AWS IoT FleetWise Pricing

Vehicles
You pay for each active vehicle that you create on AWS IoT FleetWise (that is, per unique vehicle name). A vehicle is active once it connects or checks-in with AWS IoT FleetWise, even if no messages are sent. You are charged for each active vehicle, each month. Charges are not prorated for partial months, nor can you exchange one vehicle for another mid-month. If you remove a vehicle from AWS IoT FleetWise, you are no longer charged for that vehicle in following months.

Messages
Vehicles send data to the cloud through messages, which you are additionally billed for. Message size can vary and is metered in 5 KB increments, so a 7 KB message would be billed as two messages.

Other AWS services
Vehicle data storage costs are billed outside of AWS IoT FleetWise and incurred directly to Amazon S3 or Amazon Timestream.

AWS Pricing Calculator

Calculate your AWS IoT FleetWise vehicle and messaging costs.

Create your custom estimate now »

Pricing Tables

Tiered vehicle costs (monthly)

Region:
US East (N. Virginia)

Pricing Tier	Volume (vehicles/month)	Price (per unique vehicle per month)
Tier 1	First 10,000 vehicles	$0.60 per unique vehicle per month
Tier 2	10,001 - 1,000,000 vehicles	$0.45 per unique vehicle per month
Tier 3	>1,000,000 vehicles	$0.35 per unique vehicle per month

Tiered messaging costs (monthly)

Region:
US East (N. Virginia)

Pricing Tier	Volume (messages/month)	Price (per million messages*)
Tier 1	First 1 billion messages	$1.75 per million messages per month
Tier 2	1 billion messages - 500 billion messages	$1.60 per million messages per month
Tier 3	> 500 billion messages	$1.45 per million messages per month

*Messages are billed in <=5KB increments (compressed data)

Pricing examples

Pricing example 1

A large fleet operator collects vehicle telemetry data at a high frequency. Among other use cases, it uses the data to calculate driver behavior scores, which enables cost optimization for usage-based insurance. For this example, we assume an average fleet size of 50,000 active vehicles connected to AWS IoT FleetWise in the US East (N. Virginia) region. Each car sends 22,500 messages per month sized at 4 KB per car (22,500*4 KB = 90 MB). The messages are processed by AWS IoT FleetWise and stored as compressed Apache Parquet files (70MB) in Amazon S3 (S3 Standard) for 12 months.

Component	Units	Tier	Unit price	Total costs
AWS IoT FleetWise vehicle costs	50,000 vehicles	Vehicle cost Tier 1 (first 10,000 vehicles) Vehicle cost Tier 2 (next 40,000 vehicles)	$0.60 per vehicle per month $0.45 per vehicle per month	$24,000 per month
AWS IoT FleetWise messaging costs	1,125,000,000 messages (22,500 messages per vehicle per month)	Messaging cost Tier 1 (first 1 billion messages) Messaging cost Tier 2 (next 125 million messages)	$1.75 per million messages $1.60 per million messages	$1,950 per month
Amazon S3 costs (estimated)			$0.32 per vehicle per month	$16,000 per month

To understand the customer's annual (12-months) costs to use AWS IoT FleetWise for a 50,000-vehicle fleet, we summarize:

AWS IoT FleetWise vehicle costs:
Tier 1: first 10,000 vehicles * $0.60 per vehicle * 12 months = $72,000.00

Tier 2: next 40,000 vehicles * $0.45 per vehicle * 12 months = $216,000.00

Total AWS IoT FleetWise vehicle costs: $72,000.00 + $216,000.00 = $288,000.00

AWS IoT FleetWise messaging costs:

Tier 1: first 1,000,000,000 messages * $1.75 per million message / 1 million * 12 months = $21,000.00

Tier 2: next 125,000,000 messages * $1.60 per million message / 1 million * 12 months = $2,400.00

Total AWS IoT FleetWise messaging costs: $21,000.00 + $2,400.00 = $23,400.00

Amazon S3 charges (estimated): $0.32 per vehicle per month * 50,000 vehicles * 12 months = $192,000.00

Total annual costs:

$288,000.00 AWS IoT FleetWise vehicle costs + $23,400.00 AWS IoT FleetWise messaging costs + $192,000.00 Amazon S3 costs.

Total = $ 503,400.00 per year

Pricing example 2

A regional car rental company provides its customer service team with near real time data for vehicle health metrics to support drivers with issues. In this example we assume an average fleet size of 1,000 active vehicles connected to AWS IoT FleetWise in the US East (N. Virginia) region. Each car sends 15,000 compressed messages per month sized at 3 KB per car (15,000*3 KB = 45 MB). The messages are processed by AWS IoT FleetWise and stored after decompression to 110MB in Amazon Timestream for 24 hours.

Component	Units	Tier	Unit price	Total costs
AWS IoT FleetWise vehicle costs	1,000 vehicles	Vehicle cost Tier 1	$0.60 per vehicle per month	$600 per month
AWS IoT FleetWise messaging costs	15,000,000 messages (15,000 messages per vehicle per month)	Messaging cost Tier 1	$1.75 per million messages	$26.25 per month
Amazon Timestream costs (estimated)			$0.0972 per vehicle per month	$97.20 per month

To understand the customer's annual (12-months) costs to use AWS IoT FleetWise for a 1,000-vehicle fleet, we summarize:

AWS IoT FleetWise vehicle costs:

1,000 vehicles * $0.60 per vehicle * 12 months = $7,200.00

AWS IoT FleetWise messaging costs:

15,000 messages per vehicle * 1,000 vehicles * $1.75 per million message / 1 million messages * 12 months = $315.00

Amazon Timestream costs (estimated): $0.0972 per vehicle per month * 1,000 vehicles * 12 months = $1,166.40

Total annual costs:

$7,200.00 AWS IoT FleetWise vehicle costs + $315.00 AWS IoT FleetWise messaging costs + $1,166.40 Amazon Timestream costs.

Total = $8,681.40 per year

Additional pricing resources

AWS Pricing Calculater
Easily calculate your monthly costs with AWS

Get pricing assistance
Contact AWS specialists to get a personalized quote

Get started with AWS IoT Fleetwise

Find out how AWS IoT FleetWise works →

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