

Findings Report

Meridian Logistics

Potential annual saving

€329,785.10

Total annual spend

€594,960.53

Evidence window: 2026-05-01 to 2026-05-30

Your cloud spend, diagnosed and priced.

This Findings Report is produced by dataintelligence after analysing your Microsoft Azure and Fabric billing data. Each finding is a specific, identified area of waste or inefficiency, named, quantified, and supported by evidence drawn directly from your own bill. Every euro figure is traceable to a real resource on a real invoice. This report also consists of an agentic layer which interprets and explains all the findings in plain-language.

Evidence-led

Every finding is backed by data from your billing and telemetry. No assumptions, no guesswork.

Actionable

Each finding comes with a clear recommended action, an ease rating, and a confidence score.

Verified savings

Every saving figure is derived from your actual cost data — not a percentage of a benchmark.

What each finding contains

- 01 | Key metrics** Pulled directly from your billing data — resources affected, spend window, and total waste.
- 02 | Data insight** A chart or analysis showing the waste pattern drawn from your actual usage evidence.
- 03 | AI interpretation** dataintelligence's agentic engine reasons across your full cloud footprint to provide plain-language context.
- 04 | What we found** A plain-language explanation of the problem and why it is appearing on your bill.
- 05 | Recommended action** The specific step to take, with an ease rating and a confidence score.

What to expect from this report

- ✓ Each finding is independent — you can act on any one without touching the others.
- ✓ Savings are annualised — they represent the cost if the issue remains unresolved for a full year.
- ✓ Ease ratings tell you how quickly a fix can be applied: Quick Win, Needs Planning, or Complex.
- ✓ The appendix at the end of each finding lists every affected resource individually.

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Every figure in this report is traceable to a real resource on a real invoice. Nothing is estimated, benchmarked, or extrapolated. If it appears here, it was found on your bill.

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How savings are calculated	All figures are annualised — the cost of leaving the issue unresolved for a full year. Every euro is traceable to a named resource in the appendix at the end of each finding.
How to prioritise	Start with Quick Wins — low effort, immediate saving. Then Needs Planning findings, which require a change window or team sign-off. Complex findings involve architectural decisions and are best reviewed with your technical team.
AI-interpreted findings	Every finding includes an AI interpretation panel with two sections — What the data shows and Recommendation . This is dataintelligence's agentic engine reasoning across your full cloud footprint to provide plain-language context and actionable next steps beyond the raw billing data.
Navigation	☰ Contents Full list of findings ☐ Overview Dashboard — totals and summaries View N affected resources → Opens the appendix for that finding
Ease of fix	Quick Win Needs Planning Complex Change Left border colour on every finding row

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📊 Overview



Report Pages

📊 Overview Dashboard	KPIs · total saving · section summaries →
☁️ Azure Infrastructure	12 findings · €106,204.18 →
📈 Microsoft Fabric	6 findings · €223,580.92 →

Azure Infrastructure · 12 findings

QUICK WINS

Quick Win	Storage tier misalignment	5 resources	€13,626.38	→
Quick Win	Non-production environments running 24/7	5 resources	€10,853.84	→
Quick Win	Servers Running With No Workload	3 resources	€7,108.80	→
Quick Win	Storage Disks With No Attached Server	2 resources	€730.32	→
Quick Win	Old Backups That Have Never Been Restored	2 resources	€277.20	→
Quick Win	Load Balancers Processing Zero Traffic	1 resource	€268.80	→
Quick Win	Reserved IP Addresses Attached to Nothing	2 resources	€86.40	→

NEEDS PLANNING

Needs Planning	Oversized compute	4 resources	€26,351.40	→
Needs Planning	Licensing and BYOL opportunities	4 resources	€24,013.82	→
Needs Planning	Reserved Instance and Savings Plan gaps	5 resources	€11,367.58	→
Needs Planning	Untagged and unallocated resources	5 resources	€0.00	→

COMPLEX CHANGES

Complex Change	Networking inefficiency	3 resources	€11,519.64	→
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Microsoft Fabric · 6 findings

QUICK WINS

Quick Win	Non-production environment running 24/7	3 resources	€20,939.52	→
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NEEDS PLANNING

Needs Planning	PBI license optimisation	3 resources	€117,828.00	→
Needs Planning	CU over-provisioning	3 resources	€54,720.00	→
Needs Planning	Bursting and smoothing	2 resources	€31,372.80	→
Needs Planning	OneLake storage	4 resources	€13,843.20	→
Needs Planning	Workload allocation	2 workspaces	€0.00	→

Where two findings apply to the same resource, the report shows both but counts the higher saving towards the total. This avoids double-counting — the section totals for Azure and Fabric always add up to the headline on the cover.

Total recoverable annual saving	€329,785.10
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Total recoverable annual saving

€329,785.10

Total annual spend

€594,960.53

Ease breakdown

8
Quick wins

9
Structural

1
Architectural

Azure Infrastructure →

12

findings identified

€106,204.18

recoverable annually

- 7 quick wins
- 4 needs planning
- 1 complex

Microsoft Fabric →

6

findings identified

€223,580.92

recoverable annually

- 1 quick wins
- 5 needs planning

Note on overlapping savings: Where multiple findings apply to the same resource, individual finding savings are calculated independently. The total recoverable saving (€329,785.10) adjusts for overlap — acting on two recommendations for the same resource will not save the sum of both.

F1 – F8

Azure Infrastructure

Findings & Recommendations

€106,204.18

Section Saving

12

Findings

7

Quick Wins

5

Structural / Arch

Storage tier misalignment

Quick Win

5 affected resources

5 Storage Resources	€13,626.38 Annual Estimated Saving	€15,588.00 Annual Cost
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CURRENT TIER		RECOMMENDED	RESOURCES	SAVING / YR
Hot	→	Archive	2 resources	€8,471.90
Hot	→	Cool	2 resources	€3,906.24
Premium SSD	→	Standard SSD	1 resource	€1,248.24

We found 5 resources where data is stored in a more expensive tier than needed. These include audit logs, backups, compliance data, and archived logs. For example, one storage account (stauditlogsprod) has audit logs that have not been accessed in over a year, costing €524.60 per month in the Hot tier instead of €26.23 in the Archive tier. Another example is stbackupsprod2024, costing €312.40 per month in the Hot tier despite no read access in over 90 days. Adjusting these tiers could save €1,135 per month immediately.

What the data shows

The analysis shows clear patterns of cold data sitting in Hot storage. Stauditlogsprod has not been accessed in 365 days, making it a strong candidate for Archive tier savings (€498/month). Similarly, stbackupsprod2024 and stlogsarchivedev are inactive for 90+ days and 11 months, respectively, and can move to the Cool tier for savings of €250/month and €76/month. Additionally, disk-logs-prod-data01 is a Premium SSD disk with IOPS far below Standard SSD limits, suggesting a downgrade would save €104/month. These resources span both production and development environments, indicating widespread tier misalignment.

Recommendation

Move stauditlogsprod and stcloaboracompliance2024 to the Archive tier, stbackupsprod2024 and stlogsarchivedev to the Cool tier, and downgrade disk-logs-prod-data01 to Standard SSD. These actions will reduce monthly costs by €1,135, starting immediately upon tier adjustment. Confirm data retention policies before moving compliance-related resources.

⚠ **Risk note:** For compliance-related resources like stcloaboracompliance2024, ensure that Archive tier retrieval speeds meet audit requirements before moving. Snapshot disk-logs-prod-data01 before downgrading as a precaution.

Estimated annual saving from resolving this finding	€13,626.38	View 5 affected resources in full →
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Non-production environments running 24/7

Quick Win

5 affected resources

5 Servers Affected	€10,853.84 Annual Estimated Saving	€15,056.40 Annual Cost
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Non-production environments running 24/7

On average, **72%** of billed time is off-hours — 526 idle hours every month across 5 environments. Nothing is running during those hours. The bill keeps coming.

Annual spend — justified vs wasted



Proposed schedule



We found 5 servers in your environment running continuously, even though they are tagged as development, test, or UAT resources. These servers cost €1,254.70 in the last 30 days, and 72% of that spend (€903.39) occurred during off-hours when no work was being done. If rescheduled to run only during business hours, you could save an estimated €10,853.84 annually.

What the data shows

The affected servers include virtual machines and a database, all tagged as non-production environments (DEV, TEST, or UAT). Each resource shows a consistent pattern: approximately 72% of their cost comes from off-hours usage. For example, 'vm-ml-training-dev-01' incurred €3,036.10 in off-hours costs over the year, while 'sql-reporting-dev-01' had €2,609.28. These are clear opportunities to reduce waste by scheduling auto-shutdowns during nights and weekends.

Recommendation

Implement auto-shutdown schedules for the 5 identified resources. For example, shut down 'vm-ml-training-dev-01' at 6pm on weekdays and keep it off all weekend. Repeat this for the other servers based on similar schedules. Savings will begin immediately after the schedules are applied.

Risk note: Ensure no critical overnight processes, such as CI/CD pipelines or batch jobs, depend on these servers before scheduling shutdowns.

Estimated annual saving from resolving this finding

€10,853.84

View 5 affected resources in full →

Servers Running With No Workload

Quick Win

3 affected resources

3 Servers Affected	€7,108.80 Annual Estimated Saving	€7,108.80 Annual Cost
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What your idle servers are doing

Behaviour	Share of waste		Annual cost	Safe action
Completely isolated No network traffic detected.		53%	€3,753.60	Switch off safely →
Dormant backgrounds No scheduled jobs active.		31%	€2,236.80	Add shutdown schedule →
Vacant idling Jobs exist but CPU flatlining.		16%	€1,118.40	Investigate first →

Total wasted every year

We found 3 servers in your account that are running but doing almost no work. Together, they cost €592.40 in the last 30 days and could save you €7,108.80 annually if terminated. All 3 servers showed CPU usage below 2.5% and no network traffic or scheduled jobs. They have been idle for 6 to 12 months.

What the data shows

The most expensive server, vm-legacy-batch-prod-01, has been idle for 12 months in a production resource group, averaging just 1.1% CPU usage with no network traffic. This strongly suggests it was forgotten after a project ended. The second server, vm-analytics-dev-01, has been idle for 8 months in a development resource group, with no scheduled jobs and minimal CPU usage (2.3%). The third server, vm-test-runner-stg-01, is in a test environment and has been idle for 6 months, averaging only 0.8% CPU usage. All three servers are clear candidates for termination.

Recommendation

Terminate the 3 idle servers: vm-legacy-batch-prod-01, vm-analytics-dev-01, and vm-test-runner-stg-01. Confirm with your technical team that no critical data or services depend on them. Savings start immediately upon termination.

Risk note: vm-legacy-batch-prod-01 is in a production resource group. Verify with the team before terminating to ensure no dependencies remain.

Estimated annual saving from resolving this finding

€7,108.80

View 3 affected resources in full →

Storage Disks With No Attached Server

Quick Win 2 affected resources		
2	€730.32	€730.32
Disks Affected	Annual Estimated Saving	Annual Cost

Disk 1

5

months orphaned

128 GB · Premium_LRS

€222.72/yr

Disk 2

10

months orphaned

256 GB · Premium_LRS

€507.60/yr

Total annual saving

We found 2 orphaned storage disks in your account, costing €60.86 over the past 30 days. Both disks use Premium storage, which is the most expensive tier. One disk has been orphaned for 10 months, and the other for 5 months. Together, they represent an estimated annual waste of €730.32 if left unaddressed.

What the data shows

The first disk, 'disk-decomm-db-prod-data,' has been orphaned for 10 months in a production resource group and costs €42.30 per month. Its long orphanage period suggests it was likely forgotten after a decommission. The second disk, 'disk-vm-analytics-dev-01-osdisk,' has been orphaned for 5 months in a development resource group and costs €18.56 per month. Both disks are using Premium storage, which increases the waste compared to cheaper alternatives.

Recommendation

Delete the 2 unattached disks after confirming no data is still needed. For the production disk 'disk-decomm-db-prod-data,' take a snapshot before deletion to ensure data safety. The savings start immediately upon deletion.

⚠ Risk note: The production disk 'disk-decomm-db-prod-data' is in a production resource group. Take a snapshot before deleting to avoid accidental data loss.

Estimated annual saving from resolving this finding

€730.32

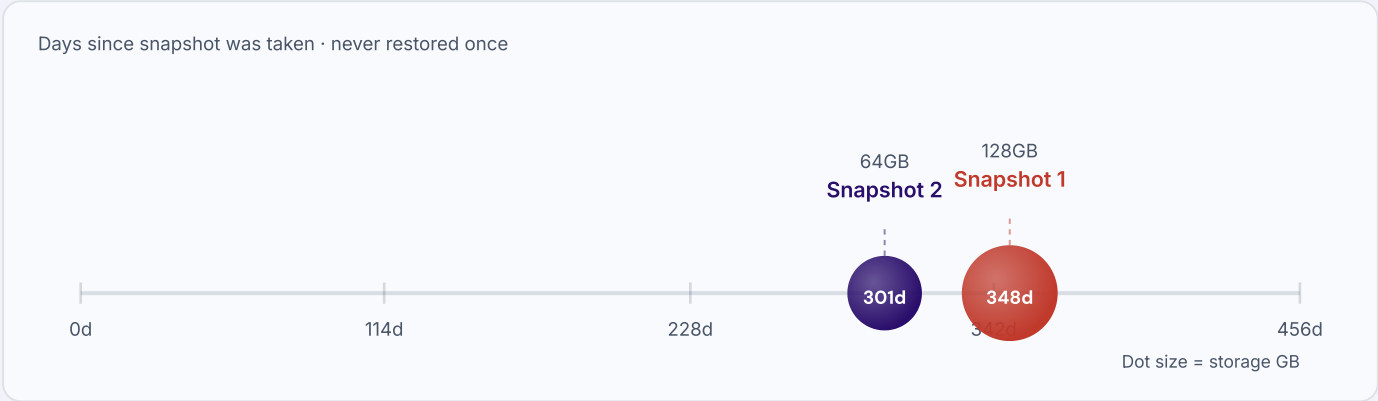
View 2 affected resources in full →

Old Backups That Have Never Been Restored

Quick Win

2 affected resources

2 Snapshots Affected	€277.20 Annual Estimated Saving	€277.20 Annual Cost
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We found 2 snapshots in your account that are over 10 months old and have never been restored. Together, they cost €23.10 in the last 30 days, which adds up to €277.20 annually. Both snapshots are tied to existing resources, suggesting they were created for migrations or backups that are no longer needed.

What the data shows

The first snapshot, 'snap-db-prod-migration-20250615,' is 348 days old and was likely created for a database migration. It costs €14.90 per month and has never been restored. The second snapshot, 'snap-vm-analytics-dev-20250801,' is 301 days old and tied to a development resource group. It costs €8.20 per month and also shows no restore activity. Both snapshots are consuming storage unnecessarily, with high confidence they can be safely removed.

Recommendation

Delete the 2 snapshots after confirming no data is still needed. Start with 'snap-db-prod-migration-20250615' and 'snap-vm-analytics-dev-20250801.' Removing them will immediately stop the monthly charges of €23.10, saving €277.20 annually.

Risk note: Both snapshots are tied to existing resources. Verify with your technical team that no dependencies or compliance requirements exist before deletion.

Load Balancers Processing Zero Traffic

Quick Win

1 affected resource

1 Routers Affected	€268.80 Annual Estimated Saving	€268.80 Annual Cost
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Zero activity

0

Requests recorded

Consistently idle

11

Months zero traffic

Nothing to route to

0

Backend pool size

Total annual saving

We found 1 load balancer named 'lb-legacy-api-prod' in your production resource group 'rg-dataintel-prod' that has been completely inactive for 11 months. It has no servers in its backend pool and processed zero requests in the last 30 days. This is costing you €22.40 per month, or €268.80 annually, for no benefit.

What the data shows

The load balancer is in a production resource group but shows clear signs of being forgotten or unused. With zero traffic for nearly a year and an empty backend pool, it is highly unlikely to serve any purpose. The confidence score of 0.91 indicates strong evidence this resource can be safely eliminated.

Recommendation

Delete the load balancer 'lb-legacy-api-prod' after confirming it is no longer needed. This will save €22.40 per month immediately. If unsure, flag it for your technical team to verify before deletion.

 **Risk note:** This resource is in a production group. Verify with the team that no future workload depends on it before deletion.

Estimated annual saving from resolving this finding

€268.80

View 1 affected resource in full →

Reserved IP Addresses Attached to Nothing

Quick Win	2 affected resources	
2	€86.40	€86.40
IPs Reserved Unused	Annual Estimated Saving	Annual Cost

Public IP 1

9

months unattached

Basic · IPv4

€43.20/yr

Public IP 2

4

months unattached

Basic · IPv4

€43.20/yr

We found 2 public IP addresses in your account that have been unbound for months. Together, they cost €7.20 over the last 30 days and could save you €86.40 annually if deleted. One IP (pip-old-gateway-dev) has been unbound for 9 months, and the other (pip-test-lb-stg) for 4 months. Both are in the Basic SKU and are not attached to any network interface card (NIC).

What the data shows

The longer an IP address remains unbound, the more likely it is forgotten rather than intentionally kept for future use. The first IP, pip-old-gateway-dev, is in a development resource group and has been idle for 9 months, suggesting it was left behind after a decommission. The second IP, pip-test-lb-stg, is in a staging resource group and has been idle for 4 months, likely from a test setup that was never cleaned up. Both are IPv4 addresses, which are universally supported and easy to reallocate if needed.

Recommendation

Delete the 2 unbound public IPs to stop the unnecessary charges. Start with pip-old-gateway-dev and pip-test-lb-stg, as neither has been used for months. Savings begin immediately upon deletion.

Estimated annual saving from resolving this finding

€86.40

View 2 affected resources in full →

Oversized compute

Needs Planning

4 affected resources

4	€26,351.40	€38,972.40
Servers Affected	Annual Estimated Saving	Annual Cost

	CURRENT		RECOMMENDED		SAVING / YR
R1	Standard_D8s_v3	→	Standard_D4s_v3		€2,476.80
R2	Standard_D16s_v3	→	Standard_D4s_v3		€7,430.40
R3	Standard_E16s_v3	→	Standard_E4s_v3		€9,874.20
R4	Premium P2	→	Standard S3		€6,570.00

We found 4 oversized resources in your environment, costing €3,247.70 over the last 30 days. These include 3 virtual machines and 1 SQL database. All are consistently underutilized, with CPU and memory usage far below their provisioned capacity. Downsizing these resources could save €26,351.40 annually, with savings starting immediately upon action.

What the data shows

The analysis shows clear patterns of overprovisioning. For example, 'vm-datascience-dev-01' in a development environment uses just 4% of its CPU and 9% of its memory, yet it is provisioned at a high-performance tier (Standard_E16s_v3). Similarly, 'vm-reporting-prod-01' in production is 4 times larger than needed, with CPU usage peaking at only 22%. The SQL database 'sql-analytics-prod-01' is running on a Premium tier but uses only 15% of its allocated capacity. These findings suggest resources were set up generously and never resized to match actual workloads.

Recommendation

Downsize the 4 resources to the recommended tiers: 'vm-datascience-dev-01' to Standard_E4s_v3, 'vm-reporting-prod-01' to Standard_D4s_v3, 'sql-analytics-prod-01' to Standard S3, and 'vm-api-prod-01' to Standard_D4s_v3. Confirm with your technical team that these workloads will remain within the recommended capacity. Savings will begin immediately after resizing.

⚠ **Risk note:** Two resources ('vm-reporting-prod-01' and 'sql-analytics-prod-01') are in production environments. Test the resizing in a non-production environment first to ensure performance remains acceptable under peak load.

Estimated annual saving from resolving this finding	€26,351.40	View 4 affected resources in full →
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Licensing and BYOL opportunities

Needs Planning

4 affected resources

4 Servers Affected	€24,013.82 Annual Estimated Saving	€47,710.80 Annual Cost
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Saving available by applying existing license entitlements

SQL Server licenses

€18,069.50

per year

2 servers

Windows Server licenses

€5,944.32

per year

2 servers

Total annual saving if AHB applied today

€24,013.82

We found 4 resources in your account that are not using Azure Hybrid Benefit despite being eligible. These include 2 SQL databases and 2 virtual machines running Windows Server. Together, they cost €3,975.90 over the last 30 days. Applying Azure Hybrid Benefit could reduce their annual cost by €24,013.82, with monthly savings starting immediately after reconfiguration.

What the data shows

The largest SQL database, sql-warehouse-prod-01, costs €1,825 per month and could save €1,004 monthly with Azure Hybrid Benefit. Similarly, sql-erp-prod-01 could save €502 per month. For virtual machines, vm-fileserver-prod-01 and vm-sqlreport-prod-01 could save €330 and €165 per month respectively. All resources are in the production environment, and none currently use Azure Hybrid Benefit, suggesting this opportunity has been overlooked.

Recommendation

If your organisation holds active Software Assurance licences for SQL Server and Windows Server, apply Azure Hybrid Benefit to these 4 resources immediately. Start with sql-warehouse-prod-01 and vm-fileserver-prod-01 for the largest savings. Confirm licence eligibility with your procurement team before proceeding.

⚠ Risk note: Ensure your organisation has active Software Assurance licences for SQL Server and Windows Server before applying Azure Hybrid Benefit. Without these licences, the discount cannot be applied.

Estimated annual saving from resolving this finding	€24,013.82	View 4 affected resources in full →
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Reserved Instance and Savings Plan gaps

Needs Planning

5 affected resources

5 Resources Affected	€11,367.58 Annual Estimated Saving	€29,329.20 Annual Cost
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Commitment pricing savings

5 servers · avg 12 months on pay-as-you-go

Pay-as-you-go vs commitment pricing. Click a row to see individual servers in the appendix.

4 servers 1-year commitment	Pay-as-you-go €22,748.40	→	1-year commitment €14,788.34	-35%	Save / year €7,960.06
1 server 3-year commitment	Pay-as-you-go €6,580.80	→	3-year commitment €3,173.28	-52%	Save / year €3,407.52

Switching to commitment pricing now stops the overspend immediately.

We found 5 resources running on pay-as-you-go pricing despite stable usage patterns over the last 12 months. Together, these resources cost €7,331 per month, or €87,972 annually. By switching to Reserved Instances, you could save €11,368 annually. The savings range from €865 to €3,833 per resource, depending on the commitment term and resource type.

What the data shows

The analysis shows consistent usage across all 5 resources, with no significant spikes or changes over the last year. For example, 'sql-analytics-prod-01' has been running on-demand for 12 months and would save €3,833 annually with a 1-year RI. Similarly, 'vm-worker-prod-01' has stable high utilisation, making it suitable for a 3-year RI, saving €3,408 annually. Confidence scores are high (average 0.88), indicating strong reliability of these recommendations.

Recommendation

Purchase Reserved Instances for the 5 resources identified. Start with 1-year commitments for 'sql-analytics-prod-01', 'vm-api-prod-01', 'psql-app-prod-01', and 'vm-webapp-prod-01', and a 3-year commitment for 'vm-worker-prod-01'. Savings begin immediately upon purchase, reducing your monthly costs significantly.

⚠ **Risk note:** Ensure the workloads for these resources will remain stable for the duration of the commitment term. If there is uncertainty about future usage, consider shorter-term commitments or consult your technical team.

Estimated annual saving from resolving this finding	€11,367.58	View 5 affected resources in full →
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Untagged and unallocated resources

Needs Planning

5 affected resources

 **Visibility finding — no direct saving**

This finding does not generate a recoverable saving. It identifies spend that cannot be attributed to a team, project, or cost centre. Resolving it requires applying the missing tags — once done, your cost allocation reporting becomes accurate and future optimisation decisions become better informed.

5

Resources Untagged

€14,832.00

Annual Cost

Required tags missing per resource

12 of 15 missing

Resource	Missing	Tags missing		
Registry 1	3	Environment	Owner	CostCentre
Storage 2	3	Environment	Owner	CostCentre
VM 3	3	Environment	Owner	CostCentre
VM 4	2	Owner	CostCentre	
VM 5	1	CostCentre		

We found 5 resources in your account without required tags such as Environment, Owner, or CostCentre. These resources cost €1,236 over the last 30 days, and their annual cost is €14,832. The largest untagged resource is a virtual machine named vm-unknown-prod-03, costing €413 per month. Two resources already have partial tagging, but are missing specific tags needed for chargeback.

What the data shows

Three resources are completely untagged, including a storage account and two virtual machines in production, costing €153 and €413 per month respectively. Two other virtual machines have partial tags (e.g., Environment=PROD) but lack CostCentre or Owner information, which prevents proper allocation. The untagged resources are concentrated in production environments, suggesting they are critical but unmanaged from a cost accountability perspective.

Recommendation

Apply the missing tags to all 5 resources. Start with the largest cost items, such as vm-unknown-prod-03 (€413/month) and vm-etl-prod-02 (€413/month). Ensure every resource has Environment, Owner, and CostCentre tags to enable chargeback and accountability. This can be done in bulk using Azure tagging tools.

Networking inefficiency

Complex Change

3 affected resources

3 Resources Affected	€11,519.64 Annual Estimated Saving	€19,954.80 Annual Cost
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We found 3 networking resources that could be optimised for cost savings. One ExpressRoute circuit is oversized, with bandwidth utilisation at only 22%. A virtual network is routing inter-region traffic via public internet instead of cheaper VNet peering. A NAT gateway is processing data that could be handled by private endpoints. Together, these inefficiencies cost €1,662.90 in the last 30 days and could save €11,519.64 annually.

What the data shows

The ExpressRoute circuit (er-prod-dublin-01) is provisioned for 1Gbps but only uses 22% of its capacity at peak, indicating it can be downsized to 500Mbps for a monthly saving of €432. The virtual network (vnet-prod-northeurope) is routing 620GB of inter-region traffic through the public internet, which is more expensive than VNet peering — switching routes could save €340/month. The NAT gateway (natgw-prod-northeurope) processes 480GB of data monthly, much of which could be handled by private endpoints for the top 3 downstream services, saving €188/month.

Recommendation

Downsize the ExpressRoute circuit to 500Mbps, reconfigure the virtual network to use VNet peering for inter-region traffic, and replace NAT gateway egress with private endpoints for the top 3 downstream services. These changes will start saving immediately upon implementation.

Risk note: Changes to ExpressRoute and NAT gateway configurations may impact production traffic paths. Verify with your network team before proceeding.

F9 – F14

Microsoft Fabric

Findings & Recommendations

€238,703.52

Section Saving

6

Findings

1

Quick Wins

5

Structural / Arch

Non-production environment running 24/7

Quick Win

3 affected resources

3	€20,939.52	€29,184.00
Environments Affected	Annual Estimated Saving	Annual Cost

Non-production environments running 24/7

On average, 72% of billed time is off-hours — 526 idle hours every month across 3 environments. Nothing is running during those hours. The bill keeps coming.

Annual spend — justified vs wasted



Proposed schedule



We found 3 Fabric capacities tagged as DEV or TEST that are running around the clock. Together, they cost €2,432 in the last 30 days, with €1,570 of that spent on off-hours when no activity was detected. These capacities are consuming 71-72% of their costs during nights and weekends, which could be avoided by pausing them during those times.

What the data shows

The largest waste comes from 'fabriccap-dev-sandbox,' which costs €1,216 per month and spends €876 of that during off-hours. Another capacity, 'fabriccap-dev-notebook,' shows zero activity outside business hours, confirming it is unused during those times. The third, 'fabriccap-test-integration,' is a TEST environment with 71% of its cost occurring during off-hours, suggesting it is also idle during those periods. These patterns strongly indicate that pausing these capacities outside business hours would eliminate unnecessary costs without impacting active work.

Recommendation

Set a pause schedule for these 3 capacities: stop them at 6pm on weekdays and keep them paused all weekend. This will save approximately €1,570 per month, or €20,939 annually. Resuming them in the morning takes just 1-2 minutes, ensuring no disruption to work.

⚠ **Risk note:** Ensure no overnight CI/CD pipelines or automated jobs depend on these capacities before pausing them.

Note: fabriccap-dev-sandbox also appears in the Fabric Capacity Sizing finding (F9). The savings shown here assume pausing at the current capacity tier. If the capacity is also downsized, the pause saving reduces because the hourly rate is lower. Combined saving from both actions: €13,571/year.

Estimated annual saving from resolving this finding

€20,939.52

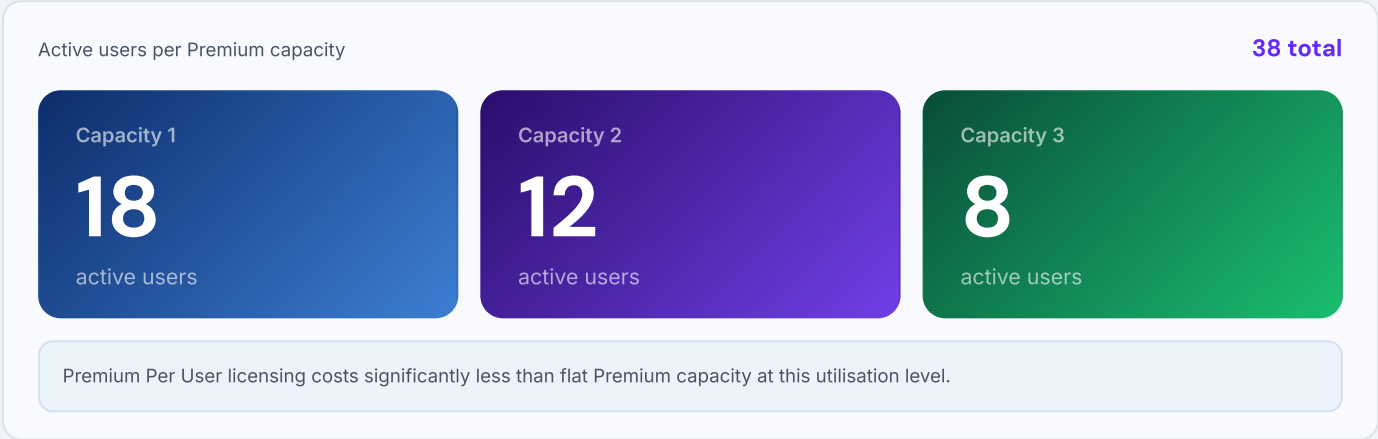
View 3 affected resources in full →

PBI license optimisation

Needs Planning

3 affected resources

38 Total Active Users	€117,828.00 Annual Estimated Saving	€126,360.00 Annual Cost
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We found 3 Power BI Premium capacities in your environment costing €10,530 per month, with only 38 active users across all three. Based on usage patterns, switching these capacities to Per-User licensing would reduce costs to €711 per month, saving €9,819 monthly or €117,828 annually.

What the data shows

The analysis shows that each capacity is significantly underutilized: fabriccap-pbi-hr has 12 users, fabriccap-pbi-finance has 18 users, and fabriccap-pbi-exec has 8 users. Premium capacity pricing is designed for hundreds of users, but these capacities are serving small groups. For example, fabriccap-pbi-hr costs €4,212 per month, but switching to Per-User licensing would cost just €224 per month, saving €3,988 monthly. Similar savings are achievable for the other two capacities.

Recommendation

Switch all three capacities to Per-User licensing. Confirm with your team that the active user counts (12, 18, and 8) reflect actual usage. This change can be implemented immediately, with savings starting from the next billing cycle.

⚠ Risk note: Premium capacity includes features like external user sharing and Fabric integration that are not available in Per-User licensing. Verify that your team does not depend on these features before switching.

CU over-provisioning

Needs Planning

3 affected resources

3	€54,720.00	€102,144.00
Capacities Affected	Annual Estimated Saving	Annual Cost

Capacity Utilisation

3 capacities · all under 50% peak usage

PRODUCTION	2 capacities	CAPACITY UTILISATION	€43,776.00
Capacity 1			
F64	44%	F64 → F32	€29,184.00
Capacity 2			
F32	39%	F32 → F16	€14,592.00
DEV / SANDBOX	1 capacity	CAPACITY UTILISATION	€10,944.00
Capacity 1			
F16	22%	F16 → F4	€10,944.00

Downsizing to recommended SKUs stops the overspend immediately.

We found 3 Fabric capacities running at low utilisation levels. Together, they cost €8,512 in the last 30 days, but resizing them could save €4,560 per month or €54,720 annually. For example, 'fabriccap-prod-analytics' is provisioned at 64 CU but peaked at only 28.4 CU (44% utilisation). Downsizing this resource alone would save €2,432 per month.

What the data shows

The analysis shows that all three capacities are oversized relative to their peak usage. 'fabriccap-prod-analytics' and 'fabriccap-prod-we-analytics' are production resources running at 44% and 39% utilisation, respectively. 'fabriccap-dev-sandbox,' a development capacity, is even more underutilised at 22%. These figures suggest that the current sizes were set conservatively but have not been adjusted as actual usage patterns became clear. Resizing each capacity to the recommended tier would align costs with real demand while retaining headroom for growth.

Recommendation

Downsize the 3 capacities as follows: 'fabriccap-prod-analytics' from F64 to F32, 'fabriccap-prod-we-analytics' from F32 to F16, and 'fabriccap-dev-sandbox' from F16 to F4. These changes can be implemented immediately and reversed quickly if workloads grow unexpectedly. Savings start from the next billing cycle.

Risk note: For production capacities, monitor workload spikes after resizing to ensure performance remains unaffected. Development capacities can be resized with minimal risk.

Note: fabriccap-dev-sandbox also appears in the Fabric Development Environments finding (F12). The savings shown here assume downsizing only. If both downsizing and pause scheduling are applied together, the combined saving is €13,571/year — not the sum of both findings.

Bursting and smoothing

Needs Planning

2 affected resources

45	€31,372.80	€72,960.00
Total Burst Events	Annual Estimated Saving	Annual Cost

Burst frequency vs unused headroom

2 capacities analysed



We found 2 Fabric capacities in your production environment that could be optimised for savings. The first capacity, fabriccap-prod-analytics, has only 3 burst events in 30 days and 56% of its headroom never used, costing €4,864 per month. The second capacity, fabriccap-prod-etl, experienced 42 burst events in the same period, indicating dynamic demand better suited for autoscale, costing €1,216 per month. Together, these adjustments could save €31,372.80 annually.

What the data shows

Fabriccap-prod-analytics shows clear signs of over-provisioning, with most of its capacity sitting idle. Its smoothing utilisation is just 18.4%, and over half of its headroom (55.63%) has never been used. Downsizing this capacity would align its size with actual workload needs. Fabriccap-prod-etl, on the other hand, has frequent bursts (42 events in 30 days) but minimal unused headroom (3.13%). Enabling autoscale for this resource would dynamically adjust capacity to match demand, saving €182 per month compared to its current fixed tier.

Recommendation

Downsize fabriccap-prod-analytics to reduce unused headroom and save €2,432 per month. Enable autoscale for fabriccap-prod-etl to handle dynamic demand efficiently, saving €182 per month. Both changes take effect immediately upon implementation.

Risk note: For fabriccap-prod-analytics, verify quarterly reporting workloads or other seasonal spikes before downsizing. For fabriccap-prod-etl, confirm autoscale settings align with production traffic patterns to avoid capacity shortages during bursts.

Estimated annual saving from resolving this finding	€31,372.80	View 2 affected resources in full →
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OneLake storage

Needs Planning

4 affected resources

4 Datasets Affected	€13,843.20 Annual Estimated Saving	€16,473.60 Annual Cost
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Storage volume breakdown — proportional to GB affected

Cold · Hot tier

4,577GB

70%

Shortcut

1,280GB

20%

Duplicate

680GB

10%

Cold data in Hot tier — 2 datasets · €9,227.52/yr saving

Shortcut opportunity — 1 dataset · €2,902.08/yr saving

Duplicate dataset — 1 dataset · €1,713.60/yr saving

We found 4 storage inefficiencies in your OneLake environment costing €1,372.80 over the last 30 days. These include cold data stored in the Hot tier, duplicate datasets, and mirrored data that could use shortcuts instead. The largest issue involves compliance_logs_2023, which has not been accessed for 245 days and could save €420/month by moving to Archive tier. Together, these changes could save €13,843.20 annually.

What the data shows

Two datasets (compliance_logs_2023 and archived_invoices_2023) are cold data stored in the expensive Hot tier, costing €961.20 this month. Moving them to Archive tier would save €769/month. Additionally, customer_360 is mirrored unnecessarily between two workspaces, costing €268.80 this month — replacing this with a shortcut would save €242/month. Lastly, sales_history_backup_v2 is a duplicate dataset that could be replaced with a shortcut, saving €143/month. These inefficiencies suggest missed opportunities to optimize storage configurations for cost savings.

Recommendation

Move compliance_logs_2023 and archived_invoices_2023 to the Archive tier immediately to save €769/month. Replace the mirroring of customer_360 and the duplicate dataset sales_history_backup_v2 with OneLake shortcuts to reclaim 1.98TB and save €385/month. These actions will reduce costs without affecting data accessibility.

⚠ Risk note: Ensure compliance_logs_2023 and archived_invoices_2023 do not require frequent access before moving to Archive tier. Confirm with your analytics team that shortcuts will not disrupt workflows before replacing mirroring and duplicates.

Note: Three findings apply to the same storage account (onelakeprodne01). Each saving is calculated independently. Applying all three actions together saves up to €5,242/year — the account's full annual cost — rather than the sum of individual savings (€8,809).

Estimated annual saving from resolving this finding

€13,843.20

View 4 affected resources in full →

Workload allocation

Needs Planning

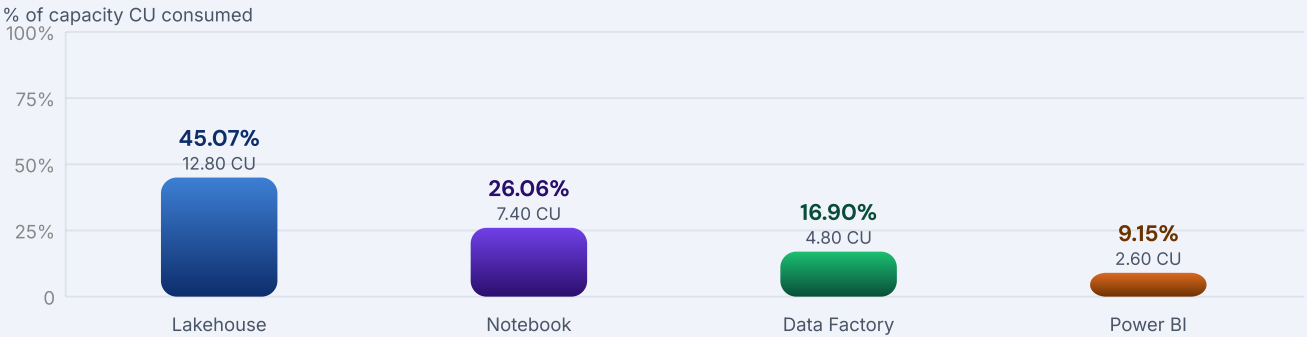
2 affected workspaces

 **Visibility finding — no direct saving**

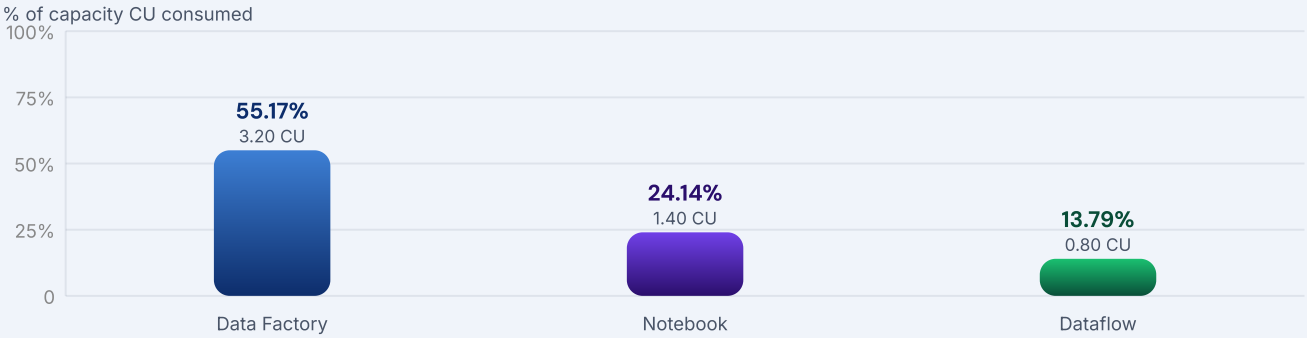
This finding does not generate a recoverable saving. It identifies spend that cannot be attributed to a team, project, or cost centre. Resolving it requires applying the missing tags — once done, your cost allocation reporting becomes accurate and future optimisation decisions become better informed.

2 Capacities Analysed	Lakehouse Query Largest Workload	€72,960.00 Annual Cost
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fabriccap-prod-analytics



fabriccap-prod-etl



We found 2 Fabric capacities in your account with a combined monthly cost of €6,080. For the largest capacity, 'fabriccap-prod-analytics,' Lakehouse Queries dominate usage at 45%, followed by Notebook Execution at 26%. The second capacity, 'fabriccap-prod-etl,' is heavily used by Data Factory pipelines, which consume 55% of its processing power. These insights can help you optimise allocation or consider splitting workloads into dedicated capacities.

Workload allocation

What the data shows

The analysis shows that 'fabriccap-prod-analytics' is shared across five workload types, with Lakehouse Queries consuming nearly half of its capacity. This suggests it is the primary driver of cost for this resource. Similarly, 'fabriccap-prod-etl' is dominated by Data Factory pipelines, which account for over half of its usage. If contention occurs between workloads, separating them into dedicated capacities could improve performance and accountability. No direct savings are identified, but visibility into workload usage enables better cost attribution and future optimisation.

Recommendation

Review the workload breakdown for both capacities. For 'fabriccap-prod-analytics,' consider whether Lakehouse Queries should have a dedicated capacity to avoid contention with smaller workloads like Power BI refreshes. For 'fabriccap-prod-etl,' evaluate whether Data Factory pipelines would benefit from a separate capacity. Use this visibility to reattribute costs to the teams responsible for each workload.

Visibility finding — identifies unattributed spend for governance

View 2 affected workspaces in full →

RESOURCE DETAIL

Appendix

This section lists every resource we identified, grouped by finding. Use it alongside the findings pages to understand the full scope of each opportunity and to guide your team's implementation.

Non-production environments running 24/7

5 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Off-Hours %	Est. Saving / yr
vm-ml-training-dev-01	genai-demo-rg-dev	northeurope	Open	91%	72.0%	€3,036.10
sql-reporting-dev-01	genai-demo-rg-dev	northeurope	Open	87%	72.0%	€2,609.28
vm-datapipeline-dev-01	genai-demo-rg-dev	northeurope	Open	90%	72.5%	€2,063.50
vm-api-uat-01	rg-staging	northeurope	Open	88%	72.0%	€1,797.12
vm-integration-test-01	rg-testing	northeurope	Open	89%	72.0%	€1,347.84
Total · Quick Win						€10,853.84

Servers Running With No Workload

3 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Avg CPU	Max CPU	Months Active	Est. Saving / yr
vm-legacy-batch-prod-01	rg-dataintel-prod	northeurope	Open	95%	1.1%	3.2%	12mo	€3,753.60
vm-analytics-dev-01	genai-demo-rg-dev	northeurope	Open	92%	2.3%	4.9%	8mo	€2,236.80
vm-test-runner-stg-01	rg-staging	northeurope	Open	88%	0.8%	2.1%	6mo	€1,118.40
Total • Quick Win								€7,108.80

Old Backups That Have Never Been Restored

2 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Size (GB)	Age (days)	Last Restore	Est. Saving / yr
snap-db-prod-migration-20250615	rg-dataintel-prod	northeurope	Open	90%	128GB	348 days	Never	€178.80
snap-vm-analytics-dev-20250801	genai-demo-rg-dev	northeurope	Open	93%	64GB	301 days	Never	€98.40
Total · Quick Win								€277.20

Reserved IP Addresses Attached to Nothing

2 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	IP Version	SKU	Months Unbound	Est. Saving / yr
pip-old-gateway-dev	genai-demo-rg-dev	northeurope	Open	98%	IPv4	Basic	9mo	€43.20
pip-test-lb-stg	rg-staging	northeurope	Open	95%	IPv4	Basic	4mo	€43.20
Total · Quick Win								€86.40

Licensing and BYOL opportunities

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4 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Licence Type	AHB Status	Est. Saving / yr
sql-warehouse-prod-01	rg-dataintel-prod	northeurope	Open	91%	sql_server	No AHB applied	€12,045.00
sql-erp-prod-01	rg-dataintel-prod	northeurope	Open	90%	sql_server	No AHB applied	€6,024.50
vm-fileserver-prod-01	rg-dataintel-prod	northeurope	Open	89%	windows_server	No AHB applied	€3,962.88
vm-sqlreport-prod-01	rg-dataintel-prod	northeurope	Open	88%	windows_server	No AHB applied	€1,981.44

Total · Structural Optimisation

€24,013.82

Untagged and unallocated resources

5 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Missing Tags
acrlegacyimages	genai-demo-rg-dev	northeurope	Open	95%	Environment, Owner, CostCentre
stmiscprod001	rg-dataintel-prod	northeurope	Open	95%	Environment, Owner, CostCentre
vm-unknown-prod-03	rg-dataintel-prod	northeurope	Open	95%	Environment, Owner, CostCentre
vm-jenkins-prod-01	rg-dataintel-prod	northeurope	Open	90%	Owner, CostCentre
vm-etl-prod-02	rg-dataintel-prod	northeurope	Open	85%	CostCentre

Total · Structural Optimisation

Resource Name	Resource Group	Region	Status	Conf.	Est. Saving / yr
er-prod-dublin-01	rg-dataintel-prod	northeurope	Open	80%	€5,184.00
vnet-prod-northeurope	rg-dataintel-prod	northeurope	Open	78%	€4,084.92
natgw-prod-northeurope	rg-dataintel-prod	northeurope	Open	82%	€2,250.72
Total · Architectural Work					€11,519.64

Non-production environment running 24/7

3 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Off-Hours %	Off-Hours Cost/yr	Est. Saving / yr
fabriccap-dev-sandbox	rg-fabric-acceltest-dev-northeurope	northeurope	Open	91%	72.0%	€10506	€10,506.24
fabriccap-dev-notebook	rg-fabric-acceltest-dev-northeurope	northeurope	Open	92%	72.0%	€5253	€5,253.12
fabriccap-test-integration	rg-fabric-test-northeurope	northeurope	Open	89%	71.0%	€5180	€5,180.16
Total · Quick Win							€20,939.52

Resource Name	Resource Group	Region	Status	Conf.	Active Users	Current Model	Est. Saving / yr
fabriccap-pbi-hr	rg-fabric-prod-northeurope	northeurope	Open	92%	12	premium_capacity	€47,851.20
fabriccap-pbi-finance	rg-fabric-prod-northeurope	northeurope	Open	90%	18	premium_capacity	€46,504.80
fabriccap-pbi-exec	rg-fabric-prod-northeurope	northeurope	Open	91%	8	premium_capacity	€23,472.00
Total · Structural Optimisation							€117,828.00

Resource Name	Resource Group	Region	Status	Conf.	Current SKU	Rec. SKU	Peak CU %	Est. Saving / yr
fabriccap-prod-analytics	rg-fabric-prod-northeurope	northeurope	Open	89%	F64	F32	44%	€29,184.00
fabriccap-prod-we-analyt ics	rg-fabric-prod-west europe	northeurope	Open	87%	F32	F16	39%	€14,592.00
fabriccap-dev-sandbox	rg-fabric-acceltest-dev-northeurope	northeurope	Open	92%	F16	F4	22%	€10,944.00
Total · Structural Optimisation								€54,720.00

Bursting and smoothing

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Overview

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2 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Burst Events	Unused Headroom	Est. Saving / yr
fabriccap-prod-analytics	rg-fabric-prod-northeurope	northeurope	Open	86%	3	56%	€29,184.00
fabriccap-prod-etl	rg-fabric-prod-northeurope	northeurope	Open	83%	42	3%	€2,188.80

Total · Structural Optimisation

€31,372.80

OneLake storage

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4 affected resources · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.	Size (GB)	Days No Access	Issue Type	Est. Saving / yr
onelakeprodwe01	rg-fabric-prod-westeurope	northeurope	Open	91%	2497GB	245 days	cold_data_not_tiered	€5,034.24
onelakeprodne01	rg-fabric-prod-northeurope	northeurope	Open	90%	2080GB	180 days	cold_data_not_tiered	€4,193.28
onelakeprodne01	rg-fabric-prod-northeurope	northeurope	Open	86%	1280GB	—	shortcut_opportunity	€2,902.08
onelakeprodne01	rg-fabric-prod-northeurope	northeurope	Open	88%	680GB	—	duplicate_dataset	€1,713.60

Total · Structural Optimisation

€13,843.20

Workload allocation

2 affected workspaces · sorted by estimated annual saving

Resource Name	Resource Group	Region	Status	Conf.
fabriccap-prod-analytics	rg-fabric-prod-northeurope	northeurope	<button>Open</button>	85%
fabriccap-prod-etl	rg-fabric-prod-northeurope	northeurope	<button>Open</button>	86%
Total · Structural Optimisation				