GCP cost deep dive — April 1 to April 15, 2026

Prepared 2026-04-15 09:00 UTC · 5 GCP projects · BigQuery billing export as source · baselines: EWMA 14d

GCP MTD	FORECAST EOM	ANOMALIES	SAVINGS OPEN
$4,961	$10,558	1	$1,390
+3.8%	+2.9%	+1	—

Where the money went

SERVICE	MTD SPEND	VS. PREV 15D
BigQuery	$1,740	+14.2%
GKE	$1,080	+0.4%
Cloud SQL	$640	-1.1%
Cloud Storage	$420	-3.8%
Dataflow	$360	+26.8%
Other	$721	+2.0%

Anomaly: BigQuery on April 14

Dataset data-prod.analytics scanned 7.2 TB more than the 14-day baseline on April 14 — a 2.4σ move that triggered an alert at 14:07 UTC. Driver: the churn_prediction_retrain scheduled query was modified to drop the _PARTITIONTIME filter. Remediated by data-eng at 14:41 UTC; we added a GrandLine rule to flag any query scanning > 2 TB from this dataset.

Rightsizing

1. gke-api cluster over-provisioned

14-day utilisation p95 CPU 26%, memory 31%. Target family e2-standard-4 → e2-standard-2 on 6 nodes. Estimated savings $480/mo. Terraform diff in appendix B.

2. Cloud SQL primary over-sized

Primary on db-custom-4-16 running at 18% CPU p95. Candidate downsize to db-custom-2-8 after a 2-week observation window with the pending batch workload. Potential savings $170/mo.

Idle resources

14 GCS buckets unread in 90+ days. 6 Persistent Disks detached for 60+ days. Combined: $740/mo. Recommended action list in appendix C with suggested verdicts (keep / snapshot / delete).

Commitment coverage

GCP CUD coverage on Compute Engine at 78%, above your 70% floor. No action needed this month.