Total Cost of Ownership (TCO) Calculator

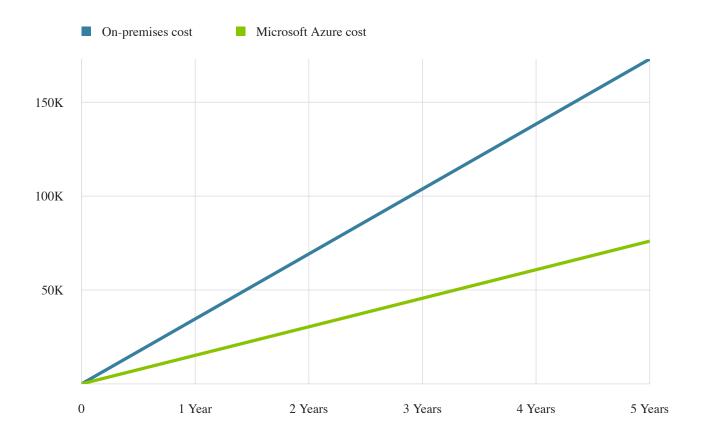
Estimate the cost savings you can realize by migrating your workloads to Azure

My saved reports

Over 5 year(s) with Microsoft Azure, your estimated cost savings could be as much as \$96,992

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)

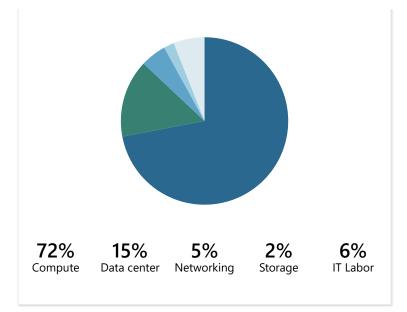
TCO of on-premises environments tends to be driven by compute and data center costs.

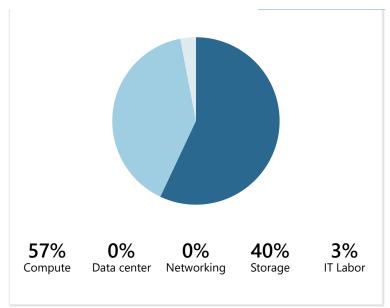
Total Azure cost over 5 year(s)

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

\$173,007 Total cost

\$76,015 Total cost



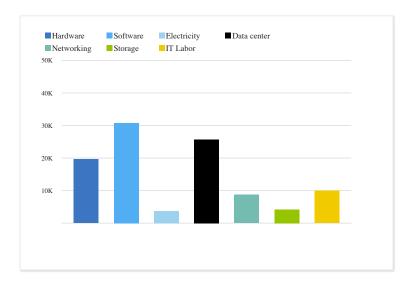


Total on-premises cost breakdown

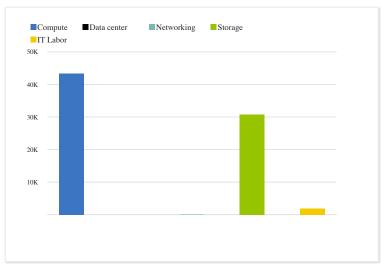
In Azure, several of the cost categories from the on-premises environment are consolidated and decrease with the efficiency that comes with the cloud.

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.



\$173,007 Cost over 5 year(s)



\$76,015Cost over 5 year(s)

On-premises cost breakdown summary

Azure cost breakdown summary

Category	Cost
Compute Hardware Software Electricity Virtualization	\$124,462.20 \$19,604.00 \$30,775.00 \$3,746.40 \$6,364.80

Category	Cost
Compute	\$43,349.64 = Chat with Sales

Database	\$63,972.00	Data Center	\$0.00
Data Center	\$25,692.95	Networking	\$1.20
Networking	\$8,708.38	Storage	\$30,746.76
Storage	\$4,176.00	IT Labor	\$1,917.05
IT Labor	\$9,967.05		
Total	\$173,007.00	7	
lotai	\$1/3,UU/.UU		
		Total	\$76,015.00
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			,
			Ī
			Ī
			Ī
Estimated on-premises cost (5 year	·(s))		
		Estimated Azure cost (5 year(s))	
Compute cost			
-		Azure compute cost	
		· 	
Hardware cost			
Cost per 1 proc 4 core, 7 GB RAM physical server for Windows Number of servers required	\$1,951.00 1	Virtual Machines cost	
Total cost for physical server(s)	\$1,951.00	Number of hours per month	730
Cost of maintaining physical server(s) - 20% of cost of physical server(s)	\$390.20	Number of virtual machines	AA-68679 1
		Total virtual machine cost per month = Cha	\$55.914 at with Sales

Virtual machine density - Number of virtual cores that can be created per physical core	3
Cost per 2 proc 1 core, 4 GB RAM virtualization server for Windows Number of servers needed for 2 virtual machine(s) - 2 core, 4 GB RAM	\$4,332.00 1
Cost per 1 proc 1 core, 0.75 GB RAM virtualization server for Windows Number of servers needed for 1 virtual machine(s) - 4 core, 1 GB RAM	\$1,173.00 1
Cost per 1 proc 1 core, 0.75 GB RAM virtualization server for Windows Number of servers needed for 1 virtual machine(s) - 3 core, 10 GB RAM	\$1,173.00 2
Total cost for virtualization server(s)	\$7,851.00
Cost of maintaining virtualization server(s) - 20% of cost of virtualization server(s)	\$1,570.20
Total cost of maintaining server(s) over five year(s)	\$9,802.00
Total hardware cost over five year(s)	\$19,604.00
Software cost	
Cost of Windows datacenter license per 1 proc, 4 core, 7 GB RAM physical machine Number of licenses needed	\$6,155.00 1
Cost of Windows datacenter license per 2 proc, 1 core, 4 GB RAM virtualization server	\$6,155.00
Number of servers needed for 2 virtual machine(s) - 2 core, 4 GB RAM	1
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) - 4 core, 1 GB RAM	1
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) - 3 core, 10 GB RAM	1
Total software license cost	\$24,620.00
Total Software Assurance cost	\$6,155.00
Total software cost over five year(s)	\$30,775.00
Electricity cost	
Price of electricity per kWh	\$0.1334
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	\$16.17
Power rating of 1 core, 4 GB RAM server Total electricity cost for 1 server(s) - 1 core, 4 GB RAM server per month	160 Watts \$15.58

Total Azure Virtual Machines cost	\$3,354.84
NOTE: For Azure compute costs, 3 year Restwo 1 year Reserved VM in use.	served VM and
App Service cost	
B2 Basic App Service (2 core, 3.5 GB RAM)	\$0.15 /h
Full time App Service instances	SKU# T2X-00018
Average utilization	80 %
Auto scaling Total App Service cost per month	No \$175.20
	Φ17 3.20
Total App Service cost over five year(s)	\$10,512.00
SQL Database cost	
General Purpose Single Gen5 4 vCores (Azure Hybrid Benefit)	\$0.27396 /h
(Azure nybriu benefit)	SKU# AAD- 17850
Instance Count	17030
Cost Per Month	\$235.59
Total SQL Database cost over five year(s)	\$14,135.40
Azure Database for MySQL cost	
Azure Database for MySQL -	\$0.3504 /h
GeneralPurpose G5, 4 vCore(s)	SKU# AAA-90574
Instance Count	1
Cost Per Month	\$255.79
Total Azure Database for MySQL cost over five year(s)	\$15,347.40

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 2 server(s) - 1 core, 0.75 GB RAM server per month	\$20.46
Total electricity cost over five year(s)	\$3,746.40
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	4
Virtual machine management cost per month	\$106.08
Virtual machine management cost per year	\$1,272.96
Total virtualization cost over five year(s)	\$6,364.80
COL Database sort	
SQL Database cost	
Total CPU cores	4
Total CPU cores SQL Server Enterprise License cost per 2 cores	4 \$14,256.00 4
Total CPU cores SQL Server Enterprise License cost per 2	\$14,256.00
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2 cores	\$14,256.00 4 \$28,512.00 \$3,546.00
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2	\$14,256.00 4 \$28,512.00
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2 cores Enterprise cores	\$14,256.00 4 \$28,512.00 \$3,546.00 4
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2 cores Enterprise cores Total Software Assurance cost Total SQL Database cost over five	\$14,256.00 4 \$28,512.00 \$3,546.00 4 \$35,460.00 \$63,972.00
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2 cores Enterprise cores Total Software Assurance cost Total SQL Database cost over five year(s) NOTE: A minimum of four core licenses are r	\$14,256.00 4 \$28,512.00 \$3,546.00 4 \$35,460.00 \$63,972.00
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2 cores Enterprise cores Total Software Assurance cost Total SQL Database cost over five year(s) NOTE: A minimum of four core licenses are reach physical processor on the server or VM	\$14,256.00 4 \$28,512.00 \$3,546.00 4 \$35,460.00 \$63,972.00
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2 cores Enterprise cores Total Software Assurance cost Total SQL Database cost over five year(s) NOTE: A minimum of four core licenses are reach physical processor on the server or VM MySQL Database cost	\$14,256.00 4 \$28,512.00 \$3,546.00 4 \$35,460.00 \$63,972.00 equired for
Total CPU cores SQL Server Enterprise License cost per 2 cores Enterprise cores Total license cost Enterprise Software Assurance cost per 2 cores Enterprise cores Total Software Assurance cost Total SQL Database cost over five year(s) NOTE: A minimum of four core licenses are reach physical processor on the server or VM MySQL Database cost Total number of license(s) required MySQL Community Edition License cost	\$14,256.00 4 \$28,512.00 \$3,546.00 4 \$35,460.00 \$63,972.00 equired for

Total Azure compute cost over fi	ve
year(s)	

five

\$43,349.64

\$0.00

Data center cost

Azure data center cost

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Total Data center storage cost over five year(s)	\$18,136.20	
Rack mounting/installation cost	\$3,627.24	
Number of rack units for DAS or SAN	12	
Total number of rack units required for all storage	12	
Storage cost		
Total Data center compute cost over five year(s)	\$7,556.75	
Data center compute cost	\$1,511.35	
Data center construction cost per rack unit amortized over 20 years	\$302.27	
Total number of rack units required for all server(s)	5	
Number of 1 core, 0.75 GB RAM server Total number of rack units required	2 2	
Rack units required per 1 core, 0.75 GB RAM server	1	
Number of 1 core, 0.75 GB RAM server Total number of rack units required	1 1	
Rack units required per 1 core, 0.75 GB RAM server	1	
Number of 1 core, 4 GB RAM server Total number of rack units required	1 1	
Rack units required per 1 core, 4 GB RAM	1	
server Number of 4 core, 7 GB RAM server Total number of rack units required	1 1 1	
Rack units required per 4 core, 7 GB RAM	1	year(s)
Number of rack units per rack	42	Total Azure data center of year(s)

	Total Azure data center cost over five year(s)	\$0.00		
	Azure networking cost			
550,379.00				
\$7,556.85	Total outgoing bandwidth needed per month	2 GB		
\$1,133.53	Total outgoing bandwidth cost per month	\$0.02		
\$0.15				
2 \$0.30				
	_			
\$8,708.38				
	Total Azure networking cost over five year(s)	\$1.20		
	Azure storage cost			
\$0.20	Page Blob storage			
12,320	Usable storage volume in GB Storage cost per GB/month	4,096 \$0.045		
\$2,464.00	Annual storage cost per usable volume	\$2,211.84		
	Total Page Blob LRS storage maintenance cost over five year(s)	\$11,059.20		
10,590 HP LTO-7	Backup			
BB873A 6 3	Total backup and archive volume in GB	10,240		
	Total backap and archive volume in GB	•		

SKU# AAA-70203

Networking cost

year(s)

month

Storage cost

Hardware

in GB

Backup

Local Disk/SAN-HDD

Storage (RAID 10 configuration) volume

Total storage procurement cost

Total backup and archive volume in GB

Backup volume per tape in TB Number of Tape drives required

Cost per Tape Drive

Cost per GB

Total hardware + software cost over five

Network hardware and software cost assumed to be 15% of hardware and

Network maintenance cost assumed to be 15% of network hardware and

Service provider cost/GB per month Amount of bandwidth needed (GB) per

Total service provider cost per month

Total networking cost over five year(s)

software cost over five year(s)

software cost over five year(s)

Backup and Archive cost over five year(s)	\$480.00	Backup and Archive maintenance cost over five year(s)	\$13,762.56
Storage Maintenance		SQL Database Server storage	
Storage maintenance cost (10% of storage procurement cost) over five year(s)	\$1,232.00	Usable storage volume in GB Price per GB/Month Active DB Storage Cost/Month	250 \$0.00 \$0.115
Total storage maintenance cost over five year(s)	\$1,232.00	Annual storage cost per usable volume	\$345.00
year(s)		Total SQL Database Server Storage cost over five year(s)	\$1,725.00
		SQL Database Backup storage	
		Billable backup storage volume in GB Price per GB/Month Backup Storage Cost/Month	350 \$0.001 \$0.20
		Annual storage cost per usable volume	\$840.00
		Total SQL Database Backup Storage Cost over five year(s)	\$4,200.00
Total storage cost over five year(s)	\$4,176.00		
		Total Azure storage cost over five year(s)	\$30,746.76
IT labor cost			
		Azure IT labor cost	
Number of IT admin hour(s) needed per year Hourly rate for IT administrator	86.67 \$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)	\$9,967.05	_	
		Total Azure IT labor cost over five year(s)	\$1,917.05

A total savings of \$96,992.00 with Microsoft Azure