Total Cost of Ownership (TCO) Calculator

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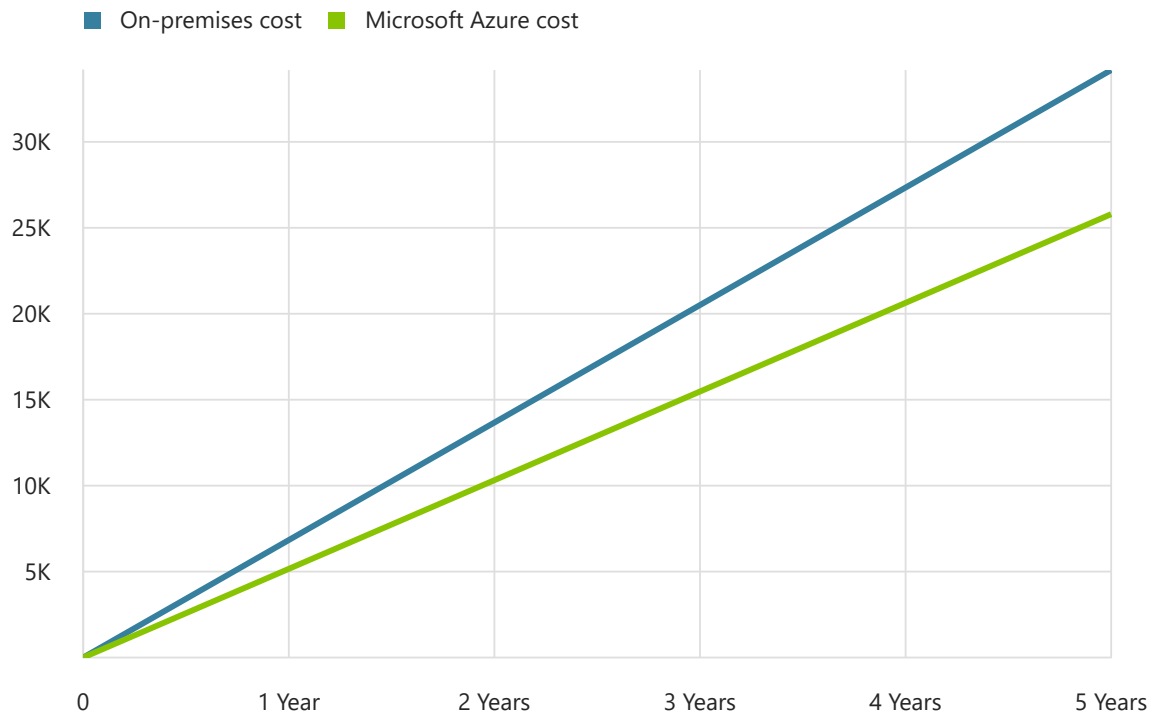
My saved reports

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Over 5 year(s) with Microsoft Azure, your estimated cost savings could be as much as €8,385

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.

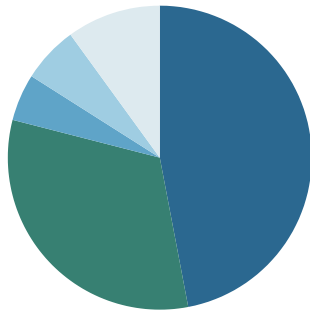Legend: On-premises cost, Microsoft Azure cost

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.

€34,178
Total cost

€25,793
Total cost

47%	32%	5%	6%	10%
Compute	Data center	Networking	Storage	IT Labor
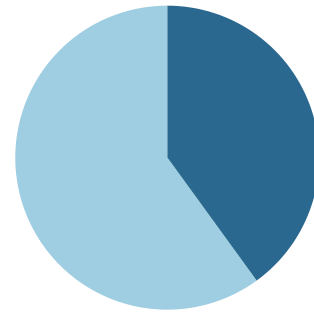
40%	0%	0%	60%	0%
Compute	Data center	Networking	Storage	IT Labor

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

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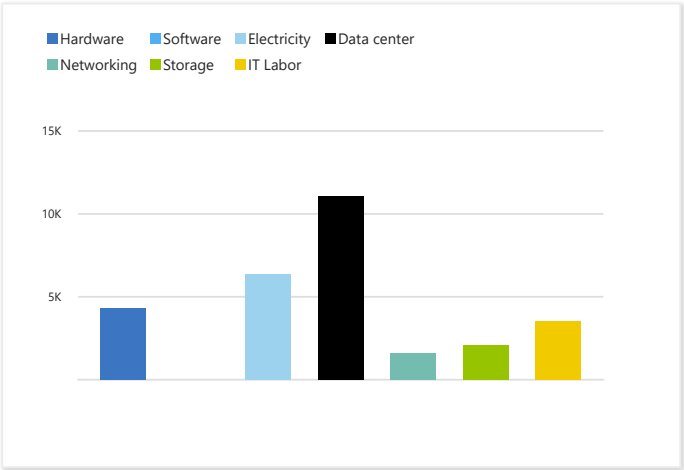
€34,178
Cost over 5 year(s)
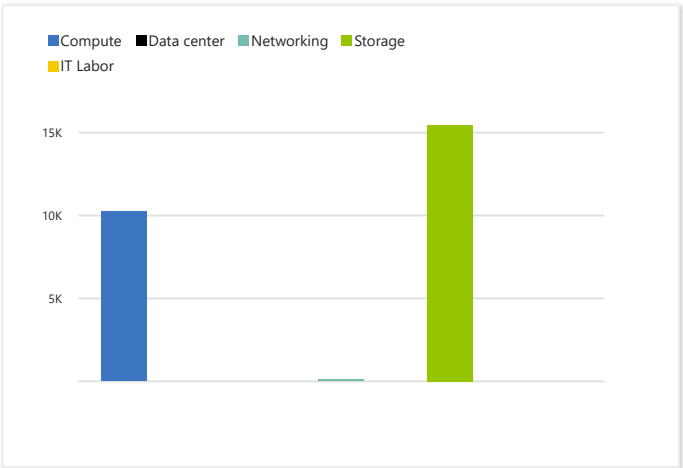
€25,793
Cost over 5 year(s)

On-premises cost breakdown summary

Azure cost breakdown summary

Category	Cost
Compute	€15,926.58
Hardware	€4,298.58
Software	€0.00
Electricity	€6,388.67
Virtualization	€5,239.30

Category	Cost
Compute	€10,245.87
Data Center	€0.00

Data Center	€11,077.10	Networking	€105.57
Networking	€1,574.95	Storage	€15,441.92
Storage	€2,088.48	IT Labor	€0.00
IT Labor	€3,510.95		

Total	**€34,177.90**

Total	**€25,793.40**

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

Estimated Azure cost (5 year(s))

Compute cost

Azure compute cost

Hardware cost

Virtual machine density - Number of virtual cores that can be created per physical core	3

App Service cost

Cost per 1 proc 1 core, 0.75 GB RAM virtualization server for Linux	€1,074.65

B1 Basic App Service (1 core, 1.75 GB RAM)	€0.017 /hr
	SKU# AAD-20342

Number of servers needed for 1 virtual machine(s) - 1 core, 4 GB RAM	1
Cost per 1 proc 1 core, 0.75 GB RAM virtualization server for Linux	€1,074.65
Number of servers needed for 1 virtual machine(s) - 2 core, 8 GB RAM	1
Total cost for virtualization server(s)	€2,149.30
Cost of maintaining virtualization server(s) - 20% of cost of virtualization server(s)	€429.86
Total cost of maintaining server(s) over five year(s)	€2,149.30

Total hardware cost over five year(s)	**€4,298.58**

Software cost

Total software license cost	€0.00

Total software cost over five year(s)	**€0.00**

Electricity cost

Price of electricity per kWh	€0.69
Power rating of 1 core, 0.75 GB RAM server	105 Watts
Total electricity cost for 1 server(s) - 1 core, 0.75 GB RAM server per month	€53.24
Power rating of 1 core, 0.75 GB RAM server	105 Watts
Total electricity cost for 1 server(s) - 1 core, 0.75 GB RAM server per month	€53.24

Total electricity cost over five year(s)	**€6,388.70**

Virtualization cost

Virtualization software license cost	€2,323.40
Per virtual machine, per month, cost to load balance, backup and patch virtual machines	€24.30
Number of virtual machines	2
Virtual machine management cost per month	€48.60

Full time App Service instances	1
Average utilization	80 %
Auto scaling	No
Total App Service cost per month	€40.56

Total App Service cost over five year(s)	**€2,433.67**

Azure Database for PostgreSQL cost

Azure Database for PostgreSql - GeneralPurpose G5, 2 vCore(s)	€0.178358 /hr
	SKU# AAA-90501
Instance Count	1
Cost Per Month	€130.20

Total Azure Database for PostgreSQL cost over five year(s)	**€7,812.20**

Virtual machine management cost per year	€583.19
Total virtualization cost over five year(s)	**€5,239.30**

Total cost over five year(s)	**€15,926.58**

Total Azure compute cost over five year(s)	**€10,245.87**

Data center cost

Azure data center cost

Compute cost

Number of rack units per rack	42

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

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	€0.93
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	€0.93
Total number of rack units required for all server(s)	€1.85
Data center construction cost per rack unit amortized over 20 years	€276.93
Data center compute cost	€553.85

Total Data center compute cost over five year(s)	**€2,769.30**

Storage cost

Total number of rack units required for all storage	6
Number of rack units for Blob	6
Rack mounting/installation cost	€1,661.56

Total Data center storage cost over five year(s)	€8,307.80

Total Data center cost over five year(s)	€11,077.10

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

Networking cost

Azure networking cost

Total hardware + software cost over five year(s)	€4,298.58
Network hardware and software cost assumed to be 15% of hardware and software cost over five year(s)	€644.78
Network maintenance cost assumed to be 15% of network hardware and software cost over five year(s)	€96.72
Service provider cost/GB per month	€0.14
Amount of bandwidth needed (GB) per month	100
Total service provider cost per month	€13.89

Total outgoing bandwidth needed per month	100 GB
Total outgoing bandwidth cost per month	€1.76

Total networking cost over five year(s)	€1,574.95

Total Azure networking cost over five year(s)	€105.57

Storage cost

Azure storage cost

Hardware

Local Disk/SAN-HDD	
Cost per GB	€0.19
Storage (RAID 10 configuration) volume in GB	32
Blob	

Block Blob storage Hot tier

Usable storage volume in GB	1,342
Average storage cost per GB/month	€0.02

Cost per GB	€0.19	% of data being accessed frequently	50
Storage (RAID 10 configuration) volume in GB	5,370		SKU# N9H-01051

Blob

Cost per GB	€0.19	Annual storage cost per usable volume	€328.05
Storage (RAID 10 configuration) volume in GB	250		

Total storage procurement cost	**€1,099.15**

Total Blob storage - Hot Tier - LRS maintenance cost over five year(s)	**€1,640.20**

Backup

Block Blob storage Cool tier

Total backup and archive volume in GB	10,490	Usable storage volume in GB	1,342
	HP LTO-7 BB873A	Average storage cost per GB/month	€0.01
Backup volume per tape in TB	6	% of data being accessed infrequently	50
Number of Tape drives required	3		SKU# N9H-01031
Cost per Tape Drive	€146.59		
		Annual storage cost per usable volume	€149.13

Backup and Archive cost over five year(s)	**€439.76**

Total Blob storage - Cool Tier - LRS maintenance cost over five year(s)	**€745.70**

Storage Maintenance

Backup

Storage maintenance cost (10% of storage procurement cost) over five year(s)	€549.57

Total backup and archive volume in GB	10,490		
Storage cost per GB	€0.0207		
	SKU# AAL-31836		

Total storage maintenance cost over five year(s)	**€549.57**

Backup and Archive maintenance cost over five year(s)	**€13,056.04**

Total storage cost over five year(s)	**€2,088.48**

Total Azure storage cost over five year(s)	**€15,441.92**

IT labor cost

Azure IT labor cost

Number of IT admin hour(s) needed per year	33.33

Hourly rate for IT administrator   €21.07

Number of IT admin hour(s) needed per year	0
Hourly rate for IT administrator	€21.07

Total IT labor cost over five year(s)	**€3,511.00**

Total Azure IT labor cost over five year(s)	**€0.00**

Total on-premises cost over five year(s)	**€34,177.90**

Total Azure cost over five year(s)	**€25,793.40**

A total **savings** of   **€8,384.50**   with **Microsoft Azure**