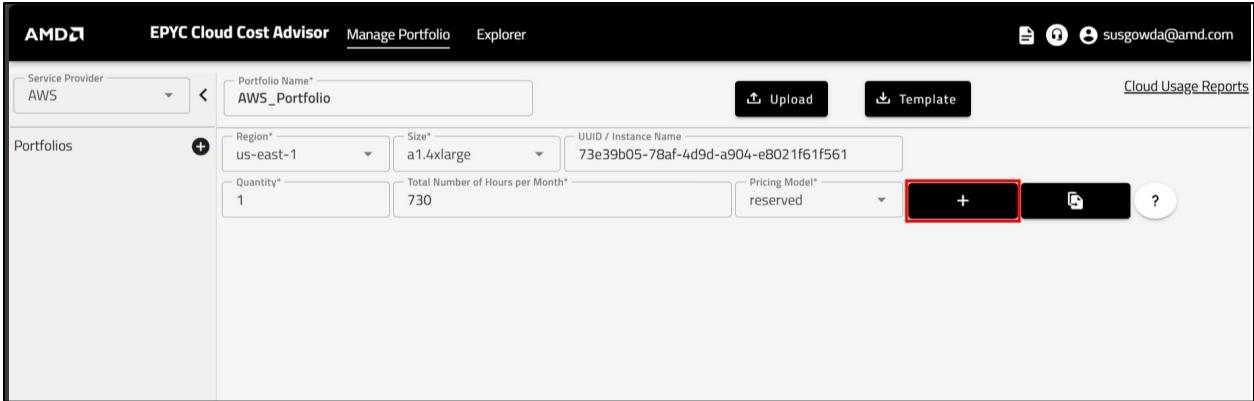
- In **AWS**, size refers to EC2 instance types like t2.micro, m5.large, m7i.large etc.
- In **Azure**, size refers to VM types such as Standard_B1s, Standard_D2s_v3, Standard_E2s_v3 etc.

- 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.

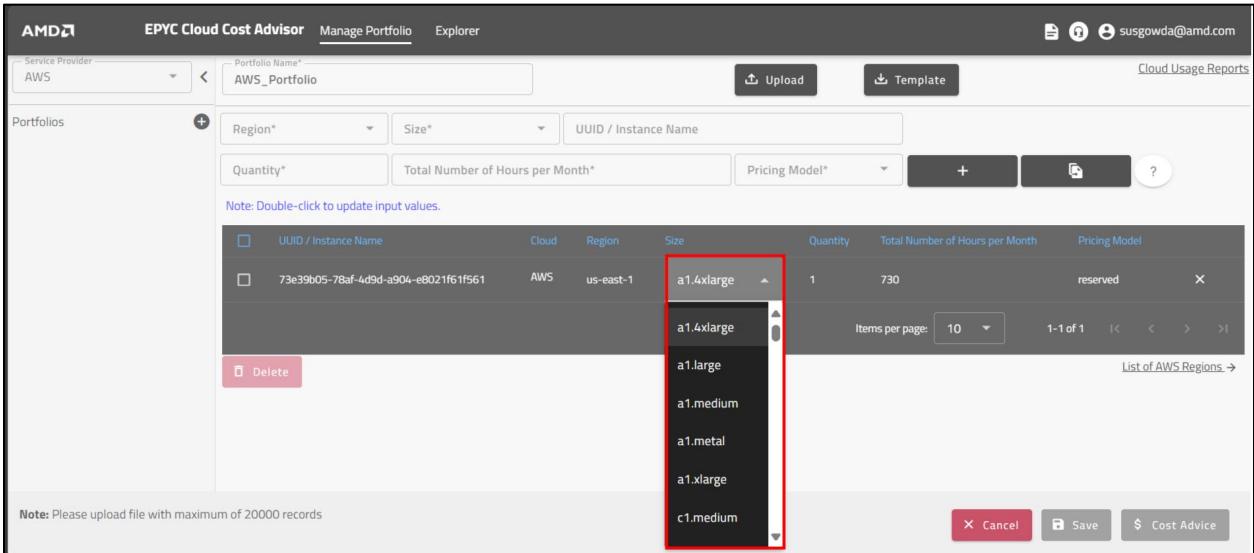
Note: Cloud service providers (CSPs) offer spot instances at discounted rates, but pricing is dynamic and depends on current demand and capacity. Availability is not guaranteed, and instances can be reclaimed by the CSP at any time for workloads that can handle interruptions.

The screenshot shows the AMD EPYC Cloud Cost Advisor web application. At the top, there are tabs for 'Manage Portfolio' and 'Explorer'. On the left, a sidebar shows 'Portfolios' with a '+' button. The main area has fields for 'Service Provider' (set to AWS), 'Portfolio Name' (set to 'AWS_Portfolio'), 'Region' (set to 'us-east-1'), 'Size' (set to 'a1.4xlarge'), 'UUID / Instance Name' (set to '73e39b05-78af-4d9d-a904-e8021f61f561'), 'Quantity' (set to '1'), and 'Total Number of Hours per Month' (set to '730'). Below 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 the 'Pricing Model' dropdown menu.

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



- 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.



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

Similarly, when you select Azure or GCP as your cloud provider, click "**List of Azure Regions**" or "**List of GCP Regions**" to explore the supported Azure or GCP regions and instances.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. At the top, there are dropdown menus for 'Service Provider' (set to AWS) and 'Portfolio Name' (set to 'AWS_Portfolio'). Below these are input fields for 'Region*', 'Size*', 'UUID / Instance Name', 'Quantity*', 'Total Number of Hours per Month*', and 'Pricing Model*'. 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, a note says 'Note: Please upload file with maximum of 20000 records'. On the right, there are buttons for 'Delete' (red box), 'Cancel', 'Save' (red box), and 'Cost Advice'.

- Click “**Save**” to save the portfolio with the instance details.

This screenshot is identical to the previous one, showing the 'Manage Portfolio' page with the same instance entry. The 'Save' button at the bottom is highlighted with a red box.

- 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. A portfolio named 'AWS_Portfolio' is selected. The interface includes fields for Region, Size, UUID / Instance Name, Quantity, Total Number of Hours per Month, and Pricing Model. A table displays the instance details, showing one entry for an a1.4xlarge instance in us-east-1 with a total of 730 hours per month. Buttons for 'Delete' and 'Save' are visible at the bottom.

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
73e39b05-78af-4d9d-a904-e9021f61f561	AWS	us-east-1	a1.4xlarge	1	730	reserved

Uploading Instances in Bulk

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

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. The 'Template' button is highlighted with a red box. The interface includes fields for Service Provider (set to AWS), Portfolio Name, Region, Size, UUID / Instance Name, Quantity, Total Number of Hours per Month, and Pricing Model. A note at the bottom says 'Note: Please upload file with maximum of 20000 records'.

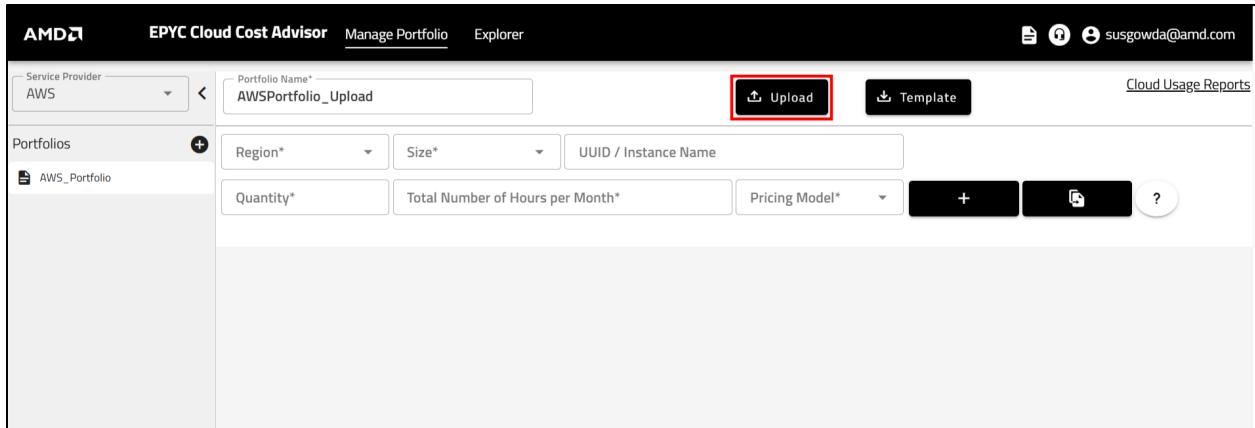
3. Fill in the template with instance details such as:
 - Cloud:** Specify the cloud service provider for instance, such as AWS, Azure, or GCP.
 - Region:** The geographic location where your cloud resources, such as virtual machines or instances, are hosted.
 - In **AWS**, examples of regions include 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.
 - 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.

5. Click on “Upload” button.



6. 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.

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

The screenshot shows the 'EPYC Cloud Cost Advisor' interface after an upload. The 'Manage Portfolio' tab is selected. The 'Upload' button now says 'Portfolio Te...xlsx'. The table below shows instance details. An error message at the top right says 'Note: Double-click to update input values. Errors: 2 Fix the errors → Save portfolio → Obtain cost advice.' A red box highlights an error for the 'db.t3.medium' instance: 'db.t3.medium is invalid' and 'Instance type is required'. The table includes columns for 'UUID / Instance Name', 'Cloud', 'Region', 'Size', 'Quantity', 'Total Number of Hours per Month', and 'Pricing Model'. Buttons at the bottom include 'Delete Error Records', 'Delete', '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 db.t3.medium is invalid Instance type is required	1	730	ondemand
73e39b05-78af-4d9d-a904-e8021f61f561	AWS	ap-south-1	c5.12xlarge	1	730	ondemand
2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	a1.2xlarge	1	730	reserved
00dbdde6-56bf-4f62-8bd7-de71f6dfbc1f	AWS	eu-central-1		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 menu lists several instance types: db.t3.medium, a1.2xlarge, a1.4xlarge, a1.large, a1.medium, a1.meta, and a1.xlarge. The 'db.t3.medium' option is currently selected. The table below shows four rows of portfolio items with various instance types and quantities.

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaafcb5-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

- 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.

- Click on Find & Replace.

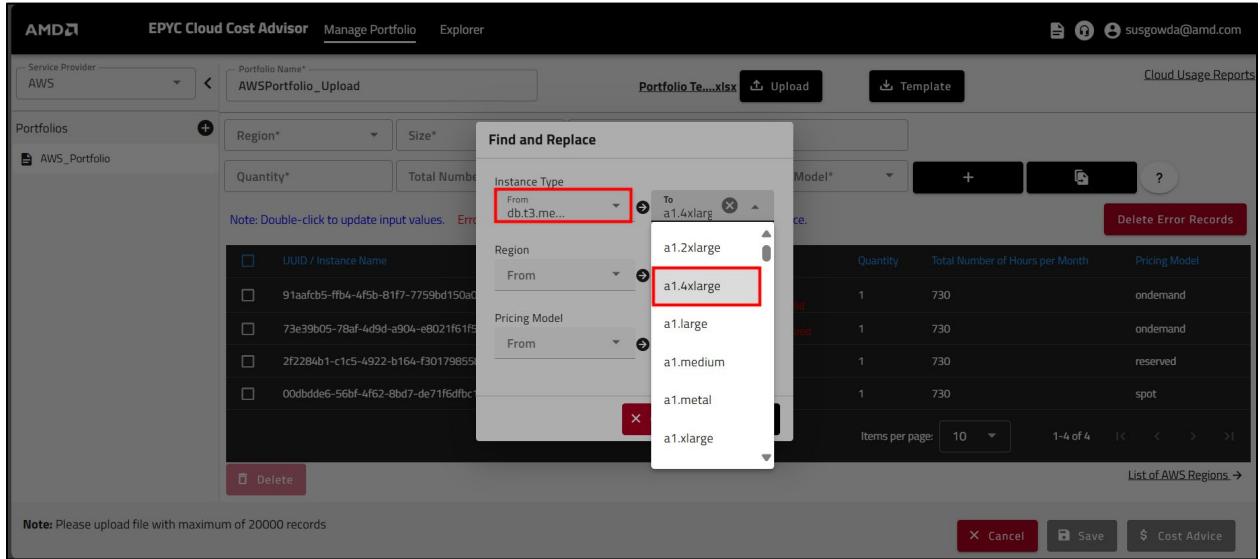
The screenshot shows the 'Manage Portfolio' section with the 'Find & Replace' button highlighted. A note at the top right indicates 'Cloud Usage Reports'. The table shows four rows of portfolio items. The first row's 'Size' field contains the error message 'db.t3.medium is invalid'. The 'Find & Replace' feature has been used to change the 'From' instance type to 'c5.12xlarge' and the 'To' instance type to 'a1.2xlarge'. The table footer shows the updated instance type 'a1.2xlarge' for the first row.

UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
91aaafcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	db.t3.medium is invalid	1	730	ondemand
73e39b05-78af-4d9d-a904-e8021f61f561	AWS	ap-south-1	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

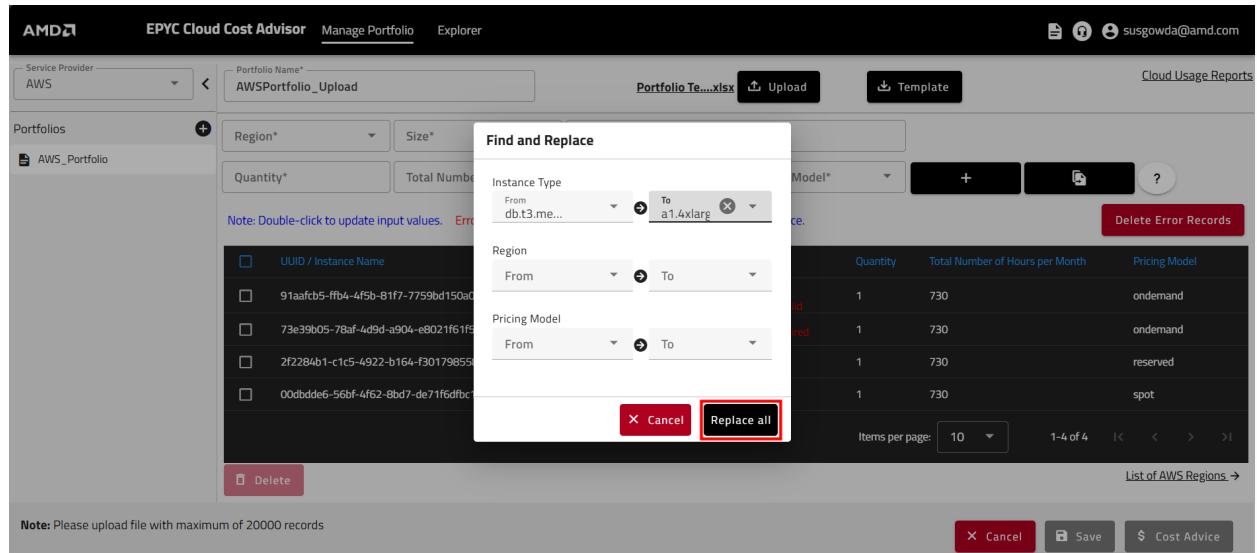
- Find and replace the values as needed:

- 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.

- c) **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.



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



4. 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. At the top, there's a dropdown for 'Service Provider' set to 'AWS', a 'Portfolio Name' input field containing 'AWSPortfolio_Upload', and a file upload area for 'Portfolio Template'. Below this is a table with columns: 'UUID / Instance Name', 'Cloud', 'Region', 'Size', 'Quantity', 'Total Number of Hours per Month', and 'Pricing Model'. There are four rows of data. At the bottom of the table, there are buttons for 'Delete' and 'Save'. A note at the bottom left says 'Note: Please upload file with maximum of 20000 records'. On the right side, there are buttons for 'Cancel', 'Save', and '\$ Cost Advice'.

- 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.

This screenshot shows the same 'Manage Portfolio' interface as the previous one, but with a modal dialog box overlaid. The dialog is titled 'Confirm Delete Error Records?' and contains the text 'Are you sure you want to delete?'. It has two buttons: 'Cancel' and 'Delete', with 'Delete' being highlighted by a red box. The background table and other UI elements are dimmed.

- Click "Save" to apply changes.

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. At the top, there's a dropdown for 'Service Provider' set to 'AWS', a 'Portfolio Name' input field containing 'AWSPortfolio_Upload', and a file upload area with 'Portfolio Te...xlsx' and 'Upload' and 'Template' buttons. On the right, there's a link to 'Cloud Usage Reports'. Below this, a table lists three AWS instances with their details: Region, Size, Quantity, Total Number of Hours per Month, and Pricing Model. At the bottom, there are buttons for 'Delete' (highlighted), 'Cancel', 'Save' (highlighted), 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	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

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

This screenshot is identical to the one above, but the 'AWSPortfolio_Upload' entry is now highlighted in the 'Portfolios' list on the left side, indicating it has been successfully saved.

User Actions

Remove Unsaved Instances

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

The screenshot shows the EPYC Cloud Cost Advisor interface. At the top, there's a header with the AMD logo, the title "EPYC Cloud Cost Advisor", and navigation links for "Manage Portfolio" and "Explorer". On the right, there are icons for user profile and email (susgowda@amd.com). Below the header, there's a search bar for "Portfolio Name" with "AWSPortfolio_Upl" typed in, and buttons for "Upload" and "Template". A "Cloud Usage Reports" link is also visible.

The main area is titled "Portfolios" with a "+ Add" button. It shows a list of portfolios: "AWSPortfolio_Upl" (selected) and "AWS_Portfolio". There are filters for "Region*", "Size*", and "UUID / Instance Name", and input fields for "Quantity*" and "Total Number of Hours per Month*". A "Pricing Model*" dropdown and a "+" button are also present.

A note at the bottom says "Note: Double-click to update input values." Below this is a table listing instance details:

	UUID / Instance Name	Cloud	Region	Size	Quantity	Total Number of Hours per Month	Pricing Model
<input type="checkbox"/>	a40d0e58-867c-425c-bc03-6ab7839b351c	AWS	af-south-1	c5.24xlarge	1	730	ondemand
<input type="checkbox"/>	91aaefcb5-ffb4-4f5b-81f7-7759bd150a08	AWS	eu-west-1	a1.4xlarge	1	730	ondemand
<input type="checkbox"/>	2f2284b1-c1c5-4922-b164-f301798558c0	AWS	sa-east-1	c5.12xlarge	1	730	reserved
<input type="checkbox"/>	00dbdde6-56bf-4f62-8bd7-de71f6dfbc1f	AWS	eu-central-1	a1.2xlarge	1	730	spot

At the bottom, there are buttons for "Delete" (red), "Cancel" (white), "Delete Portfolio" (red), "Save" (black), and "Cost Advice" (gray).

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

This screenshot is similar to the previous one, showing the "Manage Portfolio" screen for AWS. The "AWSPortfolio_Upl" portfolio is selected. A confirmation dialog box titled "Unsaved Changes" appears in the center, asking "Are you sure you want to discard changes?". It has "No" and "Yes" buttons, with "Yes" highlighted in red.

The main table of instance details is visible below the dialog, showing the same four instances as the previous screenshot.

At the bottom, there are buttons for "Delete" (red), "Cancel" (white), "Delete Portfolio" (red), "Save" (black), and "Cost Advice" (gray).

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. The portfolio name is 'AWSPortfolio_Upload'. The table displays three entries:

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

Note: Double-click to update input values.

Delete

Note: Please upload file with maximum of 20000 records

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

The screenshot shows the 'Manage Portfolio' section of the EPYC Cloud Cost Advisor. The portfolio name is 'AWSPortfolio_Upload'. A confirmation dialog box is displayed over the table:

Confirm Delete Portfolio

Are you sure you want to delete this Portfolio?

The table below shows the same three instances as the previous screenshot.

Note: Please upload file with maximum of 20000 records

Delete Instances

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

The screenshot shows the EPYC Cloud Cost Advisor interface. In the 'Manage Portfolio' section, a table displays three AWS instances. The second instance, with the UUID '2f2284b1-c1c5-4922-b164-f301798558c0', has its checkbox checked and highlighted with a red box. Below the table is a red button labeled 'Delete(2)'.

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

The screenshot shows the EPYC Cloud Cost Advisor interface with a 'Confirm Delete' dialog box. The dialog asks 'Are you sure you want to delete 2 instances?' with 'Cancel' and 'Delete' buttons. The 'Delete' button is highlighted with a red box.

Add Portfolio

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

The screenshot shows the EPYC Cloud Cost Advisor interface. A red box highlights the '+' button in the 'Portfolios' section. The table below is empty.

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 red box highlighting the "Cloud Usage Reports" button. The dashboard includes fields for Service Provider (set to AWS), Portfolio Name, Region, Size, UUID / Instance Name, Quantity, Total Number of Hours per Month, Pricing Model, and a "Cloud Usage Reports" button.

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 (Access ID and Access Secret, both masked with dots). A red box highlights the "Secrets" section. The dialog also has a "Region" dropdown set to "us-east-1".

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*: (redacted)
- Client Secret*: (redacted)
- Subscription ID*: abcdef-01-2345-6780abcdefgfd
- Tenant ID*: abcdef-01-2345-6780abcdefgfd
- Region: australiasoutheast

c) GCP:

- Portfolio Name:** Enter the name for this portfolio.
- Client ID and Client Email:** Provide the credentials required to connect to your cloud account.
- Project ID:** Enter the Project ID associated with your GCP account.
- Private Key:** Enter the Private key linked to your GCP account.
- 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*: (redacted)
- Client Email*: (redacted)
- Project ID*: (redacted)
- Region: us-east1

Private key*

```
-----BEGIN PRIVATE KEY-----  
[REDACTED]
```

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

AMD EPYC Cloud Cost Advisor Manage Portfolio Explorer

Service Provider: AWS

Portfolios: AWSPortfolio_Upload, AWS_Portfolio

Portfolio Name*: AWS_Portfolio

Secrets:

- Access ID*: [REDACTED]
- Access Secret*: [REDACTED]
- 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

Test Reset Cancel Save

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

AMD EPYC Cloud Cost Advisor Manage Portfolio Explorer

Service Provider: AWS

Portfolios: AWSPortfolio_Upload, AWS_Portfolio

Portfolio Name*: AWS_Portfolio

Secrets:

- Access ID*: [REDACTED]
- Access Secret*: [REDACTED]
- 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

AWS Connection successful CLOSE

Test Reset Cancel Save

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

Service Provider — AWS

Portfolios +

AWSPortfolio_Upload

AWS_Portfolio

Portfolio Name* 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

Reset Test Cancel Save

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

Service Provider — AWS

Portfolios +

AWSPortfolio_Upload

AWS_Portfolio

Portfolio Name* 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

Reset 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

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

UUID / Instance Name	Region	Size	Quantity	No. of Hours	Pricing Model
f44960dc-6143-491e-aa2b-8f354448fa56	us-east-1	m7a.2xlarge	1	730	ondemand
1b41001b-2b98-4f6f-9bd7-b555f8051049	us-east-1	m6a.2xlarge	1	730	ondemand
f51bbdc0-e4e9-4170-96cd-0e050239d4c2	us-east-1	m5d.4xlarge	1	730	ondemand
02a5020b-2cf7-48ed-9aa7-8d6ce34fea9d	us-east-1	c7a.large	1	730	ondemand
2e9336e3-8ccb-4583-8d12-5a3d46c61cd0	us-east-1	t3a.xlarge	1	730	ondemand
98017ae6-3357-434b-acdb-ec9c07b4db88	us-east-1	c6a.xlarge	1	730	ondemand
5e2ab7f9-2791-4881-bf44-b3b146499b34	us-east-1	c7a.large	1	730	ondemand

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

UUID / Instance Name	Region	Size	Quantity	No. of Hours	Pricing Model
test-eia-carbon	us-east-1	m7a.2xlarge	1	730	ondemand
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
new_hpc	us-east-1	m7a.xlarge	1	730	ondemand
cca - prod (cca-prod.amd.com)	us-east-1	m7a.xlarge	1	730	ondemand

Items per page: 10 1-10 of 11 < > >>

List of AWS Regions →

Delete Portfolio

10. A confirmation popup will appear. Click “Delete” to proceed.

The screenshot shows the 'List of Instances' page for AWS. A modal window titled 'Confirm Delete Portfolio' is open, asking 'Are you sure you want to delete this Portfolio?'. The 'Delete' button is highlighted with a red border. The main table lists various AWS instances across different regions and sizes.

UUID / Instance Name	Region	Size	Quantity	No. of Hours	Pricing Model
f64960dc-6143-491e-aa2b-8f354448fa56	us-east-1	m7a.2xlarge	1	730	ondemand
1b41001b-2d98-4f6f-9dd7-b555fb051049	us-east-1	m6a.2xlarge	1	730	ondemand
f51bbcd0-e4e9-4170-96cd-0e050239d4c2	us-east-1	m5d.4xlarge	1	730	ondemand
02a5020b-2cf7-48d7-9aa7-8d6ce34fea9d	us-east-1	c7a.large	1	730	ondemand
2e9336e3-8ccb-4583-8d12-5a3d46c61cd0	us-east-1	t3a.small	1	730	ondemand
980174e0-3357-434b-aedb-ec9c07b4dbc8			1	730	ondemand
5e2ab7f9-2791-4881-bf44-b3b146499b34			1	730	ondemand
120b15d3-b54f-433a-9681-af5f697285f8			1	730	ondemand
fe2b378d-c9ea-47b7-9d25-e60017ffd73f	us-east-1	c6a.xlarge	1	730	ondemand
32e1a25d-6f38-4c2b-a530-6412941697ec	us-east-1	t3.large	1	730	ondemand

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

The screenshot shows the 'List of Instances' page for AWS. The main table lists various AWS instances across different regions and sizes. At the bottom, there is a navigation bar with buttons for 'Cancel', 'Delete Portfolio', 'Refresh', and 'Cost Advise'.

UUID / Instance Name	Region	Size	Quantity	No. of Hours	Pricing Model
test-eia-carbon	us-east-1	m7a.2xlarge	1	730	ondemand
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
new_hpc	us-east-1	m7a.xlarge	1	730	ondemand
cca - prod (cca-prod.amd.com)	us-east-1	m7a.xlarge	1	730	ondemand

Telemetry Connector

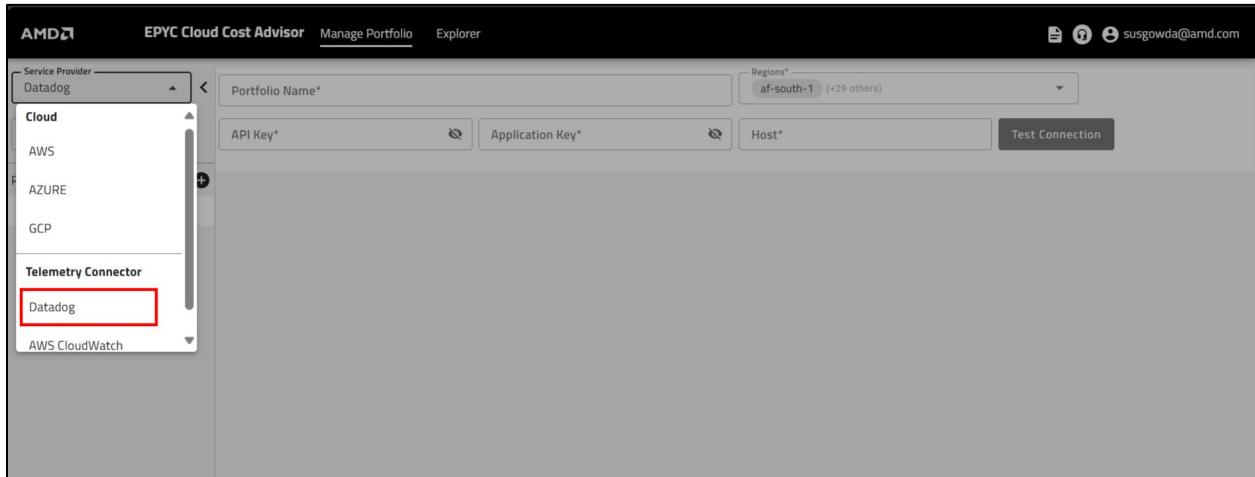
The **Telemetry Connector** option allows you to link your monitoring service - such as **Datadog** or **AWS CloudWatch** - to automatically discover and add instances being monitored through telemetry data.

Add Instances via Datadog

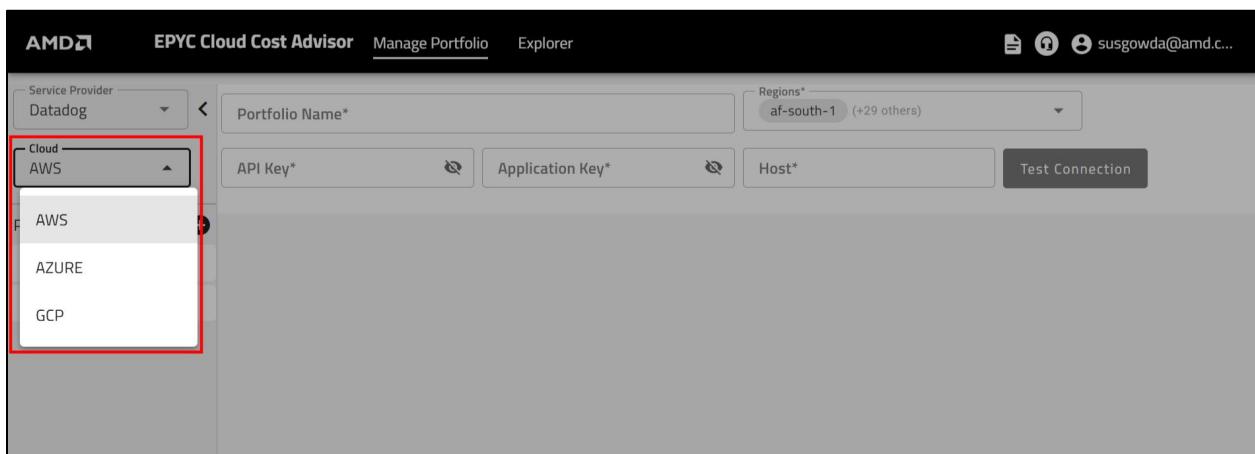
With the Telemetry Connector option, you can link your Datadog account by providing your **API Key**, **Application Key** and **Host**. The platform will authenticate your Datadog account and retrieve the instances that are already being monitored through Datadog's telemetry data.

To add instance via Datadog:

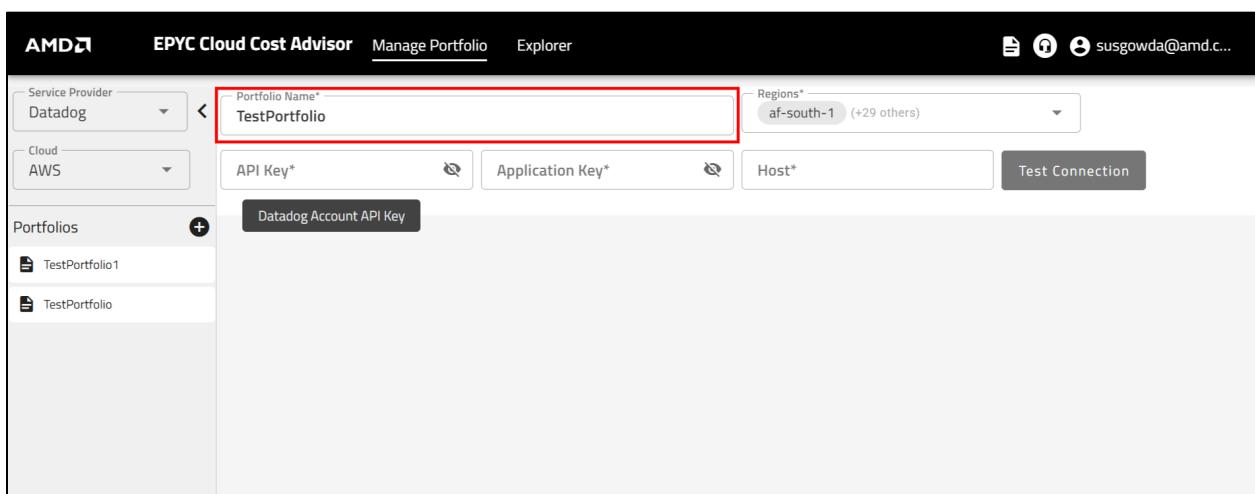
- From the service provider dropdown, select **Datadog**.



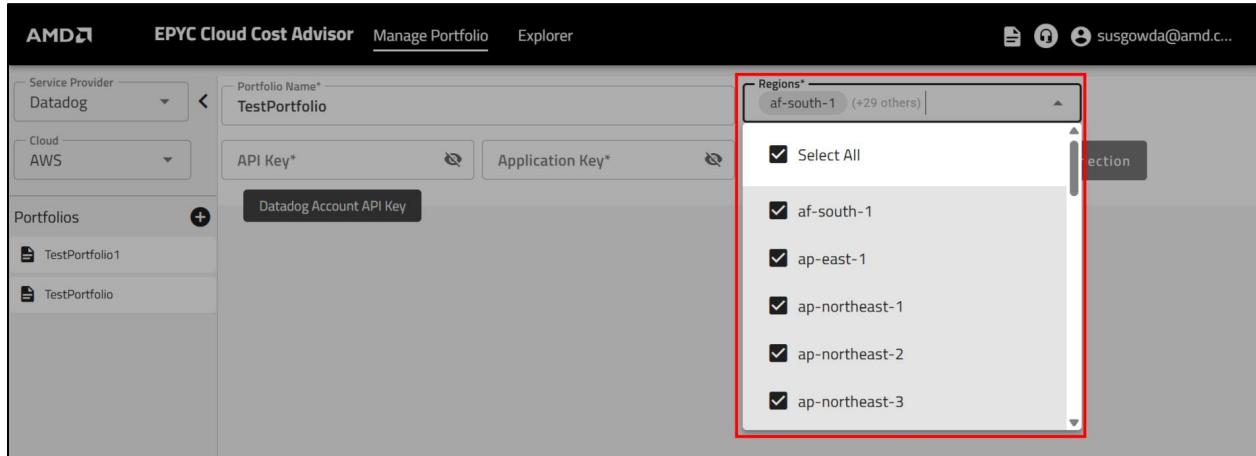
- Select **Cloud** (AWS, Azure, or GCP).



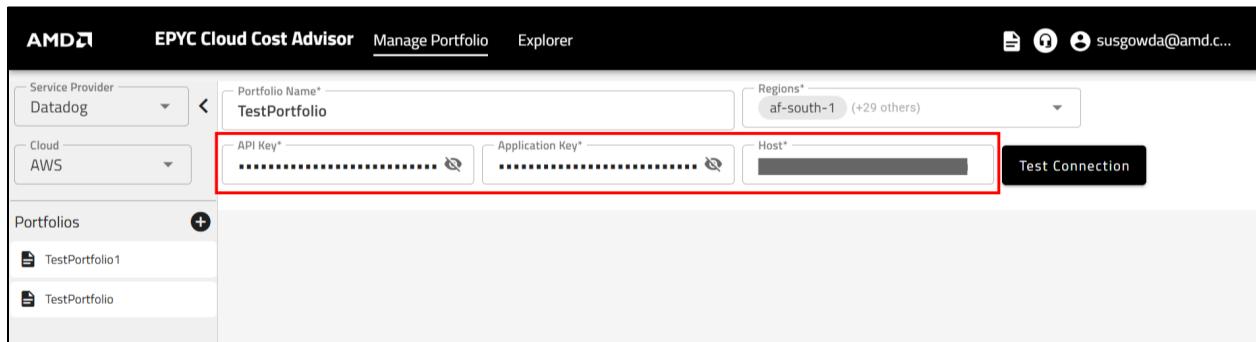
- Provide a name for your portfolio.



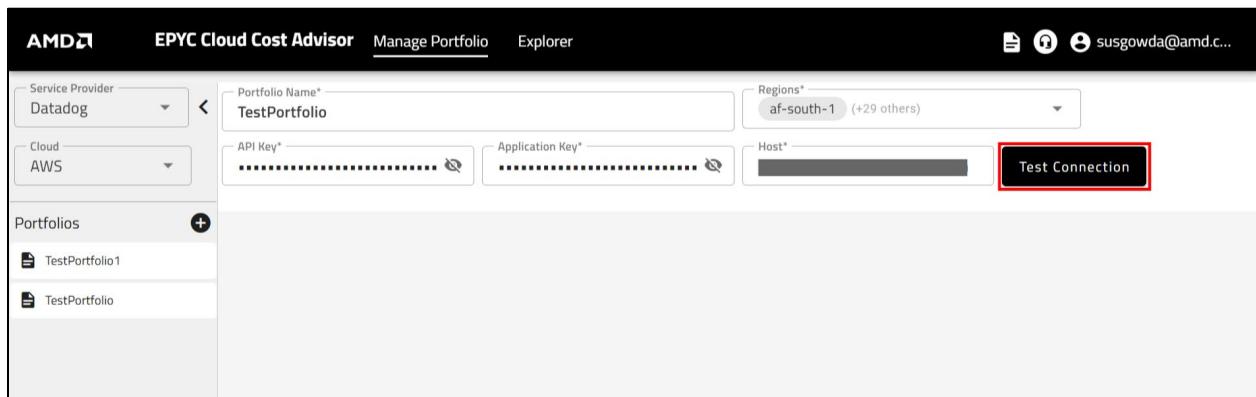
4. Select the **Region**. By default, all applicable regions will be selected, but you can edit this to choose only the specific regions needed.



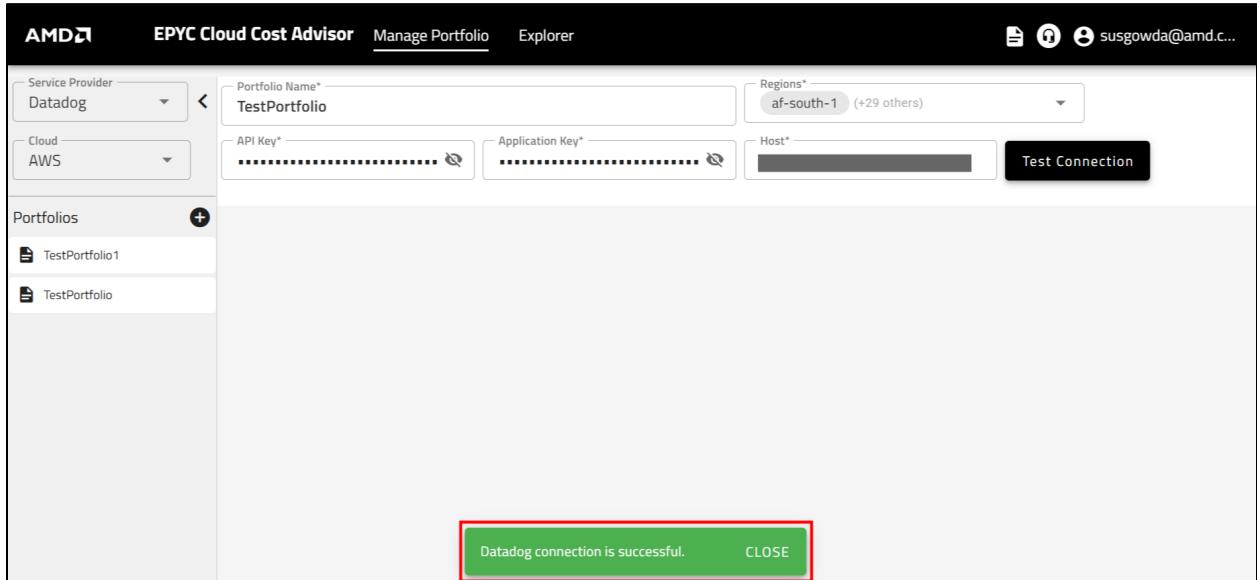
5. Enter the details below:
- API Key**: your Datadog **API Key** to authenticate the connection.
 - Application Key**: Provide your Datadog **Application Key** for secure access to your telemetry data.
 - Host**: Input the **Host** associated with your Datadog account.



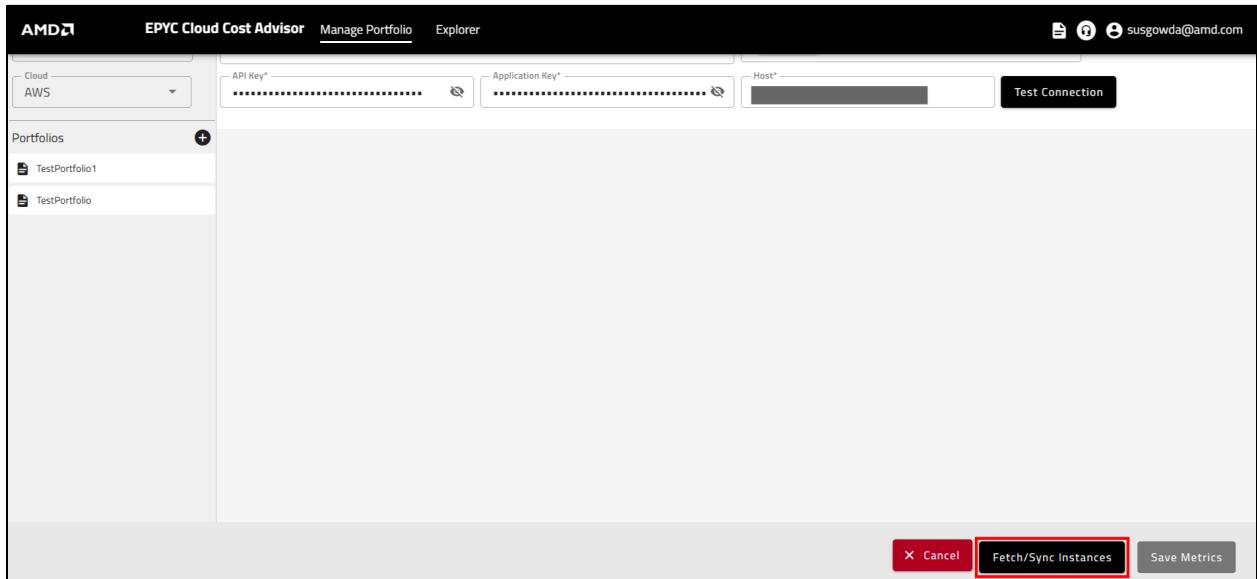
6. Click **Test Connection** to verify the connection.



- 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 'Portfolios' and two entries: 'TestPortfolio1' and 'TestPortfolio'. The main area has a search bar with fields for 'API Key*', 'Application Key*', and 'Host*'. Below the search is a table with columns: 'Instance ID', 'Instance Name', 'Instance Type', and 'Region'. Two rows are shown: one for 'TestPortfolio1' and another for 'i-0b803b697b0d1b831' which is associated with 'datadogteam', 'm5.2xlarge', and 'us-west-2'. At the bottom 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, but the 'Save Metrics' button at the bottom is highlighted with a red box, indicating it has been clicked. The rest of the interface remains the same, showing the list of instances and the navigation elements.

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

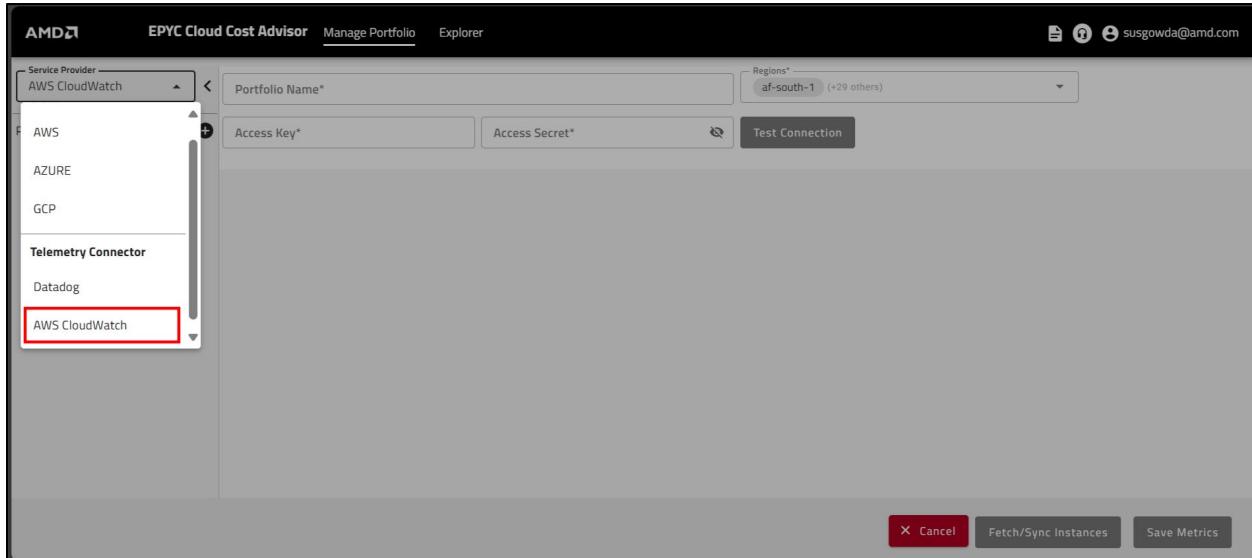
The screenshot shows the 'List of Instances' table. The left sidebar now shows 'Portfolios' with 'TestPortfolio' highlighted by a red box. The table has columns: 'UUID / Instance Name', 'Region', 'Size', 'Quantity', 'Total Number of Hours per Month', and 'Pricing Model'. One row is present: 'datadogteam' in 'us-west-2' with size 'm5.2xlarge', quantity '1', total hours '726.9', and pricing model 'ondemand'. Navigation buttons at the bottom include 'Cancel', 'Fetch/Sync Instances', and 'Save Metrics'.

Add Instances via AWS CloudWatch

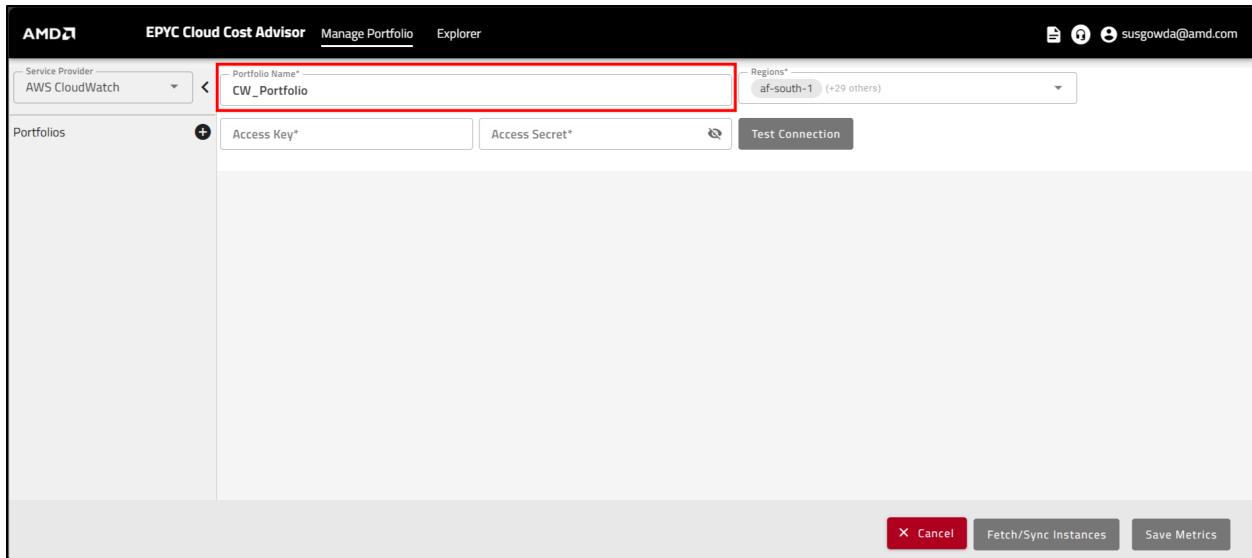
With the Telemetry Connector option, you can link your **AWS CloudWatch** account by providing your **AWS Access Key** and **Access Secret**. The platform will authenticate your AWS credentials and retrieve the instances that are already being monitored through CloudWatch telemetry data.

To add instance via AWS CloudWatch:

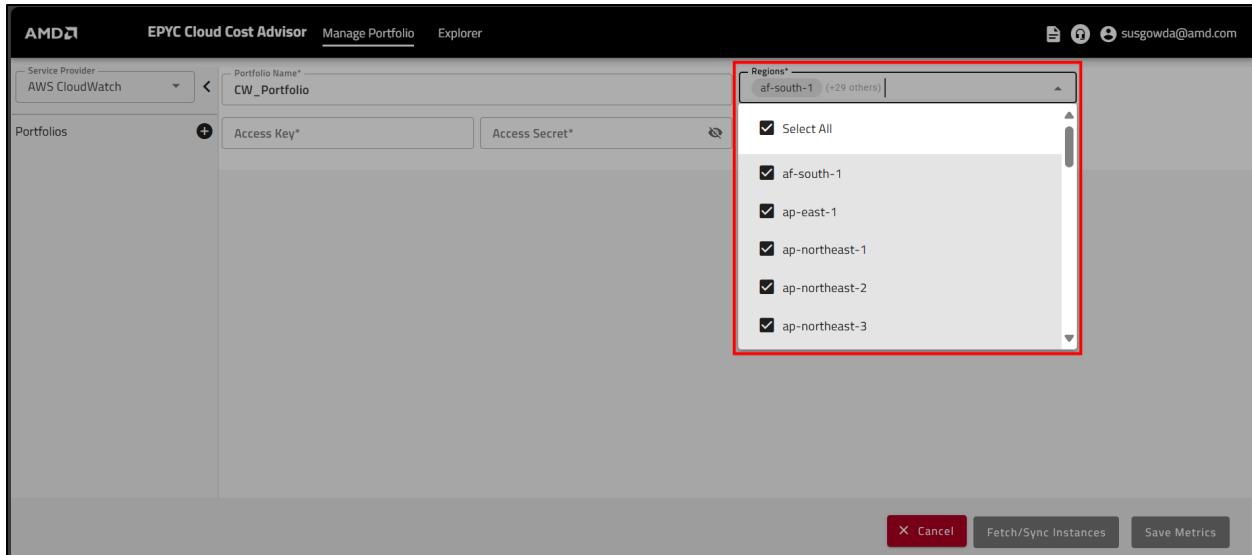
- From the service provider dropdown, select **AWS CloudWatch**.



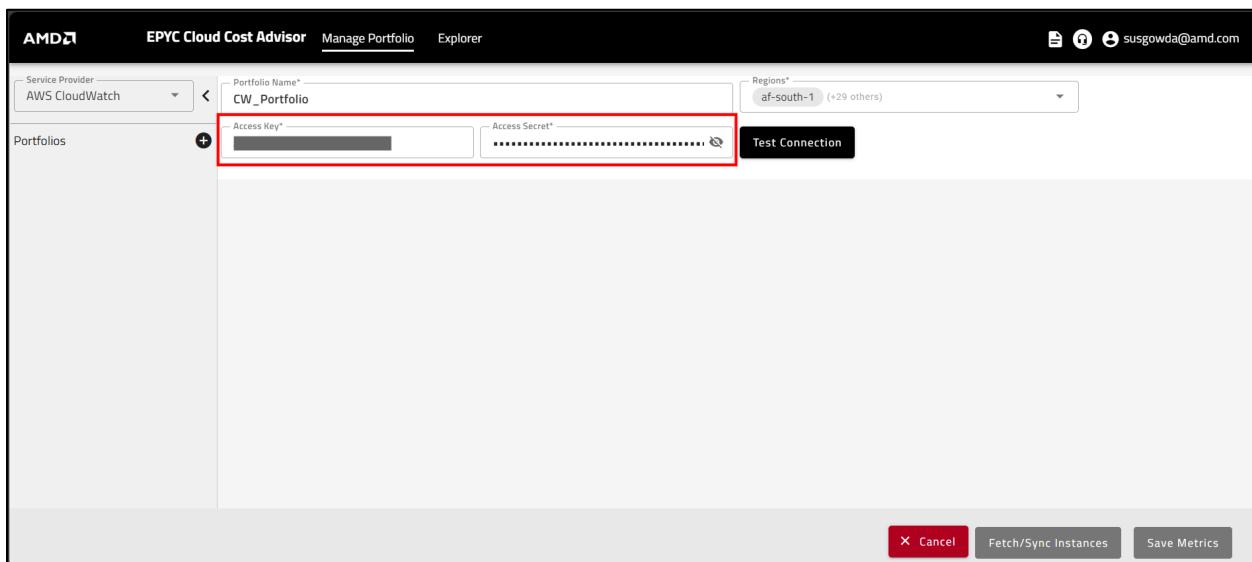
- Provide a name for your portfolio.



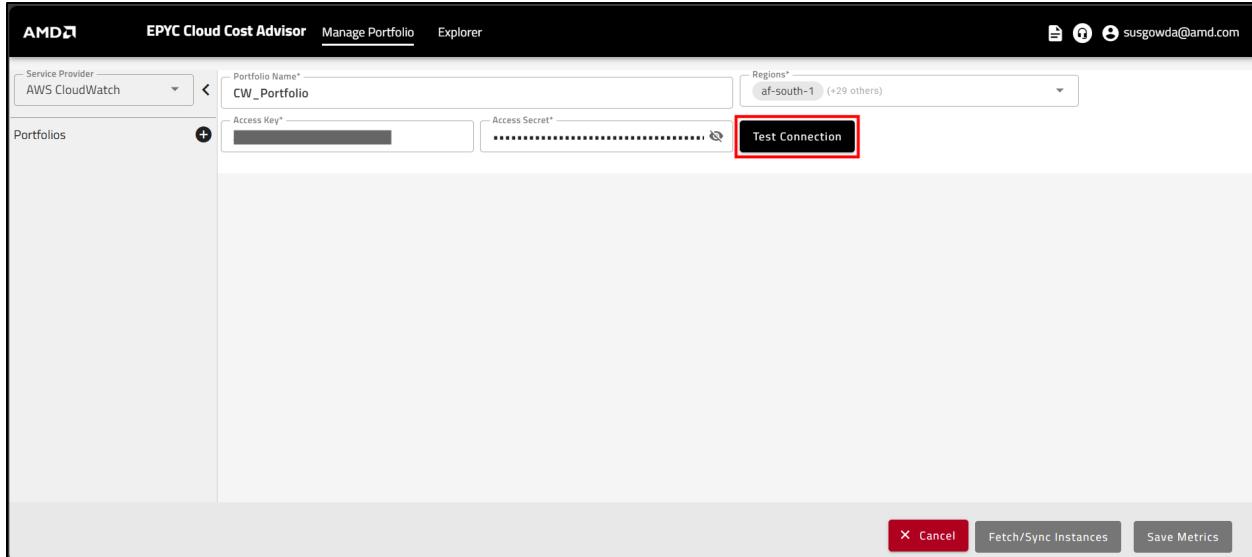
- Select the **Region**. By default, all applicable regions will be selected, but you can edit this to choose only the specific regions needed.



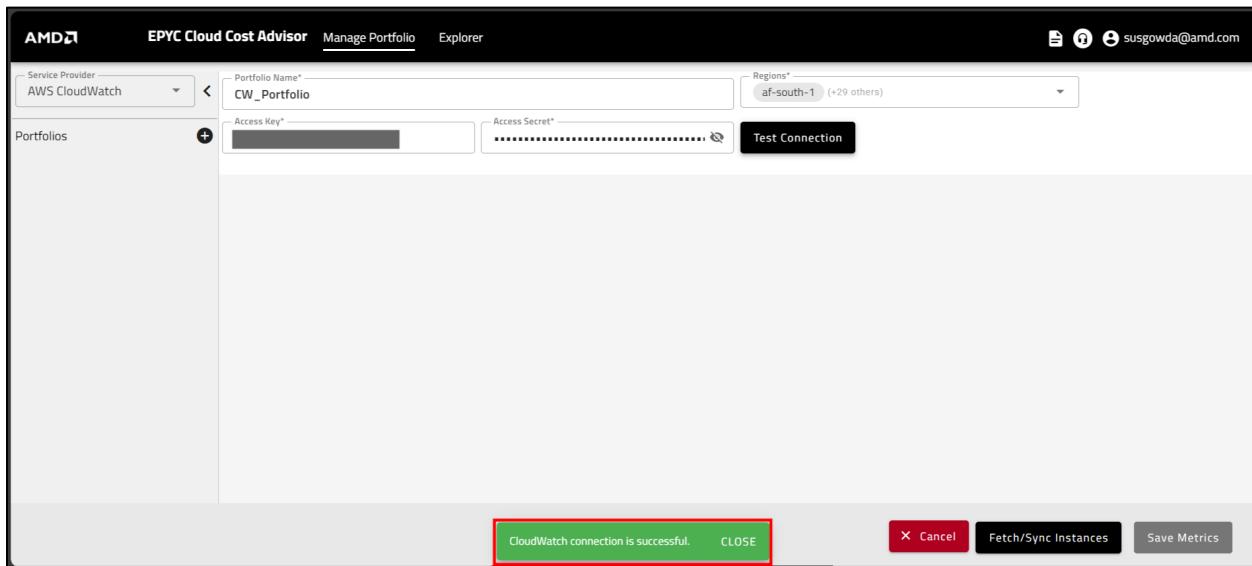
4. Enter the details below:
 - a) **Access Key**: your AWS Access Key to authenticate the connection.
 - b) **Access Secret**: Provide your AWS Access Secret for secure access to your telemetry data.



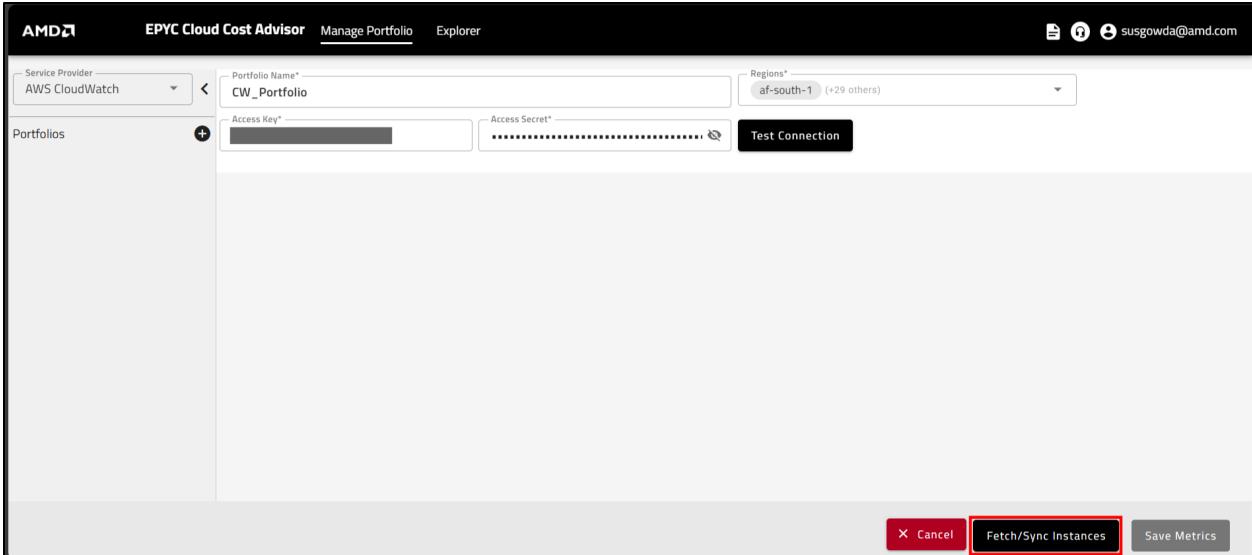
5. Click **Test Connection** to verify the connection.



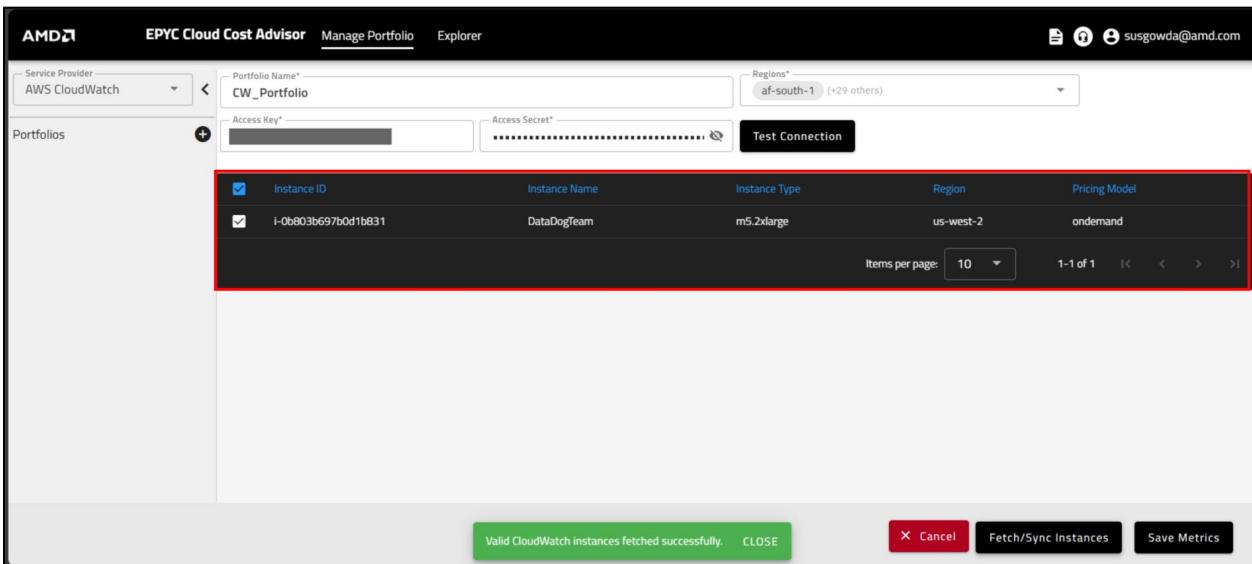
- Once the connection is successful, a confirmation message “CloudWatch connection is successful” will appear.



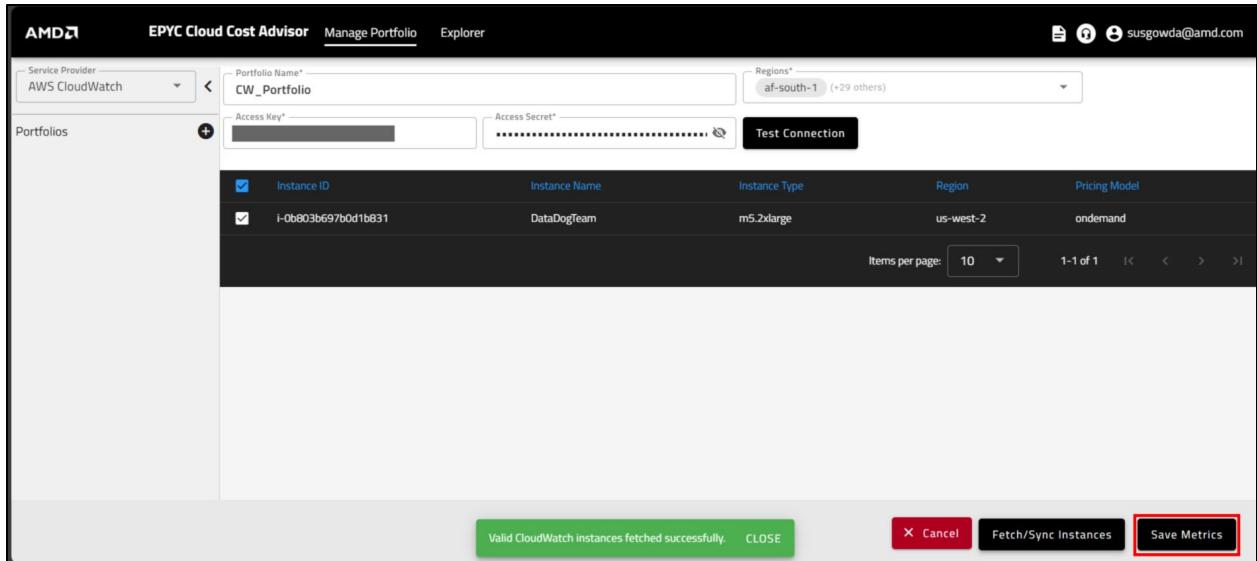
- Click on **Fetch/Sync Instances** to retrieve all the instances that are linked to your CloudWatch telemetry account.



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



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

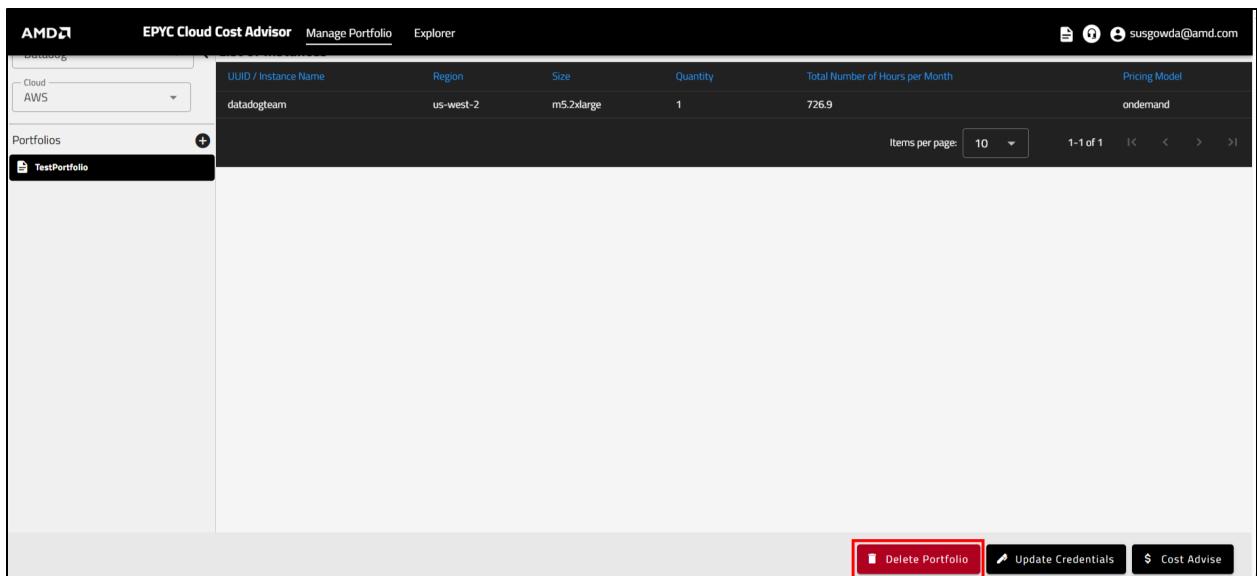


10. After saving, you can view the added portfolio in the portfolios list on the left side of the page.

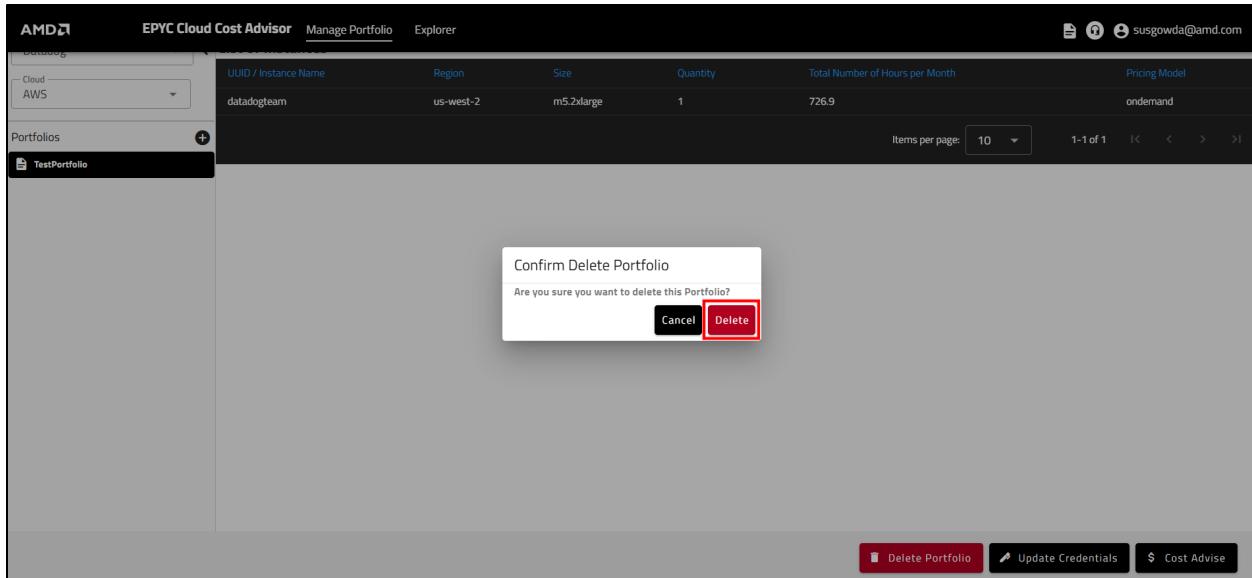
Note: Once the telemetry portfolio is saved, you will no longer be able to update or modify account credentials such as Access Key and Access Secret. These fields will become read-only).

User Actions for Telemetry Connector Portfolios

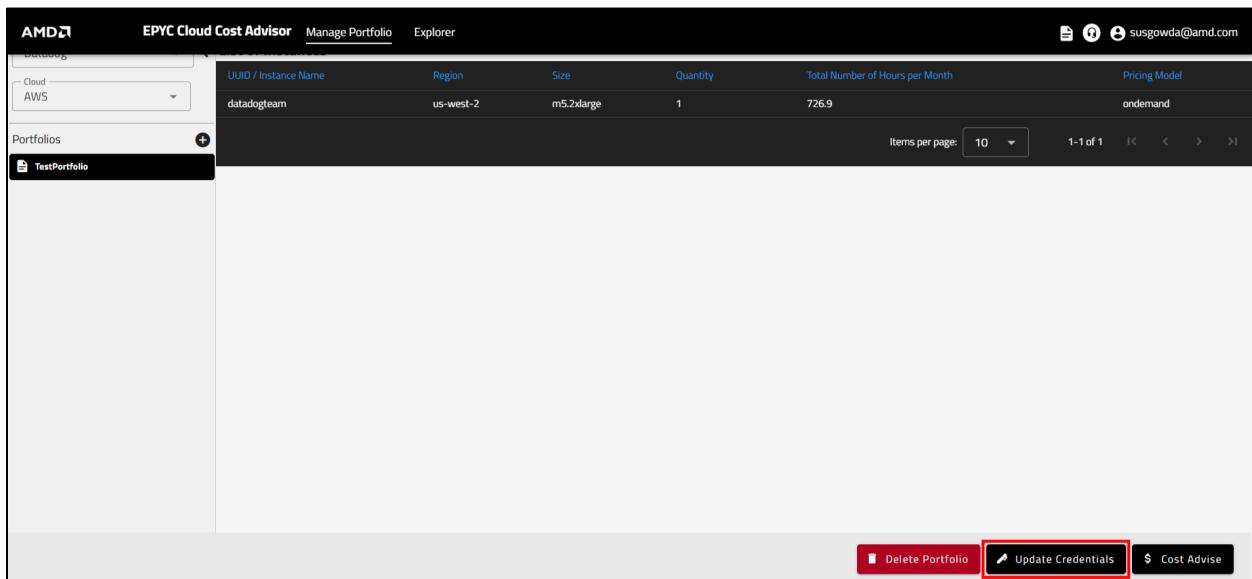
- **Delete Portfolio:**
 - If you wish to delete the portfolio, select the portfolio and click on “**Delete Portfolio**”.



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

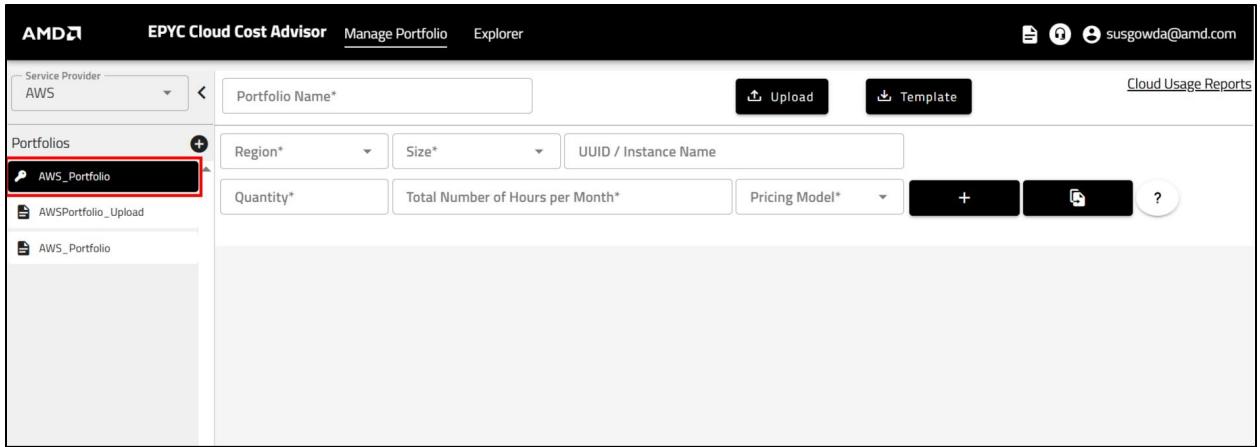


- **Update Credentials:** To update the portfolio credentials, click on “**Update Credentials**”.



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."

The screenshot shows the 'List of Instances' page. The top navigation is identical to the previous screenshot. The main content is a table titled 'List of Instances' with columns: 'UUID / Instance Name', 'Region', 'Size', 'Quantity', 'No. of Hours', and 'Pricing Model'. The table lists various instances from different regions and sizes, all with an 'ondemand' pricing model. At the bottom of the table, there are pagination controls ('Items per page: 10', '1-10 of 15') and a link 'List of AWS Regions'. At the very bottom, there are several buttons: 'Cancel', 'Delete Portfolio', 'Refresh', and a red-highlighted button labeled '\$ Cost Advise'.

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.large	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.

The screenshot shows the AMD EPYC Cloud Cost Advisor interface. The top navigation bar includes the AMD logo, the title "EPYC Cloud Cost Advisor", and links for "Manage Portfolio" and "Explorer". On the right, there are icons for user profile and email (sugowda@amd.com). The main content area is titled "Cost Advice". It features a sidebar with "Portfolios" and "AWS_Portfolio" sections, and a central table titled "Current". The table has columns for Region, Instance, Monthly Cost (\$), Annual Cost (\$), UUID/Instance Name, Cloud, Quantity, Pricing Model, vCPU(s), and Remark. A red box highlights the first three rows of the table. At the bottom, there are pagination controls and a search bar.

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

This screenshot shows the "Cost Advice" section with three tables side-by-side: "Hourly Cost Optimization", "Modernize", and "Modernize & Downsize". Each table has its own set of columns and data rows. A red box highlights the "Modernize" table. At the bottom, there are pagination controls and a "Close" button.

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.

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 links for 'Manage Portfolio' and 'Explorer'. On the right side of the header, there are icons for export, refresh, and email, along with the user email 'susgowda@amd.com'. Below the header, the main content area has a heading 'Cost Advice'. Underneath it, there's a dropdown menu labeled 'Savings Type' with 'All' selected, and a link to 'Input Errors Explanation' and 'When is EIA Recommended?'. To the right of the dropdown is a search bar with the placeholder 'Search...'. The main table, titled 'Hourly Cost Optimization', has columns for 'Cost (\$)', 'Annual Cost (\$)', 'Annual Savings (\$)', 'Savings (%)', 'Performance Improvement *', 'Instance', 'vCPU(s)', 'Monthly Cost (\$)', 'Annual Cost (\$)', 'Annual Savings (\$)', 'Savings (%)', and 'Perf'. The table lists various instance types like c6a.xlarge, r6a.large, m6a.large, etc., comparing them against current instances. The table is divided into sections: 'Hourly Cost Optimization', 'Modernize', and 'Modernize & Downsize'. The bottom of the table shows summary statistics: 4,457.07, 53,494.84, 7,543.56, 12.36, 0.83, 4,222.24, 50,666.87, 10,361.53, 16.98, and 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.

Modernize *

Instance	vCPU(s)	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Savings (%)	Performance Improvement *
m6a.4xlarge	16	952.79	11,433.46	EIA is recommended	0.00	0.66
c6a.12xlarge	48	1,790.19	21,482.32	6,059.12	22.00	1.15
c7a.12xlarge	48	711.40	8,536.81	11,856.47	58.14	2.88
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
		3,454.38	41,452.60	17,915.59	31.56	1.57

Modernize & Downsize *

Instance	vCPU(s)	Monthly Cost (\$)	Annual Cost (\$)	Annual Savings (\$)	Savings (%)	Performance Improvement *
m6a.2xlarge	8	910.18	10,922.21	EIA is recommended	0.00	0.35
c6a.8xlarge	32	1,338.46	16,061.51	11,479.93	41.68	1.03
c7a.8xlarge	32	711.40	8,536.81	11,856.47	58.14	1.92
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
		2,960.04	35,520.53	23,336.40	41.11	1.10

Items per page: 10 | 1-7 of 7 | < > >>

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.

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

Cost Advice

When is EIA recommended?

- EIA is recommended when a more technical analysis is needed for an optimized recommendation.
- For disk (d) or network-enhanced (n) instances.
- When savings are not projected on modernized instances powered by AMD EPYC™ processors.

Hourly Cost Optimization *

Annual Cost (\$)	Annual Savings (\$)
16,371.00	982.56
-	-
-	-
-	-

Grand Total 3 1,364.25 16,371.00 982.56

Items per page: 10 | 1-3 of 3 | < > >>

► Export Report:

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

Cost Advice

Current

Region	Instance	Monthly Cost (\$)	Annual Cost (\$)	UUID/Instance Name	Cloud	Quantity	Pricing Model	vCPU(s)	Remark	In
sa-east-1	c5.12xlarge	1,446.13	17,353.56	2f228..558c0	AWS	1	reserved	48	-	c6
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		3						1,446.13	17,353.56	

Items per page: 10 | 1-3 of 3 | < > >>

- 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.									

- 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				
	Total Cost	Total Savings	Total Cost	Total Savings	Total Cost	Total Savings			
\$59,194.37	\$65,586.40	\$663.97	\$64,755.91	\$2,363.90	\$63,720.59	\$2,582.41			
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.									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
< >	Recommended-Instance	Total Annual Savings	Legal Disclaimer	+					

- 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		
3	Cloud instance recommendation generated using AMD EPYC Cloud Cost Advisor	
4		
5	Copyright - 2025 Advanced Microdevices Inc.	
6		
7	For Terms of Use / Copyrights: please refer https://www.amd.com/en/legal/copyright.html	
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< >	Recommended-Instance	Legal Disclaimer

Explorer

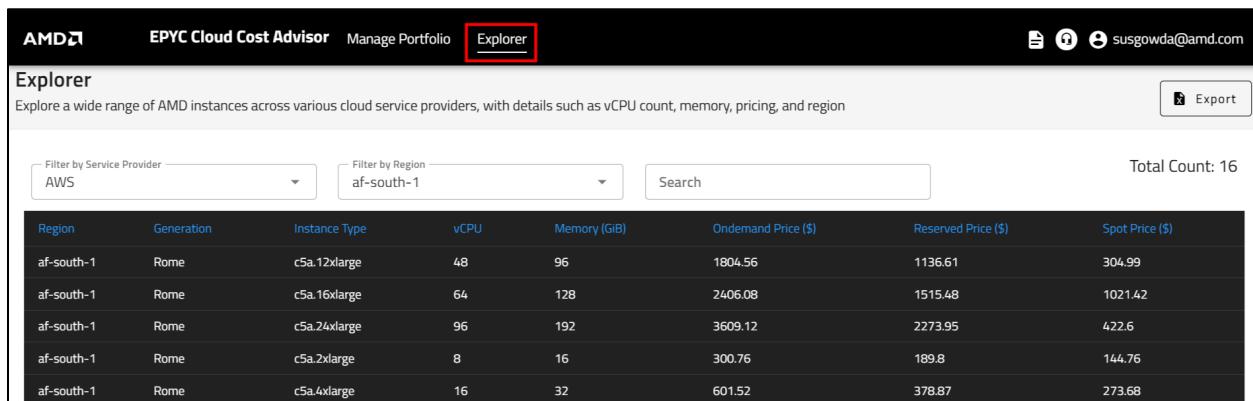
The **Explorer** section allows users to investigate a variety of AMD instances across different cloud service providers. It provides detailed information about each instance, including:

- 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

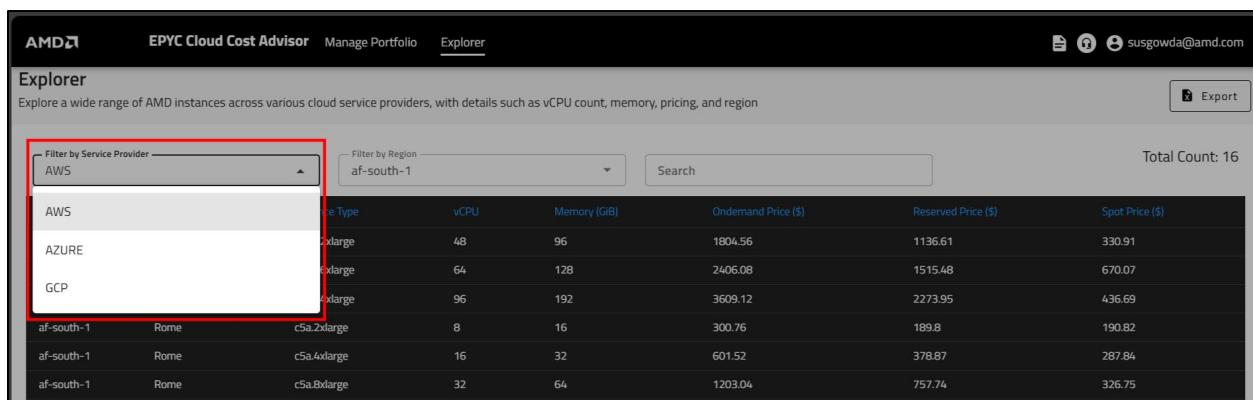
- Navigate to Explorer section from the main menu.



The screenshot shows the Explorer section of the EPYC Cloud Cost Advisor. At the top, there are tabs for AMD, EPYC Cloud Cost Advisor, Manage Portfolio, and Explorer, with Explorer being the active tab. On the right, there are user profile icons and the email susgowda@amd.com. Below the tabs, 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 tabs for AMD, EPYC Cloud Cost Advisor, Manage Portfolio, and Explorer, and a user profile on the right. The title "Explorer" and subtitle "Explore a wide range of AMD instances across various cloud service providers, with details such as vCPU count, memory, pricing, and region" are present. The "Filter by Service Provider" dropdown is highlighted with a red box and shows options: AWS (selected), AZURE, and GCP. The "Filter by Region" dropdown is set to af-south-1. The "Search" input field and "Total Count: 16" are also visible. The table below lists the instances for the selected filters, showing data for AWS, Azure, and GCP regions in af-south-1.

Region	Generation	Instance Type	vCPU	Memory (GiB)	Ondemand Price (\$)	Reserved Price (\$)	Spot Price (\$)
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 filters for 'Service Provider' (set to AWS) and 'Region' (set to 'af-south-1'). A red box highlights the 'Region' filter dropdown. Below the filters is a search bar and a total count of 16 instances. The main area displays a table of instance details, with the first few rows shown below:

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	2049.84	1291.37	271.78

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

This screenshot is similar to the one above, showing the 'Explorer' section with a focus on the search functionality. A red box highlights the search input field. The table of instance details is identical to the previous screenshot.

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

This screenshot shows the 'Explorer' section with the 'Export' button highlighted by a red box. The table of instance details is identical to the previous screenshots.

- 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