



Azure Cost | Capacity | Optimization Management (ACOM)

| A Sneak Peek into one of the Bespoke Services

| Developed on i3-NoCode Innovation Cloud Excellence Platform ([i3CEP](#))

| Inclusive Design with Sensible Intelligence (SI - Practical | Reasonable | Rational)

| Primary focus on Customer Service Management

i3CEP
NoCode Innovation



Azure Service Operations Management



Azure Service Delivery Management



| Service Readiness |

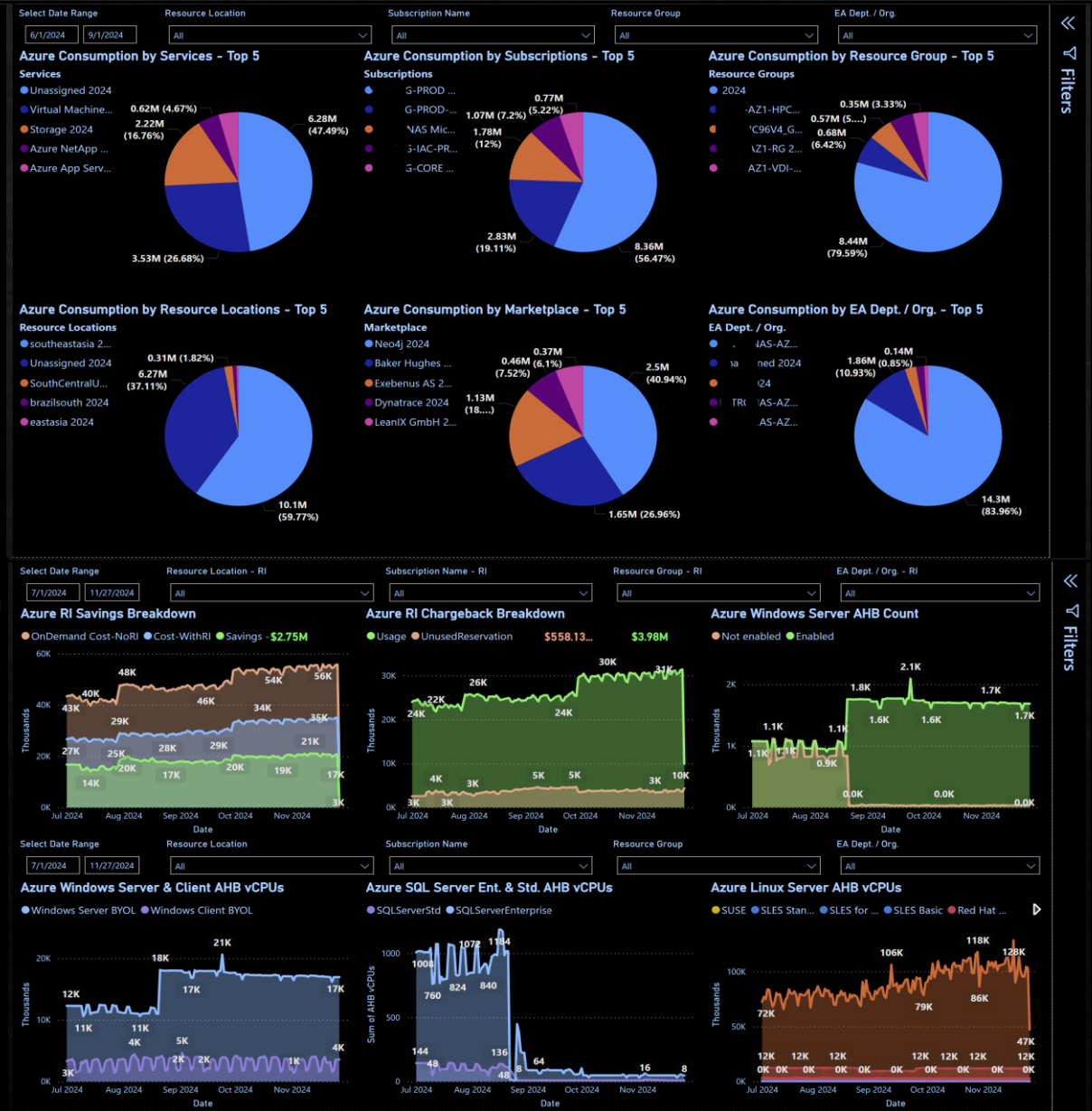
- | OTB (Out-of-The-Box) | Ready-to-Deploy

| Service Deployment Options |

- | Direct Method | Customers Tenant
- | Indirect Method | Host on i4dCEP Tenant |
Managed Service Subscription

➤ Bespoke Service-1 -|- Azure Cost | Capacity | Optimization Management (**ACOM**) |

- A Customized, Reusable, Ready-to-Deploy Azure Service Usage Report Template
- **ACOM** Service Usage Report Template provides Azure Enterprise Agreement (EA) Customers with detailed & Advanced Insights into Daily / Monthly / Yearly Azure Spend, Service Usage Trends, Capacity In-Use and probable Cost & Capacity Optimization Service areas, cutting across Primary & B2B Tenants | Azure Regions | Organization / Departments | Accounts | Subscriptions, Resource Groups, Service Categories, Sub-Categories, actual Product SKUs, Individual Resources / Resources Names...
 - Aligned to **Azure EA Structure, Hierarchy & Framework** -|- *Get visibility of the current configured EA Structure & respective Azure Spend*
 - High Level Overview Service Usage Reports for Executive / CXO view -|- *Overall Service & Marketplace Spend | RI Purchase, Savings & Recommendations | AHB Usage*
 - Low Level Service Usage Reports for BAU Operations view -|- *Resource Count, Usage Hours, vCPUs / Cores, Data size, Cost & Last Day Capacity view for | Virtual Machines & License | Storage, ANF, AMLFS, Disks & Snapshots | Backup & ASR | Network & Bandwidth | Security | Databases | Data & AI | App Services | Resource Inventory | Price List*
 - Accurate up to n-1 day over a selected period, initial period is set to 1 or 2 Months, can be changed between 0 to 12 Months
 - Extensive Filters, Row / Column Drill-down options, Interdependent Tiles & a **Focus Mode** feature for enhanced Full-page visibility
 - Scheduled Reports to Refresh Daily / Weekly across different Time-Zones
 - Options to export Individual Reports to MS Excel or Analyse in MS Excel with Direct Query Live Connection to the Semantic Model
 - Requires Power BI / Fabric Workspace with Premium / Fabric Capacity License respectively and Azure '**Enterprise Billing (Reader)**' RBAC for Data Connect
 - Deploy Directly Straight Out-of-The-Box (OTB) to Customer Tenant with Relative Ease
 - Optional Indirect-Deployment method | Host on i4dCEP | Subscribe with Managed Service
 - No Specific Tech Skills required, No Code or API/KQL/DAX quires to be developed
- Value Add - Bespoke Report | **Azure Resource Quota Usage Insights**
 - This Report serves as Readymade Template to get Azure Quota & Usage information for Compute, Disks, Storage & Network Resources and Idle / Orphaned Resources like NIC's, Managed Disks & Public IP's across all the Subscriptions under a specific Azure Tenant
 - Download the Report Template & go through the setup documentation at the GitHub Repo here - [GitHub - i3CEP/Azure-Quota](#)



➤ **Bespoke Service-1** -| Azure Cost | Capacity | Optimization Management (ACOM) – Sample Snapshot of few Service Reports;

[illegible][illegible]

Month	Azure Overall	Azure + RI Purchase	Marketplace	RI Purchase
Jul 2024	0.16M	0.00M	0.00M	0.00M
Aug 2024	1.37M	0.21M	0.10M	0.00M
Sep 2024	1.13M	0.16M	0.21M	0.09M
Oct 2024	0.57M	0.15M	0.00M	0.00M
Nov 2024	0.43M	0.25M	0.07M	0.07M

Bespoke Service-1 -|- Azure Cost | Capacity | Optimization Management (ACOM) – Sample Snapshot of few Service Reports;

Select Date Range

Resource Location

Subscription Name

Resource Group

EA Dept. / Org.

7/1/2024

11/27/2024

All

All

All

All

Azure Services - EA Department-Account-Subscription Wise Consumption - MoM

Year	2024	Total					
EA Department Name	July	August	September	October	November	Total	Total
Unassigned	4,340,770.84	4,390,999.93	3,044,995.97	2,854,596.71	2,400,682.26	17,032,045.71	17,032,045.71
Unassigned	609,146.66	617,544.12	713,776.98	694,005.12	489,909.72	3,124,382.61	3,124,382.61
Unassigned	135,385.77	145,325.26	149,462.58	157,240.64	130,786.35	718,200.60	718,200.60
Unassigned	107,501.16	97,036.45	95,874.90	91,403.68	85,665.73	477,481.92	477,481.92
Unassigned	46,818.18	48,706.83	50,607.85	51,289.98	45,651.40	243,074.25	243,074.25
Unassigned	19,142.92	19,077.68	16,815.32	19,037.51	16,168.73	90,242.15	90,242.15
Unassigned	6,426.04	6,081.36	5,588.03	6,018.53	5,162.27	29,276.23	29,276.23
Unassigned	2,541.47	2,334.02	2,467.65	2,532.36	2,184.39	12,259.88	12,259.88
Total	5,267,733.04	5,327,305.66	4,079,589.28	3,876,124.54	3,176,211.36	21,726,963.88	21,726,963.88

DIGITAL

Billing Account Name

Billing Account ID

USD

Billing Currency

8

EA Departments

13

EA Accounts

72

Azure Services - EA Department-Account-Subscription Wise Capacity Utilization (Last 1 Month)

Date	10/29/2024 12:00:00 AM						10/30/2024 12:00:00 AM						10/31/2024 12:00:00 AM												
EA Department Name	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost							
Unassigned	78588	185,697,527.17	1	235899	28,877,051.35	172,151.71	67003	185,746,902.99	1	219149	28,144,686.76	87,142.02	71	806	1,236,591.47	1	475	173,973.14	2,806.78	972	1,252,197.34	1	637	173,563.60	164,402.91
Unassigned	3516	105,712.27	1	7338	861,326.54	5,085.55	3485	109,885.28	1	7672	867,651.36	5,106.40	3	274	3,508,434.50	1	462	1,650,347.35	3,246.14	278	3,507,946.72	1	458	1,652,632.96	3,247.34
Unassigned	3	15,243.79	1 GB		27,349.12	1,701.03	3	15,167.35	1 GB		27,282.53	1,691.92		43	12,859.41	1 GB	28	27,178.64	694.15	41	12,810.65	1 GB	32	27,306.91	690.12
Unassigned	198	4,766.93	1	116	11,024.92	195.41	196	4,854.91	1	122	11,031.46	195.59		258	1,604.40	1	34	6.51	81.88	276	1,608.62	1	30	6.69	81.93
Unassigned	258	1,604.40	1	34	6.51	81.88	276	1,608.62	1	30	6.69	81.93													
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Select Date RangeResource LocationSubscription NameResource GroupEA Dept. / Org.

7/1/202411/27/2024AllAllAllAll

Azure Services - Subscription Wise Consumption - MoM

Year							Total
Subscription Name	2024	July	August	September	October	November	Total
UnassignedAZSG-PROD ENVIRONMENT	2,202,308.11	2,548,857.27	1,382,875.41	1,214,599.80	1,123,882.30	8,472,522.89	8,472,522.89
UnassignedAZSG-PROD ENVIRONMENT	1,092,515.56	877,322.01	818,351.44	827,638.12	563,852.26	4,179,679.38	4,179,679.38
UnassignedMicrosoft Azure Enterprise	580,823.91	589,978.47	685,557.83	665,413.96	466,948.85	2,988,723.03	2,988,723.03
UnassignedAZSG-IAC-PROD ENVIRONMENT	358,381.06	374,495.08	324,973.37	325,189.39	281,153.48	1,664,192.37	1,664,192.37
UnassignedAZSG-CORE ENVIRONMENT	258,935.49	214,323.13	209,659.49	188,276.94	168,792.09	1,039,987.15	1,039,987.15
UnassignedAZSG-DEV ENVIRONMENT	172,465.93	133,057.71	103,303.47	106,019.04	93,777.73	608,623.89	608,623.89
UnassignedAZSG-UAT ENVIRONMENT	150,503.78	135,062.93	103,783.70	95,750.18	79,979.18	565,079.78	565,079.78
UnassignedAZSG-CUS-PROD ENVIRONMENT	92,624.96	82,792.27	81,557.99	76,586.71	71,739.84	405,301.77	405,301.77
UnassignedAZSG-IAC-DEV ENVIRONMENT	52,796.27	55,158.39	53,637.30	42,851.28	39,866.84	244,310.09	244,310.09
UnassignedAZBR-PROD ENVIRONMENT	46,806.43	48,693.35	50,598.05	51,286.35	45,651.40	243,035.57	243,035.57
UnassignedAZSG-PROD-ENV (PROD)	45,509.33	47,560.96	41,724.35	42,748.72	36,149.81	213,693.17	213,693.17
Total	26,743.77	26,091.96	26,386.56	25,545.56	20,212.31	121,980.15	121,980.15
	5,267,733.04	5,327,305.66	4,079,589.28	3,876,124.54	3,176,211.36	21,726,963.88	21,726,963.88

Capacity - Last Date

Rtn Preference: MGN - Standard

8159

Count | Capacity

2,409.08

Datashow (GB)

(Blank)

VP33

Virtual Network Peering - Int

7655

Count | Capacity

10,360.36

Datashow (GB)

(Blank)

Azure Services - Subscription Wise Capacity Utilization (Last 1 Month)

Date	10/29/2024 12:00:00 AM						10/30/2024 12:00:00 AM						10/31/2024 12:00:00 AM												
Subscription Name	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost							
Unassigned	56118	1,798,699.49	1	138949	8,506,698.23	20,148.37	44524	1,832,050.53	1	116777	8,520,314.67	1	1	163,267,566.48	1	32122	16,493,370.37	123,742.10	1612	163,294,866.20	1	33658	15,737,502.73	3	
Unassigned	259	58,434.53	1	154	62,749.69	1,955.96	381	57,822.20	1	144	62,229.26	16		3514	8,535,190.99	1	14136	1,387,128.70	11,044.28	3501	8,532,589.49	1	16014	1,392,549.93	1
Unassigned	4277	234,003.88	1	5701	1,873,008.91	6,774.40	4262	2,387,874.62	1	6145	1,874,689.90			6360	833,743.22	1	29250	220,605.16	3,774.98	6709	838,751.42	1	31948	223,293.93	
Unassigned	3433	98,366.50	1	8572	291,914.64	1,338.42	3241	94,640.41	1	7706	291,695.27			193	3,479,928.88	1	462	818,651.65	2,754.54	197	3,479,353.86	1	458	817,985.89	
Unassigned	3	15,243.79	1 GB		27,349.12	1,701.03	3	15,167.35	1 GB		27,282.53			1648	6,033,850.88	1	3100	51,501.54	1,556.65	1571	6,035,465.75	1	2960	52,174.16	
Unassigned	1620	35,199.69	1	2708	233,275.54	1,370.77	1598	35,514.70	1	2854	233,308.98			302	12,246.64	1	434	97,691.63	820.83	301	11,974.30	1	460	97,575.80	
Unassigned	56118	1,798,699.49	1	138949	8,506,698.23	20,148.37	44524	1,832,050.53	1	116777	8,520,314.67	1	1	163,267,566.48	1	32122	16,493,370.37	123,742.10	1612	163,294,866.20	1	33658	15,737,502.73	3	

Virtual Network Peering - Inter

7651

Count | Capacity

9,082.10

DataSize(GB)

(Blank)

VCPUs

Microsoft Defender for Service

7054

Count | Capacity

0.00

DataSize(GB)

7651.00

Select Date Range

Resource Location

Subscription Name

Resource Group

EA Dept. / Org

7/1/2024

11/27/2024

All

All

All

All

Azure Services - Overall Consumption - MoM

Year

2024

Total

Service

July

August

September

October

November

Total

Total

Unassigned

1,526,478.92

1,818,984.77

751,194.97

593,670.39

599,750.11

5,290,079.16

5,290,079.16

Virtual Machines

1,315,915.69

1,102,608.83

1,105,712.86

994,465.45

578,887.27

5,097,590.10

5,097,590.10

Storage

742,155.50

695,944.38

695,921.31

684,605.28

606,655.55

3,425,282.01

3,425,282.01

Azure NetApp Files

213,318.32

198,935.91

194,333.00

258,981.56

224,216.19

1,089,784.98

1,089,784.98

Azure App Service

196,735.52

196,792.95

188,059.70

188,752.38

164,708.97

935,049.52

935,049.52

SQL Database

124,298.42

132,739.09

166,358.48

164,671.01

138,834.00

726,901.00

726,901.00

Backup

182,169.18

167,332.90

126,609.13

132,005.54

113,483.16

721,599.91

721,599.91

Microsoft Defender for Cloud

123,254.41

115,778.39

112,456.95

119,227.21

106,329.88

577,046.85

577,046.85

Bandwidth

99,543.18

102,357.25

99,971.68

101,510.33

92,591.19

495,973.63

495,973.63

Azure Synapse Analytics

80,970.47

80,776.12

79,907.59

79,727.51

79,454.05

400,835.74

400,835.74

Sentinel

71,125.94

69,294.91

69,875.21

77,820.52

58,023.50

346,140.09

346,140.09

Virtual Machines Licenses

64,668.32

171,004.38

10,957.14

16,417.46

14,310.72

285,641.07

285,641.07

Total

5,267,733.04

5,327,305.66

4,079,589.28

3,876,124.54

3,176,211.36

21,726,963.88

21,726,963.88

Capacity - Last Date

Rtn Preference: MGN - Stand...

8159

Count | Capacity

2,409,08

DataSize(GB)

(Blank)

VCPUs

Virtual Network Peering - Int...

7655

Count | Capacity

10,360.36

DataSize(GB)

(Blank)

VMs

Azure Services - Overall Capacity Utilization (Last 1 Month)

Date	10/29/2024 12:00:00 AM						10/30/2024 12:00:00 AM					
Service	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost
Virtual Machines	16111	73,516.01	1 Hour	235778	0.00	115,786.02	12366	72,986.28	1 Hour	219722	0.0	
Storage	41613	107,575,222.16	1	16	22,377,890.56	21,609.13	35891	107,603,806.07	1	32	21,639,903.3	
Unassigned	18	3,029.23	Unassigned	73	0.00	74.08	17	3,075.97	Unassigned	75	0.0	
Azure NetApp Files	14	60,678,144.00	1 GB/Hour		2,528,256.00	9,070.34	14	60,678,144.00	1 GB/Hour		2,528,256.0	
Azure App Service	3344	20,956.37	1 Hour		0.00	5,340.19	3349	21,076.21	1 GB		0.1	
SQL Database	1093	50,988.51	1 GB/Month		99,829.50	3,825.76	1092	51,089.32	1 GB/Month		99,019.5	
Backup	489	148,060.91	1 GB/Month		4,500,300.04	4,305.23	488	148,264.58	1 GB/Month		4,506,501.1	
Microsoft Defender for Cloud	14297	280,154.72	1		27.11	3,873.68	13268	284,691.91	1		61.9	
Bandwidth	14826	51,686.30	1 GB		51,686.30	3,708.33	12446	55,514.23	1 GB		55,514.2	
Azure Synapse Analytics	31	2,870.14	1 Hour		112,833.55	88.66	31	2,872.28	1 Hour		110,053.5	
Sentinel	6	422.53	1 GB		419.90	3,121.73	6	420.08	1 GB		417.6	
Azure Data Factory v2	182	10,107.62	1 Hour		0.00	1,981.15	159	9,498.94	1 Hour		0.0	

Virtual Network Peering - Int.

Count Capacity	7651
DataSize(GB)	9,082.10
(Blank)	
VCPUs	
Microsoft Defender for Serv.	
7054	
Count Capacity	
0.00	
DataSize(GB)	

Select Date Range

Resource Location

Subscription Name

Resource Group

EA Dept. / Org.

7/1/2024

11/27/2024

All

All

All

All

Azure Services - Resource Group Wise Consumption - MoM

2024

July

August

September

October

November

Total

Year	2024	July	August	September	October	November	Total
Resource Group							
		2,255,520.57	2,584,972.59	1,643,891.95	1,056,606.13	1,168,685.05	8,709,676.30
00-az1		230,841.89	206,943.86	216,653.32	206,615.19	177,604.24	1,038,658.51
00-az1-rg		191,544.50	184,178.04	179,709.37	243,869.50	211,494.21	1,010,795.61
AZSG-CORE-SENTINEL	-RG	106,014.63	105,024.63	105,558.50	101,558.91	90,888.54	509,045.21
00-AZ1-VDI-RG		115,404.87	138,629.50	129,361.17	66,635.01	48,848.87	498,879.42
00NC96V4_GROUP		289,439.48	79,705.33	51,986.27	48,653.56	566.68	470,351.33
AZSG-PROD	-core-RG				428,617.13		428,617.13
AZSCUS-PROD	-RG	77,137.28	60,757.58	58,591.84	60,008.11	51,813.83	308,308.64
AZBR-PROD	-RG	46,802.08	48,686.46	50,591.39	51,281.98	45,647.24	243,009.15
AZSG-PROD	-RG	30,024.92	32,792.32	35,307.95	43,248.50	36,653.57	178,027.27
abricks-rg	dh-plat-dbrck01-md2	41,795.32	32,948.02	34,298.49	30,868.80	26,043.83	165,954.45
Total		5,267,733.04	5,327,305.66	4,079,589.28	3,876,124.54	3,176,211.36	21,726,963.88

Capacity - Last Date

Rtn Preference: MGN - Stand

8159

Count | Capacity

2,409.08

DataSource(GB)

(Blank)

VCPUs

Virtual Network Peering - Int

7655

Count | Capacity

10,360.36

DataSource(GB)

(Blank)

Azure Services - Resource Group Wise Capacity Utilization (Last 1 Month)

Date	10/29/2024 12:00:00 AM						10/30/2024 12:00:00 AM					
Resource Group	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost	Count	Quantity	UOM	VCPUs	DataSize(GB)	Cost
Unassigned	97	163.44	1 GB/Month		114.03	106,461.83	198	106,461.83	1	72		
00-az1-rg	40	56,747,442.61	1	96	2,383,113.17	8,581.30	40	56,747,550.00	1	96	2,383,113.17	8,581.30
00-az1- c-rg	90	106,472,036.67	1	688	14,031,674.57	6,680.58	88	106,499,020.00	1	688	14,031,674.57	6,680.58
AZSG-CORE-SENTINEL -RG	105	94,752.65	1	422	1,475,732.73	3,991.39	100	100,910.00	1	400	1,475,732.73	3,991.39
AZSCUS-PROD-GTD-RG	122	3,466,683.87	1 GB	398	778,718.74	1,986.56	122	3,465,250.00	1 GB	398	778,718.74	1,986.56
00-AZ1-VDI-RG	1104	8,654.65	1 GB	10514	9,809.51	2,320.18	1091	8,775.00	1 GB	10514	9,809.51	2,320.18
AZBR-PROD -RG	2	15,243.73	1 GB		27,349.12	1,700.86	2	15,110.00	1 GB		27,349.12	1,700.86
AZSG-PROD -RG	240	90,888.30	1	356	783,227.93	1,384.94	238	101,862.00	1	356	783,227.93	1,384.94
AZSG-PROD -TA-RG	22	85,035.94	1 GB	148	2,380,531.40	1,112.14	22	90,610.00	1 GB	148	2,380,531.40	1,112.14
tabricks-rg -plat-dbrick01-md -pve2	31074	98,432.12	1 GB	61496	78,424.04	1,277.02	23797	86,770.00	1 GB	61496	78,424.04	1,277.02
tabricks-rg -plat-dbrick03-n6rjbsd4npyhe	14105	51,272.01	1 GB	37440	34,955.86	790.59	9425	57,700.00	1 GB	37440	34,955.86	790.59
azsg-prod -rg	217	25,353.82	1 GB	1930	427,316.82	890.84	217	25,350.00	1 GB	1930	427,316.82	890.84

Virtual Network Peering - Int

7651

Count | Capacity

9,082.10

DataSize(GB)

(Blank)

VCPUs

Microsoft Defender for Serve

7054

Count | Capacity

0.00

DataSize(GB)

(Blank)

i3CEP
NoCode Innovation



Azure Service Operations Management



Azure Service Delivery Management



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