

Total Cost of Ownership (TCO) Calculator

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

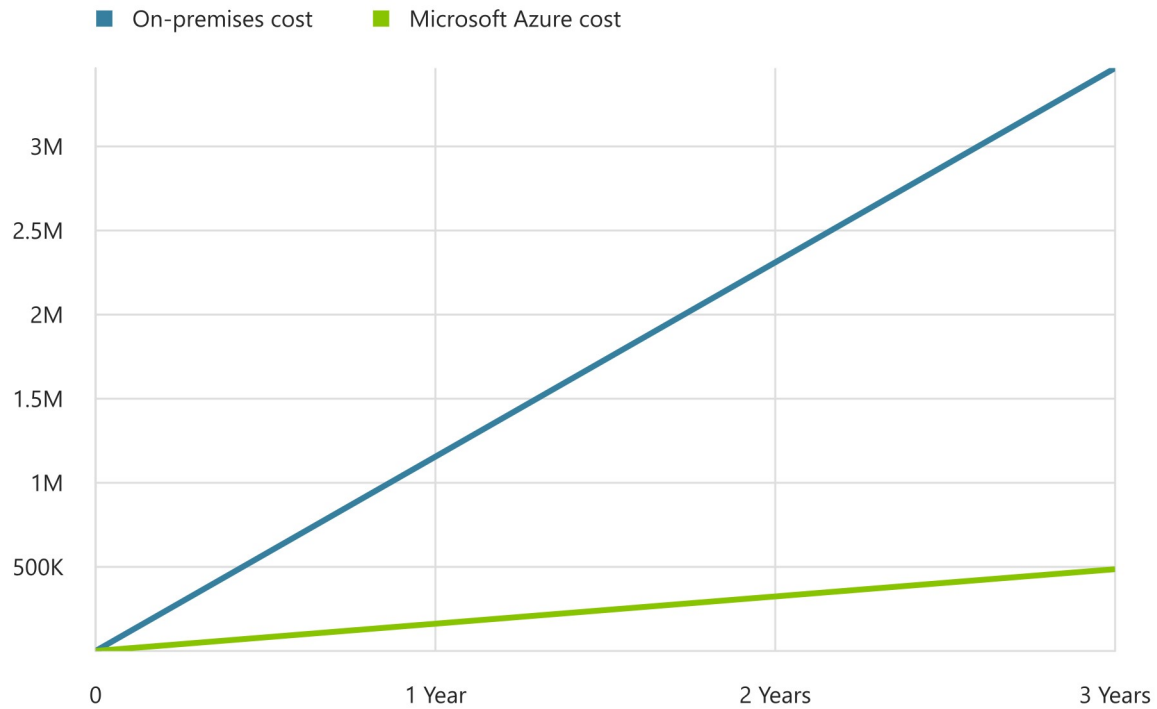
 My saved reports

Over 3 year(s) with Microsoft Azure, your estimated cost savings
could be as much as **€2,979,422**

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.

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Total on-premises over 3 year(s)

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

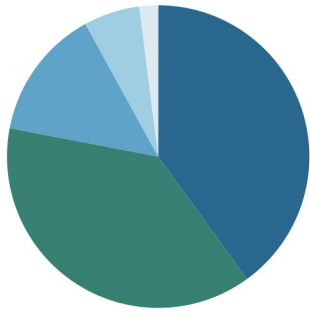
€3,465,837
Total cost

Total Azure cost over 3 year(s)

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

€486,415
Total cost

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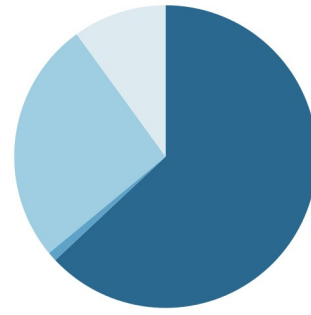
40%
Compute

38%
Data center

14%
Networking

6%
Storage

2%
IT Labor



63%
Compute

0%
Data center

1%
Networking

26%
Storage

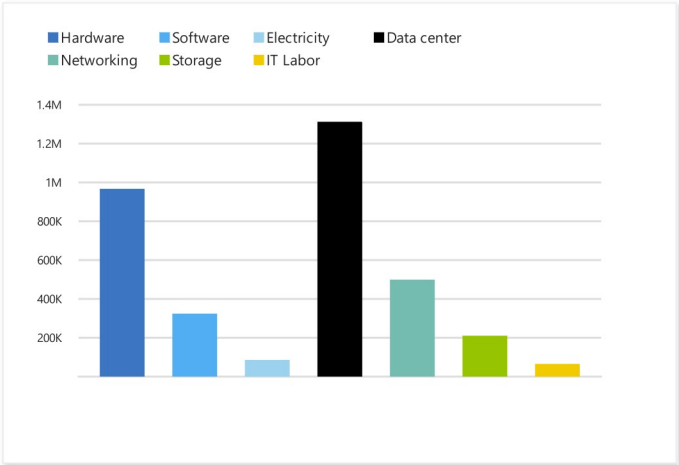
10%
IT Labor

Total on-premises cost breakdown

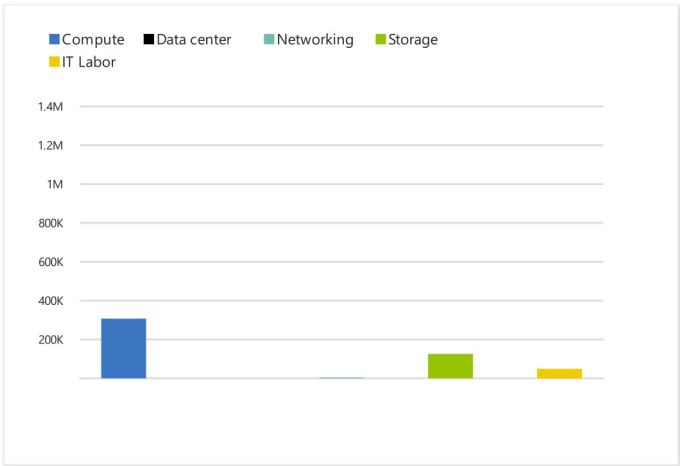
In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.

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.



€3,465,837
Cost over 3 year(s)



€486,415
Cost over 3 year(s)

On-premises cost breakdown
summary

Azure cost breakdown summary

Category	Cost
Compute	€1,377,866.18

Category	Cost
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Hardware	€967,298.83
Software	€324,409.08
Electricity	€86,158.27
Data Center	€1,312,574.90
Networking	€499,427.05
Storage	€210,609.12
IT Labor	€65,359.54

Compute	€307,200.70
Data Center	€0.00
Networking	€4,663.10
Storage	€125,530.96
IT Labor	€49,019.656

Total	€3,465,836.51
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Total	€486,414.60
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Estimated on-premises cost (3 year(s))

Estimated Azure cost (3 year(s))

Compute cost

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Azure compute cost

Hardware cost

Cost per 2 proc 4 core, 16 GB RAM physical server for Windows	€6,045.62
Number of servers required	50
Cost per 2 proc 4 core, 16 GB RAM physical server for Linux	€6,045.62
Number of servers required	50
Total cost for physical server(s)	€604,561.77
Cost of maintaining physical server(s) - 20% of cost of physical server(s)	€120,912.35
Total cost of maintaining server(s) over three year(s)	€362,737.06

Total hardware cost over three year(s)	€967,298.83
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Software cost

Cost of Windows datacenter license per 2 proc, 4 core, 16 GB RAM physical machine	€5,190.55
Number of licenses needed	50
Total software license cost	€259,527.26
Total Software Assurance cost	€64,881.82

Total software cost over three year(s)	€324,409.08
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Electricity cost

Price of electricity per kWh	€0.10
Power rating of 4 core, 16 GB RAM server	324 Watts
Total electricity cost consumed by 50 server(s) - 4 core, 16 GB RAM server per month	€1,196.64

Virtual Machines cost

Number of hours per month	730
F8sv2 Standard (8 core, 16 GB RAM) Windows (Azure Hybrid Benefit)	SKU# AAD-10155
Number of virtual machines	50
Total virtual machine cost per month	€4,266.68
F8sv2 Standard (8 core, 16 GB RAM) Linux	SKU# AAD-10188
Number of virtual machines	50
Total virtual machine cost per month	€4,266.68

Total Azure Virtual Machines cost	€307,200.70
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NOTE: For Azure compute costs, one 3 year Reserved VM in use.

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Power rating of 4 core, 16 GB RAM server	324 Watts
Total electricity cost consumed by 50 server(s) - 4 core, 16 GB RAM server per month	€1,196.64

Total electricity cost over three year(s)	€86,158.27
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Total cost over three year(s)	€1,377,866.18
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Total Azure compute cost over three year(s)	€307,200.70
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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, 16 GB RAM server	2
Number of 4 core, 16 GB RAM server	50
Total number of rack units required	100
Rack units required per 4 core, 16 GB RAM server	2
Number of 4 core, 16 GB RAM server	50
Total number of rack units required	100
Total number of rack units required for all server(s)	200
Data center construction cost per rack unit amortized over 20 years	€1,682.79
Data center compute cost	€336,557.66

Total Data center compute cost over three year(s)	€1,009,672.97
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Total Azure data center cost over three year(s)	€0.00
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Storage cost

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Total number of rack units required for all storage	60
Number of rack units for DAS or SAN	60
Rack mounting/installation cost	€100,967.30

Total Data center storage cost over three year(s)	€302,901.90
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Total Data center cost over three year(s)	€1,312,574.90
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Total Azure data center cost over three year(s)	€0.00
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Networking cost

Azure networking cost

Total hardware + software cost over three year(s)	€1,291,707.91
Network hardware and software cost assumed to be 25% of hardware and software cost over three year(s)	€322,926.98
Network maintenance cost assumed to be 20% of network hardware and software cost over three year(s)	€64,585.40
Service provider cost/GB per month	€0.20
Amount of bandwidth needed (GB) per month	15,360
Total service provider cost per month	€3,108.74

Total outgoing bandwidth needed per month	15 TB
Total outgoing bandwidth cost per month	€129.53

Total networking cost over three year(s)	€499,427.10
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Total Azure networking cost over three year(s)	€4,663.10
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Storage cost

Hardware

Local Disk/SAN-HDD	
Cost per GB	€1.69
Storage (RAID 10 configuration) volume in GB	61,440

Total storage procurement cost	€103,624.70
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Backup

Total backup and archive volume in GB	122,880
	HP LTO-7 BB873A
Backup volume per tape in TB	6
Number of Tape drives required	20
Cost per Tape Drive	€3,794.85

Backup and Archive cost over three year(s)	€75,897.00
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Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over three year(s)	€31,087.41
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Total storage maintenance cost over three year(s)	€31,087.41
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Total storage cost over three year(s)	€210,609.12
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Azure storage cost

Page Blob storage

Usable storage volume in GB	30,720
Storage cost per GB/month	€0.038

Annual storage cost per usable volume	€13,989.34
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Total Page Blob LRS storage maintenance cost over three year(s)	€41,968.00
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Backup

Total backup and archive volume in GB	122,880
Storage cost per GB	€0.0189
	SKU# AAA-70203

Backup and Archive maintenance cost over three year(s)	€83,562.96
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Total Azure storage cost over three year(s)	€125,530.96
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IT labor cost

Azure IT labor cost

Number of IT admin hour(s) needed per year	516.8
Hourly rate for IT administrator	€42.16

Number of IT admin hour(s) needed per year	387.6
Hourly rate for IT administrator	€42.16

Total IT labor cost over three year(s)	€65,359.54
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Total Azure IT labor cost over three year(s)	€49,019.656
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Total on-premises cost over three year(s)	€3,465,836.51
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Total Azure cost over three year(s)	€486,414.60
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A total **savings** of **€2,979,421.91** with **Microsoft Azure**