

Total Cost of Ownership (TCO) Calculator

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



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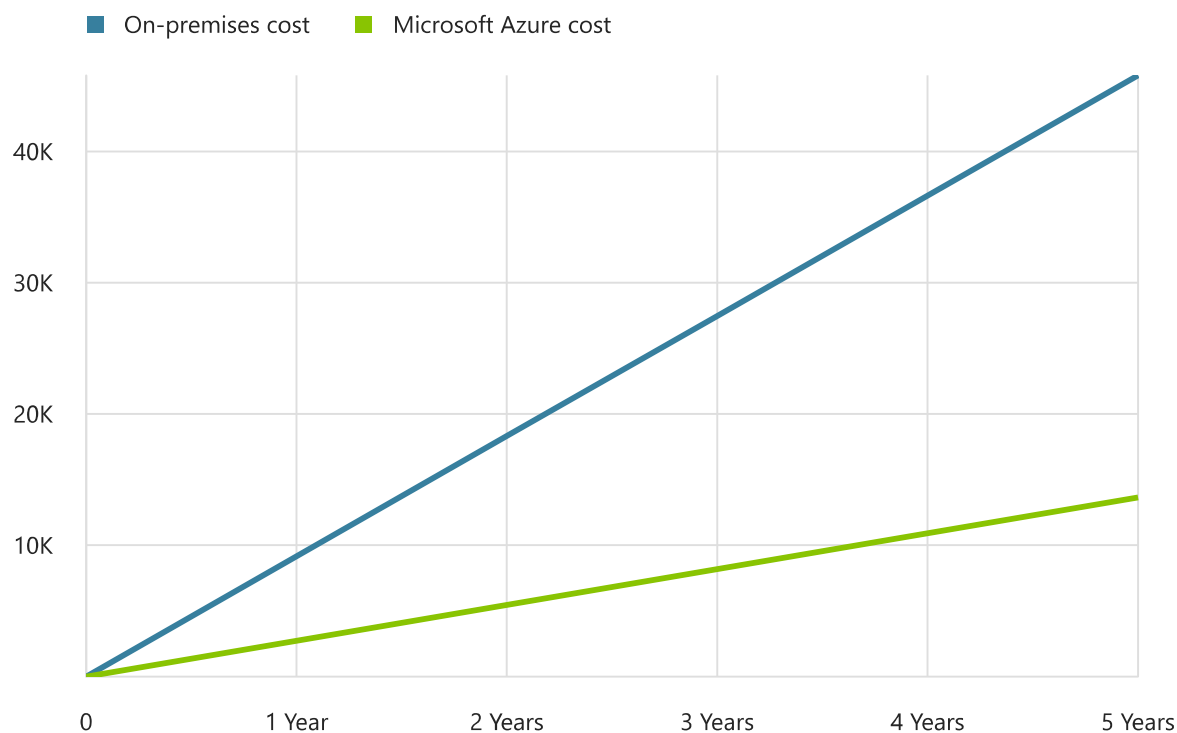
Azure19 University
uazure19@athtech.gr

Over 5 year(s) with Microsoft Azure, your estimated cost savings
could be as much as **\$32,153**

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 5 year(s)

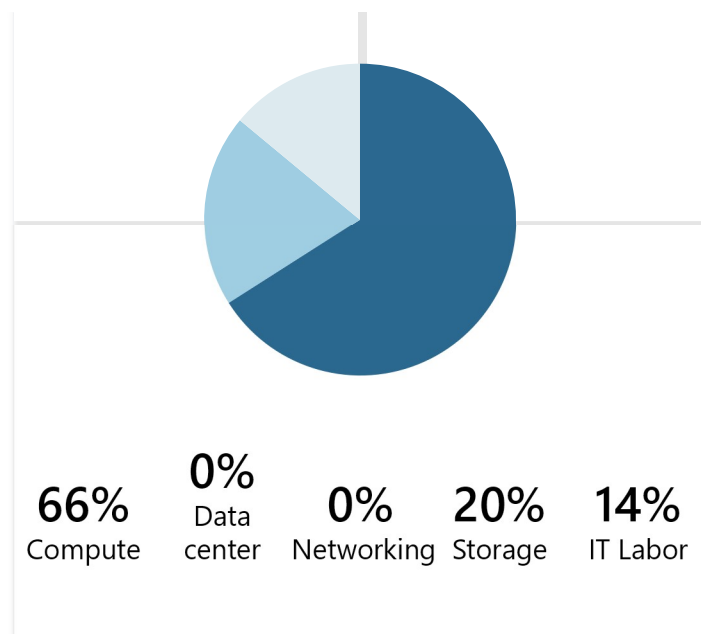
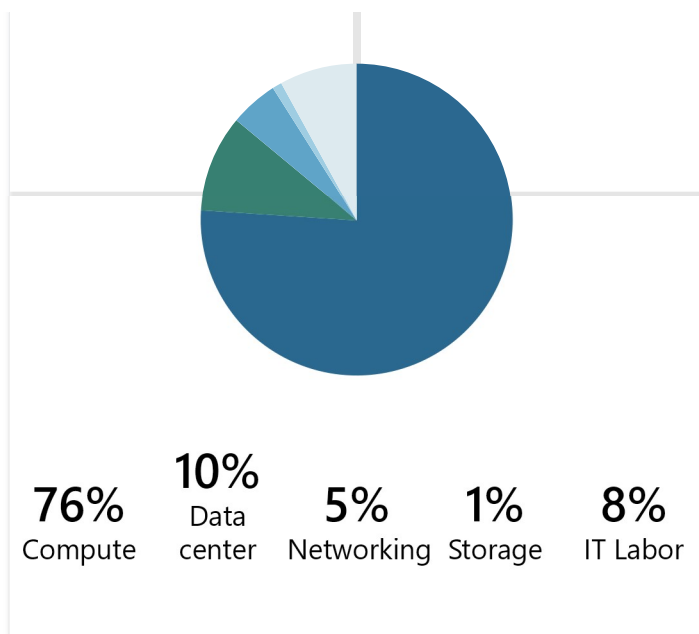
TCO of on-premises environments tends to be driven by compute and data center costs.

Total Azure cost over 5 year(s)

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

\$45,795
Total cost

\$13,642
Total cost⁺ [Chat with Sales](#)



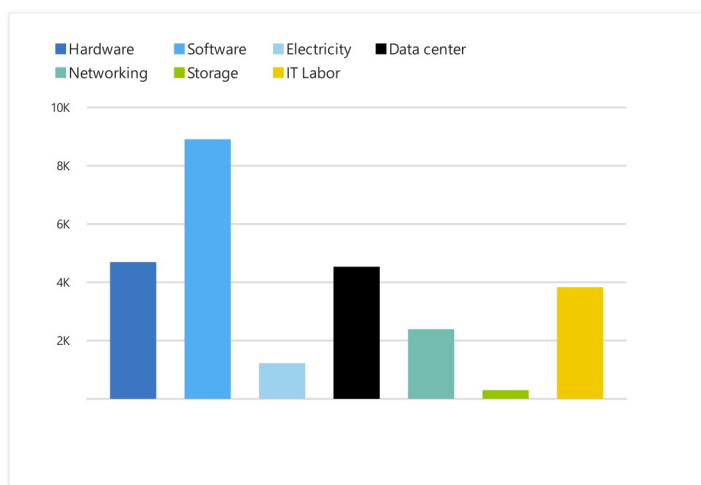
Total on-premises cost breakdown

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

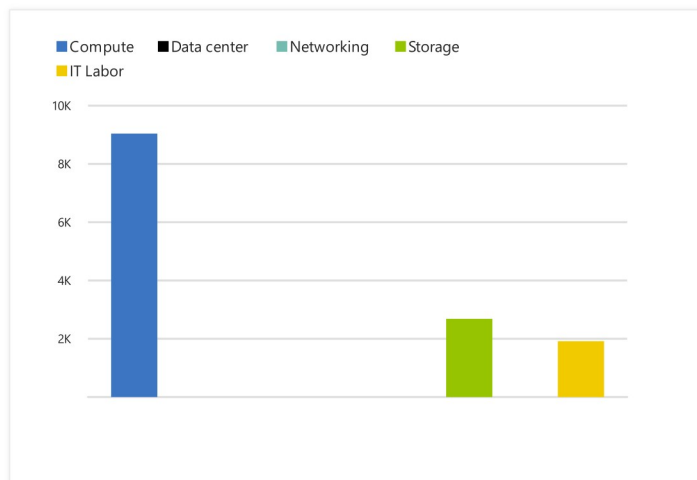
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\$45,795

Cost over 5 year(s)



\$13,642

Cost over 5 year(s)

**On-premises cost breakdown
summary**

Azure cost breakdown summary

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Category	Cost
Compute	\$34,737.25
Hardware	\$4,692.00
Software	\$8,908.75
Electricity	\$1,227.60
Virtualization	\$3,182.40
Database	\$16,726.50
Data Center	\$4,534.05
Networking	\$2,391.13
Storage	\$300.00
IT Labor	\$3,832.95
Total	\$45,795.00

Category	Cost
Compute	\$9,041.04
Data Center	\$0.00
Networking	\$0.00
Storage	\$2,684.40
IT Labor	\$1,917.05
Total	\$13,642.00

Estimated on-premises cost (5 year(s))

Estimated Azure cost (5 year(s))

Compute cost

Azure compute cost

Hardware cost

Virtual machine density - Number of virtual cores that can be created per physical core	3
Cost per 1 proc 1 core, 0.75 GB RAM virtualization server for Windows	\$1,173.00
Number of servers needed for 1 virtual machine(s) - 2 core, 8 GB RAM	1
Cost per 1 proc 1 core, 0.75 GB RAM virtualization server for Windows	\$1,173.00
Number of servers needed for 1 virtual machine(s) - 4 core, 4 GB RAM	1
Total cost for virtualization server(s)	\$2,346.00
Cost of maintaining virtualization server(s) - 20% of cost of virtualization server(s)	\$469.20
Total cost of maintaining server(s) over five year(s)	\$2,346.00
Total hardware cost over five year(s)	\$4,692.00

Virtual Machines cost

Number of hours per month	730
D2v3 Standard (2 core, 8 GB RAM) Windows (Azure Hybrid Benefit)	SKU# AAA-44990
Number of virtual machines	1
Total virtual machine cost per month	\$32.884

**Total Azure Virtual Machines
cost** **\$1,973.04**

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

SQL Database cost

General Purpose Single Gen5 2 vCores (Azure Hybrid Benefit)	\$0.13698 /hr
	SKU#
Instance Count	1
Cost Per Month	\$117.80

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Software cost

Cost of Windows datacenter license per 1 proc, 1 core, 0.75 GB RAM virtualization server	\$6,155.00
Number of servers needed for 1 virtual machine(s) - 2 core, 8 GB RAM	1
Cost of Windows standard license per 1 proc, 1 core, 0.75 GB RAM virtualization server	\$972.00
Number of servers needed for 1 virtual machine(s) - 4 core, 4 GB RAM	1
Total software license cost	\$7,127.00
Total Software Assurance cost	\$1,781.75
Total software cost over five year(s)	\$8,908.75

Electricity cost

Price of electricity per kWh	\$0.1334
Power rating of 1 core, 0.75 GB RAM server	105 Watts
Total electricity cost for 1 server(s) - 1 core, 0.75 GB RAM server per month	\$10.23
Power rating of 1 core, 0.75 GB RAM server	105 Watts
Total electricity cost for 1 server(s) - 1 core, 0.75 GB RAM server per month	\$10.23
Total electricity cost over five year(s)	\$1,227.60

Virtualization cost

Virtualization software license cost	\$0.00
Per virtual machine, per month, cost to load balance, backup and patch virtual machines	\$26.52
Number of virtual machines	2
Virtual machine management cost per month	\$53.04

Total SQL Database cost over five year(s)	\$7,068.00
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Virtual machine management cost per year	\$636.48
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Total virtualization cost over five year(s)	\$3,182.40
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SQL Database cost

Total CPU cores	4
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SQL Server Standard License cost per 2 cores	\$3,717.00
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Standard cores	4
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Total license cost	\$7,434.00
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Standard Software Assurance cost per 2 cores	\$929.25
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Standard cores	4
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Total Software Assurance cost	\$9,292.50
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Total SQL Database cost over five year(s)	\$16,726.50
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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)	\$34,737.25
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Total Azure compute cost over five year(s)	\$9,041.04
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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 Azure data center cost over five year(s)	\$0.00
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Total number of rack units required	\$1.00
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	\$1.00
Total number of rack units required for all server(s)	\$2.00
Data center construction cost per rack unit amortized over 20 years	\$302.27
Data center compute cost	\$604.54
<hr/>	
Total Data center compute cost over five year(s)	\$3,022.70

Storage cost

Total number of rack units required for all storage	1
Number of rack units for Blob	1
Rack mounting/installation cost	\$302.27
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Total Data center storage cost over five year(s)	\$1,511.35

Total Data center cost over five year(s)	\$4,534.05
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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)	\$13,600.75
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Network hardware and software cost assumed to be 15% of hardware and software cost over five year(s)	\$2,040.11
Network maintenance cost assumed to be 15% of network hardware and software cost over five year(s)	\$306.02
Service provider cost/GB per month	\$0.15
Amount of bandwidth needed (GB) per month	5
Total service provider cost per month	\$0.75

Total networking cost over five year(s)	\$2,391.13
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Total outgoing bandwidth needed per month	5 GB
Total outgoing bandwidth cost per month	\$0.00

Total Azure networking cost over five year(s)	\$0.00
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Storage cost

Azure storage cost

Hardware

Blob	
Cost per GB	\$0.20
Storage (RAID 10 configuration) volume in GB (GRS enabled Storage volume doubled to provide geo-redundant capability)	1,000
Total storage procurement cost	\$200.00

Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over five year(s)	\$100.00
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Block Blob storage Hot tier

Usable storage volume in GB	500
Average storage cost per GB/month	\$0.09
% of data being accessed frequently	100
SKU#	N9H-01019
Annual storage cost per usable volume	\$514.80

Total Blob storage - Hot Tier - GRS maintenance cost over five year(s)	\$2,574.00
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Total storage maintenance cost over five year(s)	\$100.00
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SQL Database Server storage

Usable storage volume in GB	16
Price per GB/Month	\$0.007
Active DB Storage Cost/Month	\$0.115
Annual storage cost per usable volume	\$22.08

Total SQL Database Server Storage cost over five year(s)	\$110.40
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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	\$0.200
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)	\$300.00
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Total Azure storage cost over five year(s)	\$2,684.40
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IT labor cost

Azure IT labor cost

Number of IT admin hour(s) needed per year	33.33
Hourly rate for IT administrator	\$23.00

Number of IT admin hour(s) needed per year	16.67
Hourly rate for IT administrator	\$23.00

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Total IT labor cost over five year(s)

\$3,832.95

Total Azure IT labor cost over five year(s)

\$1,917.05**Total on-premises cost over five year(s)****\$45,795.00****Total Azure cost over five year(s)****\$13,642.00**

A total **savings** of **\$32,153.00** with **Microsoft Azure**

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