Calculadora del costo total de propiedad (TCO)
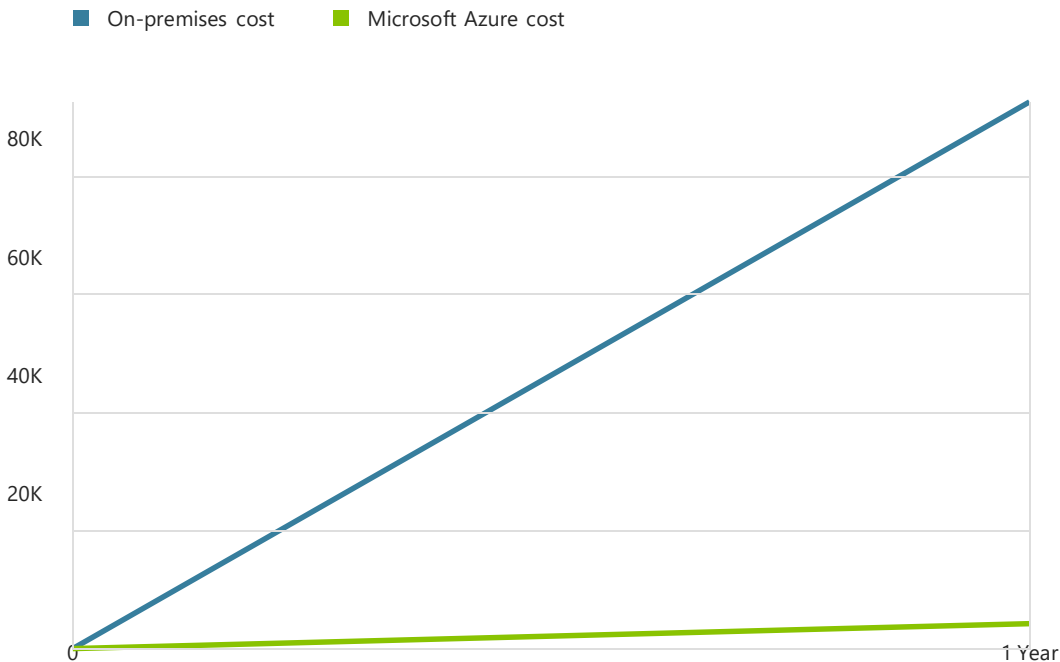
Calcule los ahorros de costos que puede realizar migrando sus cargas de trabajo a Azure

Over 1 year(s) with Microsoft Azure, your estimated cost savings could be as much as USD 88,345

Monthly the cost is **USD 7,369**

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.
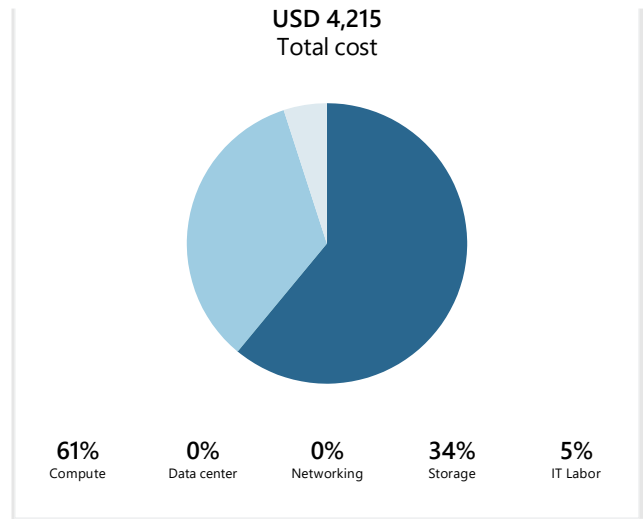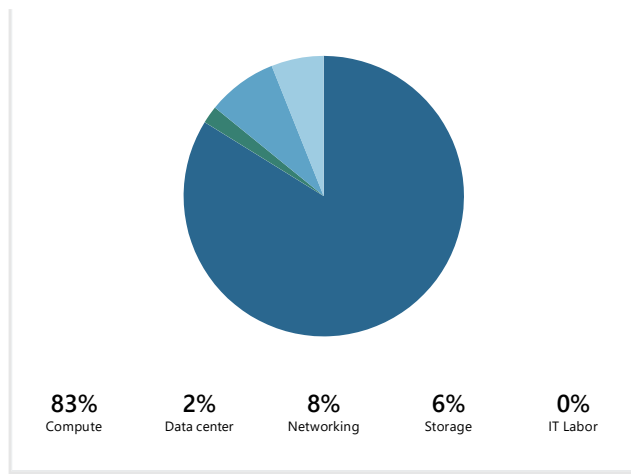
■ On-premises cost   ■ Microsoft Azure cost

Total on-premises over 1 year(s)

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

Total Azure cost over 1 year(s)

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

USD 92,560
Total cost

83%	2%	8%	6%	0%
Compute	Data center	Networking	Storage	IT Labor

USD 4,215
Total cost

61%	0%	0%	34%	5%
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.

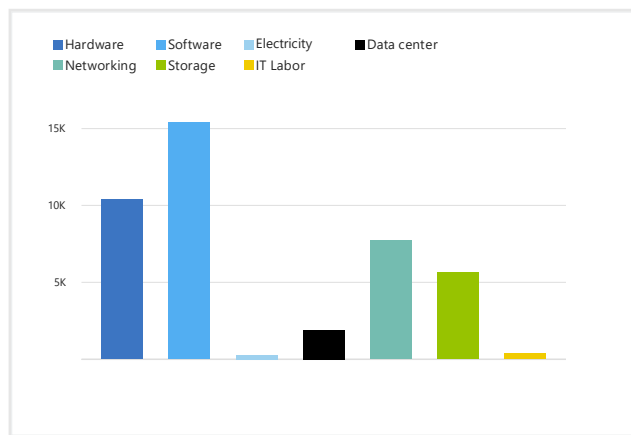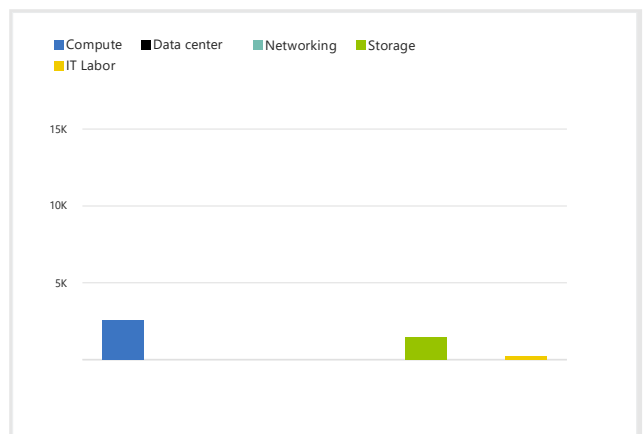**Total Azure cost breakdown**

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

■ Hardware ■ Software ■ Electricity ■ Data center
■ Networking ■ Storage ■ IT Labor

USD 92,560
Cost over 1 year(s)

■ Compute ■ Data center ■ Networking ■ Storage
■ IT Labor

USD 4,215
Cost over 1 year(s)

On-premises cost breakdown summary

Category	Cost
Compute	USD 76,896.62
Hardware	USD 10,396.80
Software	USD 15,387.50
Electricity	USD 280.32
Virtualization	USD 15,228.00
Database	USD 35,604.00
Data Center	USD 1,911.57
Networking	USD 7,737.70
Storage	USD 5,626.40
IT Labor	USD 387.50

Total	**USD 92,560.00**

Azure cost breakdown summary

Category	Cost
Compute	USD 2,587.56
Data Center	USD 0.00
Networking	USD 0.12
Storage	USD 1,433.28
IT Labor	USD 194.00

Total	**USD 4,215.00**

Estimated on-premises cost (1 year(s))

Compute cost

Hardware cost

Virtual machine density - Number of virtual cores that can be created per physical core	2
Cost per 2 proc 1 core, 4 GB RAM virtualization server for Windows	USD 4,332.00
Number of servers needed for 1 virtual machine(s) - 4 core, 4 GB RAM	1
Cost per 2 proc 1 core, 4 GB RAM virtualization server for Windows	USD 4,332.00
Number of servers needed for 1 virtual machine(s) - 4 core, 4 GB RAM	1
Total cost for virtualization server(s)	USD 8,664.00
Cost of maintaining virtualization server(s) - 20% of cost of virtualization server(s)	USD 1,732.80
Total cost of maintaining server(s) over one year(s)	USD 1,732.80

Estimated Azure cost (1 year(s))

Azure compute cost

Virtual Machines cost

Number of hours per month	730
B4MS Standard (4 core, 16 GB RAM) Windows (Azure Hybrid Benefit)	SKU# AAA-68679
Number of virtual machines	1
Total virtual machine cost per month	USD 71.13

Total Azure Virtual Machines cost	**USD 853.56**

NOTE: For Azure compute costs, one 1 year Reserved VM in use.

SQL Database cost

Total hardware cost over one year(s)	**USD 10,396.80**

Software cost

Cost of Windows datacenter license per 2 proc, 1 core, 4 GB RAM virtualization server	USD 6,155.00
Number of servers needed for 1 virtual machine(s) - 4 core, 4 GB RAM	1
Cost of Windows datacenter license per 2 proc, 1 core, 4 GB RAM virtualization server	USD 6,155.00
Number of servers needed for 1 virtual machine(s) - 4 core, 4 GB RAM	1
Total software license cost	USD 12,310.00
Total Software Assurance cost	USD 3,077.50
Total software cost over one year(s)	**USD 15,387.50**

Electricity cost

Price of electricity per kWh	USD 0.10
Power rating of 1 core, 4 GB RAM server	160 Watts
Total electricity cost for 1 server(s) - 1 core, 4 GB RAM server per month	USD 11.68
Power rating of 1 core, 4 GB RAM server	160 Watts
Total electricity cost for 1 server(s) - 1 core, 4 GB RAM server per month	USD 11.68
Total electricity cost over one year(s)	**USD 280.32**

Virtualization cost

Virtualization software license cost	USD 13,980.00
Per virtual machine, per month, cost to load balance, backup and patch virtual machines	USD 52.00
Number of virtual machines	2
Virtual machine management cost per month	USD 104.00
Virtual machine management cost per year	USD 1,248.00
Total virtualization cost over one year(s)	**USD 15,228.00**

SQL Database cost

Total CPU cores	4
SQL Server Enterprise License cost per 2 cores	USD 14,256.00
Enterprise cores	4
Total license cost	USD 28,512.00
Enterprise Software Assurance cost per 2 cores	USD 3,546.00
Enterprise cores	4
Total Software Assurance cost	USD 7,092.00
Total SQL Database cost over one year(s)	**USD 35,604.00**

NOTE: A minimum of four core licenses are required for each physical processor on the server or VM

Total cost over one year(s)	**USD 76,896.62**

Data center cost

Compute cost

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	1
Total number of rack units required	1
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)	2
Data center construction cost per rack unit amortized over 20 years	USD 637.19

General Purpose Single Gen5 2 vCores (Azure Hybrid Benefit)	USD 0.19794 /hr
	SKU# AAD-17850
Instance Count	1
Cost Per Month	USD 144.50
Total SQL Database cost over one year(s)	**USD 1,734.00**

Total Azure compute cost over one year(s)	**USD 2,587.56**

Azure data center cost

Total Azure data center cost over one year(s)	**USD 0.00**

Data center compute cost	USD 1,274.38
Total Data center compute cost over one year(s)	**USD 1,274.38**

Storage cost

Total number of rack units required for all storage	1
Number of rack units for DAS or SAN	1
Rack mounting/installation cost	USD 637.19
Total Data center storage cost over one year(s)	**USD 637.19**

Total Data center cost over one year(s)	**USD 1,911.57**

Total Azure data center cost over one year(s)	**USD 0.00**

Networking cost

Azure networking cost

Total hardware + software cost over one year(s)	USD 25,784.30
Network hardware and software cost assumed to be 25% of hardware and software cost over one year(s)	USD 6,446.08
Network maintenance cost assumed to be 20% of network hardware and software cost over one year(s)	USD 1,289.22
Service provider cost/GB per month	USD 0.20
Amount of bandwidth needed (GB) per month	1
Total service provider cost per month	USD 0.20
Total networking cost over one year(s)	**USD 7,737.70**

Total outgoing bandwidth needed per month	1 GB
Total outgoing bandwidth cost per month	USD 0.01

Total Azure networking cost over one year(s)	**USD 0.12**

Storage cost

Azure storage cost

Hardware

Local Disk/SAN-SSD	
Cost per GB	USD 1.00
Storage (RAID 10 configuration) volume in GB	1,024
Total storage procurement cost	**USD 1,024.00**

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 4,500.00
Backup and Archive cost over one year(s)	**USD 4,500.00**

Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over one year(s)	USD 102.40
Total storage maintenance cost over one year(s)	**USD 102.40**

Premium storage

Usable storage volume in GB	512
Premium Azure disk match	P20
Total IOPS	2,300
Number of premium disks	1
Disk price per month	USD 73.22
Total LRS premium disk maintenance cost over one year(s)	**USD 878.64**

Backup

Total backup and archive volume in GB	2,048
Storage cost per GB	USD 0.0224
	SKU# AAA-70203
Backup and Archive maintenance cost over one year(s)	**USD 550.50**

SQL Database Server storage

Usable storage volume in GB	3
Price per GB/Month	USD 0.038
Active DB Storage Cost/Month	USD 0.115
Annual storage cost per usable volume	USD 4.14

Total SQL Database Server Storage cost over one year(s)	**USD 4.14**

SQL Database Backup storage

Billable backup storage volume in GB	0
Price per GB/Month	USD 0.00
Backup Storage Cost/Month	USD 0.20
Annual storage cost per usable volume	USD 0.00

Total SQL Database Backup Storage Cost over one year(s)	**USD 0.00**

Total storage cost over one year(s)	**USD 5,626.40**

Total Azure storage cost over one year(s)	**USD 1,433.28**

IT labor cost

Azure IT labor cost

Number of IT admin hour(s) needed per year	7.75
Hourly rate for IT administrator	USD 50.00

Number of IT admin hour(s) needed per year	3.88
Hourly rate for IT administrator	USD 50.00

Total IT labor cost over one year(s)	**USD 387.50**

Total Azure IT labor cost over one year(s)	**USD 194.00**

Total on-premises cost over one year(s)	**USD 92,560.00**

Total Azure cost over one year(s)	**USD 4,215.00**

A total **savings** of **USD 88,345.00** with **Microsoft Azure**