



AWS COST · SAMPLE DELIVERABLE

Spend Baseline: Nine Accounts, One New Payer

Week 1 of 6: Baseline · prepared for Tidepost, Inc.

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April 10, 2026 · AWS Cost Analysis & Optimization: The Optimization (six weeks)

SAMPLE DELIVERABLE

This is a sample deliverable. Tidepost, Inc. is a fictional company: its people, products, users, accounts, investors, and figures are invented for this sample, and any resemblance to a real company, person, product, or publication is coincidental. AWS prices are list prices from the AWS Price List API retrieved on October 13, 2026, and from the public AWS Price List bulk API on October 18, 2026.

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Executive summary

Tidepost’s AWS bill is \$175,897 a month at the April 6 run rate, or \$2,110,762 a year, across nine accounts under one payer. Dev Raman and Kofi Brandvold: this is the first report of the cost engagement. It prices nothing for savings, because the first week answers a different question: what does the bill consist of, who runs each part of it, and where does the data come from? Business Support+ is billed on top, monthly, at \$10,595, and sits in no daily series ([Business Support+](#)).

What you most need to know from week one:

- 1. **Three service groups are \$75,561 a month, 43.0% of the bill.** CloudFront is \$25,488 (14.5%), Rekognition is \$25,475 (14.5%), and S3 is \$24,598 (14.0%) ([By service group](#)).
- 2. **The bill grew 115.1% in eleven months, in steps that match product decisions.** It went from \$79,400 in April 2025 to \$170,800 in March 2026, and the April run rate is \$175,897. The largest step, \$14,900 in July 2025, came with Rekognition Video beside the frame path ([Twelve months of spend](#)).
- 3. **The run rate rose \$18,332 a month since January, and earlier engagements both added and removed cost.** The security engagement removed a forgotten GPU instance (\$4,141 a month) and turned on security services; the Well-Architected Remediation added redundancy. This engagement counts none of that ([From January to April](#) and [What earlier engagements already removed](#)).
- 4. **Some of the estate is already well run, and the reports say so.** The managed data stores run on Graviton, CloudFront fronts the video, Lambda orchestration costs \$463 a month, and DynamoDB is the right store for the online features ([What is already done well](#)).
- 5. **The data has a seam in it, and we say where.** Months before January 28 come from a Cost Explorer extract by service; the Cost and Usage Report carries January 28 forward, in the new payer account; cost allocation tags are active from March 11 ([The seam in the data](#)).
- 6. **Vantalect reads this data with one read-only role and one Athena workgroup.** The role cannot change a resource, and it writes only Athena query results, under one prefix ([The read-only role](#)).

The baseline at a glance. The run rate prices the estate on April 6 for a 730-hour month at AWS list prices for us-east-1; the notice at the front of this report names the dates the prices were retrieved.

Measure	Value
April 6 run rate, per month, at list	\$175,897
Annualized	\$2,110,762
January 5 run rate, per month, for comparison	\$157,565
Business Support+, April, per month (not in the run rate)	\$10,595
Last twelve complete months, April 2025 through March 2026	\$1,508,100
Accounts, and payers	9 and 1
Service groups, and bill lines	16 and 67
Share of the April bill priced from the AWS Price List bulk file	22.3%
Consultant hours this week, of 110 for the engagement	21

How to read the dollar figures

Every figure is U.S. dollars per month unless it says "a year." A run rate is not a month's invoice: it prices the estate as it stood on one day, every resource for 730 hours, while a month's invoice holds the days each resource really ran. March's invoice was \$170,800 and the April run rate is \$175,897, \$5,097 more, because the run rate holds the estate at the size it has now for the whole month. Savings are not ranked this week; next week's Analysis ranks them.

This week

- **Monday, April 6.** Kickoff with Dev Raman (Co-founder and Chief Technology Officer) and Kofi Brandvold (Head of Platform). Tidepost created vantalect-cost-analysis in tp-management the same day, and vantalect-cost-readonly in each member account, deployed by a StackSet from tp-management. Both are deleted on May 15.
- **The rest of the week.** The finance session with Gwen Tallis (Vice President, Finance) on the invoice, the budgets, and the commitment decision to come; a resource inventory of all nine accounts; and the twelve-month history tied to the invoices.
- **Friday, April 10.** This report.

Access and data sources

This section records what we read, so that every number in the rest of the engagement can be reproduced and challenged by Tidepost's own engineers.

What the numbers come from

The sources behind the baseline.

Source	What it gives us	Window and limits
Cost and Usage Report 2.0 (Data Exports), tidepost-cur2 in tp-management	CUR 2.0, Parquet, hourly, with resource IDs: cost by account, service, resource ID, and tag	From January 28; the export did not exist before the join. Daily rows finalize about 48 hours after the day ends
AWS Cost Explorer extract, January 27	Twelve months of Cost Explorer data by service and usage type	Ends January 27; no resource IDs and no tags. Gwen Tallis owns it
AWS Price List API and bulk price file	List prices for every quantity in the bill	The notice at the front of this report names the retrieval dates. Seven bill lines use the bulk file (22.3% of the April bill)
Amazon CloudWatch	CPU, memory, GPU, queue depth, and request metrics, for sizing	Read in week two
Resource inventory	A describe call for every resource type in nine accounts	us-east-1, plus the backup copies in us-west-2 held in tp-backup
S3 Inventory and S3 Storage Lens	Object counts and bytes by prefix and storage class	The S3 changes are measured by prefix and class, because the telemetry, originals, and renditions share the account
VPC flow logs and CloudFront logs	Network and delivery metadata	Delivered to S3 as files; no message or media content
Tidepost's tidepost-cdk repository and Well-Architected Tool	Which code builds each resource, and the five HRIs accepted for this engagement	Read-only access to the repository was given by Tidepost

The read-only role

Vantalect reads through one IAM role, vantalect-cost-analysis, in tp-management. It is assumed with an external ID Tidepost generated and sent separately. In the other eight accounts, vantalect-cost-readonly is the same read-only role in each member account, deployed by a StackSet from tp-management. It reads configuration and CloudWatch metrics and nothing else. Neither role can change a resource.

The one thing the role writes. Athena cannot return a result without writing it, so the role is not purely read-only, and we do not claim it is: the role writes only Athena query results, under that one prefix; everything else it can do is read. The queries run in the Athena workgroup `cost-analysis`, over the database `tidepost_cur` and its table `cur2`, and their results land in `s3://tp-management-athena-results/cost-analysis/`. The workgroup enforces that results location and a limit on the bytes one query may scan. Tidepost created both roles on April 6 and deletes both on May 15.

```
JSON
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "ReadBillingAndConfiguration",
      "Effect": "Allow",
      "Action": [
        "ce:Get*", "ce:Describe*", "ce:List*",
        "bcm-data-exports:Get*", "bcm-data-exports:List*",
        "pricing:*", "savingsplans:Describe*",
        "compute-optimizer:Get*", "organizations:Describe*",
        "organizations:List*", "ec2:Describe*", "eks:Describe*",
        "eks:List*", "rds:Describe*", "elasticache:Describe*",
        "es:Describe*", "es:List*", "kinesis:Describe*",
        "kinesis:List*", "dynamodb:Describe*", "dynamodb:List*",
        "sagemaker:Describe*", "sagemaker:List*", "ecr:Describe*",
        "ecr:GetLifecyclePolicy", "cloudwatch:Get*",
        "cloudwatch:List*", "cloudwatch:Describe*", "logs:Describe*",
        "s3:ListAllMyBuckets", "s3:GetBucketLocation",
        "s3:GetLifecycleConfiguration", "s3:GetBucketTagging",
        "s3:GetStorageLensConfiguration"
      ],
      "Resource": "*"
    },
    {
      "Sid": "ReadBillingFilesAndNetworkLogs",
      "Effect": "Allow",
      "Action": ["s3:GetObject", "s3:ListBucket"],
      "Resource": [
        "arn:aws:s3:::cur-bucket",
        "arn:aws:s3:::cur-bucket/*",
        "arn:aws:s3:::network-log-buckets",
        "arn:aws:s3:::network-log-buckets/*"
      ]
    },
    {
      "Sid": "RunQueriesInOneWorkgroup",
      "Effect": "Allow",
      "Action": [
        "athena:StartQueryExecution", "athena:StopQueryExecution",
        "athena:GetQueryExecution", "athena:GetQueryResults",
        "athena:GetWorkGroup"
      ],
      "Resource": "arn:aws:athena:us-east-1:<account-id>:workgroup/cost-analysis"
    }
  ]
}
```

```

    "Sid": "ReadTheCatalog",
    "Effect": "Allow",
    "Action": [
        "glue:GetDatabase", "glue:GetDatabases", "glue:GetTable",
        "glue:GetTables", "glue:GetPartition", "glue:GetPartitions"
    ],
    "Resource": "*"
},
{
    "Sid": "WriteQueryResultsToOnePrefix",
    "Effect": "Allow",
    "Action": ["s3:PutObject", "s3:GetObject", "s3:AbortMultipartUpload"],
    "Resource": "arn:aws:s3:::tp-management-athena-results/cost-analysis/*"
},
{
    "Sid": "NeverReadContents",
    "Effect": "Deny",
    "Action": [
        "dynamodb:GetItem", "dynamodb:BatchGetItem", "dynamodb:Query",
        "dynamodb:Scan", "secretsmanager:GetSecretValue",
        "ssm:GetParameter*", "kinesis:GetRecords", "sqs:ReceiveMessage"
    ],
    "Resource": "*"
},
{
    "Sid": "NoObjectContentsOutsideThreeLocations",
    "Effect": "Deny",
    "Action": "s3:GetObject",
    "NotResource": [
        "arn:aws:s3:::<cur-bucket>/*",
        "arn:aws:s3:::<network-log-buckets>/*",
        "arn:aws:s3:::tp-management-athena-results/cost-analysis/*"
    ]
}
]
}

```

This is the policy on `vantalect-cost-analysis`, trimmed to the statements that matter here. Two limits belong beside it. First, `<cur-bucket>` holds the Cost and Usage Report files and `<network-log-buckets>` hold the VPC flow log and CloudFront log files, which are network and delivery metadata; they are the only buckets whose objects the role can read, apart from its own results prefix. Second, CloudWatch Logs Insights is not in the policy: no one at Vantalect reads application log messages, and where a number needs them (the share of API log bytes at DEBUG, for instance), a Tidepost engineer runs the count and sends the result.

Cost and Usage Report 2.0

The export, `tidepost-cur2`, started in `tp-management` on January 28, so there was no Cost and Usage Report before the join. It is CUR 2.0, Parquet, hourly, with resource IDs. The query below produces the monthly series by service for the months the report holds. It leaves out Business Support+ because that charge is monthly, belongs to the payer, and is in no daily series.

SQL

```
-- Workgroup cost-analysis; results are written under s3://tp-management-athena-results/cost-analysis/
SELECT date_format(bill_billing_period_start_date, '%Y-%m') AS month,
       line_item_product_code AS service,
       round(sum(line_item_unblended_cost), 2) AS cost
FROM tidepost_cur.cur2
WHERE line_item_product_code NOT LIKE 'AWSsupport%'
GROUP BY 1, 2
ORDER BY 1, 3 DESC;
```

Later reports measure each change on a different column, `pricing_public_on_demand_cost`, so that a Savings Plan's discount is never counted as a saving of any other change. Week one needs only the series above.

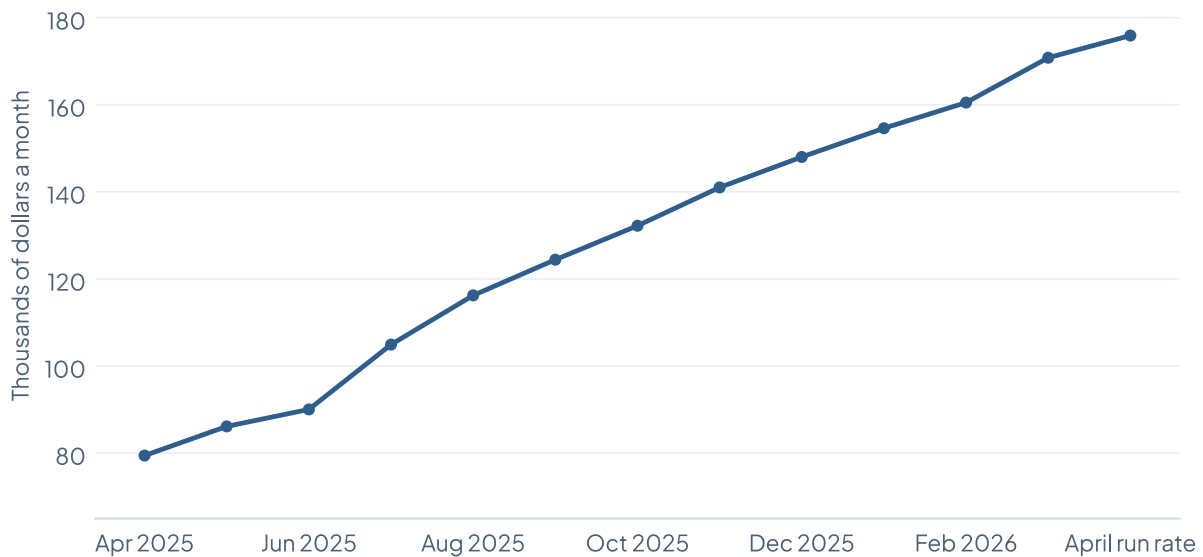
The seam in the data

Three dates matter for every figure in this engagement.

- **January 27.** Gwen Tallis exported twelve months of Cost Explorer data by service and usage type before the founders' account joined the organization. Months before the join come from that extract and nowhere else.
- **January 28.** The founders' account joined as `tp-prod`, and the Cost and Usage Report export started in `tp-management`. January splits at the join: January 1 to 27 on `tp-prod`'s own invoice, January 28 to 31 on `tp-management`'s.
- **March 11.** The cost allocation tags team, environment, service became active, with the Well-Architected Remediation's cost practices (COST03). Spend before that date cannot be cut by tag, and this report does not use tags at all: every figure below is by account and by service. Business Support+ carries no tags, ever.

Twelve months of spend

The baseline is the twelve complete months before kickoff. The bill rose from \$79,400 in April 2025 to \$170,800 in March 2026, a rise of \$91,400, or 115.1%, and it rose in every month. The twelve months total \$1,508,100. The largest single step was \$14,900 in July 2025.



The monthly bill, in thousands of dollars, with the April run rate at the right.

The bill by month. A month's bill is the invoice; the run rate prices one day's estate for the whole month. January 2026 is two sources joined at the payer change ([The seam in the data](#)).

Month	What changed	Source	Bill	Added over prior month
April 2025	Growth in users and content	Cost Explorer (founders' account)	\$79,400	First month
May 2025	Growth in users and content	Cost Explorer (founders' account)	\$86,100	\$6,700
June 2025	AWS Activate credits run out (the bill does not change; the cash does)	Cost Explorer (founders' account)	\$90,000	\$3,900
July 2025	Rekognition Video added on July 14 beside the frame path, after a graphic video reached timelines	Cost Explorer (founders' account)	\$104,900	\$14,900
August 2025	The transcoder fleet of 6 g4dn.2xlarge; renditions for every upload	Cost Explorer (founders' account)	\$116,200	\$11,300
September 2025	The embedding endpoint on ml.g5.12xlarge; GPU notebooks	Cost Explorer (founders' account)	\$124,400	\$8,200

Month	What changed	Source	Bill	Added over prior month
October 2025	Kinesis to 100 shards and 365-day retention for a launch event and "ML replay"	Cost Explorer (founders' account)	\$132,200	\$7,800
November 2025	Election-week traffic	Cost Explorer (founders' account)	\$141,000	\$8,800
December 2025	Growth in users and content	Cost Explorer (founders' account)	\$148,000	\$7,000
January 2026	Security services on from January 7; the forgotten g5.12xlarge terminated January 6	Cost Explorer to January 27; the Cost and Usage Report from January 28	\$154,600	\$6,600
February 2026	Security services for a full month; the founders' account under the new payer from January 28	Cost and Usage Report	\$160,500	\$5,900
March 2026	Multi-AZ and backups from March 10; PostgreSQL 13 Extended Support, production March 1 to 22 and staging all month	Cost and Usage Report	\$170,800	\$10,300
Twelve months			\$1,508,100	
April run rate	The estate on April 6, 2026, priced for a 730-hour month	List prices	\$175,897	\$5,097 over March 2026

The bill tracks product decisions more than seasons. Rekognition Video went on beside the frame path after a graphic video reached timelines. The transcoder fleet and a rendition for every upload came next, then the embedding endpoint and GPU notebooks, then a Kinesis stream sized for a launch event that nobody sized back down. Each step was reasonable when it was taken, and none was revisited. That is the pattern the Analysis looks for.

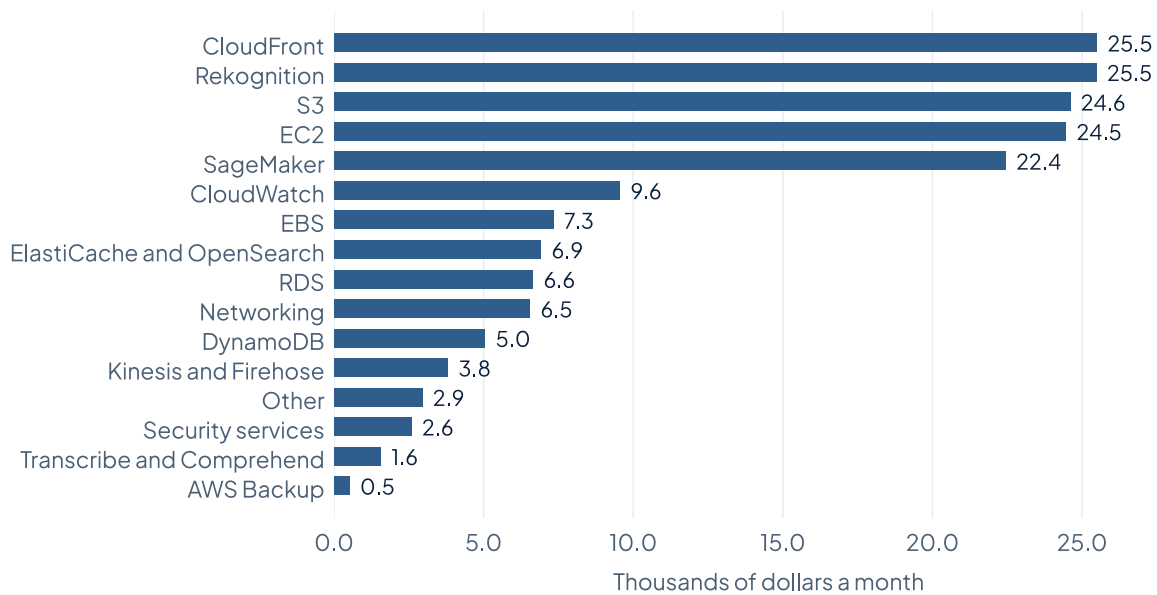
The April run rate

By service group

CloudFront, Rekognition, and S3 are the three largest groups, together 43.0% of the bill. Security services appear as their own group for the first time: they were not on in January.

The bill by service group at list, April 6 against January 5. Rows are rounded half up one at a time and sum to \$175,898; the total is rounded from the unrounded sum, so it is \$1 less.

Service group	Largest line	Lines	April	Share	January	Change
CloudFront	Video and images delivered to North America	2	\$25,488	14.5%	\$22,431	\$3,057
Rekognition	Stored-video content moderation	2	\$25,475	14.5%	\$23,268	\$2,207
S3	S3 Standard: originals, renditions, raw telemetry JSON, exports, and artifacts	2	\$24,598	14.0%	\$20,237	\$4,361
EC2	EKS production nodes	9	\$24,455	13.9%	\$25,789	-\$1,334
SageMaker	Embedding endpoint (asynchronous inference)	5	\$22,440	12.8%	\$22,865	-\$425
CloudWatch	Log ingestion (the API logs at DEBUG)	4	\$9,552	5.4%	\$8,628	\$923
EBS	Snapshots from a cron job that never deletes	3	\$7,332	4.2%	\$6,861	\$471
ElastiCache and OpenSearch	ElastiCache for Redis OSS, two shards with replicas	3	\$6,915	3.9%	\$4,237	\$2,678
RDS	Writer, db.r6g.4xlarge, Multi-AZ, PostgreSQL 16	6	\$6,648	3.8%	\$4,515	\$2,133
Networking	NAT gateways	6	\$6,546	3.7%	\$7,081	-\$535
DynamoDB	On-demand requests	3	\$5,047	2.9%	\$4,262	\$785
Kinesis and Firehose	Extended retention (to seven days)	5	\$3,802	2.2%	\$3,220	\$582
Other	Athena on raw JSON	5	\$2,946	1.7%	\$2,753	\$192
Security services	GuardDuty: management events, flow and DNS logs, EKS audit logs, and runtime monitoring on 192 vCPUs	8	\$2,584	1.5%	\$0	\$2,584
Transcribe and Comprehend	Transcribe, every video	2	\$1,558	0.9%	\$1,416	\$142
AWS Backup	AWS Backup warm storage in tp-backup	1	\$512	0.3%	\$0	\$512
Total		67	\$175,897	100.0%	\$157,565	\$18,332



The April run rate by service group, in thousands of dollars a month.

The lines that drive the bill

Every line is a quantity times a price from a named price table. A line with an hourly price is the quantity times the price times 730 hours; a storage or processing line is the quantity times the published price at its tier. Each line names its source: `list-2026-10-13` is the AWS Price List API, and `bulk-2026-10-18` is the public bulk price file, used where the first table has no price. The monthly figures are rounded to the dollar.

The 14 largest of the 67 lines. The rest are priced the same way.

Line	Account	Quantity	Price	Source	Per month
S3 Standard: originals, renditions, raw telemetry JSON, exports, and artifacts	tp-prod	1,087 TB (709 originals, 207 renditions, 151 raw telemetry, 20 exports and artifacts)	the published tiers	list-2026-10-13	\$23,938
Video and images delivered to North America	tp-prod	470 TB a month	the published North America tiers	list-2026-10-13	\$23,398
Stored-video content moderation	tp-prod	173,250 minutes a month	\$0.10 a minute	bulk-2026-10-18	\$17,325
Embedding endpoint (asynchronous inference)	tp-prod	2 ml.g5.12xlarge, one GPU of four used	\$7.090 an hour	bulk-2026-10-18	\$10,351
Image moderation (frames sampled at one a second, and uploaded images)	tp-prod	11.58 million images a month	the published Group 2 tiers	bulk-2026-10-18	\$8,150
Notebooks, never stopped	tp-sandbox-ml	1 ml.g5.12xlarge and 2 ml.g5.2xlarge, always on	\$7.09 and \$1.52 an hour	list-2026-10-13	\$7,395
EKS production nodes	tp-prod	12 m5.4xlarge, On-Demand, always on	\$0.768 an hour	list-2026-10-13	\$6,728
ElastiCache for Redis OSS, two shards with replicas	tp-prod	4 cache.r6g.4xlarge	\$1.642 an hour	list-2026-10-13	\$4,795
API tier	tp-prod	9 c6i.4xlarge, On-Demand, always on	\$0.680 an hour	list-2026-10-13	\$4,468
On-demand requests	tp-prod	3.3 billion write and 16.5 billion read request units	\$0.625 and \$0.125 per million	list-2026-10-13	\$4,125

Line	Account	Quantity	Price	Source	Per month
Log ingestion (the API logs at DEBUG)	tp-prod	6.6 TB a month	\$0.50 a GB	list-2026-10-13	\$3,379
Developer instances	tp-dev	12 m5.2xlarge, On-Demand, always on	\$0.384 an hour	list-2026-10-13	\$3,364
Snapshots from a cron job that never deletes	tp-prod	65 TB billed	\$0.05 a GB-month	list-2026-10-13	\$3,328
Transcoder fleet	tp-prod	6 g4dn.2xlarge, On-Demand, always on	\$0.752 an hour	list-2026-10-13	\$3,294

By account

Tidepost has nine accounts under one payer, tp-management. The payer holds no workloads, so it has no usage lines; Business Support+ is billed to it for the whole organization. tp-staging is empty until the staging rebuild, and tp-policy-test exists only to prove policies before they are attached.

The April run rate by account. 91.7% of the bill is in tp-prod, the founders' account, which still holds the old staging until the June rebuild.

Account	Environment	Owner	What it is	Lines	Per month	Share
tp-management	management	Kofi Brandvold	Payer, Control Tower, IAM Identity Center, and the Cost and Usage Report data export	0	\$0	0.0%
tp-log-archive	security	Sasha Ilyin	The organization trail and AWS Config history	2	\$276	0.2%
tp-audit	security	Sasha Ilyin	Delegated GuardDuty, Security Hub, IAM Access Analyzer, the Config aggregator, and Inspector	4	\$2,072	1.2%
tp-backup	shared	Kofi Brandvold	The central backup vault (vault lock in compliance mode) and delegated AWS Backup	2	\$676	0.4%
tp-prod	prod	Kofi Brandvold	The founders' account, joined and enrolled: production, and until June the old staging	56	\$161,263	91.7%
tp-staging	nonprod	Kofi Brandvold	Staging, empty until the June rebuild (EC2-1a)	0	\$0	0.0%

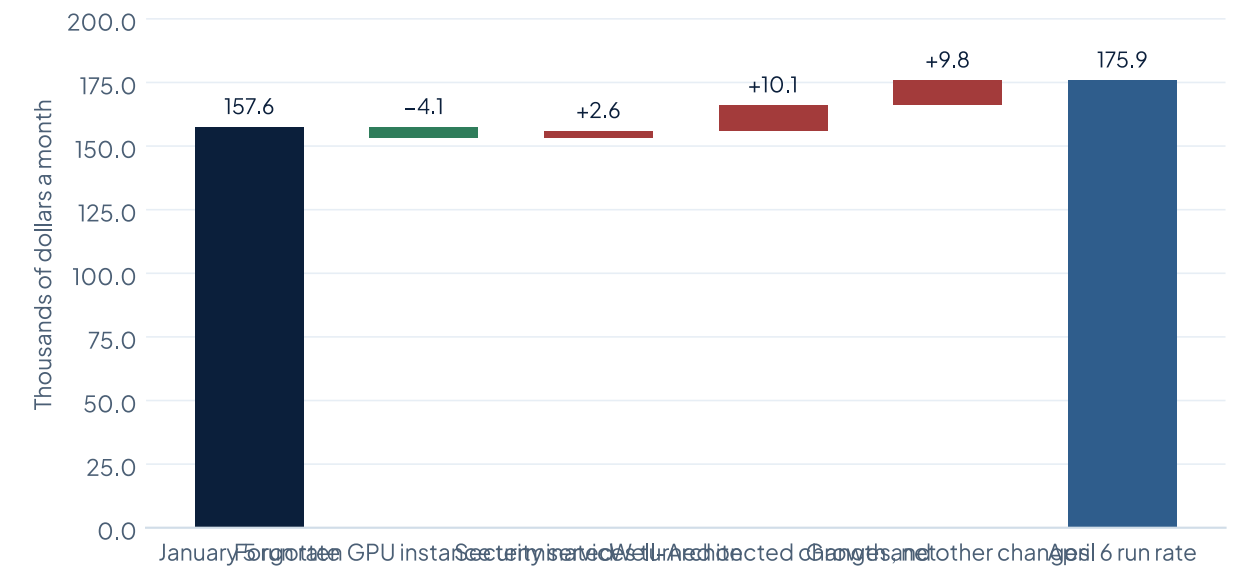
Account	Environment	Owner	What it is	Lines	Per month	Share
tp-dev	nonprod	Kofi Brandvold	Developer instances, moved by Tidepost's engineers on February 4	1	\$3,364	1.9%
tp-sandbox-ml	sandbox	Yuki Sorensen	Notebooks and experiments; vended through Account Factory untouched by hand (MAF-09)	2	\$8,246	4.7%
tp-policy-test	nonprod	Kofi Brandvold	Proving every policy before it is attached	0	\$0	0.0%
All accounts				67	\$175,897	100.0%
Business Support+, billed to tp-management		Gwen Tallis	Monthly, on the organization's usage; no tags		\$10,595	
All accounts and Business Support+					\$186,492	

From January to April

The security engagement priced the estate on January 5 at \$157,565 a month. Three things moved it to \$175,897: two earlier engagements, and growth. Each earlier engagement counts its own changes, and this engagement counts none of them.

The bridge from the January 5 run rate to the April 6 run rate. Each step is rounded half up; the rounded steps sum to \$175,896 and the total, rounded from the unrounded sum, is \$175,897.

Step	Who	A monthWhy
January 5 run rate		\$157,565The estate as the security engagement found it
Forgotten GPU instance terminated	Security	–\$4,141A g5.12xlarge nobody owned, found in the audit and terminated on January 6
Security services turned on	Security and Foundation	\$2,584GuardDuty, Config, Security Hub, Inspector, WAF, and the trail and flow logs
Well-Architected changes, net	Well-Architected	\$10,094Three zones, replicas, backups, and the PostgreSQL 16 cutover, less the ranking endpoint’s move and production EKS leaving extended support
Growth and other changes		\$9,794More users and more content between January and April; no engagement made these changes
April 6 run rate		\$175,897The baseline for this engagement



January to April, in thousands of dollars a month. Increases are red and decreases green.

The April run rate includes the Well-Architected Review’s redundancy: three zones, replicas, backups, and a Multi-AZ database. No finding in this engagement takes that redundancy back.

What earlier engagements already removed

Three removals happened before this engagement began. They are in the April run rate as lower numbers, they were counted by the engagements that made them, and they are not savings here.

What earlier engagements removed or avoided, and why this engagement does not count it. One change is counted by exactly one engagement.

Removed	By	A Note month
The forgotten g5.12xlarge	Security	\$4,141Terminated January 6
The ranking endpoint moved to CPU, and production EKS out of extended support	Well-Architected	\$790\$425 and \$365, net of the CPU endpoint
PostgreSQL 13 Extended Support on production	Well-Architected	\$2,336Avoided at the March 22 cutover, never in a bill after it. Staging still pays it until the staging rebuild

What is already done well

These are not findings, and the Analysis will not propose changing them.

- **The managed data stores run on Graviton.** RDS, ElastiCache, and OpenSearch together are \$13,563 a month on db.r6g, cache.r6g, and r6g.search instance families, already the lower-priced architecture.
- **CloudFront fronts the video and images.** \$25,488 a month of delivery sits at the edge, and internet egress outside CloudFront is only \$1,487 a month.
- **Lambda orchestration is cheap and right.** The orchestrators cost \$463 a month for the work they do.
- **DynamoDB is the right store for the online features.** The three DynamoDB lines are \$5,047 a month. The Analysis looks only at the capacity mode of the two steadiest tables, never at the choice of store.

Business Support+

Business Support+ is \$10,595 a month in April, up from \$9,678 in January, 6.0% of the usage it is billed on. It is billed once a month on the whole organization’s usage, in tiers, to the payer, and it carries no tags. So it is a monthly line beside the run rate, never in a daily series, and never part of a seven-day comparison.

When usage falls, Support falls with it: at today’s tier each dollar of usage removed takes 5% of a dollar off the Support line. That fall is a consequence of the savings, not a saving of any change, and no report in this engagement counts it.

Engines and support dates

Version support dates change what a resource costs, so the baseline records them. Extended Support is billed, and nothing in the Analysis ignores it.

Engine versions and support dates as of April 10, 2026.

What	Version	Support
RDS for PostgreSQL 13 (production until March 22; staging until its retirement)	PostgreSQL 13	Standard support ended February 28, 2026; RDS Extended Support bills from March 1, 2026
RDS for PostgreSQL 16 (production from March 22)	PostgreSQL 16	Standard support to February 28, 2029
Amazon EKS, production and staging	Kubernetes 1.30	Standard support ended July 23, 2025; extended support until July 23, 2026
Amazon EKS, development	Kubernetes 1.33	Standard support to July 29, 2026
Amazon ElastiCache	Redis OSS 7.1	Supported; Valkey 8 is the same API at a lower node price (CACHE-2)
Amazon OpenSearch Service	OpenSearch 2.13	Supported

The people

Every owner named in the Analysis is in this table.

Name	Title	Role in this engagement	Owns
Dev Raman	Co-founder and Chief Technology Officer	Sponsor (all four)	The engagements, the weekly check-ins, every readout
Noor Castellanos	Co-founder and Chief Executive Officer	Consulted	The Series A, the investor, risk acceptances above \$5,000 a month
Kofi Brandvold	Head of Platform	Lead (all four)	The account, the network, EKS, the pipeline, every change window
Sasha Ilyin	Head of Security and Compliance	Compliance owner	The SOC 2 program, the CPA firm, the evidence index, security risk acceptances (joined December 1, 2025)
Yuki Sorensen	Head of Machine Learning	Workload owner	Ranking and embedding endpoints, the moderation classifier, notebooks, training
Lior Haddad	Head of Data	Workload owner	Telemetry: Kinesis, Firehose, Glue, Athena, and the DynamoDB features
Amara Delacroix	Head of Trust and Safety	Workload owner	The moderation pipeline, originals and their retention, takedown and legal requests
Bea Okafor	Mobile Engineering Lead	Workload owner	App releases, including the rendition ladder (CDN-1)
Marcus Oyelaran	Backend Lead	Workload owner	The API, the link-preview service, the web tier
Gwen Tallis	Vice President, Finance	Finance owner	The AWS invoice, commitments, budgets

What the data cannot tell us

- **Whether an idle resource is idle for a reason.** The bill shows what ran, not why. Each owner confirms before any change, and the Analysis names the owner of each one.

- **A peak the history does not hold.** Twelve months of invoices show the average of each month. Peaks come from CloudWatch in week two, and nothing is sized from an average alone.
- **Anything before January 28 by resource or tag.** Only the extract exists, by service.
- **Business Support+ by workload.** It is one monthly line for the organization.
- **What a price change will do.** The AWS Price List is the price on the day it was retrieved; a later change in a price changes the estimates, not the quantities.

What week two does

Week two prices every finding from the quantities above and the AWS Price List, ranks them, and takes the ranked list to the sponsor readout.

Week two.

When	What
Week two, Monday to Wednesday	Read CloudWatch, the inventory, and the repository for every finding, and confirm each with the owner
Thursday, April 16	The Analysis: the waste register, rightsizing, moderation, storage, networking, commitments, and the savings roadmap
Friday, April 17	The sponsor readout with Dev Raman; the owners decide change by change

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