



[Azure Service Operations Management](#)



[Azure Service Delivery Management](#)



NoCode Innovation Cloud Excellence (NICE)

| A Sneak Peek into a Series of Bespoke Services

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

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

| Primary focus on Customers Service Management

| Service Readiness |

- | OTB (Out-of-The-Box) | Ready-to-Deploy
- | Co-BOLT (Co-Build, Operate, Lease, Transfer)

| Service Deployment Options |

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

□ WHY

- To deliver NoCode Innovative Customer centric Solutions
 - Inclusive Design with Sensible Intelligence (SI – Practical | Reasonable | Rational)
- Relative Ease of Deployments | Operations – Reliable, Efficient, Scalable & Sustainable
 - Customized | Reusable | OTB (Out-of-The-Box) | Ready-to-Deploy
- No specific Tech Skills | No Codes / Code Repositories
 - No Code or API/KQL quires to be developed

□ How



Azure Service Operations Management

| Service Solution (ASOM) | Framework | Design | Solution Stage | Maturity | Readiness |
|--|-----------|--------|----------------|----------|--|
| Azure Cost, Capacity, Optimization Management (ACOM) | 100% | 100% | 100% | 100% | OTB (Out-of-The-Box) Ready-to-Deploy |
| End-to-End Business Service Monitoring (E2E BSM) | 90% | 90% | 15% | 65% | Co-BOLT (Co-Build, Operate, Lease, Transfer) |



Azure Service Delivery Management

| Service Solution (ASDM) | Framework | Design | Solution Stage | Maturity | Readiness |
|--|-----------|--------|----------------|----------|--|
| NoCode Infrastructure Ops (NCIO) | 90% | 80% | 20% | 63% | Co-BOLT (Co-Build, Operate, Lease, Transfer) |
| Global Data Movement Framework (GDMF) | 100% | 100% | 60% | 86% | Co-BOLT (Co-Build, Operate, Lease, Transfer) |
| Mobile Multi Access Azure Service - Hybrid (MAS-H) | 90% | 80% | 20% | 63% | Co-BOLT (Co-Build, Operate, Lease, Transfer) |

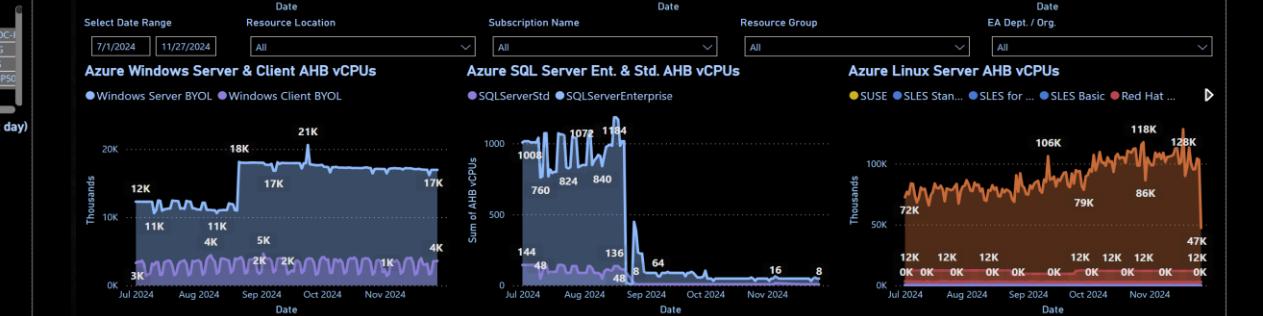
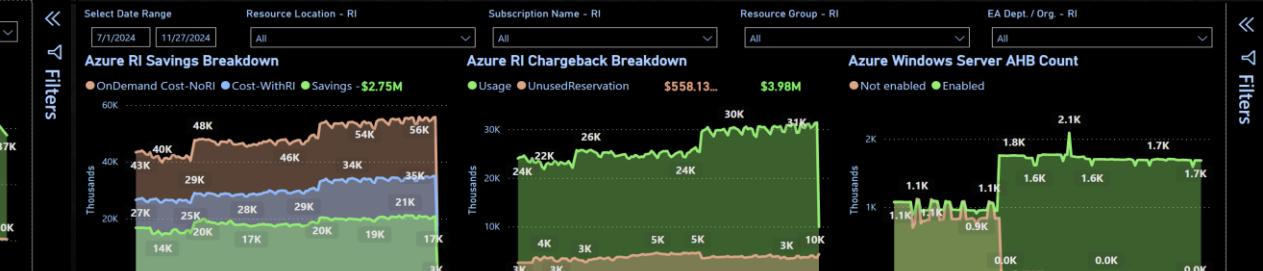
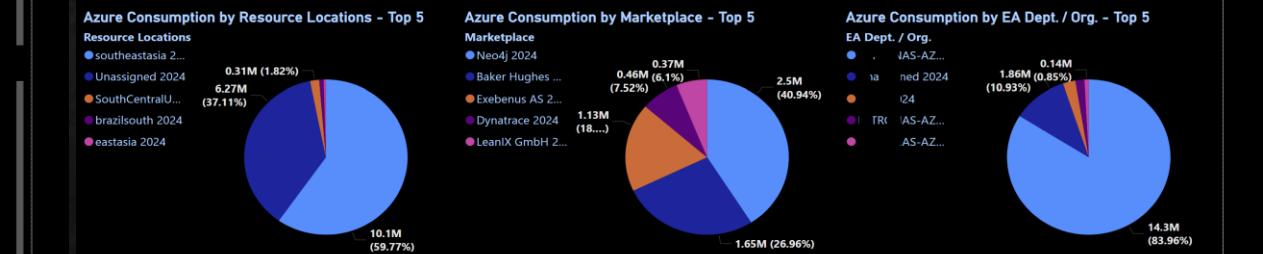
➤ Bespoke Service-1 -|- Azure Cost | Capacity | Optimization Management (**ACOM**) |

- 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 i3CEP | 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](#)

Readiness

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

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



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

| Azure Reservation Details, Savings & Chargeback | Reservation Name | Select Date Range | Subscription Name | Resource Group | EA Dept. / Org. |
|--|---|---|--------------------|---------------------|--------------------|
| | All | 7/1/2024 - 11/27/2024 | All | All | 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. <i>OnDemandCost - No RI</i> is calculated using your on-demand cost rate. This provides a calculation of what your cost would have been without RI. | | | | | |
| 2. <i>UnusedReservation</i> is the monetary value of RI underutilization and is subtracted from Total Savings | | | | | |
| Azure Reservation Details & Savings - Flat Table | Subscription Name | Resource Group | Resource Name | OnDemand Cost-NoRI | Cost-WithRI |
| Reservation Name | Subscription Name | Resource Group | Resource Name | OnDemand Cost-NoRI | Cost-WithRI |
| SQLDW_RI_03-22-2022_11-20 | AZSG-PROD ENVIRONMENT | AZSG-PROD-TALEND-EDH-RG | sg-1edh-sqldw-svr | 245,828.35 | 116,195.0 |
| SQLDW_RI_03-22-2022_11-20 | AZSG-PROD ENVIRONMENT | AZSG-PROD-CQLPDB-RG | sg-1edl-sqldw-svr | 71,004.49 | 33,561.5 |
| VM_RI_01-17-2024_14-07 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_460f5741 | 46,160.83 | 19,582.0 |
| VM_RI_07-29-2024_20-30 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_abd89e14 | 40,269.79 | 17,099.5 |
| VM_RI_07-29-2024_20-30 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_b3f5733a | 39,997.56 | 16,983.7 |
| VM_RI_07-29-2024_20-30 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_ac16e13e | 39,987.43 | 16,979.5 |
| VM_RI_07-29-2024_20-30 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_8f0c4f60 | 39,816.22 | 16,906.7 |
| VM_RI_07-29-2024_20-30 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_e6d4ee42e | 39,784.90 | 16,893.4 |
| VM_RI_07-29-2024_20-30 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_c1e7e011 | 39,743.69 | 16,875.5 |
| VM_RI_07-29-2024_20-30 | AZSG-PROD-OC ENVIRONMENT | 00NC96V4 GROUP | 00NC96v4_c2d81ed3 | 39,574.84 | 16,804.2 |
| Total | | | | 7,286,230.96 | 4,538,703.7 |
| Total Savings | | | | | |
| \$2.75M | | | | | |
| Cost-WithRI | | | | | |
| \$4.54M | | | | | |
| OnDemandCost-NoRI | | | | | |
| \$7.29M | | | | | |
| Reservation Charge Type | Report this 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. | | | |

| Azure Reservation Details & Savings - Hierarchical Table | | | | | | | | |
|--|----------|---------------------|-------------------|------------------|----------|---------------------|-------------------|------------------|
| Year | 2024 | | | | | | | |
| Month | July | | | August | | | | |
| Reservation Name | OnDemand | Cost-NoRI | Cost-WithRI | Savings | OnDemand | Cost-NoRI | Cost-WithRI | Savings |
| VM_RI_01-17-2024_14-06 | | 175,200.10 | 66,709.43 | 108490.67 | | 175,199.29 | 66,709.43 | 108489.86 |
| VM_RI_07-29-2024_20-30 | | 16,108.20 | 6,339.86 | 9,268.34 | | 199,741.44 | 48,814.26 | 114,927.19 |
| SQLDW_RI_03-22-2022_11-20 | | 75,712.42 | 35,786.78 | 39925.64 | | 75,712.42 | 35,786.78 | 39925.64 |
| VM_RI_01-17-2024_14-07 | | 63,076.32 | 26,759.01 | 36317.31 | | 63,076.32 | 26,759.01 | 36317.31 |
| VM_RI_09-25-2024_14-32 | | | | | | 2,402.10 | 1,019.98 | 1382.12 |
| VM_RI_08-30-2024_22-35 | | | | | | | | |
| SQLDW_RI_11-01-2022_15-29 | | 31,878.91 | 15,068.12 | 16810.79 | | 31,878.91 | 15,068.12 | 16810.79 |
| EDHDatabricks_Plan_05-31-2023_11-08 | | 131,637.42 | 117,406.34 | 14231.07 | | 118,475.50 | 105,667.34 | 12808.16 |
| Total | | 1,313,084.28 | 823,457.34 | 489626.94 | | 1,448,565.97 | 881,734.66 | 566831.31 |

Azure VM RI Coverage (Shared Recommendation)

Select Date Range: 7/1/2024 - 11/27/2024

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 Region, Flexi group, SKU & Instance size

Usage Type: ● On Demand Usage ● RI Usage

Resource Location Instance:

| Region | Instance Type | On Demand Usage (M) | RI Usage (M) |
|---------------|----------------------|---------------------|--------------|
| southeastasia | NCads A100 v4 S... | 3.2M | 8.7M |
| southeastasia | FSv2 Series Stand... | 1.7M | 2.3M |
| southeastasia | DaV4 Series Stan... | 2.9M | 1.1M |
| southeastasia | NCas T4 v3 Serie... | 2.4M | 1.1M |
| southeastasia | Edsv4 Series Stan... | 2.7M | 1.1M |
| southeastasia | DSv3 Series Stan... | 2.4M | 1.1M |
| southeastasia | FSv2 Series Stand... | 1.8M | 1.1M |
| southeastasia | NVsv3 Series Sta... | 1.4M | 1.1M |
| southeastasia | Easv4 Series Stan... | 1.1M | 1.1M |

Usage by On-demand and RI

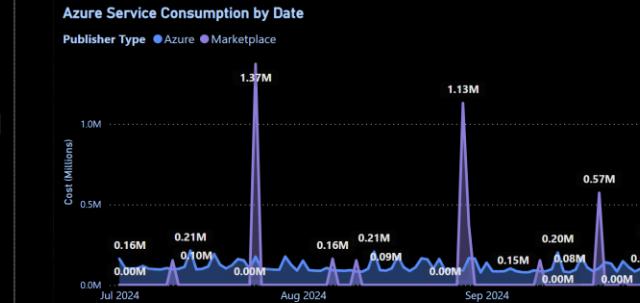
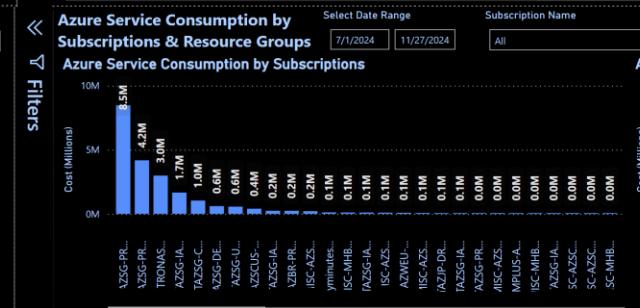
Usage Type: ● On Demand Usage ● RI Usage

| Date | On Demand Usage (M) | RI Usage (M) |
|----------|---------------------|--------------|
| Jul 2024 | 0.62M | 0.64M |
| Aug 2024 | 0.51M | 0.63M |
| Sep 2024 | 0.52M | 0.59M |
| Oct 2024 | 0.47M | 0.57M |
| Nov 2024 | 0.34M | 0.55M |
| Jul 2024 | 0.49M | 0.55M |
| Aug 2024 | 0.50M | 0.55M |
| Sep 2024 | 0.40M | 0.55M |
| Oct 2024 | 0.26M | 0.68M |
| Nov 2024 | 0.21M | 0.69M |

| Recommendations for Shared Scope. These recommendations are calculated by evaluating your last 30 days of usage. | | | | | | | | | | |
|--|---------------|-----------------------|------------------|----------------------|------------------------|------|--------|---------------|-------------|-------------|
| Flexibility Group | Location | SKU | Recomm. Quantity | Normalized Size | Recomm.Qnty Normalized | Term | Scope | Cost-WithNorI | Cost-WithRI | Net Savings |
| NVv3 Series | southcentral | Standard_Nv24s_v3 | 9.00 | Standard_NV12s_v5 | 18.99 | P3Y | Shared | 12,866.85 | 7,649.22 | \$5,217.63 |
| E5dv5 Series | southeastAsia | Standard_E16-4dvs_v5 | 10.00 | Standard_E2ds_v5 | 80.99 | P3Y | Shared | 6,826.80 | 3,734.44 | 3,094.36 |
| E5ds5 Series | southeastAsia | Standard_E16-8dvs_v5 | 10.00 | Standard_E2ds_v5 | 80.99 | P3Y | Shared | 6,826.80 | 3,734.44 | 3,094.36 |
| E5ds5 Series | southeastAsia | Standard_E16ds_v5 | 10.00 | Standard_E2ds_v5 | 80.99 | P3Y | Shared | 6,826.80 | 3,734.44 | 3,094.36 |
| D4v5 Series | southeastAsia | Standard_D16s_v4 | 58.00 | Standard_D24s_v4 | 232.99 | P3Y | Shared | 36,205.37 | 22,397.23 | 3,808.14 |
| NC4s T4 v3 Series | southeastAsia | Standard_NC16as_T4_v3 | 8.00 | Standard_NC4as_T4_v3 | 32.99 | P3Y | Shared | 26,450.40 | 23,642.94 | 2,807.46 |
| Eas4v4 Series | southeastAsia | Standard_E16as_v4 | 6.00 | Standard_E24s_v4 | 48.99 | P3Y | Shared | 4,240.69 | 2,433.59 | 1,807.10 |
| NVv3 Series | southcentral | Standard_NV24s_v3 | 9.00 | Standard_NV12s_v5 | 18.99 | P1Y | Shared | 12,866.85 | 11,126.03 | 1,740.82 |
| NVv3 Series | southcentral | Standard_NV12s_v3 | 6.00 | Standard_NV12s_v5 | 6.99 | P3Y | Shared | 4,285.67 | 2,546.69 | 1,736.98 |
| FSv2 Series | southeastAsia | Standard_F8s_v2 | 17.00 | Standard_F24s_v2 | 68.99 | P3Y | Shared | 3,637.25 | 2,178.38 | 1,458.87 |
| D4v5 Series | southeastAsia | Standard_D32s_v5 | 3.00 | Standard_D24s_v5 | 48.99 | P3Y | Shared | 3,140.63 | 1,911.24 | 1,229.39 |
| FSv2 Series | southeastAsia | Standard_F32x2_v2 | 4.00 | Standard_F24s_v2 | 64.99 | P3Y | Shared | 2,807.91 | 1,597.58 | 1,210.33 |
| Eas4v4 Series | southeastAsia | Standard_E16-8Bbs_v4 | 5.00 | Standard_E24s_v4 | 40.99 | P3Y | Shared | 2,947.40 | 1,856.18 | 1,191.22 |
| Total: | | | 706.00 | | 3,656.00 | | | 365,788.31 | 289,751.71 | 75,980.60 |



| Azure RI Purchases Over Selected Time Period - Hierarchical Table | | | | | | | | | | July 17, 2024 \$65,513.92 amount |
|---|-----------|----------|------------|-----------|----------|------------|-----------|----------|------------|--|
| Year | 2024 | | | | | | | | | July 17, 2024 \$65,513.92 amount |
| Month | July | | | August | | | September | | | August 17, 2024 \$65,513.92 amount |
| Reservation Order Name | Cost Type | Quantity | Amount | Cost Type | Quantity | Amount | Cost Type | Quantity | Amount | September 17, 2024 \$65,513.92 amount |
| VM_RI_07-29-2024_20-30 | Purchase | 19.00 | 83,218.29 | Purchase | 19.00 | 83,218.29 | Purchase | 19.00 | 83,218.29 | October 17, 2024 \$65,513.92 amount |
| VM_RI_01-17-2024_14-06 | Purchase | 34.00 | 65,513.92 | Purchase | 34.00 | 65,513.92 | Purchase | 34.00 | 65,513.92 | RI Cost Type |
| SQLDW_RI_03-22-2022_11-20 | Purchase | 76.00 | 35,145.44 | Purchase | 76.00 | 35,145.44 | Purchase | 76.00 | 35,145.44 | |
| VM_RI_01-17-2024_14-07 | Purchase | 6.00 | 26,279.46 | Purchase | 6.00 | 26,279.46 | Purchase | 6.00 | 26,279.46 | Purchase |
| SQLDW_RI_09-13-2023_08-30 | Purchase | 49.00 | 22,659.56 | Purchase | 49.00 | 22,659.56 | Purchase | 52.00 | 21,827.20 | Refund |
| SQLDW_RI_07-13-2022_11-33 | Purchase | 353.00 | 21,420.00 | Purchase | 353.00 | 21,420.00 | Purchase | 353.00 | 21,420.00 | Refund |
| VM_RI_09-30-2024_11-57 | | | | | | | | | | |
| VM_RI_09-25-2024_14-32 | | | | | | | | | | Refund |
| SQLDW_RI_11-01-2022_15-29 | Purchase | 32.00 | 14,798.08 | Purchase | 32.00 | 14,798.08 | Purchase | 32.00 | 14,798.08 | |
| AzureFiles_RI_09-12-2023_09-55 | Purchase | 2.00 | 14,204.93 | Purchase | 2.00 | 14,204.93 | Purchase | 2.00 | 14,204.93 | Refund |
| VM_RI_08-30-2024_22-35 | | | | | | | | | | |
| SQLDW_RI_11-01-2022_15-31 | Purchase | 193.00 | 11,662.00 | Purchase | 193.00 | 11,662.00 | Purchase | 193.00 | 11,662.00 | Refund |
| Total | Purchase | 3,819.00 | 703,707.51 | Purchase | 3,692.00 | 723,433.29 | Purchase | 4,423.00 | 852,424.42 | Refund |



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 | All | All | All | | |
| Azure Services - EA Department-Account-Subscription Wise Consumption - MoM | | | | | | | | | | |
| Year | 2024 | | | | | | | | | Total |
| EA Department Name | July | August | September | October | November | Total | | | | |
| 1-AZSG-(POD-1) | 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 | | | |
| .. | 135,385.77 | 145,325.26 | 149,462.58 | 157,240.64 | 130,786.35 | 718,200.60 | 718,200.60 | | | |
| 2-AZSCUS-(POD-6) | 107,501.16 | 97,036.45 | 95,874.90 | 91,403.68 | 85,665.73 | 477,481.92 | 477,481.92 | | | |
| AZBR-(POD-5) | 46,818.18 | 48,706.83 | 50,607.85 | 51,289.98 | 45,651.40 | 243,074.25 | 243,074.25 | | | |
| 3-AZWEU-(POD-4) | 19,142.92 | 19,077.68 | 16,815.32 | 19,037.51 | 16,168.73 | 90,242.15 | 90,242.15 | | | |
| ENERGY | 6,426.04 | 6,081.36 | 5,588.03 | 6,018.53 | 5,162.27 | 29,276.23 | 29,276.23 | | | |
| .. | 2,541.47 | 2,534.02 | 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 | | | |

| Select Date Range | | Resource Location | | Subscription Name | | Resource Group | | EA Dept. / Org. | | |
|---|--------------|-------------------|--------------|-------------------|--------------|----------------|---------------|-----------------|--|--------------|
| 7/1/2024 | 11/27/2024 | All | All | All | All | All | All | All | | |
| Azure Services - Overall Consumption - MoM | | | | | | | | | | |
| Year | 2024 | | | | | | | | | Total |
| Service | July | August | September | October | November | Total | | | | |
| Unassigned | 1,526,478.92 | 1,818,984.97 | 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 | 198,935.97 | 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 | 106,329.89 | 577,046.85 | 577,046.85 | | | |
| Bandwidth | 99,543.18 | 102,357.45 | 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 | 64,569.37 | 171,094.38 | 14,257.14 | 16,417.46 | 14,303.72 | 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 | | | |

| Select Date Range | | Resource Location | | Subscription Name | | Resource Group | | EA Dept. / Org. | | | | | | |
|---|------------------------|-------------------|--------------|-------------------|---------------|------------------------|---------------|-----------------|-----------|--------|---------------|------------|--------|--|
| 7/1/2024 | 11/27/2024 | All | All | All | All | All | All | All | | | | | | |
| 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 | | | | | | | | |
| EA Department Name | Count | Quantity | UOM | VCPUs | DataSize(GB) | Cost | Count | Quantity | UOM | | | | | |
| 1-AZSG-(POD-1) | 78586 | 185,697,527.17 | 1 | 235899 | 28,877,051.35 | 172,151.71 | 67003 | 185,746,909.91 | 2 | 219149 | 28,144,686.76 | 87,142.02 | 71 | |
| Unassigned | 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 | 3 | |
| .. | 3516 | 105,712.27 | 1 | 7338 | 861,326.54 | 5,085.55 | 3485 | 109,885.28 | 1 | 6762 | 867,651.36 | 5,106.40 | 3 | |
| 2-AZSCUS-(POD-6) | 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 | | |
| AZBR-(POD-5) | 3 | 15,243.79 | 1 | 1 GB | 27,349.12 | 1,701.03 | 3 | 15,167.35 | 1 | 1 GB | 27,282.53 | 1,691.92 | | |
| 3-AZWEU-(POD-4) | 43 | 12,859.41 | 1 | GB | 28 | 27,178.64 | 694.15 | 41 | 12,810.65 | 1 | 32 | 27,036.91 | 690.12 | |
| ENERGY | 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 | | |
| 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 | | | | | | | |

| Select Date Range | | Resource Location | | Subscription Name | | Resource Group | | EA Dept. / Org. | | | | |
|---|------------------------|-------------------|--------------|-------------------|---------------|------------------------|---------------|-----------------|-------------|--------|--------------|--|
| 7/1/2024 | 11/27/2024 | All | All | All | All | All | All | All | | | | |
| 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 | | | |
| Virtual Machines | 16111 | 73,516.01 | 1 Hour | 235778 | 0.00 | 115,786.02 | 12366 | 72,986.28 | 1 Hour | 219722 | 0.00 | |
| Storage | 41613 | 107,572,221.26 | 1 | 16 | 22,377,890.56 | 21,699.13 | 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 | 0.00 | |
| Azure NetApp Files | 14 | 60,678,144.00 | 1 GiB/Hour | | 2,528,256.00 | 9,070.34 | 14 | 60,678,144.00 | 1 GiB/Hour | | 2,528,256.00 | |
| Azure App Service | 3344 | 20,956.37 | 1 Hour | | 0.00 | 5,340.19 | 3349 | 21,076.21 | 1 GiB | 0.01 | | |
| SQL Database | 1093 | 50,985.1 | 1 GiB/Month | | 99,829.50 | 3,825.76 | 1092 | 51,089.32 | 1 GiB/Month | | 99,019.5 | |
| Backup | 489 | 148,060.91 | 1 GiB/Month | | 4,500,300.04 | 408.23 | 488 | 148,264.58 | 1 GiB/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 GiB | | 51,686.30 | 3,708.33 | 12446 | 55,514.23 | 1 GiB | | 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 GiB | | 419.90 | 3,121.73 | 6 | 420.08 | 1 GiB | | 417.6 | |
| Azure Data Factory v2 | 182 | 10,107.62 | 1 Hour | | 0.00 | 1,981.15 | 159 | 9,498.94 | 1 Hour | | 0.00 | |
| 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 | | | | | |

| Select Date Range | | Resource Location | | Subscription Name | | Resource Group | | EA Dept. / Org. | | |
|---|--------------|-------------------|--------------|-------------------|--------------|----------------|---------------|-----------------|--|--------------|
| 7/1/2024 | 11/27/2024 | All | All | All | All | All | All | All | | |
| Azure Services - Subscription Wise Consumption - MoM | | | | | | | | | | |
| Year | 2024 | | | | | | | | | Total |
| Subscription Name | July | August | September | October | November | Total | | | | |
| 1-AZSG-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 | | | |
| AZSG-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 | | | |
| Microsoft 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 | | | |
| AZSG-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 | | | |
| AZSG-CORE ENVIRONMENT | 258,935.49 | 243,323.13 | 209,659.49 | 188,264.94 | 166,792.09 | 1,039,987.15 | 1,039,987.15 | | | |
| AZSG-DEV ENVIRONMENT | 172,465.93 | 133,057.71 | 103,303.47 | 106,019.04 | 93,777.73 | 608,623.89 | 608,623.89 | | | |
| AZSG-UAT ENVIRONMENT | 150,503.78 | 135,062.93 | 103,783.70 | 95,750.18 | 95,797.98 | 565,079.78 | 565,079.78 | | | |
| AZSCUS-PROD ENVIRONMENT | 92,624.96 | 82,797.27 | 81,557.99 | 76,586.71 | 71,739.84 | 405,301.77 | 405,301.77 | | | |
| AZSG-IAC-DEV ENVIRONMENT | 52,796.27 | 55,158.39 | 53,637.30 | 42,851.28 | 39,866.84 | 244,310.09 | 244,310.09 | | | |
| AZBR-PROD ENVIRONMENT | 46,806.34 | 48,693.35 | 50,598.05 | 51,285.35 | 45,651.40 | 243,035.57 | 243,035.57 | | | |
| -AZSG-PROD-ENV | 45,509.33 | 47,560.96 | 41,724.35 | 42,748.72 | 36,149.81 | 213,693.17 | 213,693.17 | | | |
| (PROD) | 25,743.77 | 25,091.06 | 25,886.56 | 25,545.55 | 20,212.31 | 121,980.15 | 121,980.15 | | | |
| 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 | | | |

| Select Date Range | | Resource Location | | Subscription Name | | Resource Group | | EA Dept. / Org. | | |
|---|--------------|-------------------|--------------|-------------------|--------------|----------------|---------------|-----------------|--|--------------|
| 7/1/2024 | 11/27/2024 | All | All | All | All | All | All | All | | |
| Azure Services - Resource Group Wise Consumption - MoM | | | | | | | | | | |
| Year | 2024 | | | | | | | | | Total |
| Resource Group | July | August | September | October | November | Total | | | | |
| 00-az1-rg | 2,255,520.57 | 2,584,972.59 | 1,643,891.95 | 1,056,606.13 | 1,168,685.05 | 8,709,676.30 | 8,709,676.30 | | | |
| 00-az1-rg | 230,841.89 | 206,943.86 | 216,653.22 | 206,615.19 | 206,615.19 | 1,038,459.51 | 1,038,459.51 | | | |
| AZSG-CORE-SENTINEL | 191,445.50 | 184,178.04 | 179,709.37 | 143,869.50 | 211,494.21 | 1,010,795.61 | 1,010,795.61 | | | |
| 00-AZ1-VDI-RG | 106,014.63 | 105,290.50 | 105,588.91 | 105,588.91 | 105,588.91 | 509,045.21 | 509,045.21 | | | |
| 00NC9V4 GROUP | 289,439.48 | 79,705.33 | 51,986.27 | 48,653.56 | 56,668.08 | 1,428,617.13 | 1,428,617.13 | | | |
| AZSG-PROD-core-RG | 77,137.28 | 60,757.58 | 58,591.84 | 60,008.11 | 51,813.83 | 308,306.84 | 308,306.84 | | | |
| AZSCUS-PROD-RG | 46,802.08 | 48,686.46 | 50,591.39 | 49,647.24 | 49,647.24 | 243,009.15 | 243,009.15 | | | |
| AZBR-PROD-RG | 30,024.92 | 32,792.32 | 35,307.95 | 43,248.50 | 36,653.57 | 178,027.27 | 178,027.27 | | | |
| abricks-rg | 41,795.32 | 32,948.02 | 34,298.49 | 30,868.80 | 26,043.83 | 165,954.45 | 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 | 21,726,963.88 | | | |

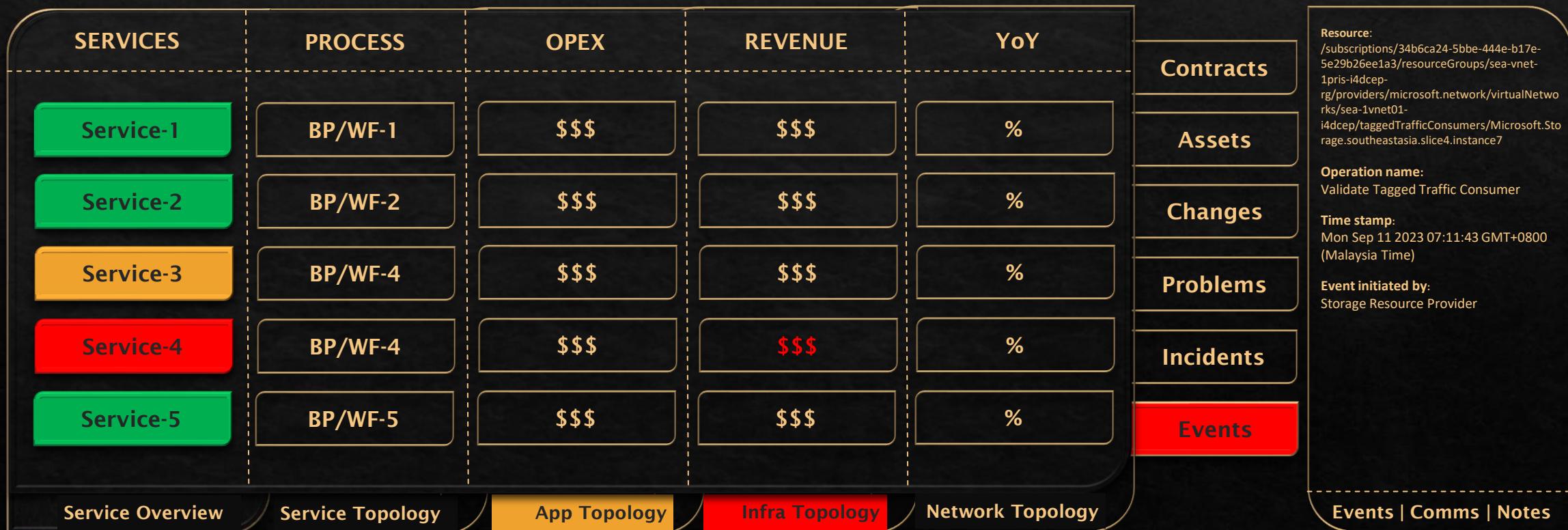
| Select Date Range | | Resource Location | | Subscription Name | | Resource Group | | EA Dept. / Org. | |
|-------------------|------------|-------------------|-----|-------------------|--|----------------|--|-----------------|--|
| 7/1/2024 | 11/27/2024 | All | All | All | | | | | |

➤ Bespoke Service-2 -|- End-to-End Business Service Monitoring (E2E BSM) |

Readiness

Co-BOLT (Co-Build, Operate, Lease, Transfer)

- BSM – A Paradigm shift from Resource based Monitoring to Business Service / Process based Monitoring
- Executive Level End-to-End (E2E) Service Health, Availability & Demography of Critical Upstream & Downstream Business Service / Process, Revenue, YoY Growth
- Near Real-Time & Live Topology view, Service Line Diagram, Reduce MTTR, Increase Service Availability, Syntetic Work Flow
- Inclusive Design Framework | Executive BSM View | Converged, Domain & Topology Specific View | One Integrated BSM Tool



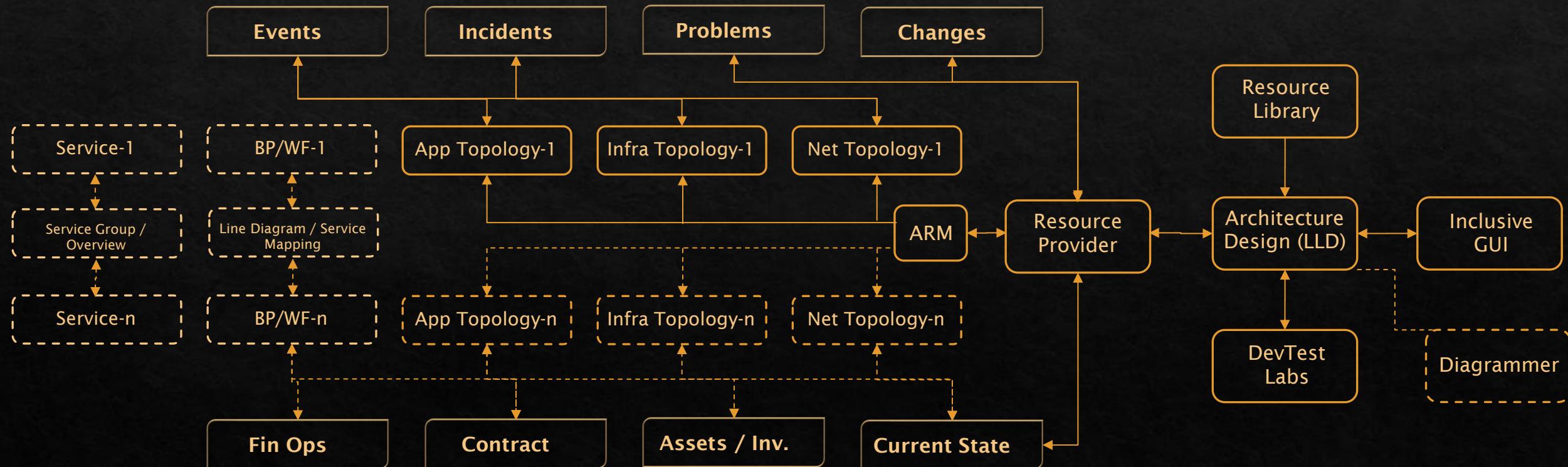
➤ Bespoke Service-3 -|- NoCode Infrastructure Ops (NCIO)

Readiness

Co-BOLT (Co-Build, Operate, Lease, Transfer)

NCIO

- Deploy Azure Services & Manage BAU Operations with just few Clicks
- Single Pane | Inclusive Design Framework | Absolute NoCode | Minimal Tech Skills
- Service Line Diagram, Near Real-Time Live Topology view, Synthetic Work Flow support
- Continuous Status update, Incremental / Delta upgrade or downgrade, Replicate multi-deployments, Stall or Tear down Infrastructure

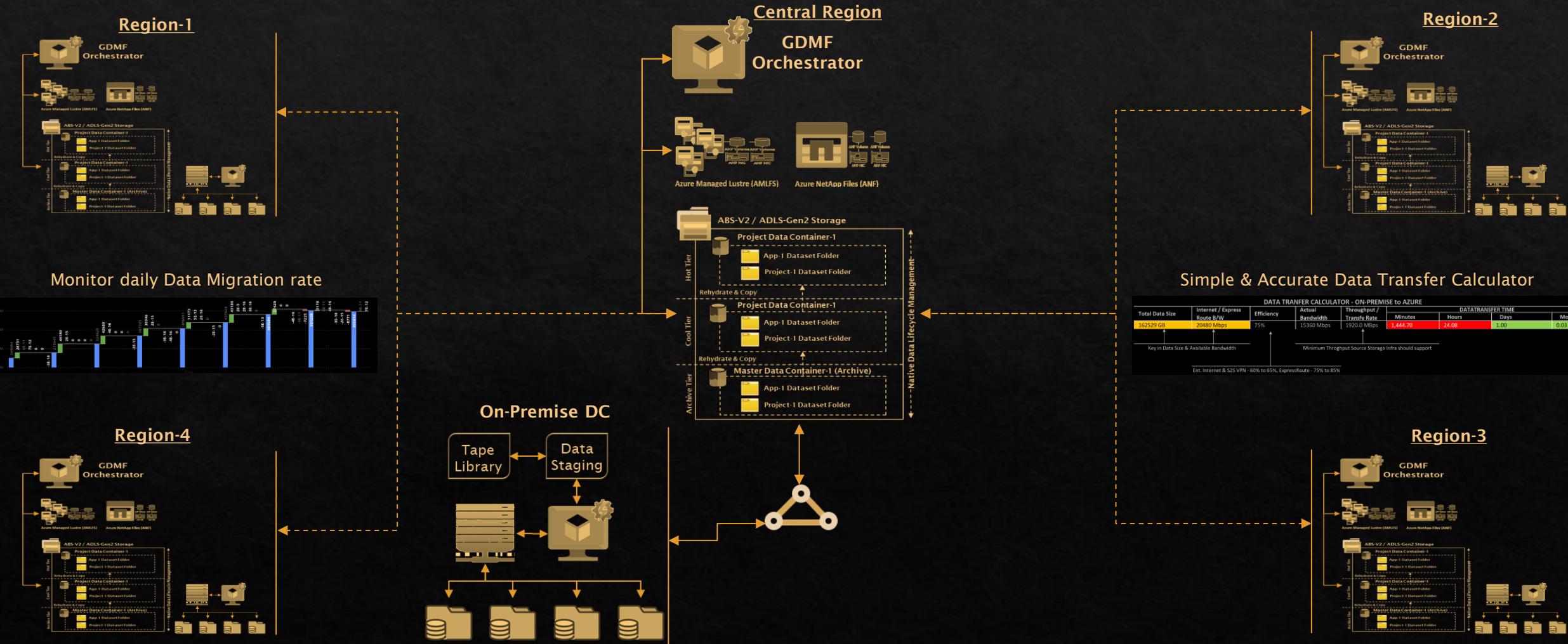


➤ Bespoke Service-4 -|- Global Data Movement Framework (GDMF) |

Readiness

Co-BOLT (Co-Build, Operate, Lease, Transfer)

- Automated Seismic Dataset Movement across Global Azure Regions
- Inclusive Design Framework | Automated or Manual Drag & Drop | No Tech Skills on Data Copy or Migration Tools
- Bi-Direction Seismic Dataset Replication | Monitor daily Data Migration rate | Simple & Accurate Data Transfer Calculator
- Achieve cumulative throughput @ 1920.0 MBps, migrate Data @ 158 TiB / Day with 75% efficiency – 1 PiB Data Transfer in ~ 6.5 Days

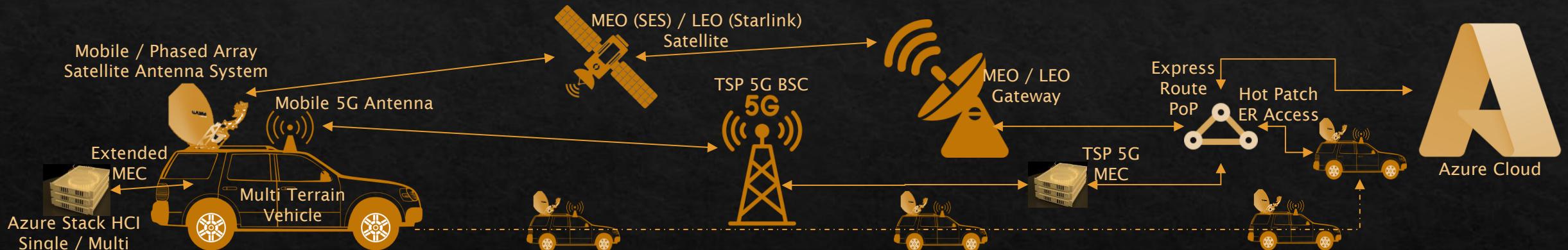


Bespoke Service-5 - Mobile Multi Access Azure Service - Hybrid (MAS-H)

Readiness

Co-BOLT (Co-Build, Operate, Lease, Transfer)

- Combination of Azure Stack HCI, 5G (SA/NSA/PN) & Satellite ExpressRoute (ER) Stacked into a MUV
- On-Demand / On-Spot Over-The-Air (OTA) Extended Multi Access Edge Computing Services (MEC) for Research Org's | Seismic Dataset Mass Ingestion | Interim Time bound Critical Workload Migration | Road Shows | Hackathon's | Hybrid Workflow Automation
- Micro DC Anywhere Everywhere | On-Demand OTA Azure Services | On-Spot OTA Azure Service Demo / POC for Near-Shore & Off-Shore Sites | Zero Hosting footprint | Zero Dependency / Lead time for Terrestrial Last mile | Drive-In & Out Hot Patch ER Access



| Service Description / Service Components | Units / Quantity | Non- Recurring Cost (one time) | Recurring Cost (Monthly) | Outright Purchase (only for Harware) | Remarks |
|--|---|--------------------------------|--------------------------|--------------------------------------|--|
| Satellite MEO Solution - Explorer 8120 COTM/COTP environment - 8 Watt extended range BUC / ODU - 20 Watt extended range BUC / ODU - Satellite Modem - IDU - Satellite Frequency Uplink Approval | 1 1 x 1 1 Unit | | | | SES MEO Ka Band O3b mPOWER service via Dubbo Satellite Gateway to Microsoft ExpressRoute PoP in Sydney |
| 5G Wireless Solution - 5G Wireless Antenna - 5G Transceiver - 10Gbps Ethernet interface modules | 1 1 2 | | | | 5G NSA Network with 10G + 10G Fibre backhaul to Azure ExpressRoute via CelcomDigi DC is much cheaper for Azure ExpressRoute to Equinox Singapore |
| Satellite B/W + Peering – MS ER PoP and / or 5G Wireless Mobile Network | - 50Mbps - 100 Mbps - 200 Mbps - 500 Mbps - 1 Gbps - 2 Gbps - 5 Gbps - 10 Gbps | | | | Celcom - 5G Solution using a new Tier4 data centre |
| Azure Stack HCI - Ruggedised - Single Server Cluster - 1 U - Multi Server Cluster - xU Laptop - Ruggedised | 1 x 1 | | | | |
| SUV / MUV / DSNG Mount Options | 1 | | | | |
| Xx KW Online Generator + UPS | 1 | | | | |
| Industrial Power Chord & Accessories | 1 Bundle | | | | |
| Cat-6 Ethernet +/ Optic Fiber cables | 1 Bundle | | | | |

i3CEP

NoCode Innovation



Azure Service Operations Management



Azure Service Delivery Management



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