

Total Cost of Ownership (TCO) Calculator

Estimate the cost savings you can realize by migrating your workloads to Azure



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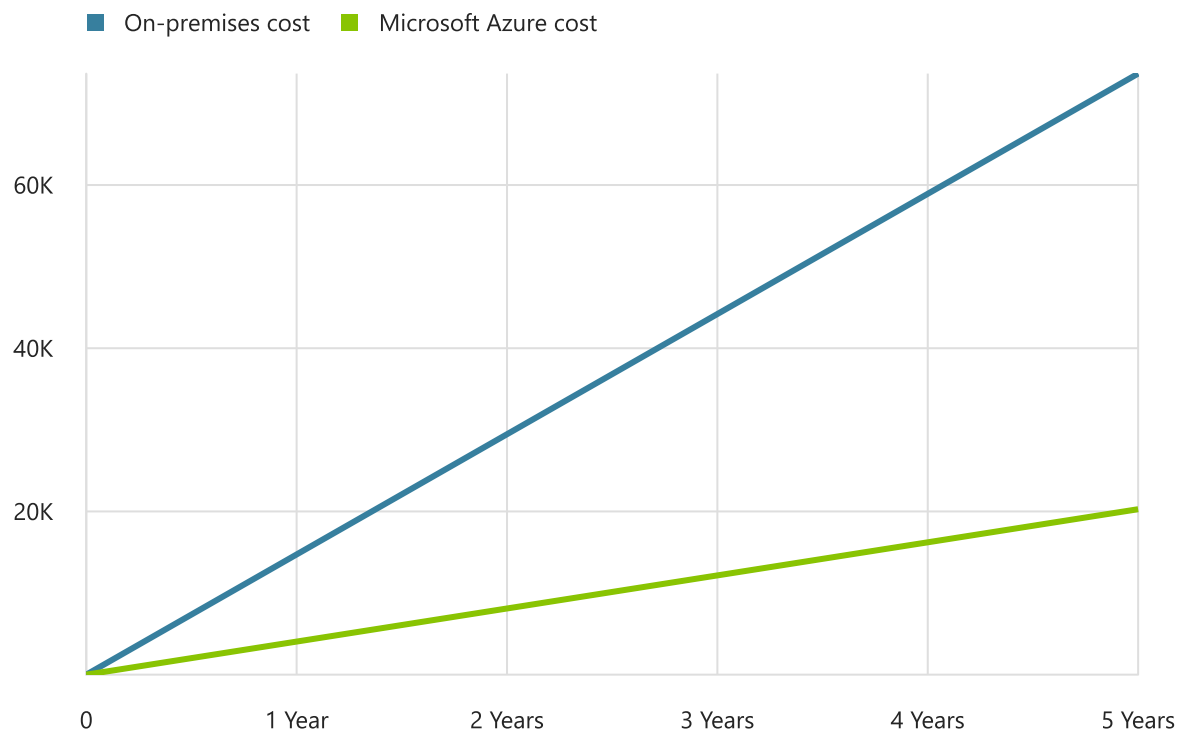


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Over 5 year(s) with Microsoft Azure, your estimated cost savings
could be as much as **€53,380**

Total on-premises vs. Azure cost over time

Savings from running workloads in Azure accrue over time. The following shows how those savings add up over years.



Total on-premises over 5 year(s)

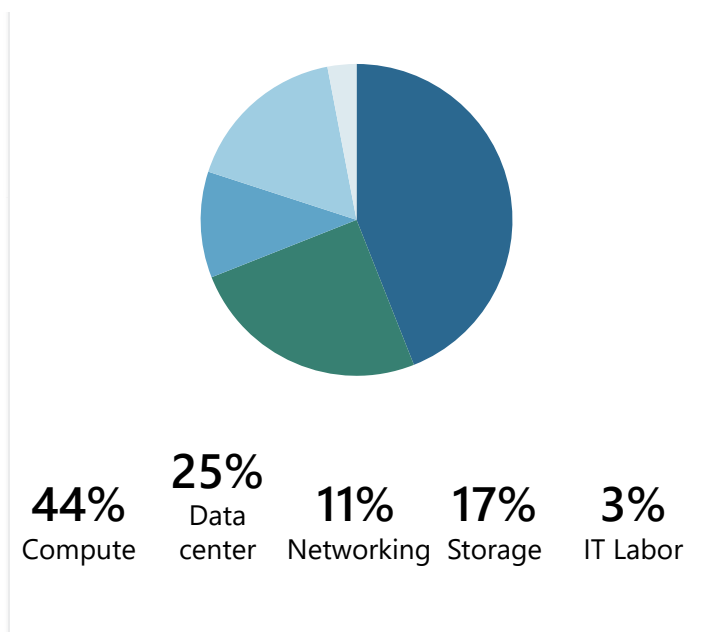
TCO of on-premises environments tends to be driven by compute and data center costs.

Total Azure cost over 5 year(s)

In Azure, certain cost categories decrease or go away completely.

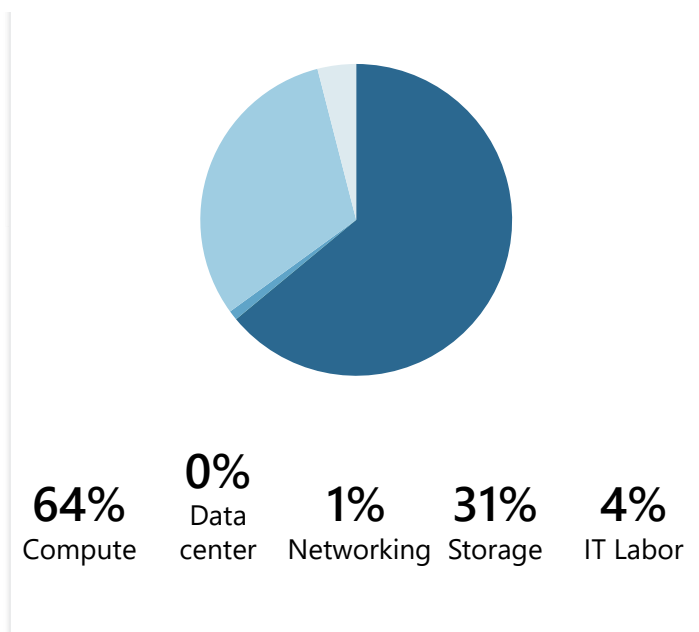
€73,653
Total cost

€20,273
Total cost



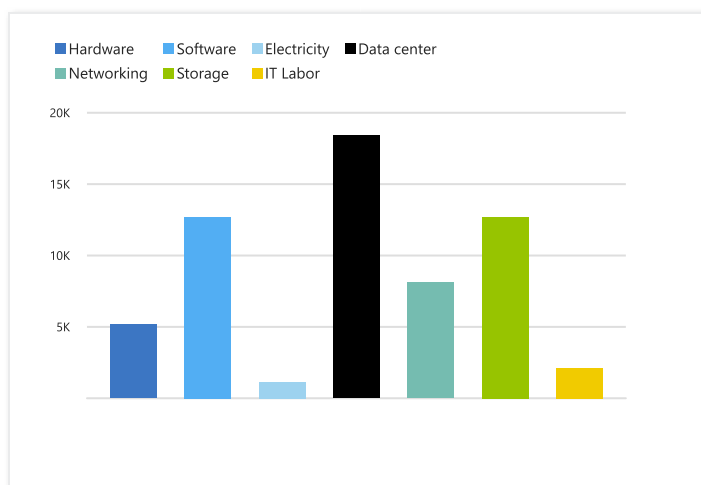
Total on-premises cost breakdown

In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.



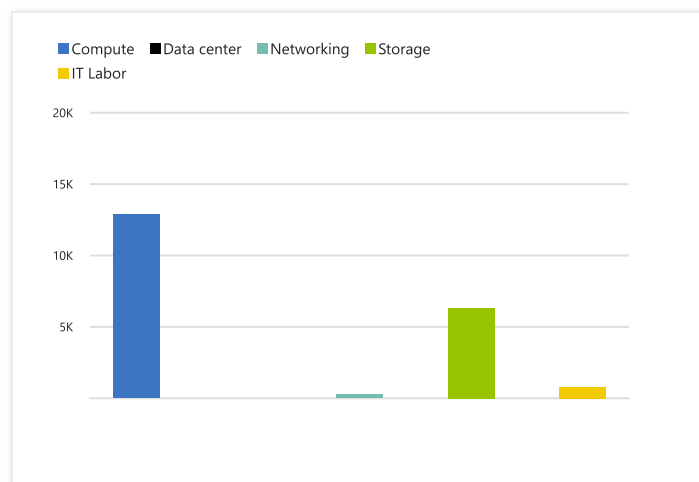
Total Azure cost breakdown

In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.



€73,653

Cost over 5 year(s)



€20,273

Cost over 5 year(s)

On-premises cost breakdown
summary

Azure cost breakdown summary

Total	€73,653.22
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Total	€20,273.31
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Estimated on-premises cost (5 year(s))

Estimated Azure cost (5 year(s))

Compute cost

Azure compute cost

Hardware cost

Cost per 1 proc 1 core, 0.75 GB RAM physical server for Windows	€967.80
Number of servers required	1
Cost per 1 proc 4 core, 7 GB RAM physical server for Windows	€1,609.70
Number of servers required	1
Total cost for physical server(s)	€2,577.50
Cost of maintaining physical server(s) - 20% of cost of physical server(s)	€515.50
Total cost of maintaining server(s) over five year(s)	€2,577.51
Total hardware cost over five year(s)	€5,155.01

Software cost

Virtual Machines cost

Number of hours per month	730
B1S Standard (1 core, 1 GB RAM) Windows (Azure Hybrid Benefit)	SKU# AAA-88003
Number of virtual machines	1
Total virtual machine cost per month	€3.429

Total Azure Virtual Machines cost €205.75

NOTE: For Azure compute costs, 3 year Reserved VM and two 1 year Reserved VM in use.

SQL Database cost

General Purpose Single Gen5 4 vCores (Azure Hybrid Benefit)	€0.24558 /hr
	SKU#

Cost of Windows datacenter license per 1 proc, 1 core, 0.75 GB RAM physical machine	€5,078.27
Number of licenses needed	1
Cost of Windows datacenter license per 1 proc, 4 core, 7 GB RAM physical machine	€5,078.27
Number of licenses needed	1
Total software license cost	€10,156.53
Total Software Assurance cost	€2,539.13
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Total software cost over five year(s)	€12,695.70

Electricity cost

Price of electricity per kWh	€0.10
Power rating of 1 core, 0.75 GB RAM server	105 Watts
Total electricity cost consumed by 1 server(s) - 1 core, 0.75 GB RAM server per month	€7.41
Power rating of 4 core, 7 GB RAM server	166 Watts
Total electricity cost consumed by 1 server(s) - 4 core, 7 GB RAM server per month	€11.71
<hr/>	
Total electricity cost over five year(s)	€1,147.40

SQL Database cost

Total CPU cores	4
SQL Server Standard License cost per 2 cores	€3,066.76
Standard cores	4
Total license cost	€6,133.53
Standard Software Assurance cost per 2 cores	€717.67
Standard cores	4
Total Software Assurance cost	€7,176.70

Instance Count	1
Cost Per Month	€211.14

Total SQL Database cost over five year(s)	€12,668.60
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Total SQL Database cost over five year(s)	€13,310.26
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NOTE: A minimum of four core licenses are required for each physical processor on the server or VM

Total cost over five year(s)	€32,308.31
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Total Azure compute cost over five year(s)	€12,874.35
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Data center cost

Azure data center cost

Compute cost

Number of rack units per rack	42
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Rack units required per 1 core, 0.75 GB RAM server	1
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Number of 1 core, 0.75 GB RAM server	1
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Total number of rack units required	€0.88
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Rack units required per 4 core, 7 GB RAM server	1
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Number of 4 core, 7 GB RAM server	1
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Total number of rack units required	€0.88
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Total number of rack units required for all server(s)	€1.76
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Data center construction cost per rack unit amortized over 20 years	€525.72
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Data center compute cost	€1,051.45
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Total Data center compute cost over five year(s)	€5,257.20
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Storage cost

Total Azure data center cost over five year(s)	€0.00
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Total number of rack units required for all storage	5
Number of rack units for DAS or SAN	5
Rack mounting/installation cost	€2,628.61

Total Data center storage cost over five year(s)	€13,143.10
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Total Data center cost over five year(s)	€18,400.30
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Total Azure data center cost over five year(s)	€0.00
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Networking cost

Azure networking cost

Total hardware + software cost over five year(s)	€17,850.68
Network hardware and software cost assumed to be 25% of hardware and software cost over five year(s)	€4,462.67
Network maintenance cost assumed to be 20% of network hardware and software cost over five year(s)	€892.53
Service provider cost/GB per month	€0.18
Amount of bandwidth needed (GB) per month	250
Total service provider cost per month	€46.14

Total networking cost over five year(s)	€8,123.46
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Total outgoing bandwidth needed per month	250 GB
Total outgoing bandwidth cost per month	€4.31

Total Azure networking cost over five year(s)	€258.37
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Storage cost

Azure storage cost

Hardware

Local Disk/SAN-HDD	
Cost per GB	€1.65
Storage (RAID 10 configuration) volume in GB	5,120

Total storage procurement cost	€8,459.10
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Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over five year(s)	€4,229.50
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Total storage maintenance cost over five year(s)	€4,229.50
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Page Blob storage

Usable storage volume in GB	2,560
Storage cost per GB/month	€0.040
Annual storage cost per usable volume	€1,214.87

Total Page Blob LRS storage maintenance cost over five year(s)	€6,074.35
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SQL Database Server storage

Usable storage volume in GB	40
Price per GB/Month	€0.003
Active DB Storage Cost/Month	€0.111
Annual storage cost per usable volume	€53.15

Total SQL Database Server Storage cost over five year(s)	€265.80
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SQL Database Backup storage

Billable backup storage volume in GB	0
Price per GB/Month	€0.00
Backup Storage Cost/Month	€0.193
Annual storage cost per usable volume	€0.00

Total SQL Database Backup Storage Cost over five year(s)	€0.00
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Total storage cost over five year(s)	€12,688.60
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Total Azure storage cost over five year(s)	€6,340.10
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IT labor cost**Azure IT labor cost**

Number of IT admin hour(s)
needed per year 10.34
Hourly rate for IT
administrator €41.25

Number of IT admin hour(s)
needed per year 3.88
Hourly rate for IT
administrator €41.25

**Total IT labor cost over five
year(s) €2,132.70**

**Total Azure IT labor cost over
five year(s) €800.278**

**Total on-premises cost over five
year(s) €73,653.22**

Total Azure cost over five year(s) €20,273.31

A total **savings** of **€53,379.91** with **Microsoft Azure**