

Amazon Elastic Container Registry pricing

Overview



Amazon Elastic Container Registry (Amazon ECR) is a fully managed container registry that makes it easy to store, share, and deploy your container software anywhere. When you use Amazon ECR, your images and artifacts remain highly available and reliably deployable.

With Amazon ECR, there are no upfront fees or commitments. You pay only for the amount of data you store in your public or private repositories and for data transferred to the internet. Data transferred from a private repository is billed to the AWS account that owns the private repository. Data transferred from a public repository is free up to the limits specified (and can be done anonymously). Beyond those limits, data transfer is billed to the AWS account that downloads from the public repository. Storage is always billed to the AWS account that owns a repository, private or public.

AWS Pricing Calculator

Calculate your Amazon Elastic Container Registry and architecture cost in a single estimate.

[Create your custom estimate now](#)

AWS Free Tier *

As a new Amazon ECR customer, you get 500 MB per month of storage for your private repositories for one year as part of the [AWS Free Tier](#).

Both new and existing customers get 50 GB per month of always-free storage for their public repositories. You can anonymously (without using an AWS account) transfer 500 GB of data to the Internet from a public repository each month for free. If you sign up for an AWS account, or authenticate to Amazon ECR with an existing AWS account, you can transfer 5 TB of data to the Internet from a public repository each month for free. You also get unlimited bandwidth at no cost when transferring data from a public repository to AWS compute resources in any AWS Region.

Your free usage is calculated each month across all regions and automatically applied to your bill; free usage does not accumulate.

Starting July 15, 2025, new AWS customers will receive up to \$200 in AWS Free Tier credits, which can be applied towards eligible AWS services, including Amazon Elastic Container Registry. At account sign-up, you can choose between a free plan and a paid plan. The free plan will be available for 6 months after account creation. If you upgrade to a paid plan, any remaining Free Tier credit balance will automatically apply to your AWS bills. All Free Tier credits must be used within 12 months of your account creation date. To learn more about the AWS Free Tier program, refer to [AWS Free Tier website](#) and [AWS Free Tier documentation](#).

Pricing details (beyond free tier limits)

Storage:

ECR has two storage classes. ECR Standard and ECR Archive. ECR Standard is the default storage class for active container images. ECR Archive is a cost-optimized storage class for inactive images that require long-term storage. You cannot directly pull from images stored in ECR Archive but need to retrieve the archived images first.

Region:

Europe (London)

Storage Class	Storage Pricing
ECR Standard	
All storage / month	\$0.10 per GB
ECR Archive*	
First 150 TB / month	\$0.10 per GB
Over 150 TB / month	\$0.07 per GB
Retrieval**	\$0.03 per GB

* Archive storage is charged for a minimum storage duration of 90 days. Images deleted prior to the minimum storage duration incur a pro-rated charge equal to the storage charge for the remaining days. Images stored longer than the minimum storage duration will not incur a minimum storage charge.

** You cannot directly pull from images stored in ECR Archive. You need to retrieve the archive images first which incurs a per GB retrieval charge.

Data Transfer

Data transferred from private repositories:

Region:

Europe (London)

	Pricing
Data Transfer IN	
All data transfer in	\$0.00 per GB
Data Transfer OUT **	
Next 9.999 TB / month	\$0.09 per GB
Next 40 TB / month	\$0.085 per GB
Next 100 TB / month	\$0.07 per GB
Greater than 150 TB / month	\$0.05 per GB

Data transferred from public repositories:

	Pricing
Data Transfer IN	
All data transfer in	\$0.00 per GB
Data Transfer OUT ***	
Without using an AWS Account	
500 GB / month	\$0.00 per GB
When using an AWS Account	
5 TB / month	\$0.00 per GB
Greater than 5 TB / month to non AWS Regions	\$0.09 per GB
Any amount to any AWS Region	\$0.00 per GB

** Data transfer out from private repositories rate tiers aggregate outbound data transfer across Amazon Elastic Compute Cloud (EC2), Amazon ECR, Amazon Elastic Block Storage (EBS), Amazon Simple Storage Service (S3), Amazon S3 Glacier, Amazon Relational Database Service (RDS), Amazon SimpleDB, Amazon Simple Queue Service (SQS), Amazon Simple Notification Service (SNS), Amazon DynamoDB, AWS Storage Gateway, and Amazon Virtual Private Cloud (VPC). Data transferred when copying images across regions using Cross Region Replication incur ECR data transfer out charges based on the source repository's region.

*** Data transferred out from public repositories is limited by source IP when an AWS account is not used.

Managed Signing

ECR managed signing automatically signs images as images are pushed, using the identity of the entity pushing the image. Container image signing allows you to verify that images are from trusted sources. With managed signing, ECR simplifies setting up container image signing to just a few clicks in the ECR Console or a single API call.

Region:

Europe (London)

Managed Signing Pricing	
Number of signatures generated by ECR*	\$0.02 per signature

*You are only charged for image signatures that ECR successfully generated. If ECR fails to sign the images for any reasons, including customer-side errors such as misconfigured permissions, you will not be charged.

Encryption

Region:

AWS GovCloud (US-East)

Encryption Type	Price per GB
Server-side encryption with Amazon S3 Managed-keys (SSE-S3)	Free
Server-side encryption with keys stored in AWS Key Management Service (SSE-KMS)	Free †
Dual-layer server-side encryption with keys stored in AWS Key Management Service (DSSE-KMS)	\$0.0036 per gigabyte † ‡

By default, Amazon ECR uses server-side encryption with Amazon S3-managed encryption keys (SSE-S3) for encrypting any image pushed to ECR. This is offered at no additional charge.

† For SSE-KMS, you pay AWS KMS charges to generate or retrieve the data key used for encryption and decryption. For pricing on AWS KMS, visit the [AWS KMS pricing page](#).

‡ For DSSE-KMS, in addition to the charges for AWS KMS mentioned above, you pay an additional per gigabyte encryption fee for the second layer of encryption and decryption of data.

Pricing Examples

Data transfer "in" and "out" refers to transfer into and out of Amazon ECR. Data transferred between Amazon ECR and other services within the same Region e.g., Amazon EC2, [AWS Lambda](#), [AWS App Runner](#), or [AWS Fargate](#) is free of charge (i.e., \$0.00 per GB). Data transferred between Amazon ECR and other services in different regions will be charged at Internet Data Transfer rates on both sides of the transfer.

Pricing Example 1: Amazon ECR private repository with in-region transfer
You are a customer storing a total of 40 GB of software images to share privately within your organization. You are charged for storage at \$0.10 per GB for a total of \$4/month, but charged nothing for data transfer in. Others in your organization use [Amazon Elastic Container Service](#) (Amazon ECS) on Amazon EC2 or AWS Fargate to pull 1 TB per month of images within the same region so they are not charged for data transfer out. **Total cost = \$4 / month**

Pricing Example 2: Amazon ECR private repository with cross-region transfer
You are a customer storing a total of 20 GB of software images in the us-east-1 region. You are charged \$2 per month for storage, but there is no charge for data transfer in. Others in your organization use Amazon ECS on Amazon EC2 or Fargate to pull the data into the same us-east-1 region and into the us-west-1 region. They pull 50 GB per month per region, but are only charged for data transfer out to us-west-1. The data transfer out is charged at \$0.09 per GB for a total data transfer out charge of \$4.50. The total cost per month is \$2 for storage and \$4.50 for data transfer out. **Total cost = \$2 + \$4.50 = \$6.50 / month**

Except as otherwise noted, prices are exclusive of applicable taxes and duties, including VAT and applicable sales tax. For customers with a Japanese billing address, use of AWS is subject to Japanese Consumption Tax. [Learn more](#) about Consumption Tax.

For data transfer exceeding 500 TB per month, please [contact us](#).

Additional pricing resources

[AWS Pricing Calculator](#)
Easily calculate your monthly costs with AWS

[Get pricing assistance](#)
Contact AWS specialists to get a personalized quote

Next steps

Explore benefits of AWS containers

→

Get started with Amazon ECR

→

Connect with an expert

→

Get Started with AWS

Learn how to start using AWS in minutes

AWS Free Tier

Gain free, hands-on experience with AWS for 12 months

Proven Security to Accelerate Your Innovation

Find the resources you need to build, run, and scale your applications on the most secure cloud computing environment available today »