


Total Cost of Ownership (TCO) Calculator

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


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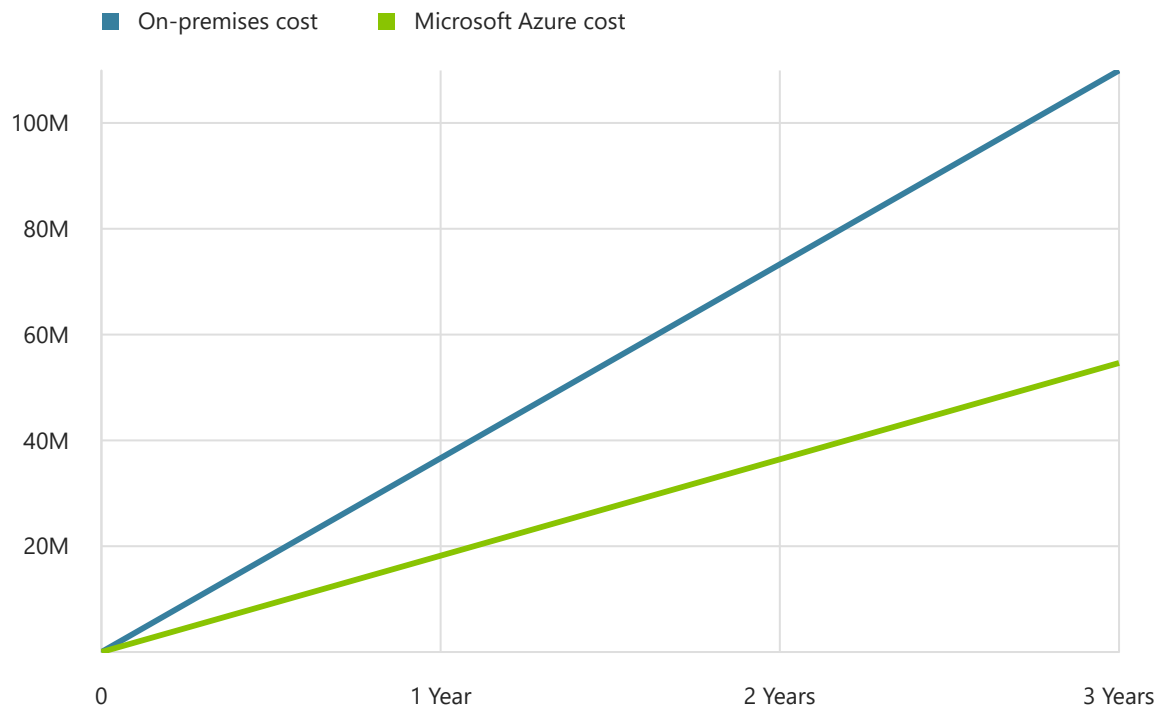
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Over 3 year(s) with Microsoft Azure, your estimated cost savings
could be as much as **₹55,289,731**

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.

 Chat with Sales



Total on-premises over 3 year(s)

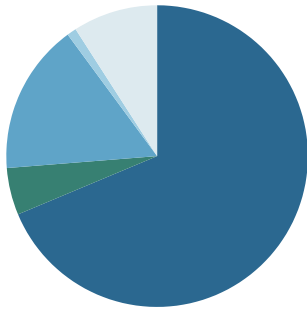
TCO of on-premises environments tends to be driven by compute and data centre costs.

₹109,922,961
Total cost

Total Azure cost over 3 year(s)

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

₹54,633,229
Total cost



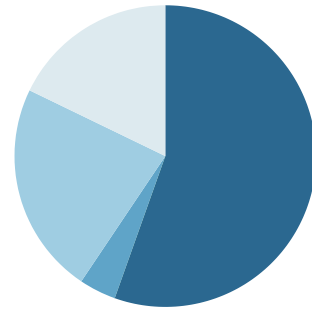
68%
Compute

5%
Data
centre

16%
Networking

1%
Storage

9%
IT labour



56%
Compute

0%
Data
centre

4%
Networking

23%
Storage

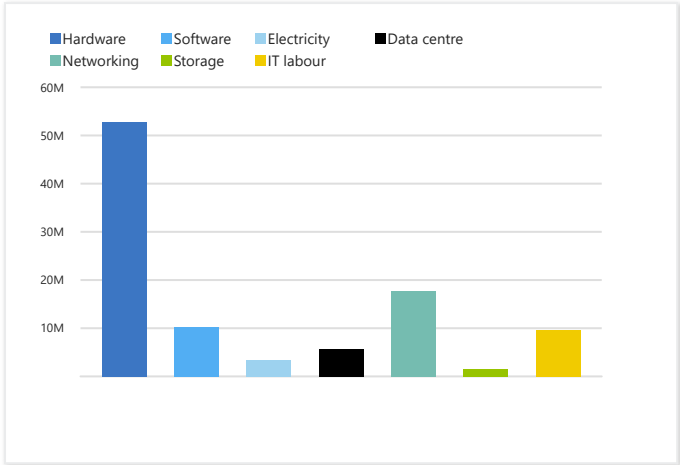
18%
IT labour

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.

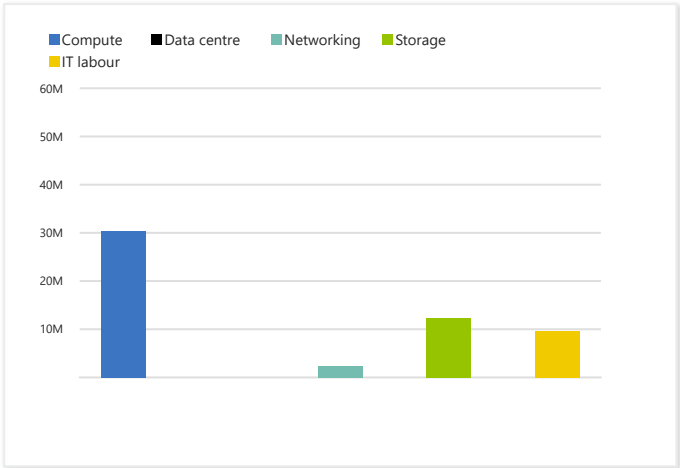
Total Azure cost breakdown

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



₹109,922,961

Cost over 3 year(s)



₹54,633,229

Cost over 3 year(s)

On-premises cost breakdown summary

Azure cost breakdown summary

Category	Cost
Compute	₹75,214,269.03

Category	Cost
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Hardware	₹52,719,854.52	Compute	₹30,341,669.62
Software	₹10,265,080.10		
Electricity	₹3,422,470.77	Data centre	₹0.00
Virtualisation	₹8,806,863.59	Networking	₹2,302,086.85
Data centre	₹5,746,876.34	Storage	₹12,398,471.40
Networking	₹17,773,409.84	IT labour	₹9,591,006.589
Storage	₹1,597,376.20		
IT labour	₹9,591,006.56		

Total	₹109,922,960.51	Total	₹54,633,229.44
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Estimated on-premises cost (3 year(s))

Estimated Azure cost (3 year(s))

Compute cost

Azure compute cost

Hardware cost

Virtual machine density - Number of virtual cores that can be created per physical core	3
Cost per 4 proc 32 core, 2000 GB RAM virtualisation server for Windows	₹8,237,477.11
Number of servers needed for 50 virtual machine(s) - 8 core, 16 GB RAM	2
Cost per 4 proc 32 core, 2000 GB RAM virtualisation server for Linux	₹8,237,477.11
Number of servers needed for 50 virtual machine(s) - 8 core, 16 GB RAM	2
Total cost for virtualisation server(s)	₹32,949,908.45
Cost of maintaining virtualisation server(s) — 20% of cost of virtualisation server(s)	₹6,589,982.02
Total cost of maintaining server(s) over three year(s)	₹19,769,946.07
Total hardware cost over three year(s)	₹52,719,854.50

Software cost

Cost of Windows datacenter licence per 4 proc, 32 core, 2000 GB RAM virtualisation server	₹4,106,032.06
Number of servers needed for 50 virtual machine(s) - 8 core, 16 GB RAM	2
Total software licence cost	₹8,212,064.12
Total Software Assurance cost	₹2,053,016.03

Virtual Machines cost

Number of hours per month	730
F8sv2 Standard (8 core, 16 GB RAM) Windows (Azure Hybrid Benefit)	SKU# AAD-10155
Number of virtual machines	50
Total virtual machine cost per month	₹421,412.08
F8sv2 Standard (8 core, 16 GB RAM) Linux	SKU# AAD-10188
Number of virtual machines	50
Total virtual machine cost per month	₹421,412.08
Total Azure Virtual Machines cost	₹30,341,669.62

NOTE: For Azure compute costs, one 3 year
Reserved VM in use.

Total software cost over three year(s)	₹10,265,080.10
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Electricity cost

Price of electricity per kWh	₹10.83
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Power rating of 32 core, 2000 GB RAM server	3,006.9 Watts
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Total electricity cost for 2 server(s) - 32 core, 2000 GB RAM server per month	₹47,534.32
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Power rating of 32 core, 2000 GB RAM server	3,006.9 Watts
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Total electricity cost for 2 server(s) - 32 core, 2000 GB RAM server per month	₹47,534.32
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Total electricity cost over three year(s)	₹3,422,470.80
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Virtualisation cost

Virtualisation software licence cost	₹845,885.94
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Per virtual machine, per month, cost to load balance, back up and patch virtual machines	₹2,211.38
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Number of virtual machines	100
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Virtual machine management cost per month	₹221,138.27
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Virtual machine management cost per year	₹2,653,659.22
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Total virtualisation cost over three year(s)	₹8,806,863.59
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Total cost over three year(s)	₹75,214,269.03
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Total Azure compute cost over three year(s)	₹30,341,669.62
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Data centre cost

Azure data centre cost

Compute cost

Number of rack units per rack	42
Rack units required per 32 core, 2000 GB RAM server	4
Number of 32 core, 2000 GB RAM server	2
Total number of rack units required	₹666.33
Rack units required per 32 core, 2000 GB RAM server	4
Number of 32 core, 2000 GB RAM server	2
Total number of rack units required	₹666.33
Total number of rack units required for all server(s)	₹1,332.66
Data centre construction cost per rack unit amortised over 20 years	₹25,205.60
Data centre compute cost	₹403,289.57
Total data centre compute cost over three year(s)	₹1,209,868.70

Storage cost

Total number of rack units required for all storage	60
Number of rack units for DAS or SAN	60
Rack mounting/installation cost	₹1,512,335.88
Total data centre storage cost over three year(s)	₹4,537,007.60

Total Azure data centre cost over three year(s) ₹0.00

Total data centre cost over three year(s) ₹5,746,876.34

Total Azure data centre cost over three year(s)	₹0.00
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Networking cost

Azure networking cost

Total hardware + software cost over three year(s)	₹62,984,934.70
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Network hardware and software cost assumed to be 15% of hardware and software cost over three year(s)	₹9,447,739.78
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Network maintenance cost assumed to be 15% of network hardware and software cost over three year(s)	₹1,417,160.63
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Service provider cost/GB per month	₹12.49
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Amount of bandwidth needed (GB) per month	15,360
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Total service provider cost per month	₹191,903.04
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Total outgoing bandwidth needed per month	15 TB
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Total outgoing bandwidth cost per month	₹63,946.86
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Total networking cost over three year(s)	₹17,773,409.84
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Total Azure networking cost over three year(s)	₹2,302,086.85
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Storage cost

Azure storage cost

Hardware

Local Disk/SAN-HDD	
Cost per GB	₹16.66
Storage (RAID 10 configuration) volume in GB	61,440

Page Blob storage

Usable storage volume in GB	30,720
Storage cost per GB/month	₹3.748

Annual storage cost per usable volume	₹1,381,701.88
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Total storage procurement cost	₹1,023,482.88
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Back up

Total back up and archive volume in GB	122,880
	HP LTO-7 BB873A
Back up volume per tape in TB	6
Number of Tape drives required	20
Cost per Tape Drive	₹13,342.43

Back up and archive cost over three year(s)	₹266,848.50
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Storage Maintenance

Storage maintenance cost (10% of storage procurement cost) over three year(s)	₹307,044.90
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Total storage maintenance cost over three year(s)	₹307,044.90
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Total storage cost over three year(s)	₹1,597,376.20
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IT labour cost

Number of IT admin hour(s) needed per year	1,666.67
Hourly rate for IT administrator	₹1,918.20

Total Page Blob LRS storage maintenance cost over three year(s)	₹4,145,105.70
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Back up

Total back up and archive volume in GB	122,880
Storage cost per GB	₹1.8657
	SKU# AAL-31836

Back up and archive maintenance cost over three year(s)	₹8,253,365.75
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Total Azure storage cost over three year(s)	₹12,398,471.40
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Azure IT labour cost

Number of IT admin hour(s) needed per year	1,666.67
Hourly rate for IT administrator	₹1,918.20

year(s)	₹9,591,006.58	Total Azure IT labour cost over three year(s)	₹9,591,006.5890
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Total on-premises cost over three year(s)	₹109,922,960.51	Total Azure cost over three year(s)	₹54,633,229.44
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A total **savings** of
₹55,289,731.07
with **Microsoft Azure**