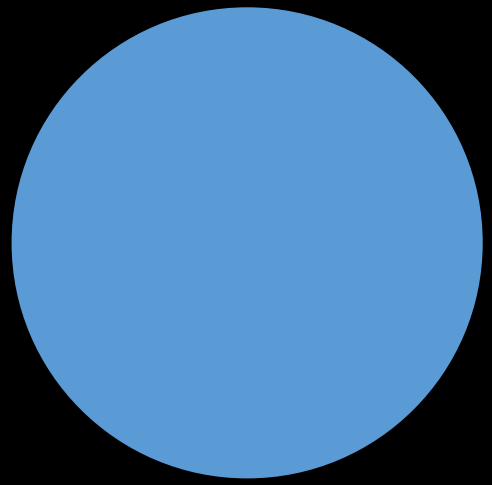
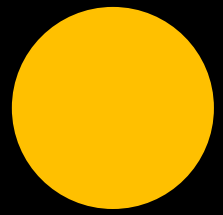




i3CEP NoCode Innovation

Azure Service Operations Management ASOM NoCode Innovation

Azure Service Delivery Management ASDM NoCode Innovation

# Azure Cost | Capacity | Optimization Management (ACOM)

*| A Sneak Peek into a Customised Management Service*

*| Developed on a Innovative NoCode i3-Cloud Excellence Platform (i3CEP)*

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

*| Primary focus on Customer Service Management*

## | Service Readiness |

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

## | Service Deployment Options |

- | Direct Method | Customers Tenant
- | Indirect Method | Host on i3CEP Tenant | Managed Services Subscription

# Azure Service Operations Management

- Azure Cost | Capacity | Optimization Management (**ACOM**) |
  - A Customized | Ready-to-Deploy | Azure Service Spend & Usage Dashboard/Report Template, developed on NoCode i3CE Platform (*i3CEP*) | An Inclusive Design with Sensible Intelligence (SI) - Practical | Reasonable | Rational
  - **ACOM** Service Spend & Usage Dashboard/Report Template provides Azure Enterprise Agreement (EA) Customers with Advanced Insights into Yearly / Monthly / Daily Azure Service 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
    - Modular approach | Aligned to Azure EA Framework -|- *Get visibility of the current configured EA Structure,* Hierarchy *& respective Azure Spend*
    - CXO / Exec. | High Level Overview | Azure Service Spend -|- *Overall Service & Marketplace Spend | RI Purchase, Savings & Recommendations | AHB Usage*
    - BAU Ops | Low Level Overview | Azure Service Spend & Usage -|- *Resource Count, Usage Hours, vCPUs / Cores, Data & Snapshot sizes, Cost & Last Day Capacity view for | Virtual Machines & License | Storage, ANF, AMLFS & Disks | Backup & ASR | Network & Bandwidth | Security | Databases | Data & AI | App/PaaS Services | Resource Inventory | Price List*
    - Advanced Insights 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 Up/Down options, Interdependent Tiles, ***Personalize*** visuals option, ***Focus Mode*** for enhanced Full-page visibility & option to set ***Alert*** notifications
    - Options to export Individual Reports to MS Excel or Analyse in MS Excel with Direct Query Live Connection to the Semantic Model
    - Schedule Report Refresh options - Hourly / Daily / Weekly across different Time-Zones
    - Requires Power BI / Fabric Workspace with Pro / Premium / Fabric License respectively
    - Deploy directly Straight Out-of-The-Box (OTB) to Customer Tenant with Relative Ease
    - Optional Indirect-Deployment method | SaaS offering, hosted on i3CE Platform | Subscribe as 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**

# Azure Service Operations Management

## ➢ Azure Cost | Capacity | Optimization Management (**ACOM**) |

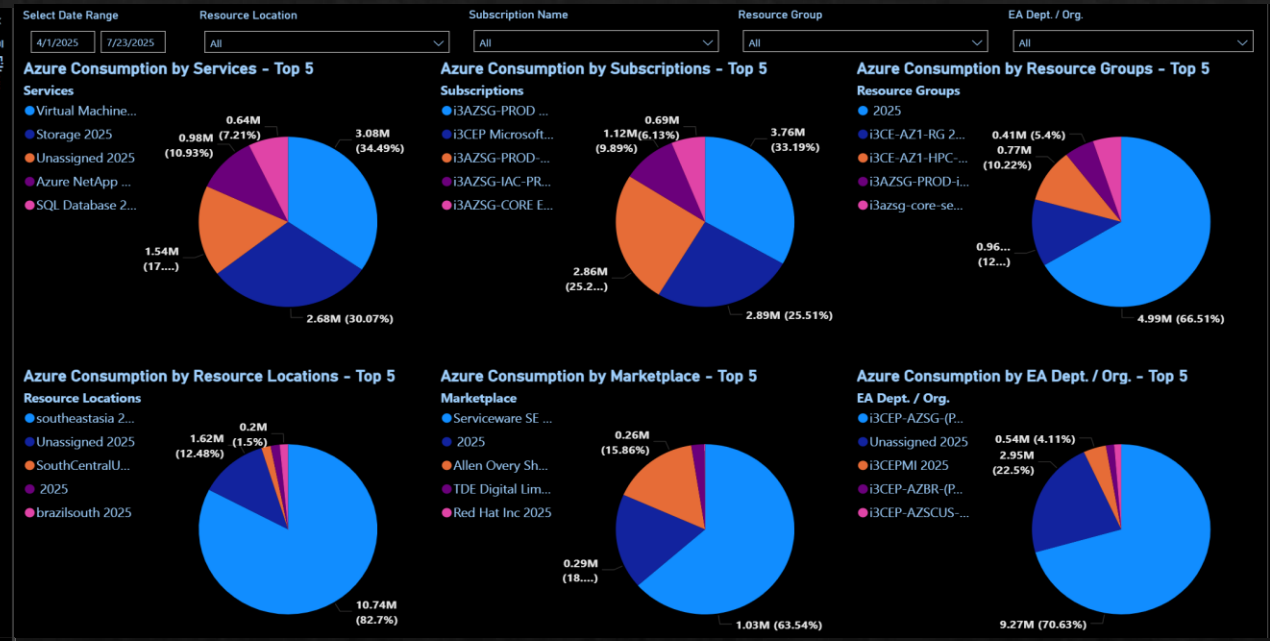
- Prerequisites:
  - Current scope for Azure Enterprise Agreement (EA) Customers only
  - Azure ***'EA Billing Account ID'*** & ***'Enrollment Reader'*** RBAC access for Data Connect
  - Power BI Admin access with permission to Install & Publish Template Apps
  - License requirement for "Backend Semantic Model (Data Connect)"
    - Power BI/Fabric Workspace with Pro/Premium/Fabric License (1 no,)
    - The SKU/License depends on the Data size of the Semantic Model
      - The Data size of the Semantic Model will depend on the "No. of Months" Parameter settings
      - Semantic Model Storage Limits by SKU is as depicted in the Table
  - License requirement for "ACOM-Advanced Insights Dashboard App"
    - Power BI Workspace with Pro Licence (1 no.)
  - License requirement for "ACOM-Advanced Insights Dashboard App Users"
    - Power BI Pro Licence (n x 1 no.)
- Deployment Methods:
  - Can be deployed Directly, Straight Out-of-The-Box (OTB) to Customer Power BI Tenant with Relative Ease
  - Optional Indirect Deployment method | SaaS offering, hosted on i3CE Platform | Subscribe as Managed Service
  - No Specific Tech Skills required, No Code or API / KQL / DAX quires to be developed
- Pricing Options: – Negotiated & Finalized during Purchase Agreement
  - Direct Deployment – Fixed Yearly Cost
  - Indirect Deployment – Variable Monthly Cost, based on Semantic Model Storage Limits

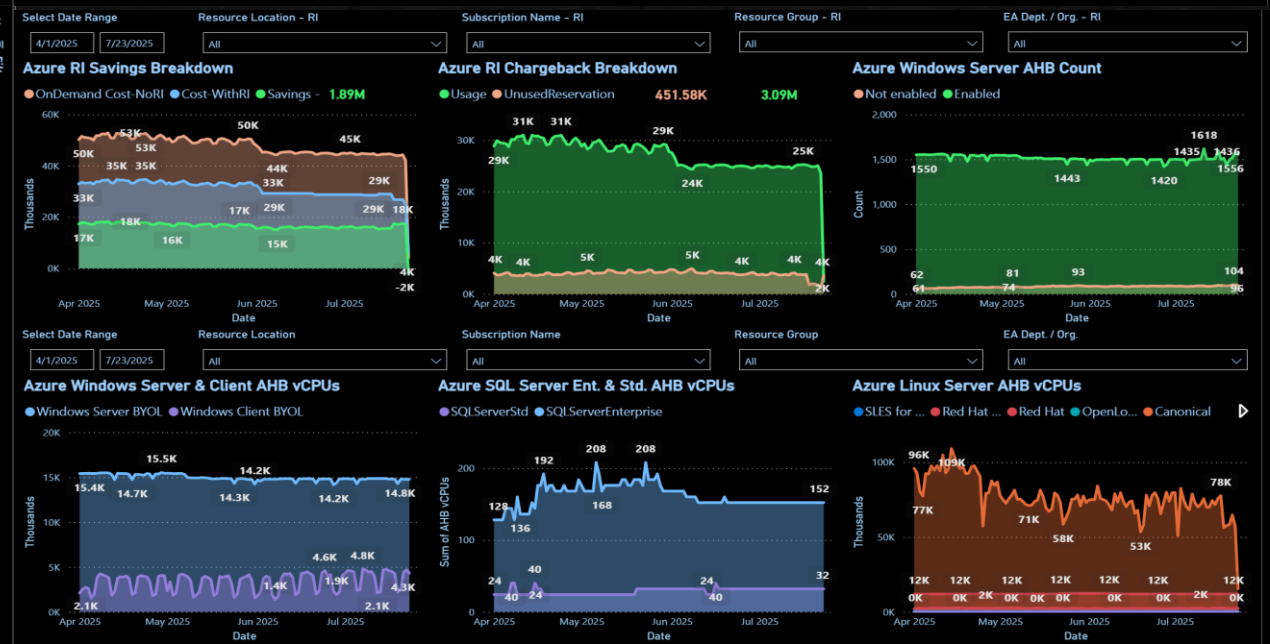
**Semantic Model Storage Limits by SKU**

| SKU / License | Max Memory per Semantic Model |
|---|---|
| Power BI Pro | 1 GB |
| Premium P1 / F32 | 10 GB |
| F64 | 25 GB |
| F128 | 50 GB |
| F256 | 100 GB |
| F512 | 200 GB |
| F1024 | 400 GB |
| F2048 | 400 GB |

# Azure Service Operations Management

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





# Azure Service Operations Management

ASOM NoCode Innovation

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

## Azure Reservation Details, Savings & Chargeback

Reservation Name: All | Select Date Range: 4/1/2025 – 7/23/2025 | Subscription Name: All | Resource Group: All | EA Dept. / Org.: All

**This report shows the savings accrued from a reservation:** The savings are available by Reservation name and at subscription, resource group and resource levels.
**Savings calculation factors in:**
1. *'OnDemandCost - No RI'* is calculated using your on-demand cost rate. This provides a calculation of what your cost would have been without RI.
2. *'UnusedReservation'* is the monetary value of RI underutilization and is subtracted from **Total Savings**

Total Savings 1.89M | Cost-WithRI 3.54M | OnDemandCost-NoRI 5.43M

**Reservation Charge Type**
**This report can help you understand where and how much RI Benefit was applied and to which region, SKU, subscription or resource group:**
The cost shown is the prorated reservation cost for all reservations that were active in the time period. Select a reservation name to see how much of the RI benefit was applied to a particular region, SKU, subscription or resource group. *'UnusedReservation'* is the monetary value of RI underutilization.
Select Reservation Charge Type: ☐ UnusedReservation ☐ Usage

Used Reservation 3.09M | Unused Reservation 451.58K

### Azure Reservation Details & Savings - Flat Table

| Subscription Name | Resource Group | Resource Name | OnDemand Cost-NoRI | Cost-WithRI | Savings | Charge Type |
|---|---|---|---|---|---|---|
| i3AZSG-PROD ENi3VIRONMENT | i3AZSG-PROD-PETEX-IAM-RG | i3SG-1WASi3a04 | 38,599.36 | 14,727.55 | 23871.81 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_f6e5c397 | 37,914.09 | 16,199.27 | 21714.82 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_825349da | 37,886.40 | 16,187.27 | 21699.13 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_82003d04 | 37,858.42 | 16,175.07 | 21683.36 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_5e1c2d9c | 37,843.87 | 16,168.97 | 21674.90 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_603c0844 | 37,718.27 | 16,115.07 | 21603.20 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_7bf72eb7 | 37,717.46 | 16,114.97 | 21602.49 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_cf2d766c | 37,631.05 | 16,077.59 | 21553.45 | Usage |
| i3AZSG-PROD-i3GC ENi3VIRONMENT | i3CENC96V4_GROUP | i3ceNC96v4_98f34bad | 37,532.53 | 16,036.27 | 21496.26 | Usage |
| | | | 5,426,658.06 | 3,540,897.92 | 1885760.13 | |

### Azure Reservation Details & Savings - Hierarchical Table

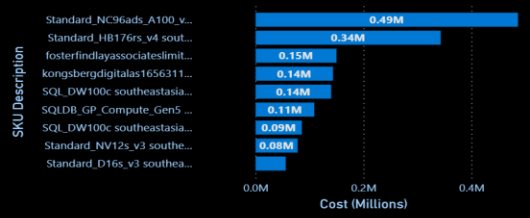
| Year | 2025 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Month | May | | June | | | July | | | |
| Reservation Name | thRI | Savings | OnDemand Cost-NoRI | Cost-WithRI | Savings | OnDemand Cost-NoRI | Cost-WithRI | Savings | |
| VM_RI_07-29-2024_20-30 | 14.26 | 114927.42 | 190,699.20 | 82,078.31 | 108620.89 | 140,375.80 | 60,874.75 | 79501.05 | |
| VM_RI_01-17-2024_14-06 | 09.43 | 108490.67 | 167,271.84 | 64,557.51 | 102714.33 | 123,130.66 | 47,880.16 | 75250.50 | |
| VM_RI_09-25-2024_14-32 | 93.67 | 44635.20 | 68,870.27 | 26,606.78 | 42263.49 | 50,691.53 | 19,733.36 | 30958.17 | |
| VM_RI_01-17-2024_14-07 | 59.01 | 36317.31 | 60,220.80 | 25,895.82 | 34324.98 | 44,329.20 | 19,206.07 | 25123.13 | |
| VM_RI_10-29-2024_16-22 | 19.54 | 30244.06 | 50,184.00 | 21,599.56 | 28584.44 | 36,941.00 | 16,019.67 | 20921.33 | |
| VM_RI_08-30-2024_22-35 | 19.54 | 30227.59 | 50,148.25 | 21,599.56 | 28548.69 | 36,922.42 | 16,019.67 | 20902.75 | |
| SQLDB_RI_07-13-2022_11-33 | 10.88 | 14079.68 | 34,214.40 | 21,107.30 | 13107.10 | 13,923.36 | 8,589.50 | 5333.86 | |
| i3DUDatabricks_Plan_05-31-2023_11-08 | 63.30 | 13004.08 | 5,468.83 | 4,042.53 | 526.30 | | | | |
| Total | 0.15 | 524932.55 | 1,353,319.78 | 877,096.42 | 476223.36 | 980,968.84 | 626,439.72 | 354529.12 | |

## Azure Reserved Instance Purchases

Reservation Order Name: All | Select Date Range: 4/1/2025 – 7/20/2025 | Select Event Type: All

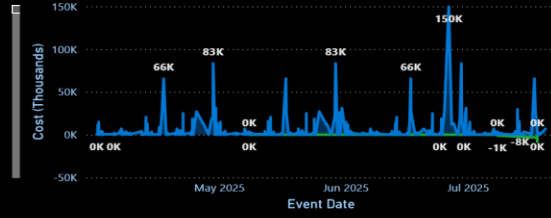
### VM RI Purchase Cost - VM SKU, Region & Term

Cost Type: Purchase, Refund




### VM RI Purchase Cost Over Selected Time Period

Cost Type: Refund, Purchase




**Top 5 Cost Type**
June 26, 2025 150,000.00 amount
April 29, 2025 83,218.29 amount
May 29, 2025 83,218.29 amount
June 29, 2025 83,218.29 amount
April 17, 2025 65,513.92 amount
May 17, 2025 65,513.92 amount
June 17, 2025 65,513.92 amount
July 17, 2025 65,513.92 amount

**RI Cost Type**
☐ Purchase ☐ Refund

### Azure RI Purchases Over Selected Time Period - Hierarchical Table

| Year | 2025 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Month | April | | | May | | | June | | |
| Reservation Order Name | Cost Type | Quantity | Amount | Cost Type | Quantity | Amount | Cost Type | Quantity | Amount |
| VM_RI_01-17-2024_14-06 | Purchase | 34.00 | 65,513.92 | Purchase | 34.00 | 65,513.92 | Purchase | 34.00 | 65,51 |
| VM_RI_07-29-2024_20-30 | Purchase | 19.00 | 83,218.29 | Purchase | 19.00 | 83,218.29 | Purchase | 19.00 | 83,21 |
| VM_RI_09-30-2024_11-57 | Purchase | 114.00 | 52,790.05 | Purchase | 114.00 | 52,790.05 | Purchase | 114.00 | 52,79 |
| vmsr-geoteric_software-20250626-01 | | | | | | | Purchase | 1.00 | 150,00 |
| vmsr-sitecom__as_vm_offering-20250327-01 | Purchase | 16.00 | 47,824.00 | Purchase | 16.00 | 47,824.00 | Purchase | 16.00 | 47,82 |
| VM_RI_01-17-2024_14-07 | Purchase | 6.00 | 26,279.46 | Purchase | 6.00 | 26,279.46 | Purchase | 6.00 | 26,27 |
| VM_RI_09-30-2024_11-58 | Purchase | 67.00 | 27,718.66 | Purchase | 67.00 | 27,718.66 | Purchase | 67.00 | 27,71 |
| VM_RI_09-25-2024_14-32 | Purchase | 14.00 | 26,976.32 | Purchase | 14.00 | 26,976.32 | Purchase | 14.00 | 26,97 |
| SQLDW_RI_03-22-2022_11-20_renewed | Purchase | 30.00 | 24,972.30 | Purchase | 30.00 | 24,972.30 | Purchase | 30.00 | 24,97 |
| SQLDB_RI_09-27-2024_10-25 | Purchase | 189.00 | 24,900.99 | Purchase | 189.00 | 24,900.99 | Purchase | 189.00 | 24,90 |
| VM_RI_08-30-2024_22-35 | Purchase | 5.00 | 21,899.55 | Purchase | 5.00 | 21,899.55 | Purchase | 5.00 | 21,89 |
| Total | Purchase | 4,053.00 | 937,070.50 | Purchase | 4,053.00 | 935,340.98 | Purchase | 3,985.00 | 1,069,69 |

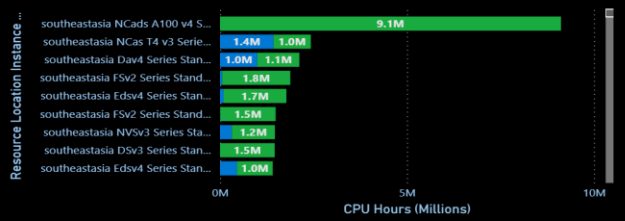
## Azure VM RI Coverage (Shared Recommendation)

Select Date Range: 4/1/2025 – 7/23/2025 | Subscription Name: All | Resource Group: All | EA Dept. / Org.: All

**This report shows the split between On-Demand and RI VM usage over the selected time period and provides recommendation for VM RI purchases at shared scope.**
Select the drill down filter to see the RI coverage for a particular Region, Flexibility group, SKU & Instance Size. More information on Reservations

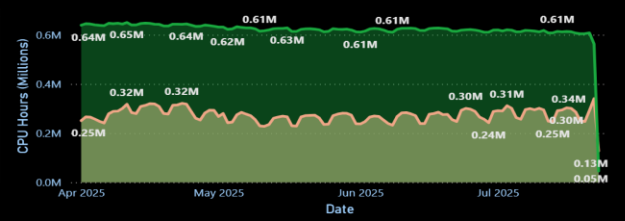
### Drill down filter for Instance Size & Flexi Group SKU

Usage Type: On Demand Usage, RI Usage




### Usage by On-demand and RI

Usage Type: On Demand Usage, RI Usage




### Recommendations for Shared Scope. These recommendations are calculated by evaluating your last 30 days of usage.

| Flexibility Group | Location | SKU | Recomd.Quantity | Normalized Size | Recomd.Qnty Normalized | Term | Scope | Cost-WithNoRI | Cost-WithRI | Net Sa |
|---|---|---|---|---|---|---|---|---|---|---|
| NVadsA10_v5 Linux | southeastasia | Standard_NV36ads_A10_v5 | 6.00 | Standard_NV6ads_A10_v5 | 36 | P3Y | Shared | 15,968.72 | 11,187.71 | 4 |
| MdSv2 Series 64 Disk | southeastasia | Standard_M64ds_v2 | 1.00 | Standard_M64ds_v2 | 1 | P3Y | Shared | 4,843.80 | 1,917.99 | 2 |
| NVadsA10_v5 Linux | southeastasia | Standard_NV12ads_A10_v5 | 15.00 | Standard_NV6ads_A10_v5 | 30 | P3Y | Shared | 9,723.78 | 7,665.37 | 2 |
| Edsv4 Series | southeastasia | Standard_E32ds_v4 | 3.00 | Standard_E2ds_v4 | 48 | P3Y | Shared | 7,220.59 | 5,462.23 | 1 |
| Dadsv5 Series | southeastasia | Standard_D4ads_v5 | 28.00 | Standard_D2ads_v5 | 56 | P3Y | Shared | 3,540.24 | 2,077.88 | 1 |
| Ddsv5 Series | southeastasia | Standard_D16ds_v5 | 6.00 | Standard_D2ds_v5 | 48 | P3Y | Shared | 3,289.72 | 1,831.74 | 1 |
| NVadsA10_v5 Linux | southeastasia | Standard_NV36ads_A10_v5 | 6.00 | Standard_NV6ads_A10_v5 | 36 | P1Y | Shared | 15,968.72 | 14,724.31 | 1 |
| Dadsv5 Series | southeastasia | Standard_D8ads_v5 | 11.00 | Standard_D2ads_v5 | 44 | P3Y | Shared | 3,120.24 | 2,041.11 | 1 |
| Dav4 Series | southeastasia | Standard_D8a_v4 | 28.00 | Standard_D2a_v4 | 112 | P3Y | Shared | 11,019.52 | 9,972.45 | 1 |
| NVadsA10_v5 Linux | southeastasia | Standard_NV36adms_A10_v5 | 1.00 | Standard_NV6ads_A10_v5 | 6 | P3Y | Shared | 3,507.02 | 2,475.63 | 1 |
| Edsv5 Series | southeastasia | Standard_E16-4ds_v5 | 4.00 | Standard_E2ds_v5 | 32 | P3Y | Shared | 7,051.36 | 6,063.74 | |
| Edsv5 Series | southeastasia | Standard_E16-8ds_v5 | 4.00 | Standard_E2ds_v5 | 32 | P3Y | Shared | 7,051.36 | 6,063.74 | |
| Edsv5 Series | southeastasia | Standard_E16ds_v5 | 4.00 | Standard_E2ds_v5 | 32 | P3Y | Shared | 7,051.36 | 6,063.74 | |
| Dadsv5 Series | southeastasia | Standard_D64ads_v5 | 1.00 | Standard_D2ads_v5 | 32 | P3Y | Shared | 2,069.85 | 1,109.02 | |
| Total | | | 434.00 | | 1845 | | | 193,133.74 | 146,373.27 | 46,7 |

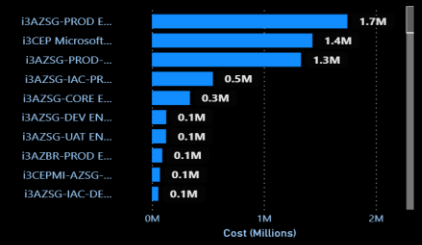
Select Scope Date Range: 3/8/2021 – 7/18/2025
Select Reservation Term: All

Net Savings 46.76K | Cost-WithRI 146.37K | Cost-WithNoRI 193.13K

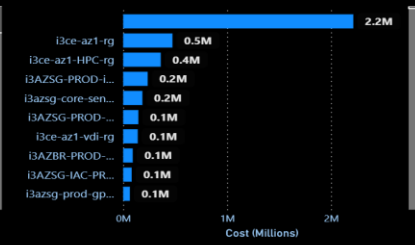
## Azure Service Consumption by Sub.'s, RG.'s & Service Types

Select Date Range: 6/1/2025 – 7/25/2025 | Subscription Name: All | Resource Group: All | EA Dept. / Org.: All

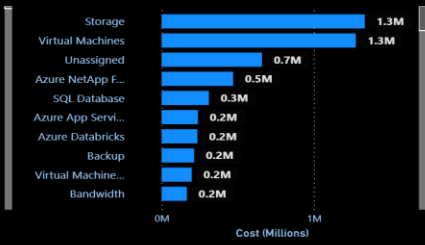
### Azure Service Consumption by Subscriptions




### Azure Service Consumption by Resource Groups

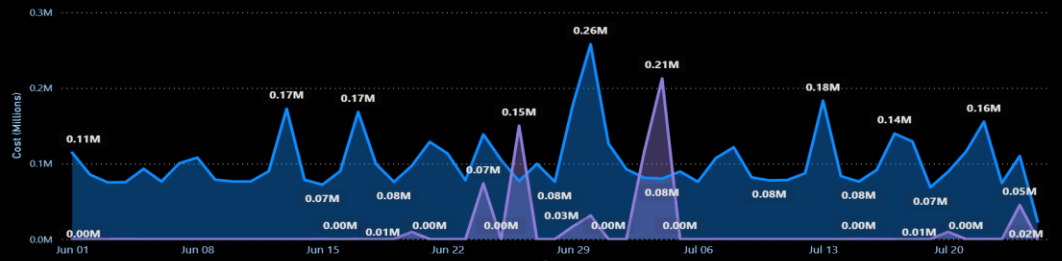



### Azure Service Consumption by Service Types




### Azure Service Consumption by Date

Publisher Type: Azure, Marketplace




**Azur Service Type**
☐ Azure ☐ Marketplace

Azure Overall 6.26M | Azure + RI Purchase 5.59M | Marketplace 666.75K | RI Purchase 3.32M

# Azure Service Operations Management

ASOM NoCode Innovation

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

Select Date Range: 4/1/2025 – 7/23/2025 | Resource Location: All | Subscription Name: All | Resource Group: All | EA Dept. / Org.: All

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

| Year | 2025 | | | | Total |
|---|---|---|---|---|---|
| EA Organization | April | May | June | July | Total |
| i3CEP-AZSG-(POD-1) | 2,890,541.88 | 2,190,294.21 | 2,276,370.09 | 1,911,768.68 | 9,268,974.86 | 9,268,974.86 |
| Unassigned | 752,677.99 | 771,750.24 | 917,285.13 | 510,971.91 | 2,952,685.27 | 2,952,685.27 |
| i3CEPMI | 143,931.21 | 145,172.61 | 145,297.22 | 105,214.64 | 539,615.68 | 539,615.68 |
| i3CEP-AZBR-(POD-5) | 52,107.13 | 53,718.63 | 50,124.84 | 39,110.47 | 195,061.06 | 195,061.06 |
| i3CEP-AZSCUS-(POD-6) | 82,737.74 | 50,303.15 | 19,580.87 | 14,495.58 | 167,117.34 | 167,117.34 |
| i3CEP-AZWEU-(POD-4) | 19,521.85 | 19,299.71 | 19,245.29 | 15,032.17 | 73,099.01 | 73,099.01 |
| I3CEPAP ENERGY | 5,719.67 | 5,897.02 | 6,090.29 | 4,690.63 | 22,397.60 | 22,397.60 |
| i3CEPVI | 2,467.46 | 2,531.46 | 2,429.17 | 1,805.48 | 9,233.58 | 9,233.58 |
| Total | 3,949,704.92 | 3,238,967.02 | 3,436,422.90 | 2,603,089.56 | 13,228,184.40 | 13,228,184.40 |

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

| Date | 6/24/2025 12:00:00 AM | | | | | | 6/25/2025 12:00:00 AM | | | | | | 6/26/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EA Organization | Count | Quantity | UOM | VCPUs | DataSize(GB) | Cost | Count | Quantity | UOM | VCPUs | DataSize(GB) | Cost | Count | Q |
| i3CEP-AZSG-(POD-1) | 72103 | 199,860,351.30 | 1 | 184867 | 41,742,535.44 | 142,614.78 | 71932 | 200,402,191.98 | 1 | 176748 | 41,819,944.15 | 94,598.43 | 64331 | 2 |
| Unassigned | 967 | 1,213,178.49 | 1 | 362 | 124,487.66 | 61,586.20 | 897 | 1,076,444.84 | 1 | 364 | 124,952.72 | 1,891.64 | 906 | |
| i3CEPMI | 4354 | 128,545.87 | 1 | 7190 | 1,022,508.66 | 4,874.81 | 4299 | 126,786.49 | 1 | 6602 | 1,023,913.71 | 4,816.78 | 4402 | |
| i3CEP-AZBR-(POD-5) | 3 | 15,200.82 | 1 GB | | 28,437.98 | 1,706.81 | 3 | 15,344.40 | 1 GB | | 28,575.09 | 1,723.62 | 3 | |
| i3CEP-AZWEU-(POD-4) | 45 | 12,326.54 | 1 GB | 8 | 27,955.86 | 680.67 | 45 | 12,311.72 | 1 GB | 12 | 27,951.17 | 680.06 | 45 | |
| i3CEP-AZSCUS-(POD-6) | 93 | 24,039.95 | 1 | 56 | 684,054.72 | 652.56 | 93 | 24,035.41 | 1 | 56 | 684,051.06 | 652.55 | 90 | |
| I3CEPAP ENERGY | 295 | 26,028.50 | 1 | 2478 | 16,775.56 | 212.91 | 293 | 27,320.60 | 1 | 446 | 16,805.64 | 205.40 | 293 | |
| i3CEPVI | 263 | 1,581.56 | 1 | 16 | 6.59 | 80.97 | 280 | 1,583.64 | 1 | 22 | 6.60 | 80.97 | 260 | |

**Capacity - Last Date**

- i3CEP — Billing Account Name
- 1111111 — Billing Account ID
- USD — Billing Currency
- 8 — EA Departments
- 14 — EA Accounts
- 74 — Subscriptions
- 2061 — Resource Groups
- 28 — Resource Locations
- 69 — Services
- 217 — Sub-Services
- 1281 — Products
- 2 — Publisher Types
- 11 — Publishers

Select Date Range: 4/1/2025 – 7/23/2025 | Resource Location: All | Subscription Name: All | Resource Group: All | EA Dept. / Org.: All

### Azure Services - Overall Consumption - MoM

| Year | 2025 | | | | Total |
|---|---|---|---|---|---|
| Service | April | May | June | July | Total |
| Virtual Machines | 950,690.12 | 895,328.94 | 865,588.32 | 367,573.08 | 3,079,180.48 | 3,079,180.48 |
| Storage | 688,886.78 | 704,928.94 | 741,482.04 | 549,315.63 | 2,684,613.40 | 2,684,613.40 |
| Unassigned | 783,238.08 | 145,732.01 | 120,511.30 | 493,816.35 | 1,543,297.74 | 1,543,297.74 |
| Azure NetApp Files | 249,420.53 | 274,400.56 | 253,561.25 | 198,578.53 | 975,960.87 | 975,960.87 |
| SQL Database | 169,054.48 | 171,607.61 | 167,693.81 | 135,094.37 | 643,450.27 | 643,450.27 |
| Azure App Service | 154,510.52 | 156,059.23 | 135,574.15 | 97,310.90 | 543,454.80 | 543,454.80 |
| Backup | 120,703.10 | 125,564.97 | 117,767.00 | 88,526.64 | 452,561.71 | 452,561.71 |
| Bandwidth | 109,394.09 | 92,459.78 | 89,343.75 | 71,327.38 | 362,525.01 | 362,525.01 |
| Virtual Machine Licenses | 47,824.00 | 47,824.00 | 197,824.00 | | 293,472.00 | 293,472.00 |
| Microsoft Defender for Cloud | 95,047.31 | 68,171.73 | 67,554.97 | 52,052.61 | 282,826.62 | 282,826.62 |
| Azure Synapse Analytics | 63,973.01 | 63,836.81 | 63,408.16 | 67,696.97 | 258,914.95 | 258,914.95 |
| Total | 3,949,704.92 | 3,238,967.02 | 3,436,422.90 | 2,603,089.56 | 13,228,184.40 | 13,228,184.40 |

### Azure Services - Overall Capacity Utilization (Last 1 Month)

| Date | 6/24/2025 12:00:00 AM | | | | | | 6/25/2025 12:00:00 AM | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Service | Count | Quantity | UOM | VCPUs | DataSize(GB) | Cost | Count | Quantity | UOM | VCPUs | DataSize(GB) |
| Virtual Machines | 10740 | 66,493.16 | 1 Hour | 186086 | 0.00 | 67,732.77 | 10499 | 66,584.85 | 1 Hour | 175795 | 0.00 |
| Storage | 31403 | 108,011,070.78 | 1 | | 34,826,677.35 | 24,702.45 | 31475 | 107,372,949.87 | 1 | | 34,906,812.36 |
| Unassigned | 15 | 1,446.92 | Unassigned | 37 | 0.00 | 73,790.35 | 14 | 1,680.00 | Unassigned | 35 | 0.00 |
| Azure NetApp Files | 14 | 57,974,784.00 | 1 GiB/Hour | | 2,415,616.00 | 8,543.97 | 14 | 57,974,784.00 | 1 GiB/Hour | | 2,415,616.00 |
| Virtual Machine Licenses | | | | | | | | | | | |
| SQL Database | 1145 | 50,617.95 | 1 GB/Month | | 128,549.44 | 4,041.61 | 1145 | 50,532.62 | 1 GB/Month | | 126,614.55 |
| Azure Databricks | 28 | 14,283.21 | 1 Hour | | 0.00 | 5,393.45 | 30 | 11,952.74 | 1 Hour | | 0.00 |
| Azure App Service | 3024 | 16,282.13 | 1 Hour | | 0.00 | 3,546.94 | 3021 | 16,271.06 | 1 Hour | | 0.00 |
| Backup | 458 | 128,481.57 | 1 GB/Month | | 3,904,694.02 | 3,910.18 | 459 | 128,658.84 | 1 GB/Month | | 3,910,085.47 |
| Bandwidth | 10004 | 41,055.67 | 1 GB | | 41,055.67 | 2,881.02 | 9940 | 33,952.83 | 1 GB | | 33,952.83 |
| Azure Synapse Analytics | 11 | 1,667.58 | 1 Hour | | 76,407.94 | 63.64 | 11 | 1,667.38 | 1 Hour | | 76,898.52 |

**Capacity - Last Date**

- Microsoft Defender for Serve... — 4767 Count | Capacity
- 0.00 DataSize(GB)
- (Blank) VCPUs
- Rtn Preference: MGN - Stand... — 4301 Count | Capacity
- 2,498.64 DataSize(GB)
- (Blank) VCPUs
- Virtual Network Peering - Int... — 4035 Count | Capacity
- 4,743.55 DataSize(GB)
- (Blank) VCPUs
- Virtual Network Peering - Int... — 4035 Count | Capacity
- 18,148.29 DataSize(GB)

Select Date Range: 4/1/2025 – 7/23/2025 | Resource Location: All | Subscription Name: All | Resource Group: All | EA Dept. / Org.: All

### Azure Services - Subscription Wise Consumption - MoM

| Year | 2025 | | | | Total |
|---|---|---|---|---|---|
| Subscription | April | May | June | July | Total |
| i3AZSG-PROD ENi3CVIRONMENT | 1,389,744.50 | 712,428.26 | 787,565.98 | 869,076.97 | 3,758,815.71 | 3,758,815.71 |
| i3CEP Microsoft Azure Enterprise | 734,141.33 | 754,433.74 | 900,281.57 | 499,969.02 | 2,888,825.66 | 2,888,825.66 |
| i3AZSG-PROD-GC ENi3CVIRONMENT | 776,347.60 | 790,396.04 | 784,083.42 | 512,569.47 | 2,863,396.53 | 2,863,396.53 |
| i3AZSG-IAC-PROD ENi3CVIRONMENT | 293,579.50 | 299,239.13 | 301,859.64 | 225,546.82 | 1,120,225.10 | 1,120,225.10 |
| i3AZSG-CORE ENi3CVIRONMENT | 180,446.27 | 185,873.18 | 190,272.71 | 137,518.14 | 694,110.30 | 694,110.30 |
| i3AZSG-UAT ENi3CVIRONMENT | 94,524.41 | 66,058.50 | 68,534.23 | 52,826.39 | 281,943.53 | 281,943.53 |
| i3AZSG-DEV ENi3CVIRONMENT | 72,061.00 | 62,380.87 | 69,626.82 | 53,995.16 | 258,063.85 | 258,063.85 |
| i3AZBR-PROD ENi3CVIRONMENT | 52,107.13 | 53,718.63 | 50,124.84 | 39,110.47 | 195,061.06 | 195,061.06 |
| i3AZSCUS-PROD ENi3CVIRONMENT | 80,591.60 | 48,085.23 | 17,463.56 | 12,907.61 | 159,048.00 | 159,048.00 |
| i3CEPMI-AZSG-PROD-ENV | 39,675.17 | 40,341.42 | 40,528.22 | 28,962.88 | 149,507.68 | 149,507.68 |
| i3AZSG-IAC-DEV ENi3CVIRONMENT | 33,782.52 | 28,065.64 | 29,404.68 | 25,482.00 | 116,734.84 | 116,734.84 |
| Total | 3,949,704.92 | 3,238,967.02 | 3,436,422.90 | 2,603,089.56 | 13,228,184.40 | 13,228,184.40 |

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

| Date | 6/24/2025 12:00:00 AM | | | | | | 6/25/2025 12:00:00 AM | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subscription | Count | Quantity | UOM | VCPUs | DataSize(GB) | Cost | Count | Quantity | UOM | VCPUs | DataSize(GB) | C |
| i3AZSG-PROD ENi3CVIRONMENT | 47168 | 2,145,895.45 | 1 | 100822 | 16,654,876.50 | 98,641.54 | 47603 | 2,157,862.51 | 1 | 93372 | 16,706,735.64 | 2 |
| i3CEP Microsoft Azure Enterprise | 301 | 62,440.98 | 1 | 88 | 24,442.76 | 61,048.58 | 246 | 62,421.25 | 1 | 90 | 24,424.62 | |
| i3AZSG-PROD-GC ENi3CVIRONMENT | 2238 | 164,053,827.16 | 1 | 34929 | 15,775,733.97 | 19,512.85 | 2111 | 163,400,752.49 | 1 | 37682 | 15,764,701.38 | 4 |
| i3AZSG-IAC-PROD ENi3CVIRONMENT | 4513 | 14,802,335.84 | 1 | 13861 | 6,717,839.44 | 10,418.94 | 4499 | 14,922,504.62 | 1 | 14091 | 6,761,293.11 | 1 |
| i3AZSG-CORE ENi3CVIRONMENT | 6382 | 606,807.95 | 1 | 2346 | 1,981,810.20 | 6,136.91 | 6374 | 605,469.82 | 1 | 3076 | 1,979,350.98 | |
| i3AZSG-DEV ENi3CVIRONMENT | 4278 | 924,086.29 | 1 | 16576 | 250,405.09 | 2,838.38 | 3798 | 945,193.97 | 1 | 13118 | 245,454.44 | |
| i3AZSG-UAT ENi3CVIRONMENT | 3324 | 111,980.50 | 1 | 8756 | 263,342.78 | 2,357.13 | 3290 | 115,373.85 | 1 | 7628 | 263,840.44 | |
| i3AZBR-PROD ENi3CVIRONMENT | 3 | 15,200.82 | 1 GB | | 28,437.98 | 1,706.81 | 3 | 15,344.40 | 1 GB | | 28,575.09 | |
| i3CEPMI-AZSG-PROD-ENV | 1711 | 39,773.83 | 1 | 2556 | 239,633.34 | 1,385.80 | 1662 | 38,402.38 | 1 | 2292 | 240,206.02 | |
| i3AZSG-IAC-DEV ENi3CVIRONMENT | 1862 | 6,528,029.13 | 1 | 2976 | 34,090.70 | 1,062.15 | 1930 | 7,761,378.79 | 1 | 2980 | 34,165.29 | |
| i3CEPMI-i3CMH-AZSG-PROD-ENV | 441 | 15,330.78 | 1 | 650 | 108,109.41 | 1,000.07 | 441 | 15,366.03 | 1 | 588 | 108,203.11 | |

**Capacity - Last Date**

- Microsoft Defender for Serve... — 4767 Count | Capacity
- 0.00 DataSize(GB)
- (Blank) VCPUs
- Rtn Preference: MGN - Stand... — 4301 Count | Capacity
- 2,498.64 DataSize(GB)
- (Blank) VCPUs
- Virtual Network Peering - Int... — 4035 Count | Capacity
- 4,743.55 DataSize(GB)
- (Blank) VCPUs
- Virtual Network Peering - Int... — 4035 Count | Capacity
- 18,148.29 DataSize(GB)

Select Date Range: 4/1/2025 – 7/23/2025 | Resource Location: All | Subscription Name: All | Resource Group: All | EA Dept. / Org.: All

### Azure Services - Overall VM License Consumption - MoM

| Year | 2025 | | | | Total |
|---|---|---|---|---|---|
| Service | April | May | June | July | Total |
| Virtual Machines Licenses | 29,565.25 | 30,627.87 | 29,488.96 | 21,934.63 | 111,616.70 | 111,616.70 |
| SQL Server Enterprise | 12,226.58 | 12,578.98 | 11,250.23 | 8,231.88 | 44,287.67 | 44,287.67 |
| Red Hat Enterprise Linux | 8,144.16 | 8,007.65 | 7,292.19 | 5,639.18 | 29,083.18 | 29,083.18 |
| Windows Server | 6,208.26 | 7,014.03 | 8,186.22 | 6,026.54 | 27,435.05 | 27,435.05 |
| BizTalk Server Enterprise | 2,237.58 | 2,312.17 | 2,207.34 | 1,646.26 | 8,403.35 | 8,403.35 |
| SQL Server Standard | 430.67 | 433.17 | 267.28 | 160.15 | 1,291.26 | 1,291.26 |
| Ubuntu Advantage | 309.51 | 264.86 | 252.72 | 191.38 | 1,018.47 | 1,018.47 |
| Windows Server Burst | 8.50 | 17.01 | 32.98 | 39.23 | 97.71 | 97.71 |
| SQL Server Azure Hybrid Benefit | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SQL Server Developer Edition | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SQL Server Express Edition | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 29,565.25 | 30,627.87 | 29,488.96 | 21,934.63 | 111,616.70 | 111,616.70 |

### Azure Services - Overall VM License Capacity Utilization (Last 1 Month)

| Date | 6/24/2025 12:00:00 AM | | | | | 6/25/2025 12:00:00 AM | | | | | 6/26/2025 12:00:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Service | Count | Usage | UOM | VCPUs | Cost | Count | Usage | UOM | VCPUs | Cost | Count | Usage | UOM | VCPUs |
| Virtual Machines Licenses | | | | | | | | | | | | | | |
| SQL Server Enterprise | 8 | 191.90 | 1 Hour | 72 | 367.92 | 8 | 192.00 | 1 Hour | 70 | 367.92 | 8 | 192.00 | 1 Hour | 66 |
| Windows Server | 66 | 1,501.93 | 1 Hour | 829 | 283.25 | 64 | 1,497.12 | 1 Hour | 749 | 263.85 | 66 | 1,482.25 | 1 Hour | 783 |
| Red Hat Enterprise Linux | 191 | 4,332.37 | 1 Hour | 2028 | 249.17 | 191 | 4,387.77 | 1 Hour | 1910 | 253.40 | 187 | 4,334.15 | 1 Hour | 1746 |
| BizTalk Server Enterprise | 2 | 48.00 | 1 Hour | 4 | 73.58 | 2 | 48.00 | 1 Hour | 4 | 73.58 | 2 | 48.00 | 1 Hour | 4 |
| Ubuntu Advantage | 63 | 1,309.02 | 1 Hour | 1284 | 8.64 | 59 | 1,316.20 | 1 Hour | 1360 | 8.69 | 62 | 1,334.65 | 1 Hour | 1384 |
| SQL Server Standard | 1 | 24.00 | 1 Hour | 4 | 7.01 | 1 | 23.97 | 1 Hour | 8 | 7.00 | 1 | 24.00 | 1 Hour | 4 |
| Windows Server Burst | 11 | 214.75 | 1 Hour | 55 | 0.91 | 11 | 262.95 | 1 Hour | 61 | 0.90 | 11 | 211.98 | 1 Hour | 33 |
| SQL Server Azure Hybrid Benefit | 318 | 7,263.68 | 1 Hour | 3774 | 0.00 | 318 | 7,630.30 | 1 Hour | 3462 | 0.00 | 318 | 7,289.43 | 1 Hour | 3466 |
| SQL Server Developer Edition | 8 | 190.98 | 1 Hour | 72 | 0.00 | 8 | 192.00 | 1 Hour | 64 | 0.00 | 8 | 192.00 | 1 Hour | 64 |
| SQL Server Express Edition | 38 | 905.85 | 1 Hour | 318 | 0.00 | 38 | 911.90 | 1 Hour | 382 | 0.00 | 38 | 911.98 | 1 Hour | 296 |

**Capacity - Last Date**

- SQL Server Azure Hybrid Be... — 201 Count | Capacity
- 2684 VCPUs
- SQL Server Azure Hybrid Be... — 133 Count | Capacity
- 912 VCPUs
- Red Hat Enterprise Linux - 1... — 115 Count | Capacity
- 377 VCPUs
- Red Hat Enterprise Linux - 5... — 80 Count | Capacity
- 1488 VCPUs
- Ubuntu Advantage - Essentia... — 59 Count | Capacity
- 704 VCPUs

# Azure Service Operations Management

## ➢ Azure Cost | Capacity | Optimization Management (**ACOM**) |

- **Implementation Guide**:
  - "ACOM-Advanced Insights (PDQ)" is the Frontend Power BI Template App for "ACOM-Advanced Insights | Azure Cost-Capacity-Optimization Management" Service, listed as a "**Contact Me**" offer in Microsoft Azure Marketplace and AppSource
    - Azure Marketplace - ACOM-Advanced Insights | Azure Cost-Capacity-Optimization Management - Azure Marketplace
    - AppSource - ACOM-Advanced Insights | Azure Cost-Capacity-Optimization Management - AppSource
  - As a Pre-requisite, the Service must first be Initiated & Agreed upon, click on the "**Contact Me**" radio button and Submit a request
    - Post an established Service Contract Agreement, the Backend Data Connect Service will be initiated & configured in the Customers Power BI Tenant
    - An "App installer link" for "ACOM-Advanced Insights (PDQ)" App will be shared for installing the Frontend App in the Customers Power BI Tenant
    - You will see a dialogue box "Install this Power BI app?" with an error message "This app hasn't been listed on AppSource." → Proceed to Install the App
    - Installation of the App will start, after a while you will see a dialogue box "Your new app is ready!", App - "ACOM-Advanced Insights (PDQ)" has been successfully installed" → click on "Go to app"
    - You can either click on the "Go to app" or go to the "Apps" section of the Power BI online service → click on the newly installed App - "ACOM-Advanced Insights (PDQ)"
    - The App will open and will display a message as "You have to connect to your own data to view this report" & a "Connect" radio button
    - Click on the "Connect" radio button → this will open a dialogue box "Connect to ACOM-Advanced Insights (PDQ)" → click "Next"
    - Clicking "Next" will move to "You are connecting to" section within the same dialogue box → select "Authentication method" as "OAUTH2" → "Privacy level setting for this data source" as "None" → click on "Sign in and connect"
    - Clicking on "Sign in and connect" → will open a dialogue box "Pick an account" → select the same account that you have already singed into your Power BI online service
    - All the Pre-Fabricated Dashboard Reports will now be auto populated with the Cost-Capacity-Optimization Telemetry data
    - The ACOM-Advanced Insights (PDQ)" App can now be shared to relevant Users with defined RBAC
- **Support:**
  - For Support related Issues / Feedback, go to - https://upladders.in/contact-us/
  - Or send a email with details to sadmin@i3ce.com & sanjay.gera@upladders.in

i3CEP NoCode Innovation

Azure Service Operations Management ASOM NoCode Innovation

Azure Service Delivery Management ASDM NoCode Innovation

|sanjay.gera@upladders.in

|sadmin@i3ce.com

Azure Cost | Capacity | Optimization Management (**ACOM**)