

Total Cost of Ownership (TCO) Calculator

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

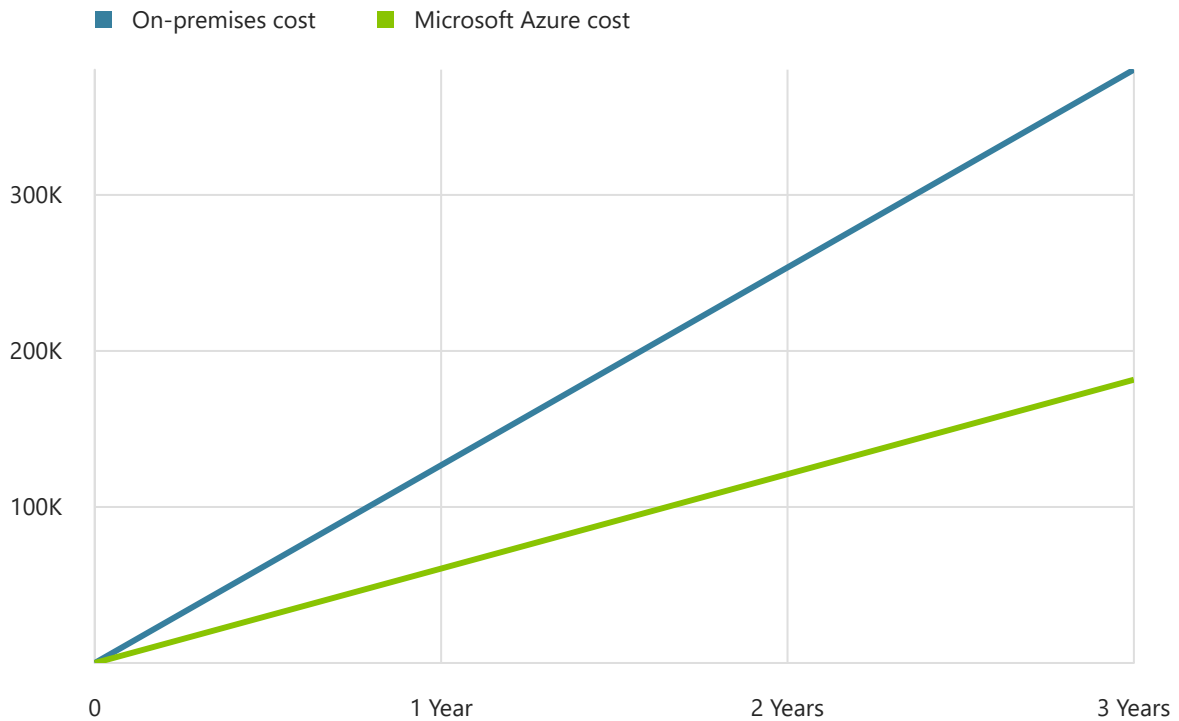
 My saved reports

Over 3 year(s) with Microsoft Azure, your estimated cost savings
could be as much as **\$198,725**

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)

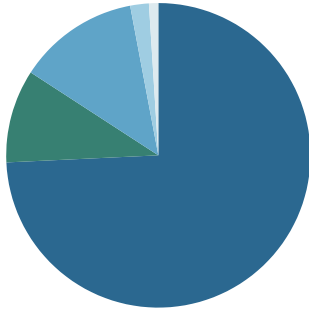
TCO of on-premises environments tends to be driven by compute and data center costs.

Total Azure cost over 3 year(s)

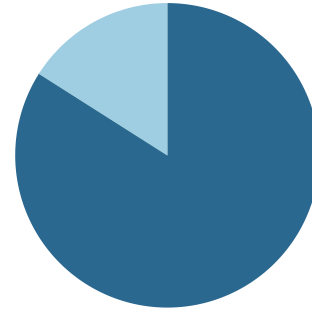
In Azure, certain cost categories decrease or go away completely.

\$380,286
Total cost

\$181,561
Total cost = [Chat with Sales](#)



75%	10%	13%	2%	1%
Compute	Data center	Networking	Storage	IT Labor



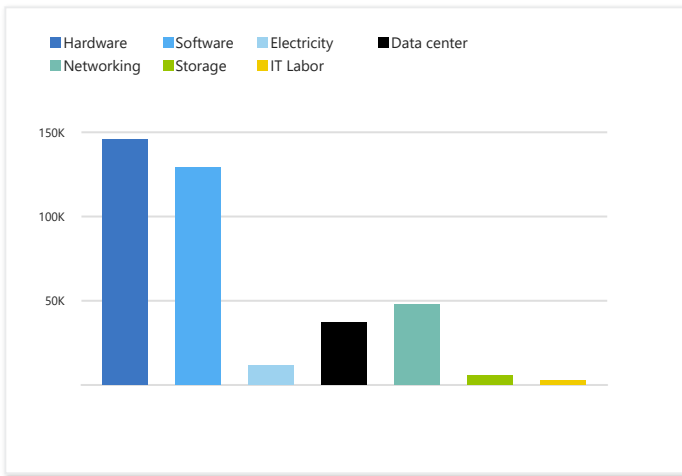
84%	0%	0%	16%	0%
Compute	Data center	Networking	Storage	IT Labor

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.

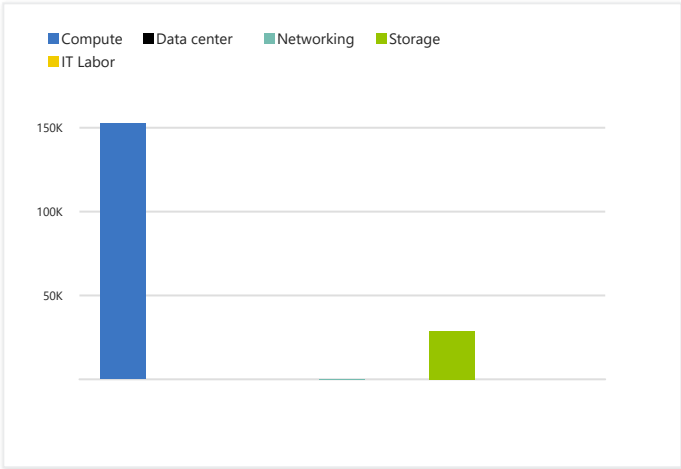
Total Azure cost breakdown

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



\$380,286

Cost over 3 year(s)



\$181,561

Cost over 3 year(s)

**On-premises cost breakdown
summary**

Azure cost breakdown summary

Category	Cost
Compute	\$286,588.68
Hardware	\$145,555.20
Software	\$129,255.00
Electricity	\$11,778.48
Database	\$0.00
Data Center	\$37,179.21
Networking	\$47,944.76
Storage	\$5,813.12
IT Labor	\$2,760.00

Total	\$380,286.00
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Category	Cost
Compute	\$152,550.00
Data Center	\$0.00
Networking	\$36.00
Storage	\$28,975.10
IT Labor	\$0.00

Total	\$181,561.00
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Estimated on-premises cost (3 year(s))	Estimated Azure cost (3 year(s))																																		
Compute cost	Azure compute cost																																		
Hardware cost <table> <tr> <td>Cost per 2 proc 1 core, 4 GB RAM physical server for Windows</td><td>\$4,332.00</td></tr> <tr> <td>Number of servers required</td><td>20</td></tr> <tr> <td>Cost per 2 proc 1 core, 4 GB RAM physical server for Windows</td><td>\$4,332.00</td></tr> <tr> <td>Number of servers required</td><td>1</td></tr> <tr> <td>Total cost for physical server(s)</td><td>\$90,972.00</td></tr> <tr> <td>Cost of maintaining physical server(s) - 20% of cost of physical server(s)</td><td>\$18,194.40</td></tr> <tr> <td>Total cost of maintaining server(s) over three year(s)</td><td>\$54,583.20</td></tr> <tr> <td>Total hardware cost over three year(s)</td><td>\$145,555.20</td></tr> </table>	Cost per 2 proc 1 core, 4 GB RAM physical server for Windows	\$4,332.00	Number of servers required	20	Cost per 2 proc 1 core, 4 GB RAM physical server for Windows	\$4,332.00	Number of servers required	1	Total cost for physical server(s)	\$90,972.00	Cost of maintaining physical server(s) - 20% of cost of physical server(s)	\$18,194.40	Total cost of maintaining server(s) over three year(s)	\$54,583.20	Total hardware cost over three year(s)	\$145,555.20	App Service cost <table> <tr> <td>P2v2 Premiumv2 App Service (2 core, 7 GB RAM)</td><td>\$0.40 /hr</td></tr> <tr> <td></td><td>SKU# AAA-48518</td></tr> <tr> <td>Full time App Service instances</td><td>1</td></tr> <tr> <td>Average utilization</td><td>80 %</td></tr> <tr> <td>Auto scaling</td><td>Yes</td></tr> <tr> <td>Peak Load % per month</td><td>70 %</td></tr> <tr> <td>Auto scaled instances</td><td>19</td></tr> <tr> <td>Total App Service cost per month</td><td>\$4,109.60</td></tr> <tr> <td>Total App Service cost over three year(s)</td><td>\$147,945.60</td></tr> </table>	P2v2 Premiumv2 App Service (2 core, 7 GB RAM)	\$0.40 /hr		SKU# AAA-48518	Full time App Service instances	1	Average utilization	80 %	Auto scaling	Yes	Peak Load % per month	70 %	Auto scaled instances	19	Total App Service cost per month	\$4,109.60	Total App Service cost over three year(s)	\$147,945.60
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Electricity cost

Price of electricity per kWh	\$0.1334
Power rating of 1 core, 4 GB RAM server	160 Watts
Total electricity cost consumed by 20 server(s) - 1 core, 4 GB RAM server per month	\$311.60
Power rating of 1 core, 4 GB RAM server	160 Watts
Total electricity cost consumed by 1 server(s) - 1 core, 4 GB RAM server per month	\$15.58
Total electricity cost over three year(s)	\$11,778.48

MySQL Database cost

Total number of license(s) required	1
MySQL Community Edition License cost per instance	\$0.00
Total license cost	\$0.00
Total MySQL Database licensing cost over three year(s)	\$0.00

Total cost over three year(s) \$286,588.68

Total Azure compute cost over three year(s) \$152,550.00

Data center cost

Azure data center cost

Compute cost

Total Azure data center cost over three year(s)

= Chat with Sales \$0.00

Number of rack units per rack	42
Rack units required per 1 core, 4 GB RAM server	1
Number of 1 core, 4 GB RAM server	20
Total number of rack units required	20
Rack units required per 1 core, 4 GB RAM server	1
Number of 1 core, 4 GB RAM server	1
Total number of rack units required	1
Total number of rack units required for all server(s)	21
Data center construction cost per rack unit amortized over 20 years	\$302.27
Data center compute cost	\$6,347.67
Total Data center compute cost over three year(s)	\$19,043.01

Storage cost


Total number of rack units required for all storage	20
Number of rack units for DAS or SAN	20
Rack mounting/installation cost	\$6,045.40
Total Data center storage cost over three year(s)	\$18,136.20

Total Data center cost over three year(s)	\$37,179.21
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Total Azure data center cost over three year(s)	\$0.00
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Networking cost

Azure networking cost

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Total hardware + software cost over three year(s) \$274,810.20

Network hardware and software cost assumed to be 15% of hardware and software cost over three year(s) \$41,221.53

Network maintenance cost assumed to be 15% of network hardware and software cost over three year(s) \$6,183.23

Service provider cost/GB per month \$0.15

Amount of bandwidth needed (GB) per month 100

Total service provider cost per month \$15.00

Total networking cost over three year(s) \$47,944.76

Total outgoing bandwidth needed per month 100 GB

Total outgoing bandwidth cost per month \$1.00

Total Azure networking cost over three year(s) \$36.00

Storage cost

Azure storage cost

Hardware

Local Disk/SAN-HDD
Cost per GB \$0.20
Storage (RAID 10 configuration) volume in GB 20,512

Total storage procurement cost \$4,102.40

Backup

Total backup and archive volume in GB 15,360
HP LTO-7 BB873A
Backup volume per tape in TB 6

Page Blob storage

Usable storage volume in GB 10,240
Storage cost per GB/month \$0.045

Annual storage cost per usable volume \$5,529.60

Total Page Blob LRS storage maintenance cost over three year(s) \$16,588.80

Backup

Total backup and archive volume in GB 15,360

Storage cost per GB

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\$0.0224

Number of Tape drives required	3
Cost per Tape Drive	\$160.00

SKU# AAA-70203

Backup and Archive cost over three year(s)	\$480.00
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Backup and Archive maintenance cost over three year(s)	\$12,386.30
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Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over three year(s)	\$1,230.72
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Total storage maintenance cost over three year(s)	\$1,230.72
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Total storage cost over three year(s)	\$5,813.12
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Total Azure storage cost over three year(s)	\$28,975.10
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IT labor cost

Azure IT labor cost


Number of IT admin hour(s) needed per year	40
Hourly rate for IT administrator	\$23.00

Number of IT admin hour(s) needed per year	0
Hourly rate for IT administrator	\$23.00

Total IT labor cost over three year(s)	\$2,760.00
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Total Azure IT labor cost over three year(s)	\$0.00
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Total on-premises cost over three year(s)	\$380,286.00
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Total Azure cost over three year(s)	\$181,561.00
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A total **savings** of **\$198,725.00** with **Microsoft Azure**