



AWS Cloud Credits for Research - Useful Links and Information

Billing

Set up [Billing Alerts](#) to help monitor the charges on your AWS bill! **Please note that upon reaching your credit amount, your billing will automatically switch to the credit card on file and the account will be charged immediately upon going over the credit amount.** We cannot provide refunds for overage charges.

Identity and Access Management

Learn about [AWS Identity and Access Management \(IAM\)](#). It enables you to securely control access to AWS services and resources for your users. Using IAM, you can create and manage AWS users and groups and use permissions to allow and deny their access to AWS resources. First-time users should visit the IAM Best Practices section of our Using IAM guide. To get started using IAM, sign in to the [AWS Management Console](#).

Other Useful Information

Use [Amazon CloudWatch](#)! This will help detect and shut down Amazon EC2 instances that have gone idle or underutilized. This feature allows you to stop or terminate an EC2 instance automatically when utilization drops below a threshold they set, simply by creating a CloudWatch alarm.

Read about '[Setting Up Multiuser Environments \(for Classroom Training and Research\)](#)'. This whitepaper provides an overview of how to create and manage multiuser environments in the AWS cloud so that professors and researchers can leverage AWS for student labs, training applications, individual IT environments, and cloud computing courses.

AWS Cloud Computing [Whitepapers](#) is a section featuring a comprehensive list of technical AWS whitepapers, covering topics such as architecture, security and economics. These whitepapers have been authored by the AWS Team, independent analysts or the AWS Community (Customers or Partners).

Regions – you can launch services in any one of our regions, but the Management Console can only show you one region at a time. To be completely sure you've closed everything down, follow these instructions in any region you've used or might have used. The links in this document go to the US East (North Virginia) region, but you can use the menu in the top right of the console to change to another region whenever you want.

[Elastic Beanstalk](#) is a service that makes sure you have all the resources you need running. If you've got an environment running under Elastic Beanstalk, it will re-launch any other services you start – that's how it makes sure everything stays up and running for you. Before you terminate any EC2 instances, have a look and see if you've got a beanstalk, and terminate that too.

Like Elastic Beanstalk, [Load Balancers](#) keep a minimum number of EC2 instances running, so if you terminate the last instance under a load balancer a new one will be launched.

After you've dealt with the previous 2 items, you're good to start terminating [EC2](#) instances. Remember, if you terminate an instance, you delete it for good. If you stop it, you can start it again later but you may still be charged for storage.

[Elastic Block Storage](#) - most EC2 instances will delete their EBS volumes when they are terminated, but it is possible to set an instance up to keep the volume and the data inside of it. Check under EBS and if you're sure you don't need the data anymore, delete those volumes too.

Any Elastic IP Addresses or [EIPs](#) attached to an instance when it's terminated will be unattached, but still allocated to you. If you don't need that specific IP address anymore, release it so someone else can use it.

Everything else! The services above interact with each other in very specific ways, but the rest of AWS' range are much more individual, so all you need to do is check through for anything else you may have launched. The most common services are RDS and S3, but anything you had a look at might need to be closed down again.

Resources - Visit our [Knowledge Center](#) for more information or [AWS Answers](#) to find answers to common questions about architecting, building, and running applications on the Amazon Web Services cloud.

Also refer to the **Intro to Cloud Credits for Research Webinar** slides and recording, which outline important information on tracking credits usage, budgeting, and provide a plethora of valuable links and training information:

Slide share: <https://www.slideshare.net/secret/oYeFPVs9Dy4vfH>

Presentation recording: <https://connect.awswebcasts.com/p20o1xrltsy/>



The AWS Cloud Credits for Research Team
aws.amazon.com/education/research-credits

How to track your credit consumption in real time:

1/ Visit the Credits tab and view credits remaining:

Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings
DevPay

Credits

Please enter your code below to redeem your credits.

Promo Code

Security Check

Please type the characters as shown above

By clicking "Redeem" you indicate that you have read and agree to the terms of the AWS Promotional Credit Terms & Conditions located [here](#).

Redeem

Below are all the credits you have redeemed with AWS. Credits will automatically be applied to your bill. Only credits that apply to a specific service can be used.

Expiration Date	Credit Name	Credits Used	Credits Remaining	Applicable Products
2017-04-30	PS_R_FY2016_Q4 [REDACTED]	\$2,348.03	\$2,651.97	See complete list

Total Amount of Credits Remaining: \$2,651.97

2/ Visit Bills tab and view current month's updated credit usage:

Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings
DevPay

Bills

Date:

[Download CSV](#) [Print](#)

Summary	Amount
AWS Service Charges	\$0.00
Other Details	
Total	\$0.00

[+ Expand All](#)

Note: \$168.53 of credits have been applied across products on your bill [View Product Details](#)

Details	Total
AWS Service Charges	\$0.00
▶ Data Transfer	\$0.00
▶ Elastic Compute Cloud	\$0.00
▶ Simple Storage Service	\$0.00
▶ CT to be collected	\$0.00
▶ GST to be collected	\$0.00
▶ US Sales Tax to be collected	\$0.00
▶ VAT to be collected	\$0.00

Usage and recurring charges for this statement period will be charged on your next billing date. Estimated charges shown on this page, or shown on any notifications that we send to you, may differ from your actual charges for this statement period. This is because estimated charges presented on this page do not include usage charges accrued during this statement period after the date you view this page. Similarly, information about estimated charges sent to you in a notification do not include usage charges accrued during this statement period after the date we send you the notification. One-time fees and subscription charges are assessed separately from usage and recurring charges, on the date that they occur.

3/ Subtract these amounts:

Total amount of credits remaining (through end of last month): \$2651.97

Total amount of credits used (this month): - \$168.63

Total remaining: \$2483.34