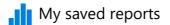
## Total Cost of Ownership (TCO) Calculator

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

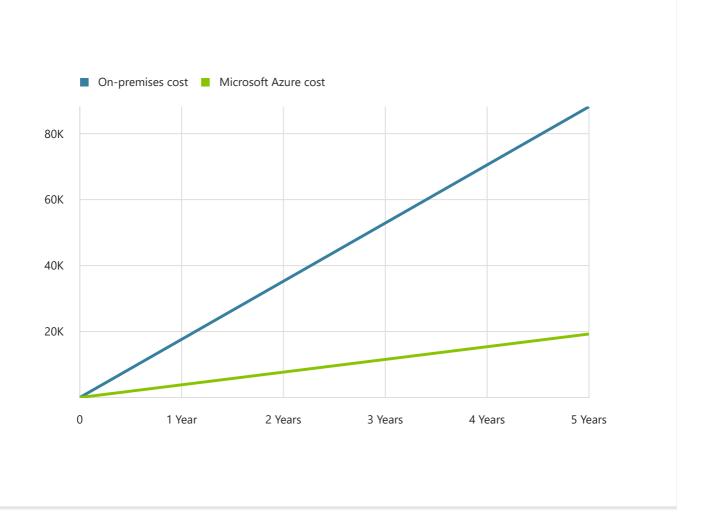




# Over 5 year(s) with Microsoft Azure, your estimated cost savings could be as much as \$68,901

#### 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)

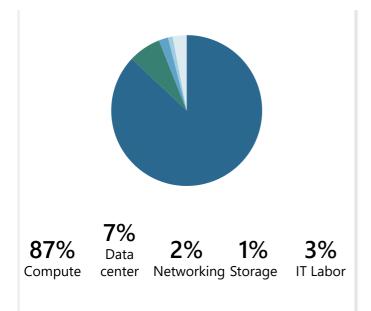
TCO of on-premises environments tends to be driven by compute and data center costs.

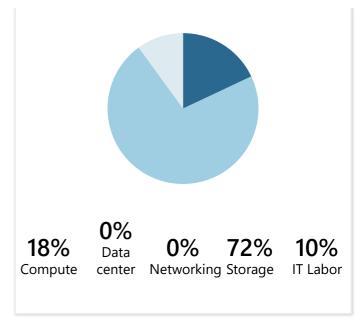
## Total Azure cost over 5 year(s)

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

**\$88,153** Total cost

**\$19,252** Total cost



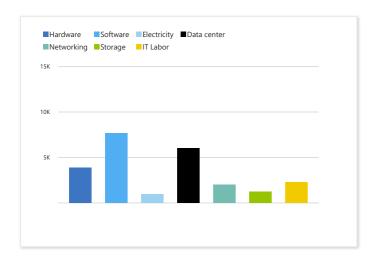


## Total on-premises cost breakdown

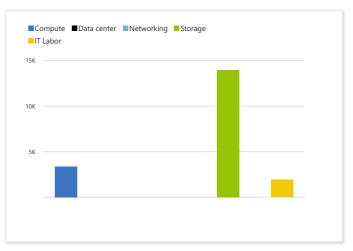
In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.

#### **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.







**\$19,252**Cost over 5 year(s)

On-premises cost breakdown summary

Azure cost breakdown summary

Category	Cost
Compute	\$76,537.95

\$3,902.00	Compute	\$3,384.00
\$7,693.75 \$970.20	Data Center	\$0.00
\$63,972.00	Networking	\$0.00
\$6,045.40	Storage	\$13,950.46
\$2,009.26	IT Labor	\$1,917.05
\$1,260.80		
\$2,300.00		
	\$7,693.75 \$970.20 \$63,972.00 \$6,045.40 \$2,009.26 \$1,260.80	\$7,693.75 \$970.20 Data Center \$63,972.00 Networking \$6,045.40 Storage \$2,009.26 IT Labor

Total	\$88,153.00		
		Total	\$19,252.00

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

Estimated Azure cost (5 year(s))

Compute cost

# Azure compute cost

#### Hardware cost

1.00 1 1.00 0.20
0.20
1.00
2.00
5.00 1
5.00
8.75
3.75
334
334 /atts

## **SQL Server VM Cost**

Total SQL Server VM cost over five year(s)	\$3,384.00
Enterprise (Azure Hybrid Benefit) Number of virtual machines Total virtual machine cost per month	06283 1 \$56.40
Number of hours per month F4sv2 Standard (4 core, 8 GB RAM) Windows, SQL Server	730 SKU# N7H-
N. I. Cl. d.	720

Total electricity cost over five year(s)	\$970.20
SQL Database cost	
Total CPU cores	4
SQL Server Enterprise License cost per 2 cores Enterprise cores	\$14,256.00 4
Total license cost	\$28,512.00
Enterprise Software Assurance cost per 2 cores Enterprise cores	\$3,546.00 4
Total Software Assurance cost	\$35,460.00
Total SQL Server VM cost over five year(s)	\$63,972.00
NOTE: A minimum of four core required for each physical proc server or VM	

Total cost over five year(s)	\$76,537.95		
		<ul> <li>Total Azure compute cost over five year(s)</li> </ul>	\$3,384.00

## Data center cost

## Azure data center cost

Compute cost			
Number of rack units per rack Rack units required per 4 core, 7 GB RAM server	42 1	Total Azure data center cost over five year(s)	\$0.00
Number of 4 core, 7 GB RAM server Total number of rack units required	1 \$1.00		
Total number of rack units required for all server(s)	\$1.00		
Data center construction cost per rack unit amortized over 20 years	\$302.27		

\$302.27
\$1,511.35
3
\$906.81
\$4,534.05

Total Data center cost over five \$6,045.40 year(s)

Total Azure data center cost over five year(s)

\$0.00

## **Networking cost**

# Azure networking cost

Total hardware + software cost over five year(s)	\$11,595.75		
Network hardware and software cost assumed to be 15% of hardware and software cost over five year(s)	\$1,739.36	Total outgoing bandwidth needed per month  Total outgoing bandwidth cost	1 GB
Network maintenance cost assumed to be 15% of network hardware and software cost over five year(s)	\$260.90	per month	\$0.00
Service provider cost/GB per month Amount of bandwidth needed (GB) per month	\$0.15 1		
Total service provider cost per month	\$0.15		

## Storage cost

## Azure storage cost

Hardware	
Local Disk/SAN-SSD Cost per GB Storage (RAID 10 configuration) volume in GB	\$0.40 32
Local Disk/SAN-HDD Cost per GB Storage (RAID 10 configuration) volume in GB	\$0.20 3,072
Total storage procurement cost	\$627.20
Backup	
Total backup and archive volume in GB	1,056 HP LTO-7
Backup volume per tape in TB	BB873A 6
Number of Tape drives required	2
Cost per Tape Drive	\$160.00
Backup and Archive cost over five year(s)	\$320.00
Storage Maintenance	
Storage maintenance cost (10% of storage procurement cost) over five year(s)	\$313.60
Total storage maintenance cost over five year(s)	\$313.60

Page Blob storage	
Usable storage volume in GB Storage cost per GB/month	1,536 \$0.045
Annual storage cost per usable volume	\$829.44
Total Page Blob LRS storage maintenance cost over five year(s)	\$4,147.20
Backup	
Total backup and archive volume in GB	1,024
Storage cost per GB	\$0.0224
	SKU# AAL- 31949
Backup and Archive maintenance cost over five year(s)	\$1,376.26
SQL Server VM storage cost	
Usable storage volume in GB	32
Azure disk match Total IOPS	P4 120
Number of disks	1
Disk price per month	\$5.28
Usable storage volume in GB Azure disk match Total IOPS	1,024 P30 5,000
Number of disks Disk price per month	1 \$135.17

		Total Sql Server VM Storage cost over five year(s)	\$8,427.00
Total storage cost over five year(s)	\$1,260.80	Total Azure storage cost over five year(s)	\$13,950.46
IT labor cost		Azure IT labor cost	
Number of IT admin hour(s) needed per year Hourly rate for IT administrator	20 \$23.00	Number of IT admin hour(s) needed per year Hourly rate for IT administrator	16.67 \$23.00
Total IT labor cost over five year(s)	\$2,300.00	Total Azure IT labor cost over five year(s)	\$1,917.05
tal on-premises cost over five ar(s)	\$88,153.00	Total Azure cost over five year(s)	\$19,252.00

A total savings of \$68,901.00 with Microsoft Azure