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# Hybrid Cloud Assessment

Powered by VMware vRealize Business for Cloud

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Feb 22, 2017



VMware Hybrid Cloud Assessment report provides the operational and expenditure details of your infrastructure on private cloud environment and enables you to compare your infrastructure cost on private and public cloud environments. Using this report, you can make better decisions for infrastructure planning across private and public clouds.

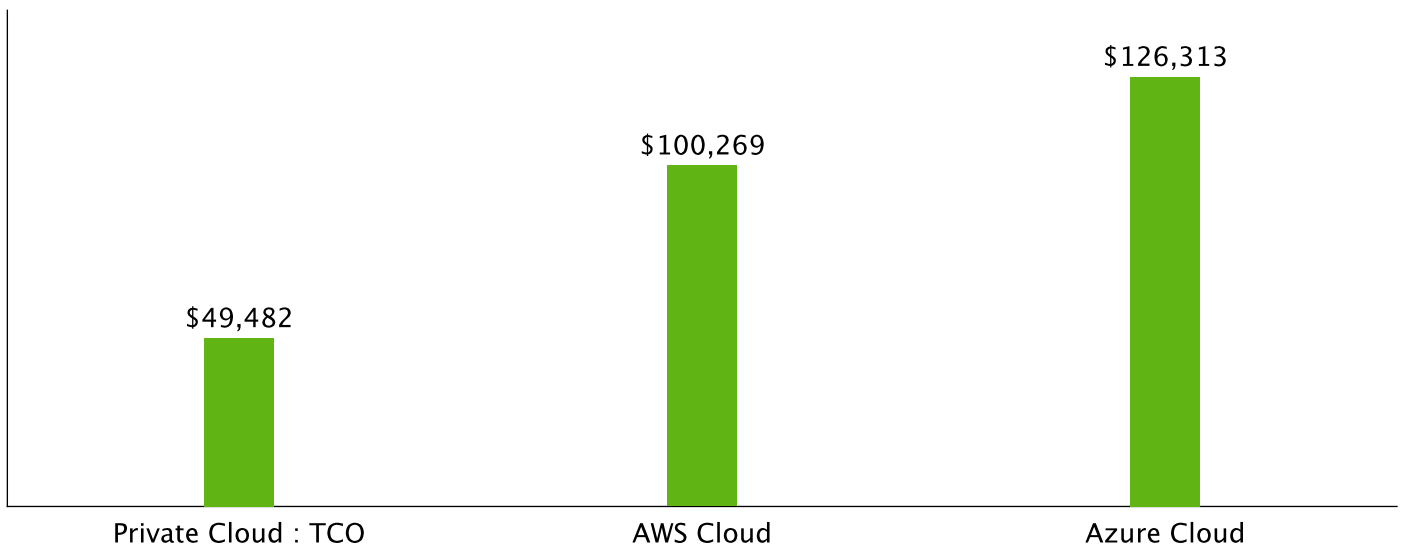
The salient highlights in this report are:

- Understand the cost of your private cloud infrastructure

The report provides actual cost information of your private cloud infrastructure, using an efficient cost analysis engine. As per the current analysis, your private cloud infrastructure has 606 VMs, which costs 49,482(US Dollar) per month. The average VM cost on private cloud is 81.65(US Dollar).

- Compare VM cost across cloud environments

The report enables you to compare the cost of VMs in the private cloud and the public cloud environment such as Amazon Web Services (AWS) and Microsoft Azure. As per the analysis, the estimated monthly expense (Total Cost of Ownership including sunk cost of infrastructure) on private cloud is 49,482 (US Dollar). The infrastructure utilization is 33.61% and corresponding utilization cost will be 16,629 (US Dollar). If the infrastructure is moved to the public cloud environment, the monthly expense will be 100,269 (US Dollar) and 126,313 (US Dollar) for AWS and Azure respectively.



- Explore cost savings opportunity

The report identifies the reclamation opportunities with cost savings for your infrastructure on private cloud environment.

Note: This information is available only if your vCenter servers are monitored by vRealize Operations Manager.

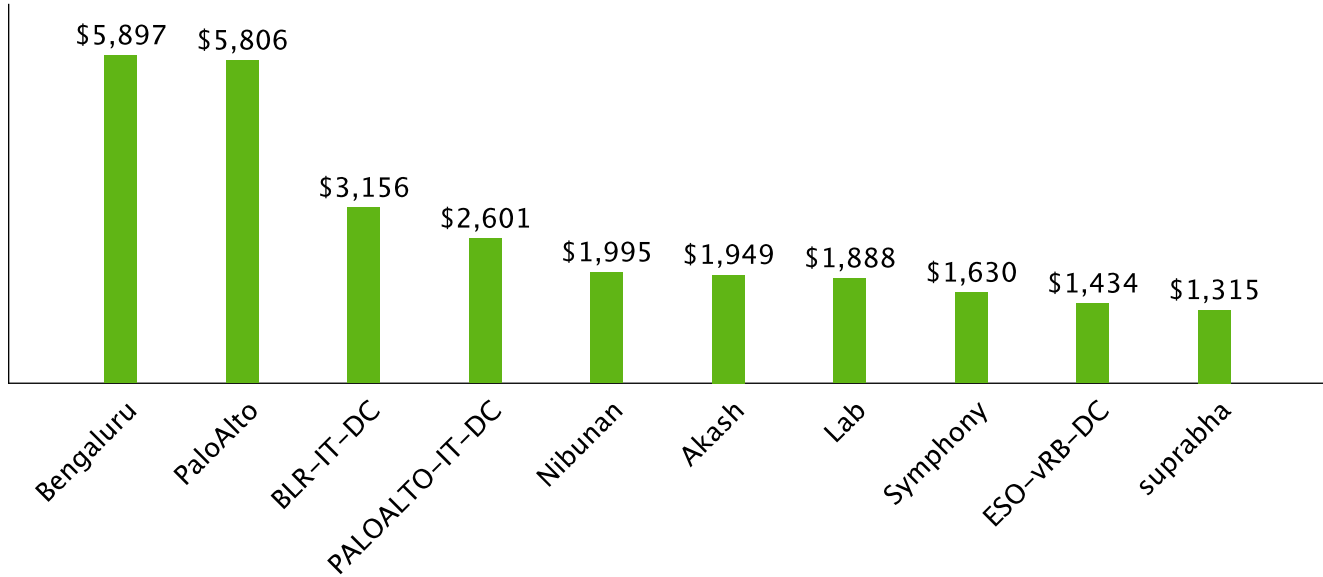
# Private Cloud Expenses



Total Infrastructure Cost(US Dollar)

49,482

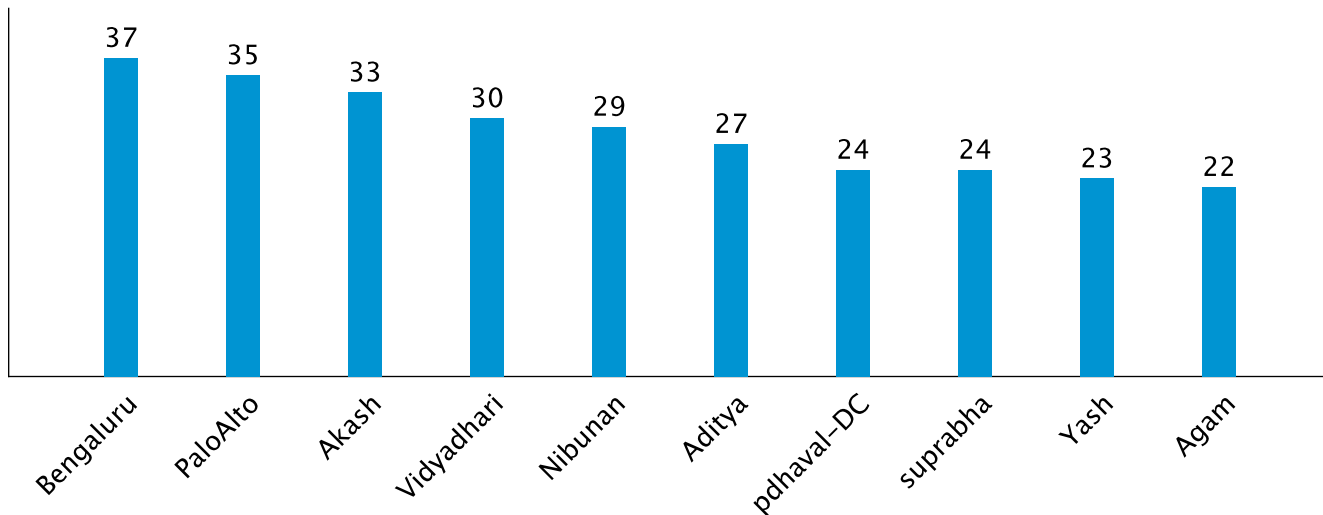
Top Datacenters based on monthly expense



Total Number of virtual machines

606 VMs

Top Datacenters based on number of virtual machine





## All datacenters and their corresponding expense details(US Dollar)

DC Name	VM Count ▼	Average VM Profile			Average Cost per VM	End of the month cost
		vCPU	Memory	Storage		
Bengaluru	37	1	1.44 GB	20.24 GB	13.67	5,897
PaloAlto	35	1	1.29 GB	21.34 GB	14.63	5,806
Akash	33	4	10.45 GB	56.76 GB	40.42	1,949
Vidyadhari	30	2	5.57 GB	61.6 GB	20.55	735
Nibunan	29	3	6.76 GB	36.55 GB	26.59	1,995
Aditya	27	3	8.52 GB	47 GB	32.81	1,229
pdhaval-DC	24	2	6.16 GB	12.68 GB	16.43	1,296
suprabha	24	2	3.36 GB	21.38 GB	23.73	1,315
Yash	23	2	5.7 GB	35.65 GB	28.54	750
Agam	22	2	5.45 GB	32.64 GB	20.72	685
Guru	20	2	4.95 GB	36.85 GB	30.77	707
Amit	18	2	5.78 GB	46.5 GB	27.67	660
Ritesh	18	4	7.56 GB	44.98 GB	20.19	660
Sushil	16	3	6.38 GB	33.88 GB	37.63	570
BLR-IT-DC	15	1	0.33 GB	3.53 GB	6.91	3,156
Magesh	14	2	6.31 GB	47 GB	7.74	669
ESO-vRB-DC	14	1	1.74 GB	11.5 GB	6.79	1,434
Sidharth	14	2	5.79 GB	45.5 GB	34	616
Shivam	14	3	6.93 GB	46.79 GB	38.6	694
Kruti	13	3	8.91 GB	82.91 GB	41.79	609

DC Name	VM Count ▼	Average VM Profile			Average Cost per VM	End of the month cost
		vCPU	Memory	Storage		
Swarna	13	3	8.19 GB	39.38 GB	35.23	743
PALOALTO-IT-DC	11	1	0.21 GB	1 GB	6.5	2,601
Chandrashekhar	11	4	9.08 GB	25.64 GB	31.35	587
Vaidic	10	3	11.2 GB	74.02 GB	10.07	669
Datta	10	2	4.8 GB	34 GB	21.92	882
Kamesh	9	2	4.67 GB	47.22 GB	46.31	638
Akash	9	16	38.33 GB	208.11 GB	148.22	492
Ajay	9	3	5.44 GB	221.89 GB	50.74	639
Lab	8	1	4.26 GB	82.95 GB	168.89	1,888
Atul	8	3	6.13 GB	41.5 GB	66.53	632
Shrisha	8	2	6.75 GB	61.75 GB	56.34	632
Sawan	7	3	5.83 GB	33.57 GB	57.39	572
Jobin	7	3	6.86 GB	122 GB	55.08	642
Symphony	7	1	9.43 GB	254.29 GB	29.44	1,630
Israel-Don't create/remove infra	7	4	4 GB	103.57 GB	139.58	1,236
Joy	7	3	7.43 GB	50 GB	45.63	562
Nupur	6	3	8 GB	96.26 GB	92.58	664
Karthik	5	2	4.8 GB	40 GB	95.39	614
Jeevan	5	3	7.8 GB	52.05 GB	95.87	516
Naveen	5	3	7.2 GB	63 GB	28.82	614
Prateek	4	7	9 GB	162.5 GB	121.17	573



## Business Unit Expenses(US Dollar)

Top business units based on monthly expense

Business Unit Name	Estimated Month End Cost	Trend Versus Previous Month
Uncategorized VMs	15,170	↑
Discovered virtual machine	2,487	↑
Countries	1,173	↑
remove infra	991	↑
MBU	809	↑

## Business Unit Expense Details(US Dollar)

All business units and their corresponding expense details

BU Name	VM Count ▼	Average VM Profile			Average VM cost	End of the month cost
		vCPU	Memory	Storage		
Uncategorized VMs	403	3	7 GB	54.54 GB	37.65	15,170
MBU	204	0	0 GB	0 GB	2.98	607
Countries	72	1	1.36 GB	20.77 GB	16.3	1,173
Discovered virtual machine	43	3	6.5 GB	38.94 GB	57.84	2,487
VRM	42	1	1.76 GB	2.14 GB	9.22	387
Vancos_Playground	34	0	0 GB	0 GB	2.6	88
Global-IT	26	1	0.28 GB	2.46 GB	8.85	230
VDC-M8999999988-8888-972	13	0	0 GB	0 GB	5.01	65
remove infra	7	4	4 GB	103.57 GB	141.65	991
Symphony	7	1	9.43 GB	254.29 GB	31.51	220
vCD 810 Onecloud	5	1	0.85 GB	0.89 GB	15.86	79

BU Name	VM Count ▼	Average VM Profile			Average VM cost	End of the month cost
		vCPU	Memory	Storage		
IAAS.JAVA_8	1	2	4 GB	0 GB	10.61	10
vCloudDeployvCD	0	0	0 GB	0 GB	0	0
Finance	0	0	0 GB	0 GB	0	0
Quality Engineering	0	0	0 GB	0 GB	0	0
Development	0	0	0 GB	0 GB	0	0
vCloudDirector	0	0	0 GB	0 GB	0	0



## All business units(BU) and their potential cost saving opportunities(US Dollar)

Note:

- Average VM Cost considers all VMs of the BU, including the reclaimable VMs.
- For information about computation of Potential Reclaimable Cost, see 'Private Cloud Reclamation' in the Showback statement in vRealize Business for Cloud (Navigate to Consumption, click Showback ->Showback Statement).

BU Name	VM Count	Reclaimable VMs	Average VM Cost	Potential Reclaimable Cost
Uncategorized VMs	403	189	37.65	4,241
remove infra	7	6	141.65	819
Countries	72	24	16.3	365
Discovered virtual machine	43	10	57.84	357
Global-IT	26	26	8.85	230
Symphony	7	7	31.51	220
VRM	42	15	9.22	124
vCD 810 Onecloud	5	4	15.86	42
IAAS.JAVA_8	1	0	10.61	0
vCloudDeployvCD	0	0	0	0
MBU	204	0	2.98	0
VDC-M8999999988-8888-972	13	0	5.01	0
Finance	0	0	0	0
Vancos_Playground	34	0	2.6	0
Quality Engineering	0	0	0	0
Development	0	0	0	0
vCloudDirector	0	0	0	0





## Compare VM expenses(US Dollar) across clouds

This is a what-if analysis report which shows the expenses(Total Cost of Ownership including sunk cost of infrastructure) of your infrastructure in private cloud environment. This report also evaluates and shows the cost of running the same infrastructure on other public cloud environments like Amazon Web Services (AWS) and Microsoft Azure.



Private Cloud

606 VMs

Expense (Total Cost of Ownership) - 49,482(US Dollar)



Amazon Web Services

100,269(US Dollar)

+50,787(US Dollar)



Microsoft Azure

126,313(US Dollar)

+76,831(US Dollar)

Note: Calculated based on publicly available data as on Feb 22, 2017



A detailed report which shows the expenses(US Dollar) of each data center in private cloud environment. This report also shows the potential cost(US Dollar) of running the same infrastructure on other public cloud environments like AWS and Microsoft Azure.

DC Name	VM Count ▼	Average VM Profile			Utilization Cost	EstimatedCost on Amazon	EstimatedCost on Azure
		vCPU	Memory	Storage			
Bengaluru	37	1	1.44 GB	20.24 GB	439	1,106	1,755
PaloAlto	35	1	1.29 GB	21.34 GB	440	1,047	1,660
Akash	33	4	10.45 GB	56.76 GB	1,066	11,886	13,869
Vidyadhari	30	2	5.57 GB	61.6 GB	508	3,054	3,234
Nibunan	29	3	6.76 GB	36.55 GB	623	2,950	6,491
Aditya	27	3	8.52 GB	47 GB	707	9,725	11,347
pdhaval-DC	24	2	6.16 GB	12.68 GB	335	2,439	2,585
suprabha	24	2	3.36 GB	21.38 GB	464	1,351	2,460
Yash	23	2	5.7 GB	35.65 GB	528	2,340	2,479
Agam	22	2	5.45 GB	32.64 GB	376	2,238	2,371
Guru	20	2	4.95 GB	36.85 GB	492	2,035	2,156
Amit	18	2	5.78 GB	46.5 GB	401	1,833	1,941
Ritesh	18	4	7.56 GB	44.98 GB	300	6,485	6,012
Sushil	16	3	6.38 GB	33.88 GB	476	1,628	3,582
BLR-IT-DC	15	1	0.33 GB	3.53 GB	101	149	276
Magesh	14	2	6.31 GB	47 GB	103	1,427	1,510
ESO-vRB-DC	14	1	1.74 GB	11.5 GB	93	419	664
Sidharth	14	2	5.79 GB	45.5 GB	378	1,426	1,510
Shivam	14	3	6.93 GB	46.79 GB	427	1,427	3,135

DC Name	VM Count ▼	Average VM Profile			Utilization Cost	EstimatedCost on Amazon	EstimatedCost on Azure
		vCPU	Memory	Storage			
Kruti	13	3	8.91 GB	82.91 GB	427	4,689	5,467
Swarna	13	3	8.19 GB	39.38 GB	364	4,684	5,464
PALOALTO-IT-DC	11	1	0.21 GB	1 GB	70	109	202
Chandrashekar	11	4	9.08 GB	25.64 GB	275	3,963	4,623
Vaidic	10	3	11.2 GB	74.02 GB	91	3,608	4,206
Datta	10	2	4.8 GB	34 GB	179	1,019	1,079
Kamesh	9	2	4.67 GB	47.22 GB	326	919	972
Akash	9	16	38.33 GB	208.11 GB	1,066	12,859	14,181
Ajay	9	3	5.44 GB	221.89 GB	356	936	2,029
Lab	8	1	4.26 GB	82.95 GB	1,025	821	867
Atul	8	3	6.13 GB	41.5 GB	411	816	1,792
Shrisha	8	2	6.75 GB	61.75 GB	350	818	865
Sawan	7	3	5.83 GB	33.57 GB	312	714	1,568
Jobin	7	3	6.86 GB	122 GB	300	723	1,574
Symphony	7	1	9.43 GB	254.29 GB	165	1,541	771
Israel-Don't create/remove infra	7	4	4 GB	103.57 GB	743	1,961	1,573
Joy	7	3	7.43 GB	50 GB	250	716	2,340
Nupur	6	3	8 GB	96.26 GB	426	619	2,009
Karthik	5	2	4.8 GB	40 GB	365	512	541
Jeevan	5	3	7.8 GB	52.05 GB	367	513	1,672
Naveen	5	3	7.2 GB	63 GB	115	514	1,673
Prateek	4	7	9 GB	162.5 GB	369	2,232	1,787

Note: Prices based on publicly available price on Feb 22, 2017