Amazon Security Lake Pricing

In supported Regions, new Security Lake account holders can try the service free for 15 days and gain access to all its features.

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Pricing overview

Amazon Security Lake automatically centralizes security data from AWS environments, SaaS providers, on premises, and cloud sources into a purpose-built data lake stored in your account. With Security Lake, you pay as you go with no upfront costs. Security Lake prices are based on two dimensions: data ingestion and data normalization. Monthly costs are determined by the volume of log and event data ingested from AWS services per gigabyte. There is no charge for bringing third-party or your own data. You pay a separate price depending on the origin of the logs (AWS CloudTrail or other AWS services), plus a data normalization charge. You are required to have a CloudTrail organization trail configured to collect CloudTrail management events into your security data lake. Your data is stored in Amazon Simple Storage Service (Amazon S3) and standard Amazon S3 charges apply. Security Lake also orchestrates other AWS services on your behalf. You will incur separate charges for AWS services used and resources set up as part of your security data lake. See pricing for AWS Glue, Amazon EventBridge, AWS Lambda, Amazon SQS, and Amazon SNS. Standard data transfer costs apply for data accessed or aggregated into Amazon S3 across AWS Regions. You are responsible for costs that you incur by querying data from Security Lake and storing query result

AWS Pricing Calculator

Calculate your Amazon Security Lake and architecture cost in a single estimate.

Create your custom estimate now »

Pricing tables

Region: Europe (London)

Cloudtrail Logs	$0.75 per GB
Other Logs	
First 10TB	$0.299 per GB
Next 20TB	$0.18 per GB
Next 20TB	$0.09 per GB
Over 50 TB	$0.06 per GB
Normalization	$0.035 per GB

Data storage in Amazon S3

Standard S3 charges apply (see Amazon S3 pricing)

Pricing examples

Example 1: Enabling Security Lake in one Region with a preexisting CloudTrail organization trail

You enter a new billing month for your US East (N. Virginia) deployment. Security Lake has ingested 256 GB of CloudTrail management events, 256 GB of CloudTrail data events (for example, S3 object-level API operations), and 1,024 GB of other AWS security event data (from Amazon VPC Flow Logs, Amazon Route 53 Resolver query logs, or security findings from AWS Security Hub).
Security Lake charges in US East (N. Virginia) would be calculated as follows:

512 GB of CloudTrail logs ingested at $0.75 per GB = 512 * $0.75 = $384.00
1,024 GB of other AWS logs ingested at $0.25 per GB = 1,024 * $0.25 = $256.00
1,536 GB of data normalization charges ingested at $0.035 per GB = 1,536 * $0.035 = $53.76
The total monthly charges for your Security Lake bill will be $693.76.

Example 2: Enabling Security Lake in one Region and creating a new CloudTrail organization trail

In the event that you don't have a preexisting AWS CloudTrail organization trail for your AWS organization, you must create one before ingesting CloudTrail management events in Security Lake. Deploying an organization trail is a recommended best practice, and AWS provides tooling, such as AWS Control Tower, to migrate your individual account trails to an organization trail. If you choose to deploy a new organization trail for your organization and have preexisting individual account trails, your CloudTrail bill will increase due to the delivery of additional management event copies from the new organization trail.

You enter a new billing month for your US East (N. Virginia) deployment. Security Lake has ingested 256 GB of CloudTrail management events, 256 GB of CloudTrail data events (for example, S3 object-level API operations), and 1,024 GB of other AWS security event data (from Amazon VPC Flow Logs, Amazon Route 53 Resolver query logs, or security findings from AWS Security Hub).

You have existing CloudTrail management usage across your member account trails of 186,991,773 events (which corresponds to the 256 GB volume of management events that you ingest in Security Lake for an average management event size of 1,470 bytes). You receive only one copy of these events in CloudTrail so they do not incur an additional charge (see the AWS Free Tier page).

The total monthly charges for your Security Lake bill will be $693.76 (same as example 1).

The incremental CloudTrail charges in your CloudTrail bill would be calculated as follows:
186,991,773 events delivered as management events copies at $2.00 per 100,000 events = 186,991,775 / 100,000 * $2.00 = $3,739.84

The total additional CloudTrail charges across member accounts will be $3,739.84.
See AWS CloudTrail pricing for more details.

Note: Amazon Security Lake usage is calculated in binary gigabytes, where 1 GB is 2^30 bytes. This unit of measurement is also known as a gibibyte, defined by the International Electrotechnical Commission (IEC). Similarly, 1 TB is 2^40 bytes, which is 1,024 GB.

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FAQs

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- **How do I estimate the cost of the initial enablement of Security Lake in my account?**
- **How does Security Lake help me optimize my log retention strategy?**
- **Is there a charge to bring third-party or your own data to centralize in Security Lake?**
- **How does the pricing for AWS logs consumed directly compare to centralizing them through Amazon Security Lake?**
- **Is the delegated account billed for all consolidated logs, or all accounts in an AWS Organization individually billed based on their usage?**
- **Is Security Lake an incremental expense?**

Additional pricing resources

Explore more of AWS

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