

Total Cost of Ownership (TCO) Calculator

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

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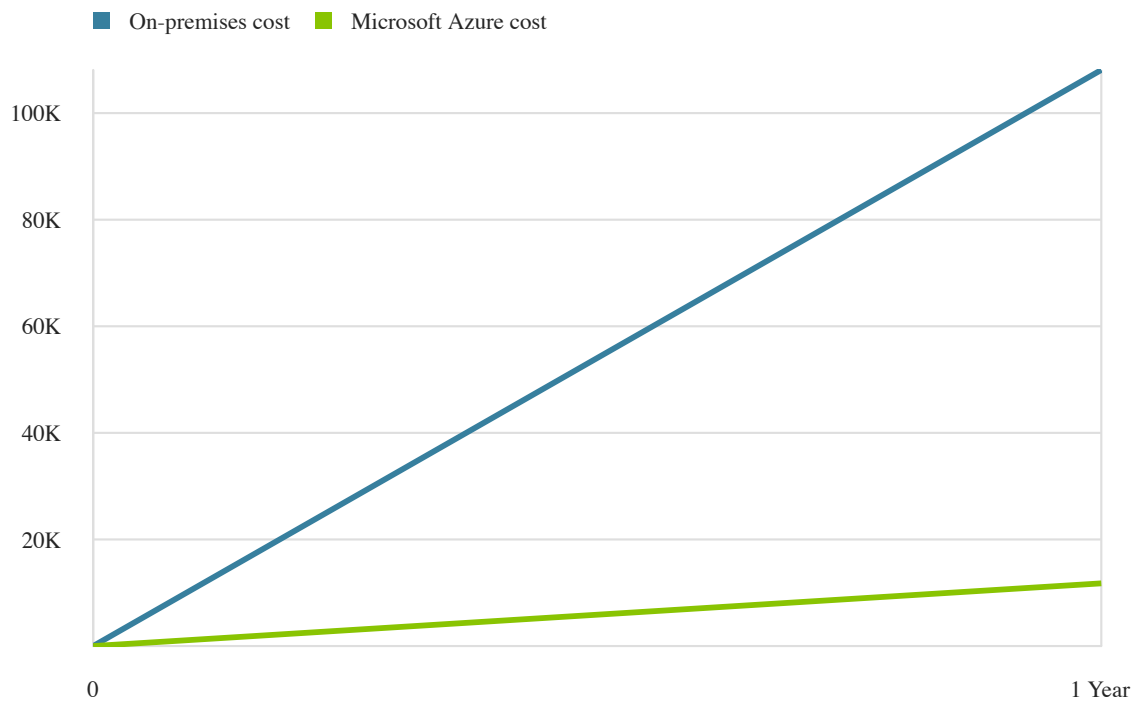


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Over 1 year(s) with Microsoft Azure, your estimated cost
savings could be as much as **€96,335**

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 1 year(s)

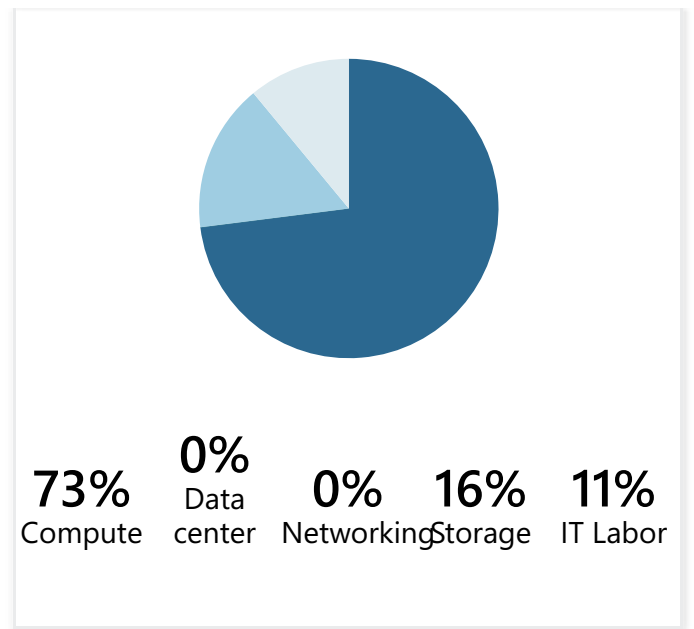
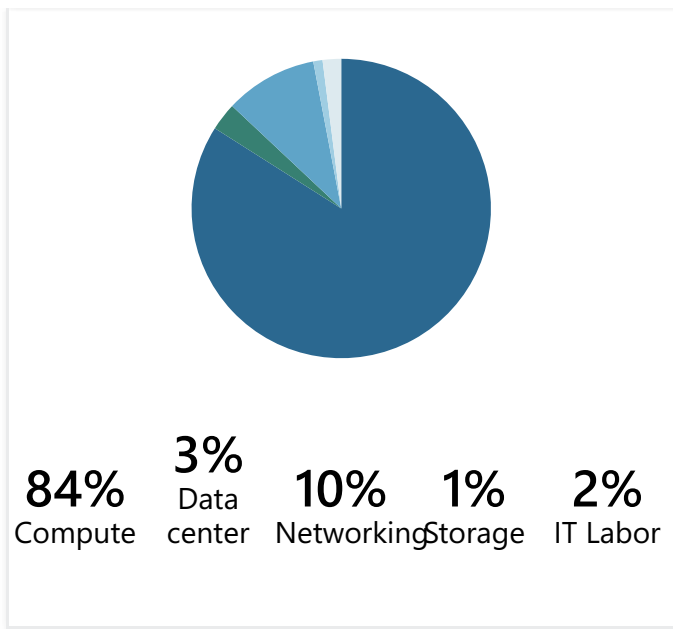
TCO of on-premises environments tends to be driven by compute and data center costs.

€108,098
Total cost

Total Azure cost over 1 year(s)

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

€11,763
Total cost

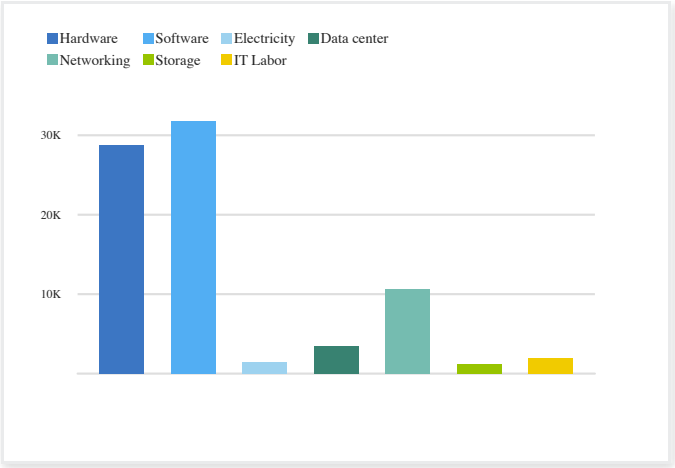


Total on-premises cost breakdown

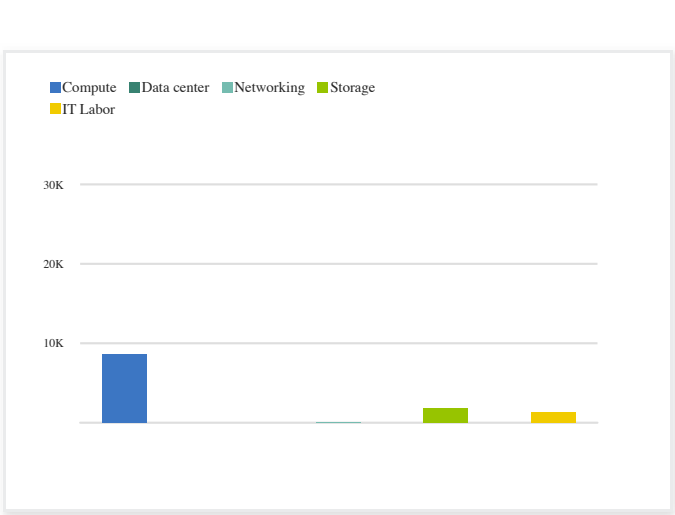
In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.

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.



€108,098
Cost over 1 year(s)



€11,763
Cost over 1 year(s)

On-premises cost breakdown
summary

Azure cost breakdown
summary

Category Cost

Category Cost

Compute	€90,883.81
Hardware	€28,741.01
Software	€31,739.17
Electricity	€1,402.16
Database	€29,001.48
Data Center	€3,491.45
Networking	€10,654.29
Storage	€1,171.39
IT Labor	€1,897.35

Total	€108,098.25
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Compute	€8,587.90
Data Center	€0.00
Networking	€30.60
Storage	€1,879.30
IT Labor	€1,264.9664

Total	€11,762.90
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Estimated on-premises cost (1 year(s))

Estimated Azure cost (1 year(s))

Compute cost

Azure compute cost

Hardware cost

Cost per 2 proc 4 core, 14 GB RAM physical server for Windows	€5,745.76
Number of servers required	1
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Cost per 2 proc 4 core, 14 GB RAM physical server for Windows	€5,745.76
Number of servers required	1
Cost per 2 proc 4 core, 14 GB RAM physical server for Windows	€5,745.76
Number of servers required	1
Cost per 1 proc 1 core, 0.75 GB RAM physical server for Windows	€967.80
Number of servers required	1
Total cost for physical server(s)	€23,950.84
Cost of maintaining physical server(s) - 20% of cost of physical server(s)	€4,790.17
Total cost of maintaining server(s) over one year(s)	€4,790.17
Total hardware cost over one year(s)	€28,741.01

Software cost

Cost of Windows datacenter license per 2 proc, 4 core, 14 GB RAM physical machine	€5,078.27
Number of licenses needed	1

Virtual Machines cost

Number of hours per month	730
B8MS Standard (8 core, 32 GB RAM) Windows (Azure Hybrid Benefit)	SKU# AAN-77459
Number of virtual machines	1
Total virtual machine cost per month	€144.02
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B8MS Standard (8 core, 32 GB RAM) Windows (Azure Hybrid Benefit)	SKU# AAN-77459
Number of virtual machines	1
Total virtual machine cost per month	€144.02
Total Azure Virtual Machines cost	€6,912.94

NOTE: For Azure compute costs, one 1 year Reserved VM in use.

SQL Database cost

General Purpose Single Gen5 2 vCores (Azure Hybrid Benefit)	€0.19121 /hr
	SKU# AAN-78067
Instance Count	1
Cost Per Month	€139.58

Cost of Windows datacenter license per 2 proc, 4 core, 14 GB RAM physical machine	€5,078.27
Number of licenses needed	1
Cost of Windows datacenter license per 2 proc, 4 core, 14 GB RAM physical machine	€5,078.27
Number of licenses needed	1
Cost of Windows datacenter license per 2 proc, 4 core, 14 GB RAM physical machine	€5,078.27
Number of licenses needed	1
Cost of Windows datacenter license per 1 proc, 1 core, 0.75 GB RAM physical machine	€5,078.27
Number of licenses needed	1
Total software license cost	€25,391.30
Total Software Assurance cost	€6,347.80
Total software cost over one year(s)	€31,739.17

Electricity cost

Price of electricity per kWh	€0.11
Power rating of 4 core, 14 GB RAM server	324 Watts
Total electricity cost consumed by 1 server(s) - 4 core, 14 GB RAM server per month	€27.02
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Total electricity cost consumed by 1 server(s) - 4 core, 14 GB RAM server per month	€27.02

Total SQL Database cost over one year(s)	€1,674.98
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Power rating of 4 core, 14 GB RAM server	324 Watts
Total electricity cost consumed by 1 server(s) - 4 core, 14 GB RAM server per month	€27.02

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	€8.75

Total electricity cost over one year(s)	€1,402.16
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SQL Database cost

Total CPU cores	4
SQL Server Enterprise License cost per 2 cores	€11,762.12
Enterprise cores	4
Total license cost	€23,524.25
Enterprise Software Assurance cost per 2 cores	€2,738.61
Enterprise cores	4
Total Software Assurance cost	€5,477.23

Total SQL Database cost over one year(s)	€29,001.48
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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 one year(s)	€90,883.81
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Total Azure compute cost over one year(s)	€8,587.90
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Data center cost

Azure data center cost

Compute cost

Number of rack units per rack	42
Rack units required per 4 core, 14 GB RAM server	2
Number of 4 core, 14 GB RAM server	1
Total number of rack units required	€1.76
Rack units required per 4 core, 14 GB RAM server	2
Number of 4 core, 14 GB RAM server	1
Total number of rack units required	€1.76
Rack units required per 4 core, 14 GB RAM server	2
Number of 4 core, 14 GB RAM server	1
Total number of rack units required	€1.76
Rack units required per 4 core, 14 GB RAM server	2
Number of 4 core, 14 GB RAM server	1
Total number of rack units required	€1.76
Rack units required per 1 core, 0.75 GB RAM server	1
Number of 1 core, 0.75 GB RAM server	1
Total number of rack units required	€0.88
Total number of rack units required for all server(s)	€7.91
Data center construction cost per rack unit amortized over 20 years	€249.39
Data center compute cost	€2,244.50
Total Data center compute cost over one year(s)	€2,244.50

Storage cost

Total number of rack units required for all storage	5
Number of rack units for DAS or SAN	5

Total Azure data center cost over one year(s)

€0.00

Rack mounting/installation cost	€1,246.95
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Total Data center storage cost over one year(s)	€1,246.90
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Total Data center cost over one year(s)	€3,491.45
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Total Azure data center cost over one year(s)	€0.00
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Networking cost

Azure networking cost

Total hardware + software cost over one year(s)	€60,480.17
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Network hardware and software cost assumed to be 15% of hardware and software cost over one year(s)	€9,072.03
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Network maintenance cost assumed to be 15% of network hardware and software cost over one year(s)	€1,360.80
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Service provider cost/GB per month	€0.12
Amount of bandwidth needed (GB) per month	150

Total service provider cost per month	€18.46
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Total networking cost over one year(s)	€10,654.29
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Total outgoing bandwidth needed per month	150 GB
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Total outgoing bandwidth cost per month	€2.55
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Total Azure networking cost over one year(s)	€30.60
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Storage cost

Azure storage cost

Hardware

Local Disk/SAN-HDD	
Cost per GB	€0.18
Storage (RAID 10 configuration) volume in GB	5,120

Total storage procurement cost	€944.90
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Backup

Total backup and archive volume in GB	2,048
	HP LTO-7 BB873A
Backup volume per tape in TB	6
Number of Tape drives required	1
Cost per Tape Drive	€132.01

Backup and Archive cost over one year(s)	€132.01
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Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over one year(s)	€94.49
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Total storage maintenance cost over one year(s)	€94.49
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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
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Total Page Blob LRS storage maintenance cost over one year(s)	€1,214.90
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Backup

Total backup and archive volume in GB	2,048
Storage cost per GB	€0.0197
	SKU# AAN-80274

Backup and Archive maintenance cost over one year(s)	€483.80
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SQL Database Server storage

Usable storage volume in GB	125
Price per GB/Month	€0.001
Active DB Storage Cost/Month	€0.120

Annual storage cost per usable volume	€180.60
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Total SQL Database Server Storage cost over one year(s)	€180.60
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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	€0.209
Annual storage cost per usable volume	€0.00
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Total SQL Database Backup Storage Cost over one year(s)	€0.00
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Total storage cost over one year(s)	€1,171.39
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Total Azure storage cost over one year(s)	€1,879.30
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IT labor cost

Azure IT labor cost

Number of IT admin hour(s) needed per year	100
Hourly rate for IT administrator	€18.97

Number of IT admin hour(s) needed per year	66.67
Hourly rate for IT administrator	€18.97

Total IT labor cost over one year(s)	€1,897.35
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Total Azure IT labor cost over one year(s)	€1,264.9664
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Total on-premises cost over one year(s)	€108,098.25
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Total Azure cost over one year(s)	€11,762.90
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A total **savings** of **€96,335.35** with **Microsoft Azure**

