Amazon CloudWatch Pricing

Why Amazon CloudWatch?

With Amazon CloudWatch, there is no up-front commitment or minimum fee; you simply pay for what you use. You will be charged at the end of the month for your usage.

AWS Pricing Calculator

Calculate your Amazon CloudWatch and architecture cost in a single estimate.

Create your custom estimate now »

Free tier

You can get started with Amazon CloudWatch for free. Most AWS Services (EC2, S3, Kinesis, etc.) send metrics automatically for free to CloudWatch. Many applications should be able to operate within these free tier limits. You can learn more about AWS Free Tier here.

Logs	**Logs** 5 GB Data (ingestion, archive storage, and data scanned by Logs Insights queries) 1,800 minutes of Live Tail usage per month (approximately an hour per day) **Contributor Insights for CloudWatch Logs** 1 Contributor Insights rule per month The first 1 million log events that match the rule per month
Metrics	Basic Monitoring Metrics (Metrics sent from AWS Services by default) 10 Metrics (of Custom Metrics and Detailed Monitoring Metrics) 1 Million API requests (not including GetMetricData, GetInsightRuleReport and GetMetricWidgetImage: these 3 operations are always charged)
Dashboards & Alarms	**Dashboards** 3 Custom Dashboards referencing up to 50 metrics each per month. Additionally, all Automatic Dashboards are free. **Alarms** 10 Alarm metrics (only applicable to Standard resolution alarms that list metrics directly and don't use a Metrics Insights query)
Application Observability	**Application Signals and transaction search (includes "golden metrics" and complete visibility into application transaction spans)** Customers have 3 months of free usage, per account or if you reach the limit below first: • 100GB data ingested for Application Signals including complete visibility into application transaction spans • 1 million Spans Indexed as X-Ray Trace Summaries **Application Signals (includes "golden metrics", no visibility into application transaction spans)** Customers have 3 months of free usage, per account or if you reach the limit below first: • 100 million Signals for Application Signals with no visibility into application transaction spans **Cross-account observability** First trace copy sent from source account to monitoring account **X-Ray traces** The first 100,000 traces recorded each month are free. The first 1,000,000 traces retrieved or scanned each month are free **Application Events from CloudWatch Synthetics and RUM** **Synthetics** 100 canary runs per month **RUM** First time free trial includes 1 million web RUM events per account
Infrastructure Observability	**Database Insights** Database Insights Standard Mode: Rolling 7 days of performance data history for the database load metric **Network Monitoring** Flow monitoring for 10 resources across all accounts for 12 months (7300 resource-hours per month)

Paid tier

There is no upfront commitment or minimum fee. You simply pay for what you use and will be charged at the end of the month for your usage.

Note: Pricing varies by Region. Estimate your monthly bill using the AWS Pricing Calculator.

Logs | Metrics | Dashboards & Alarms | Application Observability | Infrastructure Observability

This section covers:

- Custom logs
- Cross-account observability
- Vended logs
- Analyze with OpenSearch
- CloudWatch Contributor Insights for CloudWatch Logs, DynamoDB and PrivateLink

See pricing tables for:

- Data Protection
- Logs Storage
- Logs Insights
- Live tail

Amazon S3 Tables

Availability of ingested logs in Amazon S3 Tables is included at no additional charge. Access is subject to request and data transfer charges. See Amazon S3 Pricing for details.

Custom Logs

All log types. There is no Data Transfer IN charge for any of CloudWatch.

Data Transfer OUT from CloudWatch Logs is priced equivalent to the "Data Transfer OUT from Amazon EC2 To" and "Data Transfer OUT from Amazon EC2 to Internet" tables on the EC2 Pricing Page.

CloudWatch Container Insights ingests performance events as CloudWatch Logs that automatically create CloudWatch metrics. These performance events are analyzed using CloudWatch Logs Insights queries and are automatically executed as part of some Container Insights automated dashboards (e.g., task/pod, service, node, namespace). Please see the Container Insights documentation for details on the type of performance events ingested and queried.

See example 1 (Analyzing logs with Live Tail) and example 2 (Detecting and masking sensitive log data with Data Protection) below to understand your potential charges.

Region:
Europe (London) ▼

Manage Logs	Cost
Collect (Data Ingestion)	
Standard	$0.5985 per GB/month
Infrequent Access	$0.299 per GB/month
Store (Archival)	$0.0315 per GB compressed (0.15 compression ratio for each uncompressed byte)
Query (Logs Insights)	$0.0059 per GB of data scanned
Detect and Mask (Data Protection)	$0.12 per GB of data scanned
Live Tail	$0.01 per minute
Log Centralization (cross-account/cross-region)	Data transfer and ingestion: the first log copy is **free;** additional log copies cost $0.05/GB. Storage charges apply for all copies.

For Log Centralization refer to documentation

Cross-account observability

When using cross-account observability, logs can be viewed and analyzed from multiple accounts in a monitoring account at no additional cost. Standard CloudWatch rates apply for features used in monitoring accounts, such as Logs Insights queries. For more details, see the cross-account observability documentation.

Vended Logs

Vended logs are logs from specific AWS services that are available at volume tiered pricing and delivered to CloudWatch Logs, Amazon S3, or Amazon Data Firehose. VPC Flow Logs can optionally be delivered to S3 in Apache Parquet format. For more information on log sources, log types, and where the logs can be sent to, refer to the CloudWatch documentation.

See example 3 and example 4 below to understand your potential charges.

Region:
Europe (London) ▼

	Delivery Destination			
Data Ingested	**CloudWatch Logs Standard**	**CloudWatch Logs Infrequent Access**	**Amazon S3**	**Amazon Data Firehose**
First 10TB per month	$0.5985 per GB	$0.299 per GB	$0.299 per GB	$0.299 per GB
Next 20TB per month	$0.2993 per GB	$0.18 per GB	$0.18 per GB	$0.18 per GB
Next 20TB per month	$0.1197 per GB	$0.09 per GB	$0.09 per GB	$0.09 per GB
Over 50TB per month	$0.0599 per GB	$0.06 per GB	$0.06 per GB	$0.06 per GB
Data Stored	$0.0315 per GB compressed*	$0.0315 per GB compressed*	See S3 Pricing	N/A
Format Converted to Apache Parquet	N/A	N/A	$0.05 per GB**	N/A

*0.15 compression ratio for each uncompressed byte

**Currently supported for VPC Flow Logs, and resources supporting V2 Permissions as mentioned here

For AWS Web Application Firewall (WAF) Vended logs, Amazon CloudFront Vended Logs and AWS Elemental MediaTailor Vended Logs pricing, refer to the service specific pricing page

Analyze with OpenSearch

CloudWatch Logs customers can create OpenSearch Service dashboards like Amazon Virtual Private Cloud (VPC), AWS CloudTrail, and AWS Web Application Firewall (WAF) logs in Standard log class in regions where OpenSearch direct query services are available.

Standard CloudWatch Logs ingestion and storage charges apply. In addition, customers will incur costs for OpenSearch Serverless and OpenSearch Direct Query usage. For pricing details, please go to the OpenSearch Service pricing under Direct Query, and refer to the section CloudWatch Logs customers building OpenSearch dashboards. To see a pricing use case, go to pricing example 7 on the OpenSearch pricing page.

CloudWatch Contributor Insights for CloudWatch Logs

CloudWatch Contributor Insights allows you to create rules to analyze structured log events as they are sent to CloudWatch Logs. When you create a rule, you are charged per-rule per-month, and for every million log events per month that match your rule.

See example 5 below to understand your potential charges.

Region:
Europe (London) ▼

Contributor Insights Rule	$0.50 per rule per month
Matched Log Events	$0.024 per one million log events that match the rule per month

CloudWatch Contributor Insights for DynamoDB

CloudWatch Contributor Insights for DynamoDB is a diagnostic tool for identifying the most frequently accessed and throttled keys in your DynamoDB table at a glance. When you enable this feature, you are charged per-rule per-month and for every million DynamoDB Events, which occur when items are read from or written to your DynamoDB table.

Region:
Europe (London) ▼

Contributor Insights Rule	$0.50 per rule per month
DynamoDB Events	$0.036 per one million log events that match the rule per month

CloudWatch Contributor Insights for PrivateLink

CloudWatch Contributor Insights for PrivateLink allows you to identify the top contributing endpoints to a service metric. When you enable this feature, you are charged per-rule per-month evaluating up to 50,000 endpoints.

Region:
Europe (London) ▼

Contributor Insights Rule	$9.00 per rule per month

Pricing examples

Note: Pricing values displayed here are meant to be examples only. Please refer to pricing tabs for most current pricing information for your respective region(s).

Example 1 - Analyzing logs with Live Tail

You get 1,800 minutes of Live Tail session usage per month with the AWS Free Tier, after which you pay $0.01 per minute.

If you are using Live Tail to explore and analyze your logs in real time for 1,000 minutes in one month, your monthly cost would be as follows:

Monthly Live Tail usage charges
Total Live Tail usage in minutes = 1,000
0 to 1,000 minutes = $0

Monthly Live Tail charges = $0

If you are using Live Tail to explore and analyze your logs in real-time for 20,000 minutes in one month, your monthly cost would be as follows:

Monthly Live Tail usage charges
Total Live Tail usage in minutes = 20,000
0 to 1,800 minutes = $0
1,801 to 20,000 minutes = $0.01 * 18,200 = $182

Monthly Live Tail charges = $182

Example 2 - Detecting and masking sensitive log data with Data Protection

In this scenario, you are enabling ongoing data protection for a log group that collects 1 GB of log data per day from a payment processing application.

Monthly ingested log charges
Total log data ingested = 1 GB * 30 days = 30 GB
Charges for log data ingestion (0 to 5 GB): = $0
Charges for log data ingestion (5 to 30 GB) = $0.50 * 25 = $12.50

Data protection charges for scanning, detecting, and masking sensitive data
Total log data scanned with data protection = 1 GB * 30 days = 30 GB
Charges for log data scanned = $0.12 per GB * 30 GB = $3.60

Monthly archived log charges (assume log data compresses to 6 GB)
Charges for 0 to 5 GB = $0
Charges for 5 GB to 6 GB = $0.03 * 1 GB = $0.03

Monthly CloudWatch charges = $12.50 + $3.60 + $0.03 = $16.13

Example 3 – Monitoring vended logs delivered to Amazon CloudWatch Logs, Amazon S3, or Amazon Data Firehose

If you are monitoring AWS services that send vended log volume to one of the supported destinations per month and archiving the data for one month, you are charged based on the vended log tier per destination and any destination charges that may exist. Example of 72TB of vended logs delivered to CloudWatch Logs as follows:

Monthly log delivery charges

- 0 to 10TB @$0.50 per GB = 10 * 1,024 * $0.50 = $5,120.00
- 10TB to 30TB @$0.25 per GB = 20 * 1,024 * $0.25 = $5,120.00
- 30TB to 50TB @$0.10 per GB = 20 * 1,024 * $0.10 = $2,048.00
- 50TB to 72TB @$0.05 per GB = 22 * 1,024 * $0.05 = $1,126.40

Total Delivery Charges = $5,120 + $5,120 + $2,048 + $1,126.40 = $13,414.40
Monthly log archival charges (assume log data compresses to 30 TB)
30TB @ $0.03 per GB = 30 × 1,024 * $0.03 = $921.60
Monthly CloudWatch Charges = $13,414.40 + $921.60 = $14,336

Notes:

- Volume tiers reset at the start of every month
- **For S3 destinations:** Apart from vended logs delivery charges, customers are charged based on S3 storage costs and optional format conversion charges (e.g., Apache Parquet format conversion)
- **For Firehose destinations:** Besides vended logs delivery charges, customers are charged based on Firehose ingestion charges per GB processed.
- The example is based on N. Virginia. Pricing tiers and rates may vary by destination type and AWS region.

Example 4 - Monitoring Amazon CloudFront, AWS WAF, and Amazon MediaTailor vended logs delivered to Amazon CloudWatch Logs

AWS WAF Logs, Amazon CloudFront Standard Access Logs, and MediaTailor logs receive a cross product discount based on usage of the respective services.

- For each AWS WAF request, you get 500 bytes of log delivery to CloudWatch Logs or Amazon S3 at no additional charge. Any overages incur Amazon CloudWatch Logs charges.
- For each CloudFront request, you get 750 bytes of logs delivery to CloudWatch Logs at no additional charge. Any overages incur Amazon CloudWatch Logs charges.
- For each MediaTailor Ad Insertion, you get 50 kb of logs delivery to CloudWatch, Firehose, and S3 at no additional charge. Any overages incur Amazon CloudWatch Logs charges.

Overages are charged using service-specific vended logs tiering that mirrors CloudWatch Vended Logs pricing. Each service maintains its own tiering structure separate from the generic vended logs bucket.

Example:
If you are using the AWS WAF service and it sends 72 TB of WAF vended log volume to CloudWatch Logs and you have 70B WAF requests for the given month, your charges will be as follows:

WAF Logs Credits gained at the end of the month: 70B requests will provide 35 TB of WAF vended logs free for the given month.

Monthly log delivery charges

- 0 to 10TB @$0.50 per GB
  - Without credits: 10 * 1,024 * $0.50 = $5,120.00
  - With credits: 10 TB of 35 TB credits used (25 TB credit remaining) = 0 * $0.50 =**$0**
- 10TB to 30 TB @$0.25 per GB
  - Without credits: 20 * 1,024 * $0.25 = $5,120.00
  - With Credits: 20 TB of 25 TB credits used (5 TB credit remaining) = 0 * $0.25 = **$0**
- 30TB to 50 TB @$0.10 per GB
  - Without credits: 20 * 1,024 * $0.10 = $2,048.00
  - With Credits: 5 TB of 5 TB credits used (0 TB credit remaining) = 15 * 1,024 * $0.10 = **$1,536.0**
- 50TB to 72TB @$0.05 per GB
  - Without credits: 22 * 1,024 * $0.05 = **$1,126.4**
  - No credits remaining

Total Delivery Charges = $0 + $0 + $1,532 + $1,126.40 = $2,662.4

Monthly log archival charges (assume log data compresses to 30 TB)
30TB @ $0.03 per GB = 30 * 1,024 * $0.03 = $921.6

Monthly CloudWatch Charges with credits = $2,662.4 + $921.60 = $3,584.0

Example 5 – Monitoring with Contributor Insights

If you are monitoring Amazon VPC Flow Logs with a volume of 225 billion Log Events to CloudWatch Logs per month, and you have three Contributor Insights rules that match 100 percent, 50 percent, and 10 percent of these log events respectively, your charges will be as follows:

Rule charges
Total number of rules = 3 rules
First Contributor Insights rule = $0
2 Contributor Insights rules @ $0.50 per rule = $1.00

Matched Log events
Total Number of Matched Log Events = (225B * 100%) + (225 * 50%) + (225B * 10%) = 225B + 112.5B + 22.5B = 360 Billion
0 to 1 million matched log events = $0
1M to 360B matched log events = 359,999M * $0.02 = $7,200

Monthly CloudWatch charges = $1.00 + $7,200 = $7,201

Example 6 - Custom metrics

If your application runs on 51,000 Amazon EC2 instances 24x7 for a 30-day month, and you published 5 custom metrics via the PutMetricData API, your charges would be as follows:

Total number of metrics = 5 metrics per instance * 51,000 instances = 255,000 metrics
First 10,000 custom metrics @$0.30 per metric = 10,000 * $0.30 = $3,000
10,001 to 250,000 custom metrics @$0.10 per metric = 240,000 * $0.10 = $24,000
250,001 to 255,000 custom metrics @0.05 per metric = 5000 * $0.05 = $250
Monthly CloudWatch custom metrics charges = $3000 + $24000 + $250 = $27,250 per month

Total number of API requests = 51,000 instances * (43,200 minutes/5 minutes) = 440,640,000 requests
First 1,000,000 API requests = $0
1,000,001 to 440,640,000 API requests = 439,640,000/1,000 * $0.01 = $4,396.40

Monthly CloudWatch charges = $27,250 + $4,396.40 = $31,646.40 per month

Example 7 – Metrics Insights

If you run Metrics Insights queries through the CloudWatch console, it incurs no charge to you.

When you run your Metrics Insights queries programmatically using AWS CLI, SDK, or AWS CloudFormation, your query is charged based on the number of metrics analyzed, regardless of how you output the results.

If you have 1,000,000 metrics in your account and run a query that selects 1,500 metrics for analysis and that analysis returns 10 time series in the results then your charge will be as follows:

Query charge = 1,500 metrics analyzed * $0.01 per 1,000 metrics analyzed = $0.015

If you have 5,000,000 metrics in your account and run a query that selects 100 metrics for analysis and that analysis returns only 1 time series in the results then your charge will be as follows:

Query charge = 100 metrics analyzed * $0.01 per 1,000 metrics analyzed = $0.001

Example 8 - API Gateway Detailed Monitoring

An API Gateway endpoint enabled with detailed metrics has two resources - /devices and /authenticate deployed to stage called prod. Each of these resources one of the following methods: DELETE, POST, OPTIONS and GET.

By default, API Gateway publishes 4XXError, 5XXError, CacheHitCount, CacheMissCount, Count, IntegrationLatency and Latency per API. Once detailed metrics for API Gateway is enabled, all the above metrics along with dimensions - ApiName, method, resource, stage will be emitted to CloudWatch.

Note, not all metrics may be emitted e.g. 4XXError or 5XXError may not show up if there are no errors.

- Number of resources = 2 (devices and authenticate)
- Number of methods = 4 (DELETE, POST, OPTIONS and GET)
- Number of stage(s) = 1 (prod)
- Metrics published (Count, IntegrationLatency, Latency, 5xx, 4xx) = 5

Total number of metrics generated:
= Method (DELETE, POST, OPTIONS and GET) x Resource (authenticate and devices) x Stage (prod) x Metrics (Count, IntegrationLatency, Latency, 5xx, 4xx)

= 2 x 4 x 1 x 5 = **40**

Each metric charges $0.30 per full month and it bring the maximum cost to 40 x 0.3 = $12 per month.

Once you exceed 10,000 total metrics then volume pricing tiers will apply - see metrics pricing table for details.

Example 9 – Metric Streams

If your application runs 24x7 for a 30-day month and emits 10,000 metric updates every minute, and your CloudWatch metric stream sends data to a partner HTTP endpoint via a Amazon Data Firehose delivery stream in US East, your monthly charges would be as follows:

CloudWatch Metric Streams
Total number of metric updates = 10,000 metric updates per minute * 43,200 minutes in the month = 432,000,000 metric updates per month
432,000,000 metric updates @ $0.003 per 1,000 metric updates = $1,296 per month
Monthly CloudWatch Charges = $1,296 per month

Amazon Data Firehose
Amazon Data Firehose data ingested (GB per month) = 432,000,000 metric updates * 0.5KB (assumed average size per metric update) / 1,048,576 KB/GB = 206GB / month
The Amazon Data Firehose price in US-East is $0.029 per GB of Data Ingested for the first 500 TB/month = 206GB * $0.029 = $5.97 per month
Amazon Data Firehose Charges = $5.97 per month

Data Out (Amazon Data Firehose HTTP Endpoint to Monitoring Partner)
Up to 9.999 TB per month @ $0.09 per GB (since the first 100 GB is free, we will remove 100 GB from the price calculation) = 106 GB * $0.09 = $9.54
Data Out Charges = $9.54 per month

Total Monthly Charges = $1,296 per month + $5.97 per month + $9.54 per month = $1,311.51 per month

Note: Pricing values displayed here are based on US East (N. Virginia) AWS Regions. Please refer to the pricing information for your Region.

Example 10 - Alarming with Anomaly Detection

If you enable Amazon CloudWatch Anomaly Detection on 10 standard resolution metrics per month and only want to alarm on 5 of those metrics, you will create 5 standard resolution anomaly detection alarms. Your monthly bill is calculated as follows:

Total number of standard resolution anomaly detection alarms = 5

Alarms are billed based on the number of metrics per alarm. For every anomaly detection alarm, there are three standard resolution metrics per alarm. One is the actual metric being evaluated, the second is the upper bound of expected behavior, and the third is the lower bound of the expected behavior.

One standard resolution anomaly detection alarm = $0.10 * 3 standard resolution metrics per alarm = $0.30 per month

Five standard resolution anomaly detection alarms = $0.30 per standard resolution anomaly detection alarm * 5 alarms = $1.50 per month

Monthly CloudWatch charges = $1.50 per month

Pricing values displayed here are based on US East Regions. Please refer to pricing tabs for most current pricing information for your respective region(s). Anomaly Detection is currently available in all commercial AWS Regions.

Example 11 – Alarming with composite alarms

Composite alarms can combine any type of CloudWatch alarm. Metric alarms are billed based on the number of metrics per alarm, while composite alarms are billed per alarm unit. One composite alarm costs $0.50 per month, regardless of the number of metric alarms it combines.

If you create one composite alarm that combines four standard resolution metric alarms, your monthly bill is calculated as follows:

Four standard resolution alarms = $0.10 per alarm metric * 4 = $0.40 per month

One composite alarm = $0.50 per month

Monthly CloudWatch charges = $0.40 + $0.50 = $0.90 per month

Example 12 – CloudWatch alarms with Metrics Insights queries and monthly cost prorating

With AWS, you build an application that runs 24/7 for several months and uses autoscaled EC2 instances. You monitor your EC2 instances with a Metrics Insights query to get alerted when the average of CPU usage across all your EC2 instances goes above an 80% threshold.

In the month of July, your application consistently uses 3 instances.

In the month of August, your application scales up to 4 instances on the 16th August at 00:00 UTC and keeps on using 4 instances until the end of the month.

To calculate monthly costs for alarms
In July (which is a 31 day month), you use your alarm continuously every day. The math expression shows how to calculate the monthly cost for a standard-resolution alarm retrieving the average from 3 metrics through a Metrics Insights query.

1 (alarm) x 3 (number of metrics analyzed by the Metrics Insights query) x $0.10 (cost per metric analyzed per alarm) = $0.30

The total cost of this alarm for July is $0.30.

To calculate monthly prorated costs for alarms
In August (which is a 31-day month), you use your alarm continuously every day. The math expression shows how to calculate the monthly cost for a standard-resolution alarm retrieving the average from 3 metrics through a Metrics Insights query for 15 days, then retrieving the average from 4 metrics through a Metrics Insights query for 16 days.

For 360 hours (from the 1st day at 00:00 UTC to the 15th day at 23:59 UTC), your standard-resolution alarm evaluates the average from 3 metrics through a Metrics Insights query, the costs for that period are:

1 (alarm) x 3 (number of metrics analyzed by the Metrics Insights query) x 360 / 744 (pro-rating on the number of hours in the month) x $0.10 (cost per metric analyzed per alarm) = $0.15

For 384 hours (from the 16th day at 00:00 UTC to the 31st day at 23:59 UTC), your standard-resolution alarm evaluates the average from 4 metrics through a Metrics Insights query, the costs for that period are:

1 (alarm) x 4 (number of metrics analyzed by the Metrics Insights query) x 384 / 744 (pro-rating on the number of hours in the month) x $0.10 (cost per metric analyzed per alarm) = $0.21

The total cost of this alarm for August is $0.15 + $0.21 = $0.36.

Please note that all alarms costs are prorated, regardless of whether they use a Metrics Insight query or not. You can apply the same pro-rating logic to project the cost for an alarm that is created, deleted, or modified to add or remove metrics, during the month.

Example 13 - Application observability: Application Signals and Transaction Search (includes "golden metrics" and complete visibility into application transaction spans)

This example assumes that you are not using the first time free trial (learn more about free trail in AWS Free Tier above).

If you monitor an application that generates 72 TB of spans per month, and index 2% of spans ingested.

Monthly Ingested charges

0 to 10TB @$0.35 per GB = 10 * 1,024 * $0.35 = $3,584.00

10TB to 30TB @$0.20 per GB = 20 * 1,024 * $0.20 = $4,096.00

30TB to 72TB @$0.15 per GB = 42 * 1,024 * $0.15 = $6,451.20

Total Ingestion Charges = $3,584 + $4,096 + $6,451.2 = $14,131.20 per month

Monthly Indexed charges

Assuming 1 span = ~1kB, 72 TB translates to 72B spans per month. Since you are indexing only 2%, this translates to 1.44B spans. Since 1% of spans indexed are included in the monthly ingested charges, you only pay for 1% of 720M spans per month, instead of full 2% of 1.44B spans.

720M @$0.75 per million spans indexed = 720M * $0.75 = $540 per month

Total charges

$14,131.20 + $540 = $14,671.2 per month

If you monitor an application that generates 10 TB of spans per month, 18 TB of Embedded metric format (EMF) log records as application metrics and indexes 1% of spans as trace summaries, the total GB ingested is 28TB (10+18).

Monthly Ingested charges

0 to 10TB @$0.35 per GB = 10 * 1,024 * $0.35 = $3,584.00

10TB to 30TB @$0.20 per GB = 18 * 1,024 * $0.20 = $3,686.00

Total Ingestion Charges = $3,584 + $3,686 = $7,270 per month

Monthly Indexed spans charges

No charges for indexed spans since 1% of spans indexed are included in the pricing model.

Note: Spans ingested as logs will not incur log ingestion pricing

Example 14 - Application observability: Application Signals (includes "golden metrics", no visibility into application transaction spans)

Application Signals:

If you monitor an application that receives 25,000 requests per minute (inbound service requests), and for each inbound request, the application makes 2 requests to dependencies (outbound dependency requests), your charges would be as follows:

Application Signals for inbound service requests: 25,000 requests per minute * 43,800 minutes in a month = 1,095,000,000 Application Signals per month

Application Signals for outbound dependency requests: 25,000 requests per minute * 2 outbound dependency requests * 43,800 minutes in a month = 2,190,000,000 Application Signals per month

Total Application Signals from requests = 1,095,000,000 + 2,190,000,000 = 3,285,000,000 Application Signals per month

Service Level Objectives (SLOs):

Each service level objective (SLO) generates two Application Signals per SLI metric period. If you create 10 SLOs with a 1-minute SLI metric period, 10 SLOs with a 5-minute SLI metric period, and 10 SLOs with a 10-minute SLI metric period, your total number of application signals would be as follows:

Application Signals for SLOs with 1-minute SLI metric period: (10 SLOs * 2 Application Signals 43,800 minutes in a month) / 1-minute SLI metric period = 876,000 Application Signals per month

Application Signals for SLOs with 5-minute SLI metric period: (10 SLOs * 2 Application Signals * 43,800 minutes in a month) / 5-minute SLI metric period = 175,200 Application Signals per month

Application Signals for SLOs with 10-minute SLI metric period: (10 SLOs x 2 ApplicationSignals x 43,800 minutes in a month) / 10-minute SLI metric period = 87,600 Application Signals per month

Total Application Signals from SLOs: 876,000 + 175,200 + 87,600 = 1,138,800 Application Signals per month

Total number of Application Signals from requests and SLOs = 3,285,000,000 + 1,138,800 = 3,286,138,800 Application Signals per month

Total charges for Application Signals:
First 100 million signals * $1.50 per 1 million Application Signals = $150
Next 900 millionsignals * $0.75 per 1 million per month Application Signals = $675
Remaining 2,286,138,800 signals * $0.30 per 1 million per month Application Signals = $685.84

Total charges for Application Signals & SLOs = $150 + $675 + $685.84 = $1,510.84 per month

X-Ray traces:

By default, X-Ray tracing is enabled at a 5% sampling rate when implementing Application Signals. This default tracing rate can optionally be adjusted higher or lower.

If you monitor 1 application that receives 25,000 requests per minute (inbound service requests) and you are using the default 5% sampling rate, your tracing charges are as follows:

Traces stored:

Traces stored per month = 25,000 requests per minute * 43,800 minutes per month * 5% sample rate = 54,750,000 traces stored per month

Billable traces stored = 54,750,000 traces stored – 100,000 traces in free tier = 54,650,000 traces stored per month

Traces stored charges = 54,650,000 traces stored * $0.000005 = $273.25 per month

In addition, let's assume you make 100 queries per day, with each query scanning the last hour of data capture compromising 75,000 traces, and retrieve the full trace data for 50 traces per query.

Traces retrieved and scanned:

Traces scanned = 100 queries * 75,000 traces per hour * 31 days = 232,500,000 traces scanned per month

Traces retrieved = 100 queries * 50 traces per query * 31 days = 155,000 traces retrieved per month

Total traces retrieved and scanned = 155,000 traces + 232,500,000 traces = 232,655,000 traces retrieved/scanned per month

Billable Traces retrieved and scanned = 232,655,000 traces - 1,000,000 traces in free tier = 231,655,000 traces retrieved and scanned per month

Traces retrieved and scanned charges = 231,655,000 traces * $0.0000005 = $115.82 per month

Total charges for X-Ray tracing = $273.25 traces stored + $115.82 traces scanned/retrieved = $389.07 per month

Total charges: $1,510.84 for Application Signals and SLOs + $389.07 for X-Ray traces = $1,899.91 per month

In addition, you can use Synthetics and RUM (real user monitoring) with Application Signals. Refer to individual pricing examples for charges.

Example 15 - Application observability: X-Ray tracing

X-Ray Tracing

If you have an application which receives 2,000 incoming requests per hour and you're using a 10% sampling rate, then your cost would be calculated as follows:

Traces Recorded

Traces Recorded per Month = 2,000 requests per hour x 24 hours x 31 days x 10% = 148,800 traces

Billable Traces Recorded per Month = 148,800 traces - 100,000 traces in free tier = 48,800 traces

Monthly Traces Recorded Charges = 48,800 traces * $0.000005 = $0.24

In addition, let's assume you make 100 queries per day each scanning the last hour of data captured (200 traces), and retrieve the full trace data for 50 traces per query.

Traces Retrieved and Scanned
Traces Scanned per Month = 100 queries x 200 traces per hour x 31 days = 620,000 traces
Traces Retrieved per Month = 100 queries x 50 traces per query x 31 days = 155,000 traces
Total Traces Retrieved/Scanned per Month = 155,000 traces + 620,000 traces = 775,000 traces
Billable Traces Retrieved/Scanned per Month = 775,000 traces - 1,000,000 traces in free tier = 0 traces
Monthly Traces Retrieved and Scanned Charges = 0 traces * $0.0000005 = $0

In addition, let's assume you have enabled X-Ray Insights on any or all X-Ray groups.

X-Ray Insights Traces Processed
Traces Recorded per Month = 2,000 requests per hour x 24 hours x 31 days x 10% = 148,800 traces
Monthly Insights Traces Processed Charges = 148,800 traces * $0.000001 = $0.15

Your total cost per month for using X-Ray tracing equals $0.24+ $0.15 = $0.39.

By default, X-Ray tracing is enabled at a 5% sampling rate when implementing Application Signals. This default tracing rate can optionally be adjusted higher or lower.

If you monitor 1 application that receives 25,000 requests per minute (inbound service requests) and you are using the default 5% sampling rate, your tracing charges are as follows:

Traces stored:

Traces stored per month = 25,000 requests per minute *43,800 minutes per month* 5% sample rate = 54,750,000 traces stored per month

Billable traces stored = 54,750,000 traces stored – 100,000 traces in free tier = 54,650,000 traces stored per month

Traces stored charges = 54,650,000 traces stored * $0.000005 = $273.25 per month

In addition, let's assume you make 100 queries per day, with each query scanning the last hour of data capture compromising 75,000 traces, and retrieve the full trace data for 50 traces per query.

Traces retrieved and scanned:

Traces scanned = 100 queries *75,000 traces per hour* 31 days = 232,500,000 traces scanned per month

Traces retrieved = 100 queries *50 traces per query* 31 days = 155,000 traces retrieved per month

Total traces retrieved and scanned = 155,000 traces + 232,500,000 traces = 232,655,000 traces retrieved/scanned per month

Billable Traces retrieved and scanned = 232,655,000 traces - 1,000,000 traces in free tier = 231,655,000 traces retrieved and scanned per month

Traces retrieved and scanned charges = 231,655,000 traces * $0.0000005 = $115.82 per month

Total charges for X-Ray tracing = $273.25 traces stored + $115.82 traces scanned/retrieved = $389.07 per month

Total charges: $1,510.84 for Application Signals and SLOs + $389.07 for X-Ray traces = $1,899.91 per month

In addition, you can use Synthetics and RUM (real user monitoring) with Application Signals. Refer to individual pricing examples for charges.

Example 16 – Application observability: End user monitoring with Synthetics

If you create 5 canaries that run once every 5 minutes, add alarms on 5 of the metrics generated by the canaries, and store the data for 1 month, your monthly bill will be calculated as follows:

5 canaries * 12 runs per hour * 24 hours per day * 31 days per month = 44,640 canary runs

Monthly CloudWatch charges

Canary run charges = 44,640 canary runs * $0.0012 per canary run = $53.57 per month
5 alarms per month = 5 * $0.10 = $0.50 per month
Total monthly CloudWatch charges = $53.57 + $0.50 = $54.07

Monthly additional charges

Each canary run also runs an AWS Lambda function, writes logs and results to CloudWatch Logs and the designated Amazon S3 bucket, and creates CloudWatch custom metrics. For details on AWS service pricing such as AWS Lambda, Amazon S3, CloudWatch Logs, and CloudWatch Metrics see the pricing section of the relevant AWS service detail pages.

Lambda charges = requests charges + duration charges
= requests from 44,640 runs * $0.2 per 1,000,000 + duration of 20 seconds * 44,640 canary runs * 1 GB memory size * $0.000016667 per GB per sec
= $0.01 + $14.88 = **$14.89 per month**

CloudWatch Logs charges = collection charges + storage charges
= collection of 0.00015 GB per run * 44,640 runs * $0.5 per GB + storage of 0.00015 GB per run* 44,640 canary runs * $0.03 per GB per month
= $3.35 + $0.20 = **$3.55 per month**

S3 charges = put request charges + storage charges
= put requests of 44,640 runs * $0.005 per 1,000 requests + storage of 0.001 GB per run * 44,640 canary runs * 1 month * $0.023 per GB per month
= $0.22 + $1.03 = **$1.25 per month**

CloudWatch Metrics charges = 3 CloudWatch Metrics (SuccessPercent, Duration, Failed) = 3 metrics x $0.30 per metric per month = **$0.90 per month**

You can choose to configure additional metrics in your canary scripts: executeHttpStep() and executeStep() metrics and will be charged at custom CloudWatch Metrics rates.

Additional monthly charges = $14.89 + $3.55 + $1.25 + $0.90 = **$20.59 per month**

Total monthly charges = $54.07 + $20.59 = $74.66

Pricing values displayed here are based on US East Regions. Please refer to pricing tabs for most current pricing information for your respective Region(s).

Example 17 – Application observability: CloudWatch RUM for web and mobile applications

If your web application has 500,000 visits in a month, and you're collecting RUM events at 100% sampling for page load performance and errors with 20 data events — including one start event, one page view event, and 10 performance events (three web vitals, one paint, one navigation, five resource loads), and eight errors per visit — your charges would be as follows:

Total number of RUM web events = 20 data events/visit * 500,000 visits = 10,000,000 events
Charges for 10,000,000 RUM web events @ $1 per 100,000 events = 10,000,000* $1/100,000 = $100

Monthly RUM web events charges = $100 per month

If your mobile application has 2 million user sessions per month, and you're collecting RUM OpenTelemetry (OTEL) spans and events with 70 events and spans per session — which typically includes one app start event, one screen view event, 30 performance events (three core vitals, one render event, one navigation event, 25 resource loads), and 38 errors per session. Assuming size of each event or span is 1Kb — your charges would be as follows:
Total number of RUM OTEL events and spans = 70 events and spans/session × 2,000,000 sessions x 1Kb per event or span = 140 GB of data ingested.
Charges for 140 GB of RUM mobile events and spans ingested @ $0.35 per GB = 140 GB × $0.35/GB = $49.00 per month

Monthly RUM mobile data ingested charges = $49.00 per month

Total RUM charges for web and mobile monitoring = $100/month for web + $49/month for mobile = $149/month

Example 18 - Container Insights for Amazon EKS and Kubernetes (with & without enhanced observability)

1/Container Insights with enhanced observability for Amazon EKS

When using Container Insights with enhanced observability, you will be charged based on the number of observations across your container environment where the total number of observations ingested is dependent on your container set-up including the number of container components. Assume a set-up where you monitor 1 cluster with 10 nodes, 1 namespace, 5 unique service names, 16 workloads, 20 pods, and 20 containers and the data points are reported for the entire month.

There is an average number of observations ingested per minute for each EKS container component. Every cluster reports 1,720 observations; every node reports 68 observations; every namespace reports 2 observations; every service reports 2 observations; every workload reports 7 observations; every pod reports 138 observations and every container reports 21 observations per minute on average.

With a monitoring charge as follows:
Total number of monthly Container Insights observations
= [(1 cluster * 1,720 observations) + (10 nodes * 68 obs) + (1 namespace * 2 obs) + (5 services * 2 observations) + (16 workloads * 7 observations) + (20 pods * 138 observations) + (20 containers * 21 observations)] * 60 mins * 24 hrs * 30 days
= [1,720 + 680 + 2 + 10 + 112 + 2760 + 420] * 43,200 mins/month = 246,412,800 observations per month

Your monthly Container Insights bill = 246,412,800 * $0.21 / 1M Observations = **$51.75**

Once you exceed 1B observations per month then volume pricing tiers will apply respectively.

Additionally, all container logs are collected by default. Container Insights adds 700 bytes per log line for the metadata required to enable filtering. Container logs will continue to be charged based on standard CloudWatch logs ingestion and logs storage pricing.

2/Container Insights without enhanced observability for Amazon EKS and Kubernetes

If you are monitoring 1 container cluster with 10 nodes or Amazon EC2 instances, 20 pods, 5 unique service names, and 1 namespace, your charges for the aggregated cluster and service-level metrics would be as followed:

CloudWatch metrics

There is a predefined number of metrics reported for every cluster, node, pod, and service. Every cluster reports 24 metrics; every node reports 8 metrics; every pod reports 9 metrics; and every service reports 6 metrics. CloudWatch metrics are aggregated by pod, service, and namespace using their name. Increasing the count of running instances will not impact the count of CloudWatch metrics generated. All CloudWatch metrics are prorated on an hourly basis. This example assumes that data points are reported for the entire month.

Monthly number of CloudWatch metrics per cluster
= 24 cluster metrics + (10 nodes or EC2 instances * 8 node metrics) + (20 unique pod names * 9 pod metrics * 1 namespace) + (5 unique service names * 6 service metrics * 1 namespace) + (1 unique namespace * 6 namespace metrics)
= 24 + (10 * 8) + (20 * 9 * 1) + (5 * 6 * 1) + (1 * 6) = 320 CloudWatch metrics

Monthly CloudWatch metrics costs = $0.30 per metric for first 10,000 metrics * 320 metrics = $96

Once you exceed 10,000 total metrics then volume pricing tiers will apply - see metrics pricing table for details.

CloudWatch Logs

In this example, we assume an average size for Kubernetes logs ingested per month for each EKS container component, as follows. Every cluster reports 0.01621 GB logs; every namespace reports 0.0185 GB logs; every service reports 0.02182 GB logs; every node reports 0.21365 GB logs and every pod reports 0.45845 GB logs per month on average.

The cost of logs ingested will vary based on names used for your cluster, container, pod, service, instance names, labels, etc.

Monthly GB of CloudWatch Logs ingested = (1 cluster * 0.01621 GB) + (1 namespace * 0.0185 GB) + (5 services * 0.02182 GB) + (10 nodes * 0.21365 GB) + (20 pods * 0.45845 GB) = 11.45 GB per month

Monthly ingested logs costs = $0.50 per GB of ingested logs * 11.45 GB of performance events as CloudWatch Logs = $5.73 per month

Monthly CloudWatch costs = $96 + $5.73 = $101.73 per month

Pricing values displayed here are based on US East (N. Virginia) AWS Regions. Please refer to the pricing information for your Region.

If you are using container logs, Container Insights adds 700 bytes per log line for the metadata required to enable filtering. Container logs will continue to be charged based on standard CloudWatch logs ingestion and logs storage pricing.

Example 19 - Container Insights for Amazon ECS (with & without enhanced observability)

1/Container Insights with enhanced observability for Amazon ECS

When using Container Insights with enhanced observability, you will be charged based on the number of metrics ingested across your container environment where this number is dependent on your container set-up including the number of container components. Assume a set-up where you monitor 1 container cluster with 5 unique service names, 10 unique task names with 20 unique task ids, and 50 average running containers, your charges would be as follows:

There is a predefined number of metrics reported for every cluster, task, service, and containers **running on Fargate**. Every cluster reports 29 metrics; every service reports 31 metrics; every task definition reports 26 metrics; every task reports 26 metrics, and every container reports 26 metrics. All CloudWatch metrics are prorated on an hourly basis. This example assumes that data points are reported for the entire month.

Monthly number of CloudWatch metrics

= (29 cluster metrics * 1 unique cluster name) + (31 service metrics * 5 unique service names) + (26 task definition metrics * 10 unique task names) + (26 task metrics * 20 unique task ids) + (26 container metrics * 50 unique container ids)
= (29 * 1) + (31 * 5) + (26 * 10) + (26 * 20) + (26 * 50)
= 2,264 CloudWatch metrics

Monthly CloudWatch metrics costs = $0.07 per metric * 2,264 metrics = $158.48

If you are using container logs, they will be charged based on standard CloudWatch logs ingestion and logs storage pricing. Note that Container Insights adds 700 bytes per log line for the metadata required to enable filtering.

For ECS clusters **running on EC2**, every cluster reports 24 metrics; every service reports 26 metrics; every task definition reports 21 metrics; every task reports 22 metrics and every container reports 20 metrics.

2/Container Insights without enhanced observability for Amazon ECS

Container Insights offers Amazon ECS monitoring by providing aggregated metrics at the cluster and service level. If you monitor 1 container cluster with 5 unique service names, 10 unique task names, and 50 average running containers, your costs would be as follows:

CloudWatch metrics

There is a predefined number of metrics reported for every cluster, task, and service **running on Fargate**. Every cluster reports 13 metrics; every service reports 15 metrics; and every task reports 10 metrics. CloudWatch metrics are aggregated by task and service using their name. Increasing the count of running instances or containers will not impact the count of CloudWatch metrics generated. All CloudWatch metrics are prorated on an hourly basis. This example assumes that data points are reported for the entire month.

Monthly number of CloudWatch metrics

= (13 cluster metrics * 1 unique cluster) + (15 service metrics * 5 unique service names) + (10 task metrics * 10 unique task names)
= (13 * 1) + (15 * 5) + (10 * 10)
= 188 CloudWatch metrics

Monthly CloudWatch metrics costs = $0.30 per metric for first 10,000 metrics * 188 metrics = $56.40.

Once you exceed 10,000 total metrics then volume pricing tiers will apply - see metrics pricing table for details.

For ECS clusters **running on EC2**, every cluster reports 11 metrics; every service reports 13 metrics; and every task reports 8 metrics.

CloudWatch Logs

For Amazon ECS, there is an assumed average logs size ingested for every cluster, service, task, and container. Every cluster reports 0.0181 GB logs; every service reports 0.02816 GB logs; every task reports 0.06437 GB logs and every container reports 0.04426 GB logs per month on average.

The cost of logs ingested will vary based on names used for your cluster, container, pod, service, instance names, labels, etc.

Monthly GB of CloudWatch Logs ingested = (1 cluster * 0.0181 GB) + (5 services * 0.02816 GB) + (10 task names * 0.06437 GB) + (50 containers * 0.04426 GB) = 3.02 GB per month

Monthly ingested logs costs = $0.50 per GB of ingested logs * 3.02 GB of performance events as CloudWatch Logs = $1.51 per month

Monthly CloudWatch costs = $56.40 + $1.51 = $57.91 per month.

Pricing values displayed here are based on US East (N. Virginia) AWS Regions. Please refer to the pricing information for your Region.

If you are using container logs, Container Insights adds 700 bytes per log line for the metadata required to enable filtering. Container logs will continue to be charged based on standard CloudWatch logs ingestion and logs storage pricing.

Example 20 - Database Insights

The Advanced mode of Database Insights is priced at $0.0125 per vCPU-hour for each provisioned instance, and $0.003125 per ACU-hour for each Aurora Serverless v2 instance in an Aurora cluster. For both Aurora and RDS databases, you can enable the Advanced mode of Database Insights at the cluster level, but not individually for each instance.

Below is an example for an Aurora Cluster that has one provisioned writer (db.r5.xlarge) and two Serverless v2 reader instances. In this case, the calculation of your monthly charges will be determined as follows:

- Total vCPU count = (vCPU count of db.r5.xlarge × 1) = (4 × 1) = 4
- Total ACU count = Sum of average ACU usage for 2 reader instances (assuming the ACU usage of 10 and 22 for the 2 Aurora Serverlss v2 instances) = 10 + 22 = 32
- **Monthly Charges** = (Total vCPU usage × hourly vCPU rate for the Advanced mode of Database Insights × number of hours in the month) + (Total ACU usage × hourly ACU rate for the Advanced mode of Database Insights × number of hours in the month) = (4 × 0.0125 × 720) + (32 x 0.003125 x 720) = $108
- Usage of this feature is metered by the hour, and the partial hours are rounded up.
- Pricing does not depend on the actual amount of performance data stored.
- If you switch to the Standard mode of Database Insights, performance data older than seven days is deleted.

Example 21 - Network Monitoring

CloudWatch Network Monitoring with flow monitoring for EC2
Let's imagine you are a retail company that wants to monitor network performance for a payment collection workload. The payment collection workload is deployed on 30 EC2 instances in a single VPC. You are interested in deploying flow monitoring across all these instances. Your monthly Flow monitoring charges are as follows:

1. Monitored resource charges:
30 days * 24 hours = 720 hours
Total number of monitored resources = 30 EC2 instances = 30 monitored resources
Since we offer 10 monitored resources for free for the first 12 months, you will be charged for the remaining = 30-10 = 20 monitored resources
20 monitored resources at $0.0069 per monitored resource per hour = 20 * $0.0069 = $0.138 * 720 hours = $99.36 per month

2. CloudWatch metrics charges:
Let's assume you create 5 monitors to monitor workloads running on these 30 instances. Each monitor vends 5 CloudWatch metrics.
Total number of metrics: 5 monitors * 5 metrics per monitor = 25 metrics
Total CloudWatch charges for metrics: 25 metrics * $0.30/metric/month = $7.5 per month
Total charge for flow monitoring in this example: $99.36 + $7.5 = $106.86 per month

CloudWatch Network Monitoring with flow monitoring for EKS container network observability
Turning on container network observability will create 1 agent for each Kubernetes worker node, and create 1 flow monitor that vends 5 CloudWatch metrics.

Monthly usage: 30 days * 24 hours = 720 hours

EKS cluster with 50 nodes
CloudWatch charges for metrics: 5 metrics * $0.30/metric/month = $1.50 per month
Charges for flow monitoring: 50 nodes * $0.0069 per monitored resource per hour = $0.345 * 720 hours = $248.40 per month
Total charge for Network Monitoring with flow monitoring for EKS container network observability: $1.50 + $248.40 = $249.90 per month

EKS cluster with 1500 nodes
CloudWatch charges for metrics: 5 metrics * $0.30/metric/month = $1.50 per month
Charges for flow monitoring: 1500 nodes * $0.0069 per monitored resource per hour = 10.35 * 720 hours = $7,452 per month
Total charge for Container Network Observability for EKS: $1.50 + $7,452 = $7453.50 per month

CloudWatch Network Monitoring with internet monitoring
If you add 10 CloudFront distributions and 20 Virtual Private Clouds (VPCs) to a monitor for monitoring 45,000 city-networks, your charges will be as follows:

1. Monitored resource charges:
30 days * 24 hours = 720 hours
Total number of monitored resources = 10 CloudFront distributions + 20 VPCs = 30
30 monitored resources at $0.01 per monitored resource per hour = 30 * $0.01 = $0.30 per hour = $0.30 * 720 hours per month = $216 per month

2. Monitored city-network charges:
Total monitored city-networks = 45,000, First 100 city-networks = $0
Total monitored city-networks per month = 45,000 per hour * 720 hours/month = 32,400,000 city-network hours/month
First 100 city-networks per hour, total per month (flat value every month) = 72,000 city-network hours/month
Total billed city-network hours/month = 32,400,000 city-network hours/month - 72,000 city-network hours/month = 32,328,000 city-networks hours/month
32,328,000 city-networks hours/month at $0.74 per 10,000 city-networks per hour = 32,328,000 * $0.000074 = $2392.27 per month

3. CloudWatch Logs charges:
Out of 45,000 city-networks, Internet monitoring would only publish CloudWatch Logs for the top 500 city-networks which is less than 500 MB log data per day, or (500 MB * 30) = 15 GB of data per month. If you exclude the free coverage (example: 5 GB), the remaining log data you're charged for would be 10 GB (15 GB - 5 GB). If the fee per GB was $0.50 per month, a reasonable example, your monthly charges for CloudWatch Logs would be under $0.50 * 10 GB = $5 per month.
Total charge for internet monitoring in this example: $216 + $2392.27 + $5 = $2,613.27 per month

CloudWatch Network Monitoring with synthetic monitoring
Let's imagine you are a financial institution that wants to monitor the performance of your trading applications using Synthetic monitoring. For resilience, you have distributed your application across three Availability Zones, mapping to three subnets. Your infrastructure connects to eight on-premises IP addresses via redundant AWS Direct Connect links. Your monthly bill for using synthetic monitoring in US East (N. Virginia) would be calculated as follows:

1. Monitored resource charges:
30 days * 24hrs = 720 hours
Total number of VPC subnets: 3
Total number of on-premises destinations accessible from each VPC subnet: 8
3 VPC subnets to the first 4 destinations at $0.10 per monitored resource per hour = 3 * 720 hours * $0.10 = $216 per month
Multiplied by 2 to account for 8 destinations = $216 * 2 = $432 per month

2. CloudWatch metrics charges:
For each probe Synthetic monitoring vends 3 CloudWatch metrics
Number of monitored probes: 3 subnets * 8 destination IP addresses = 24 probes
Total number of metrics: 24 probes * 3 metrics per probe = 72 metrics
Total CloudWatch charges for metrics: 72 metrics * $0.30/metric/month = $21.60 per month
Total charge for synthetic monitoring in this example: $432 + $21.60 = $453.60 per month

Additional pricing resources

AWS Pricing Calculator
Easily calculate your monthly costs with AWS.

Get pricing assistance
Contact AWS specialists to get a personalized quote.

A Framework for Cloud Success
Operate securely in the cloud at scale. Read the eBook »

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