

# Calculadora del costo total de propiedad (TCO)

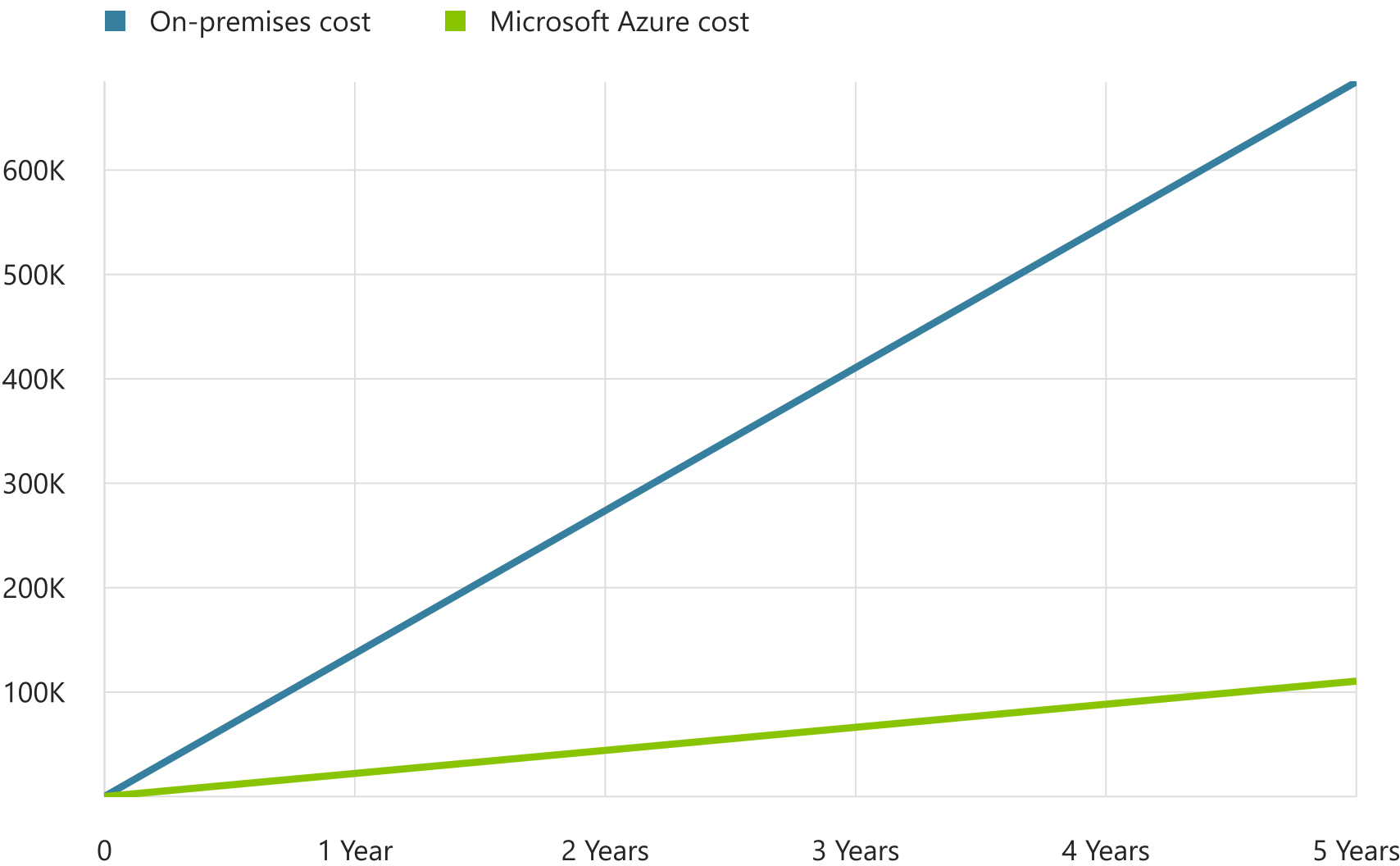
Calcule los ahorros de costos que puede realizar migrando sus cargas de trabajo a Azure

 My saved reports


Over 5 year(s) with Microsoft Azure, your estimated cost savings could be as much  
as **USD 574,042**

## 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.



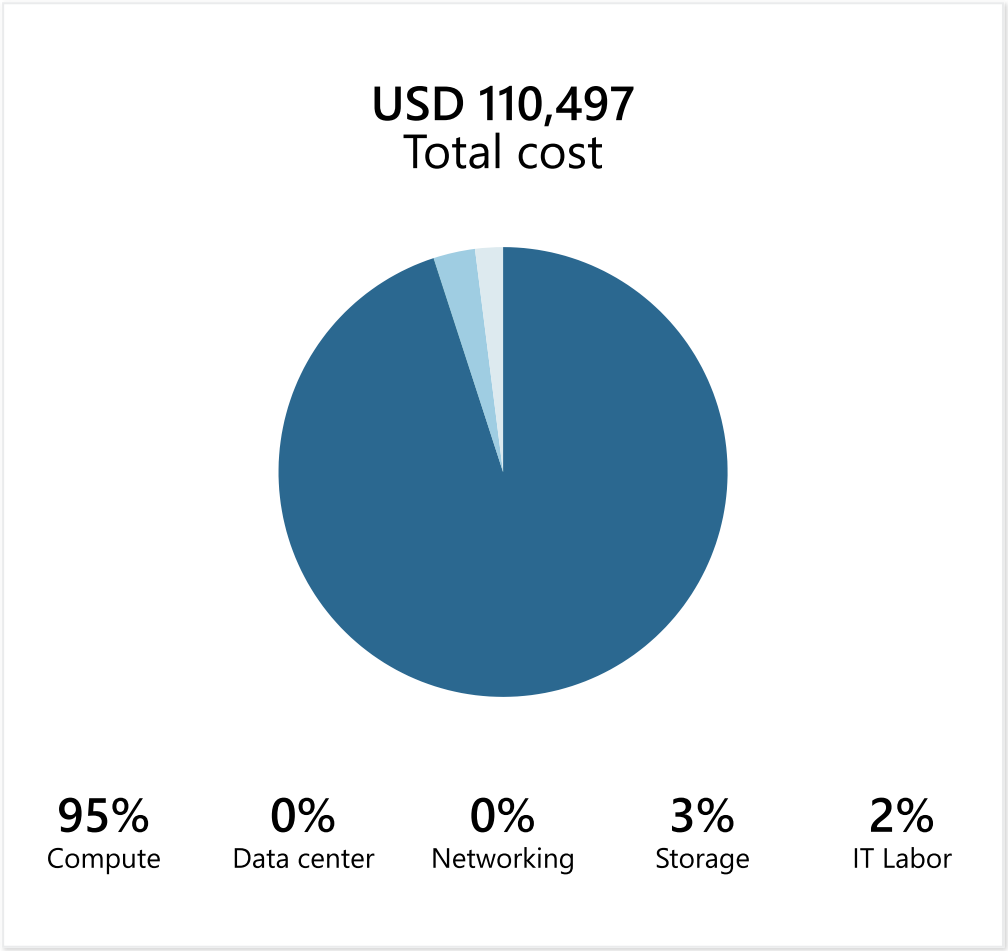
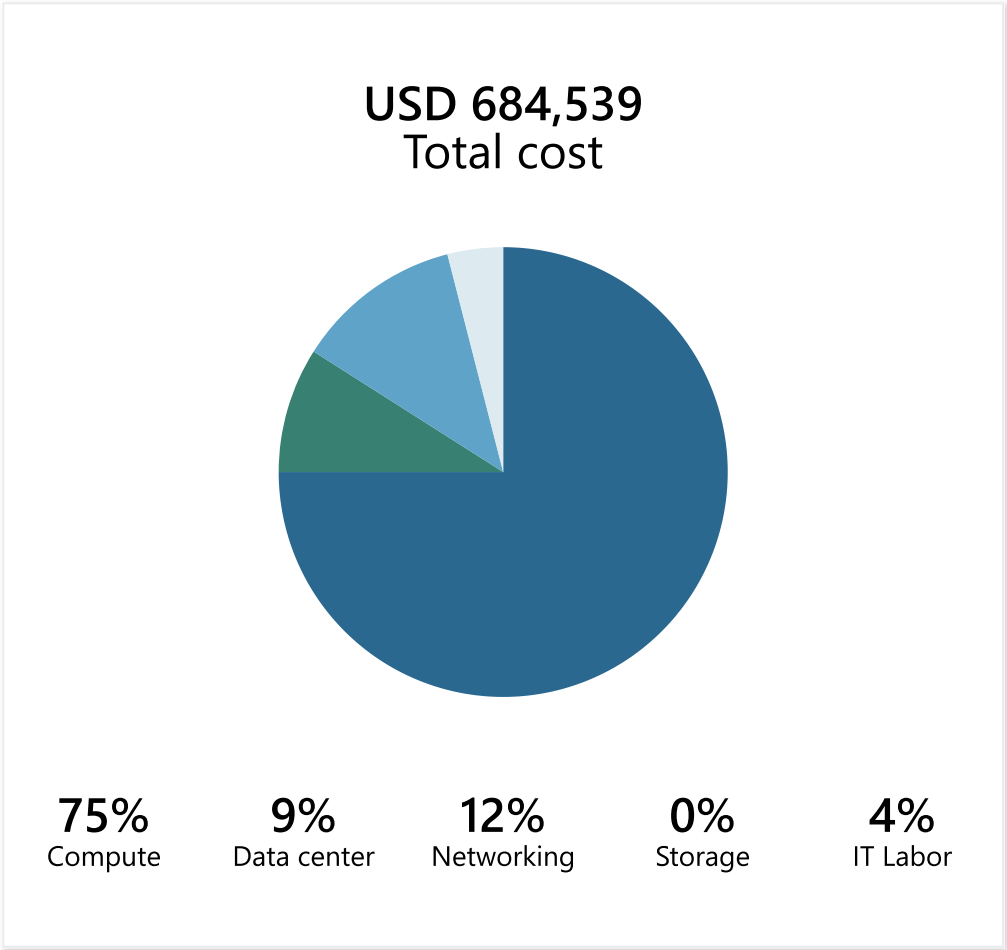
Total on-premises over 5 year(s)

 Chatee con el personal de ventas

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.

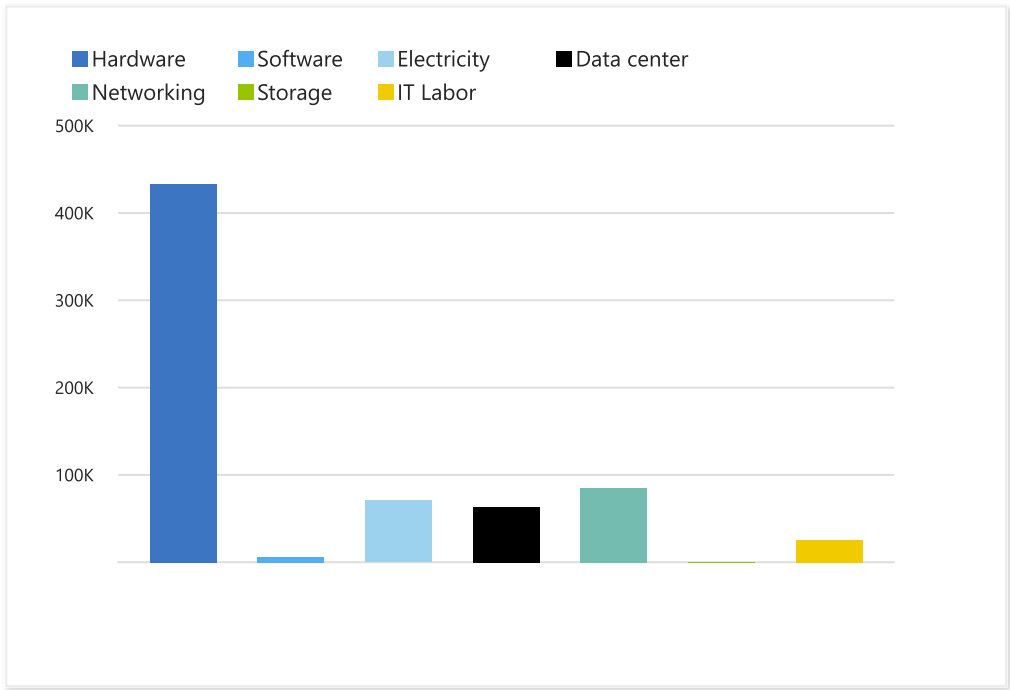


Total on-premises cost breakdown

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

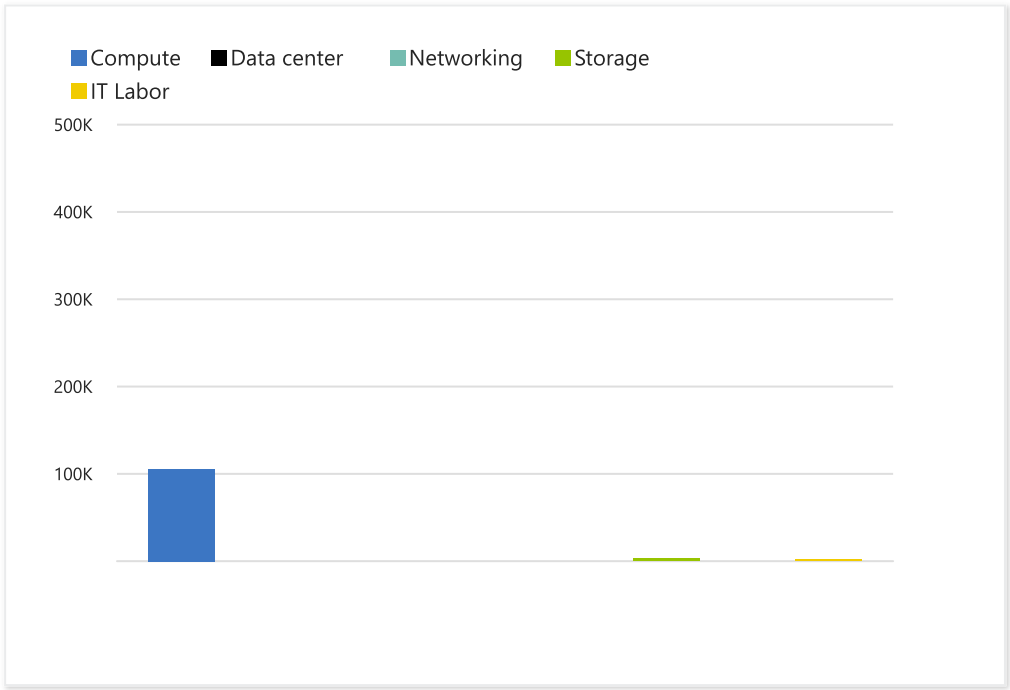
Total Azure cost breakdown

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



USD 684,539

Cost over 5 year(s)



USD 110,497

Cost over 5 year(s)

On-premises cost breakdown summary

Category	Cost
Compute	USD 510,390.80
Hardware	USD 433,506.00
Software	USD 6,155.00
Electricity	USD 70,729.80
Data Center	USD 63,476.70
Networking	USD 85,057.52
Storage	USD 313.60
IT Labor	USD 25,300.00

Azure cost breakdown summary

Category	Cost
Compute	USD 105,507.24
Data Center	USD 0.00
Networking	USD 0.60
Storage	USD 3,071.71
IT Labor	USD 1,917.05

Total	USD 684,539.00
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Total	USD 110,497.00
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Estimated on-premises cost (5 year(s))

**Estimated Azure cost (5 year(s))**

## Compute cost

## Azure compute cost

## Hardware cost

Cost per 1 proc 1 core, 0.75 GB RAM physical server for Windows	USD 1,173.00
Number of servers required	1
Cost per 4 proc 8 core, 112 GB RAM physical server for Linux	USD 21,558.00
Number of servers required	10
Total cost for physical server(s)	USD 216,753.00
Cost of maintaining physical server(s) - 20% of cost of physical server(s)	USD 43,350.60
Total cost of maintaining server(s) over five year(s)	USD 216,753.00

Total hardware cost over five year(s)	USD 433,506.00
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## Software cost

Cost of Windows datacenter license per 1 proc, 1 core, 0.75 GB RAM physical machine	USD 6,155.00
Number of licenses needed	1
Total software license cost	USD 6,155.00

Total software cost over five year(s)	USD 6,155.00
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## Electricity cost

Price of electricity per kWh	USD 0.1334
Power rating of 1 core, 0.75 GB RAM server	105 Watts

## Virtual Machines cost

Number of hours per month	730
B1S Standard (1 core, 1 GB RAM) Windows	SKU# AAA-68673
Number of virtual machines	1
Total virtual machine cost per month	USD 6.454

**Total Azure Virtual Machines cost** **USD 387.24**

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

**App Service cost**

B3 Basic App Service (4 core, 7 GB RAM)	USD 0.067 /hr
	SKU# AAD-20058
Full time App Service instances	10
Average utilization	80 %
Auto scaling	No
Total App Service cost per month	USD 1,752.00

Total App Service cost over five year(s)	USD 105,120.00
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- = Chatee con el personal de ventas

Total electricity cost consumed by 1 server(s) - 1 core, 0.75 GB RAM server per month	USD 10.23
Power rating of 8 core, 112 GB RAM server	1,200 Watts
Total electricity cost consumed by 10 server(s) - 8 core, 112 GB RAM server per month	USD 1,168.60
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Total electricity cost over five year(s)	USD 70,729.80
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Total cost over five year(s)	USD 510,390.80
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Total Azure compute cost over five year(s)	USD 105,507.24
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Data center cost

Azure data center cost

Compute cost

Number of rack units per rack	42
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
Rack units required per 8 core, 112 GB RAM server	4
Number of 8 core, 112 GB RAM server	10
Total number of rack units required	40
Total number of rack units required for all server(s)	41
Data center construction cost per rack unit amortized over 20 years	USD 302.27
Data center compute cost	USD 12,393.07
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Total Data center compute cost over five year(s)	USD 61,965.35

Total Azure data center cost over five year(s)	USD 0.00
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Storage cost

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

Total Data center cost over five year(s)	USD 63,476.70
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Total Azure data center cost over five year(s)	USD 0.00
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Networking cost

Azure networking cost

 Chatee con el personal de ventas

Total hardware + software cost over five year(s)	USD 439,661.00		
Network hardware and software cost assumed to be 15% of hardware and software cost over five year(s)	USD 65,949.15	Total outgoing bandwidth needed per month	1 TB
Network maintenance cost assumed to be 15% of network hardware and software cost over five year(s)	USD 9,892.37	Total outgoing bandwidth cost per month	USD 0.01
Service provider cost/GB per month	USD 0.15		
Amount of bandwidth needed (GB) per month	1,024		
Total service provider cost per month	USD 153.60		
<b>Total networking cost over five year(s)</b>		<b>USD 85,057.52</b>	

<b>Total Azure networking cost over five year(s)</b>		<b>USD 0.60</b>	
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Storage cost

Azure storage cost

Hardware

Blob	
Cost per GB	USD 0.20
Storage (RAID 10 configuration) volume in GB	512
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Total storage procurement cost	USD 102.40

Backup

Total backup and archive volume in GB	2,048
	HP LTO-7
	BB873A
Backup volume per tape in TB	6
Number of Tape drives required	1
Cost per Tape Drive	USD 160.00
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Backup and Archive cost over five year(s)	USD 160.00

Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over five year(s)	USD 51.20
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<b>Total storage maintenance cost over five year(s)</b>	<b>USD 51.20</b>

<b>Total storage cost over five year(s)</b>		<b>USD 313.60</b>	
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Block Blob storage Hot tier

Usable storage volume in GB	256
Average storage cost per GB/month	USD 0.02
% of data being accessed frequently	100
	SKU# N9H-01059
Annual storage cost per usable volume	USD 63.84

<b>Total Blob storage - Hot Tier - LRS maintenance cost over five year(s)</b>		<b>USD 319.20</b>	
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Backup

Total backup and archive volume in GB	2,048
Storage cost per GB	USD 0.0224
	SKU# AAA-70203

<b>Backup and Archive maintenance cost over five year(s)</b>		<b>USD 2,752.51</b>	
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<b>Total Azure storage cost over five year(s)</b>		<b>USD 3,071.71</b>	
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IT labor cost

Azure IT labor cost

Number of IT admin hour(s) needed per year 220  
Hourly rate for IT administrator USD 23.00

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

Total IT labor cost over five year(s) USD 25,300.00

Total Azure IT labor cost over five year(s) USD 1,917.05

Total on-premises cost over five year(s) USD 684,539.00

Total Azure cost over five year(s) USD 110,497.00

A total **savings** of **USD 574,042.00** with **Microsoft Azure**