Opsvane.

CLOUD COST AUDIT

Google Cloud Cost Audit Executive Report

Findings, savings opportunity and a prioritised plan to reduce Google Cloud spend without compromising reliability.

PREPARED FOR
Contoso Ltd

ASSESSMENT WINDOW
3 Jun 2025 to 2 Jun 2026

ISSUED
5 June 2026

Confidential. Prepared for the named recipient only.

Illustrative sample. Names and figures are fictional.

EXECUTIVE SUMMARY

Contoso can reduce Google Cloud spend by around 13% with low risk changes, and up to 19% overall.

YEARLY SPEND	SAVINGS IDENTIFIED	CONFIRMED SAVINGS	QUICK WINS
€110,880/yr	€21,432/yr	€14,844/yr	€2,004/yr
€9,240 per month	€1,786 per month	€1,237 per month	€167 per month
Monthly average over 12 months	19.3% of spend	Excludes Spot (€549/mo), to validate	Actionable this week

What we found

Over the 12 month window Contoso spent an average of €9,240 a month on Google Cloud across two European regions. We identified €1,786 per month in avoidable cost, mostly in Compute Engine instances and Cloud Storage buckets that have not kept pace with how the workloads are actually used.

€1,237 per month is supported by utilisation and billing data and can be acted on with normal change control. The remaining €549 depends on moving development workloads to Spot VMs, which needs a short validation with the engineering team first.

Key findings

- **Compute is oversized.** Five instances run below 8% CPU and seven more are close to idle. Together they account for €537 per month.
- **42 Cloud Storage buckets have no lifecycle policy.** Moving older objects to Nearline and Coldline saves €261 per month.
- **Leftover resources keep billing.** Unattached disks, reserved IPs, silent VPN tunnels and stopped instances cost €252 per month.
- **Identity hygiene needs attention.** 24 service accounts are unused and 8 hold broader IAM roles than they need.

Our recommendation

Approve the clean up items this week and schedule a two to four week sprint for right sizing and storage lifecycle rules. Together these deliver the full confirmed saving of €14,844 per year. Pilot Spot VMs on development workloads in parallel and decide on wider use within the quarter.

Cost of waiting

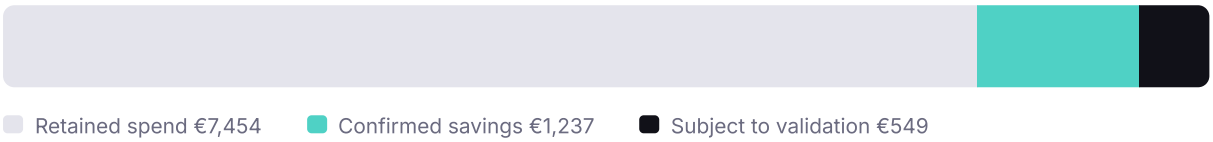
Every week without action costs roughly €412. Over twelve months the full exposure is €21,432.

SAVINGS ANALYSIS

Where the savings are

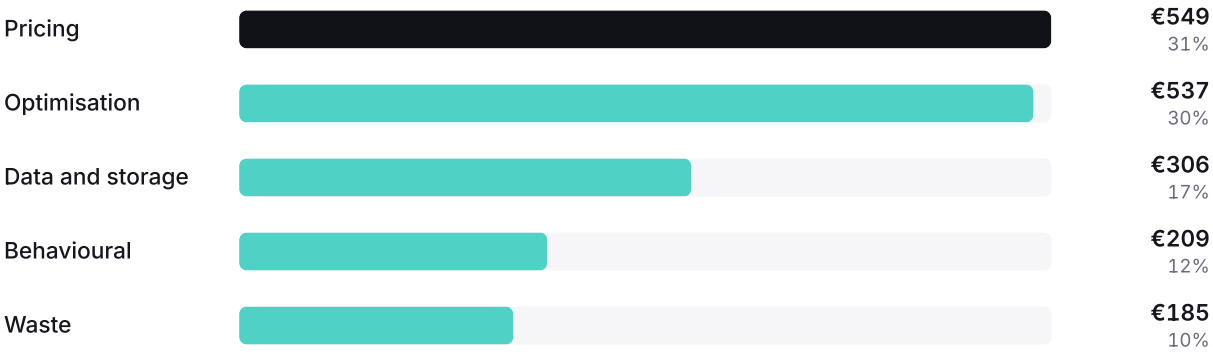
The opportunity is spread across pricing, compute and storage rather than concentrated in one place. That points to a platform that grew quickly without regular cost reviews, rather than a single expensive mistake.

Savings in context of total monthly spend



Monthly savings by theme

Each resource is counted once, under its highest impact action.



Pricing · €549 / month

Running 12 development and test VMs as Spot VMs. Large saving, but only suitable for workloads that tolerate interruption.

Optimisation · €537 / month

Right sizing five instances flagged by Recommender and stopping or removing seven idle ones.

Data and storage · €306 / month

Lifecycle rules on 42 buckets and removal of disk snapshots older than 90 days.

Behavioural · €209 / month

45 stopped instances still paying for disks, and development VMs running around the clock with no schedule.

Waste · €185 / month

Unattached disks, reserved IPs, orphaned forwarding rules and VPN tunnels with no traffic in 30 days.

Not included in totals

Committed use discounts on eight steady instances could save a further €252 per month. We suggest revisiting this after right sizing, so commitments match the new footprint.

RECOMMENDATIONS

Prioritised actions

Ranked by value, adjusted for effort and risk. Owners are suggested based on the resources involved and should be confirmed by Contoso.

	ACTION	MONTHLY	ANNUAL	EFFORT	RISK	CONFIDENCE	OWNER
1	**Right size Compute Engine instances** 5 instances below 8% CPU. Apply Recommender machine types.	€312	€3,744	Medium	Medium	Confirmed	Platform
2	**Add Cloud Storage lifecycle rules** 42 buckets. Nearline after 30 days, Coldline after 90.	€261	€3,132	Low	Low	Confirmed	Data
3	**Delete unattached persistent disks** 8 disks. Snapshot each before deletion.	€95	€1,140	Low	Low	Confirmed	Platform
4	**Remove stopped instances and their disks** 45 instances billing for disks only.	€85	€1,020	Low	Low	Confirmed	Platform
5	**Release static IPs and idle VPN tunnels** 4 reserved IPs and 2 silent tunnels.	€72	€864	Low	Low	Confirmed	Network
	Other confirmed findings Idle instances, schedules, old snapshots, forwarding rules.	€412	€4,944	Low	Low	Confirmed	Platform
	Confirmed savings	**€1,237**	**€14,844**				

Requires validation before acting

6	**Run dev and test workloads on Spot VMs** 12 VMs identified by labels. Each workload must tolerate preemption.	€549	€6,588	Medium	Medium	To validate	Engineering

Effort reflects engineering time and coordination. **Risk** reflects the chance of service impact if changed without further checks. **Confirmed** findings are backed by utilisation and billing data. **To validate** findings rely on assumptions about workload behaviour.

IMPLEMENTATION

Roadmap

A phased plan that captures low risk savings immediately and leaves time to validate the larger changes properly.

THIS WEEK
Clean up

Delete unattached persistent disks
8 disks · €95 / month

Release static IPs and idle VPN tunnels
6 resources · €72 / month

Monthly saving **€167**

WEEKS 2 TO 4
Optimise

Right size Compute Engine instances
5 instances · €312 / month

Add Cloud Storage lifecycle rules
42 buckets · €261 / month

Remove stopped instances and disks
45 instances · €85 / month

Other confirmed findings
€412 / month

Monthly saving **€1,070**

THIS QUARTER
Validate and govern

Pilot Spot VMs for dev and test
12 VMs · €549 / month

Enforce labels with Organization Policy
Enables cost ownership by team

Add budget alerts per service
7 services without coverage

Monthly saving **€549**

Governance and security observations

No direct cost impact, but each improves visibility, control or security posture. Full lists are in the technical findings pack.

32	24	8	8	7
Resources missing required labels	Service accounts unused for 90+ days	Service accounts with broad IAM roles	Firewall rules with no hits	Services without budget alerts

Recommended next steps

1. **Review session.** Walk through the findings with platform and application owners.
2. **Approve the clean up.** Sign off phase one so the €167 per month saving starts immediately.
3. **Plan the optimisation sprint.** Schedule right sizing and lifecycle rules with rollback plans.
4. **Measure again after 60 days.** Confirm realised savings, then size committed use discounts.

APPENDIX

Method, scope and assumptions

Scope	One Google Cloud project (Contoso Dev EU) in europe-west1 and europe-west4. Billing data for 3 June 2025 to 2 June 2026.
Access	Read only. No changes were made to the environment during the assessment.
Data sources	Cloud Asset Inventory for resources, Cloud Billing for cost, Recommender for right sizing, and Cloud Monitoring for CPU utilisation (12 month trend and P99).
Savings estimates	Each finding applies an action specific savings rate to the resource's average monthly cost over the 12 month window. Recommender estimates are used directly where available and capped at the resource's actual cost. Annual figures are monthly figures multiplied by twelve.
Deduplication	Where several actions apply to one resource, the resource is counted once under its highest impact action. The technical findings pack lists every finding.
Confidence	Confirmed findings are supported by utilisation and billing data. Findings to validate depend on assumptions, such as classifying workloads as development by naming and labels.
Currency	All amounts in EUR as reported by Cloud Billing, excluding VAT.
Limitations	A point in time assessment. Realised savings depend on implementation choices and business constraints.

About this audit

Opsvane cost audits are delivered by a certified cloud architect with hands on experience running production platforms on Azure and Google Cloud. Every finding is reviewed manually before it reaches this report. If the audit does not identify savings at least equal to the audit fee within the agreed scope, the audit is free.

Questions about this report?

We are happy to walk your team through any finding.

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This is an illustrative sample report. Contoso Ltd is a fictional organisation, and all names, figures and findings are representative only. In a client engagement this report is accompanied by a technical findings pack listing every resource, finding and recommended change.