

StackOps Pricing

July 2025



Agenda Slide

01 StackOps Pricing

02 Subscribe to StackOps

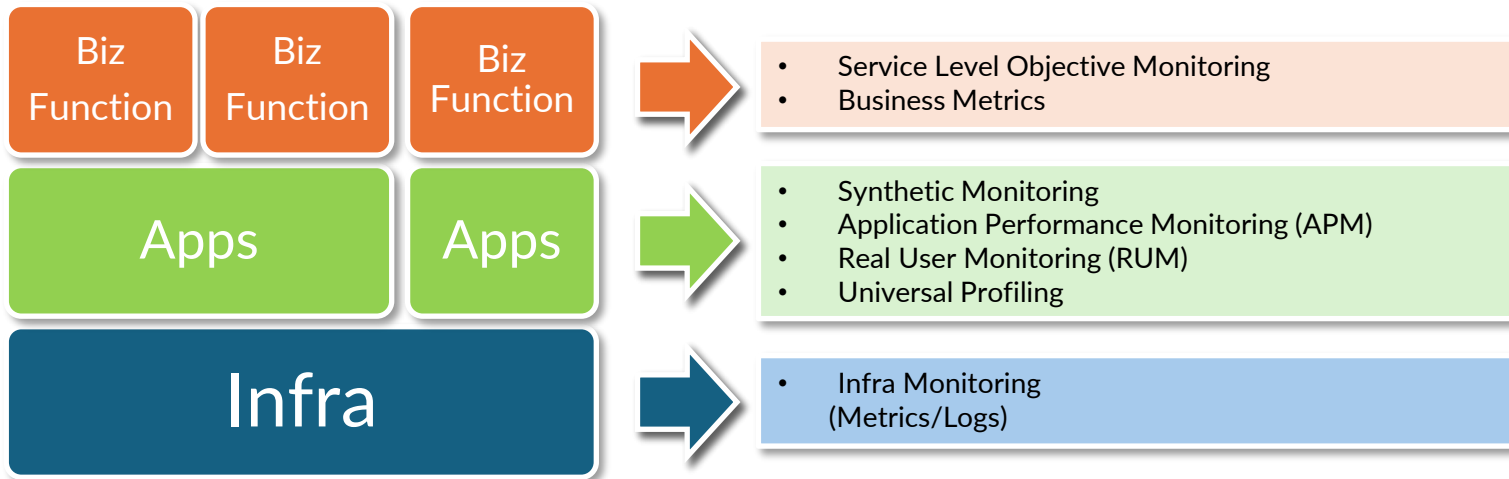
03 View Elastic Consumption

04 View Pricing Details

StackOps Overview

Empowering agencies with a suite of monitoring/observability capabilities, to improve system resiliency and address operational needs

- Supports Government data/metrics classified as **Confidential Cloud-Eligible (CCE)** and below, Sensitive Normal.



Mitigate issues such as:

- Watermelon effects
- Apps vs Infra performance
- User errors



StackOps Pricing

Pricing Details

StackOps will follow a two phased pricing approach

From 1 Sep '25 to 31 Aug '26:

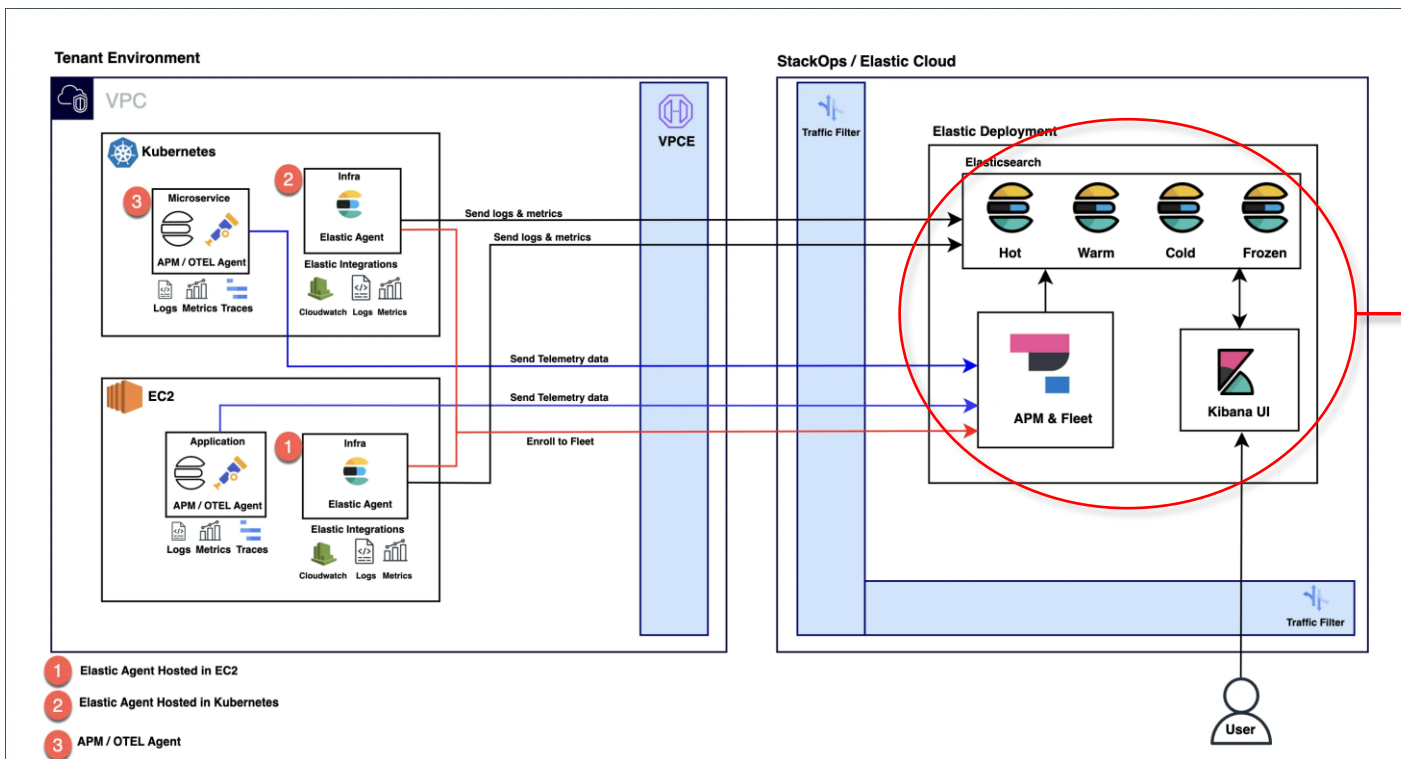
- You will be **charged** based on your **actual Elastic usage**. Charges are **consumption-based**
- You will receive a **7% discount on your Elastic usage charges**
- The **Service Management Fee (SMF)** will be waived during this period

From 1 Sep '26 onwards:

- The pricing will be adjusted to ensure StackOps can sustainably maintain and improve its services
- We will announce the new pricing structure, including any applicable discounts and fees, well in advance of 1 Sep '26
- For preliminary cost estimates, please refer to the [Sizing and Pricing documentation](#)

Elastic Usage Charges

StackOps cost is **based on the consumption** within the Elastic Cloud.



Elastic Usage will consist of:

1. *Resource (Compute & Data Nodes Cost)

- Consist of Hot, Warm, Cold & Frozen storage tier

Price	\$\$\$	\$	\$/2	\$/20
Performance	milliseconds - seconds	seconds - 10's seconds	seconds - 10's seconds	10's seconds - minutes

- Hardware Profile (Cost vs Performance)
- Kibana + Fleet Manager
- Optional resources i.e. Machine Learning (ML), Coordinating, etc

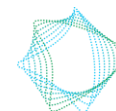
2. Usage Costs

- Snapshot storage (backup Snapshot)
- Data transfer
- Managed Synthetic monitoring (Internet)

To estimate your StackOps subscription costs:

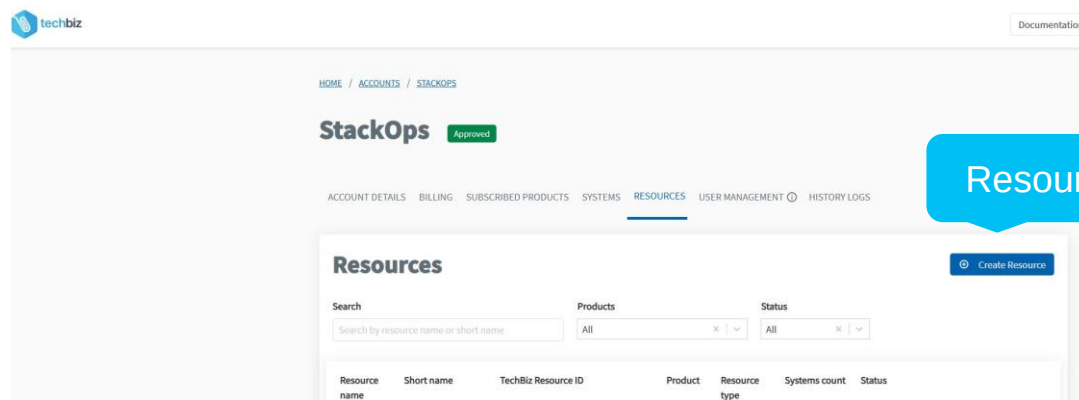
- If you are an existing user, you can view Elastic consumption trend in TechBiz under the **Dashboard** section.
- If you are a new user, please refer to the [Sizing and Pricing documentation](#) via intranet.

*Resource is a StackOps Elastic Deployment



For New Users sign-ups:

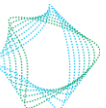
Go to [Techbiz](#) to create new resource, choose Deployment Size – Small, Medium, Large



Resource



The 'Create resource' form is shown with a 'Testing' tab selected. It includes a 'Cancel' and 'Submit' button at the top right. The main section is titled 'Resource configuration form'. It asks 'Is this a resource in production?' with radio buttons for 'Yes' and 'No' (selected). A note states: 'Autoscaling will be enabled for resources in production by default. This may increase your monthly subscription cost. To disable, raise a SR to StackOps support team'. Below this are dropdowns for 'Cloud Service Provider' (set to 'Amazon Web Services') and 'Elastic Version Number' (set to '8.15.5'). The 'Deployment Size' section is highlighted with a blue box; it includes a note about custom sizing and a dropdown menu with options 'small', 'medium', and 'large'.



For New Users sign-ups:

Deployment Sizes – Small, Medium, Large

small

Small

▼

Sizing Details

Instance	Instance Type	Memory Size (MB)	Storage Size (GB)	Number of Zones
coordinating	aws.es.coordinating.m5d	0	0	1
ml	aws.es.ml.c5d	0	0	1
hot	aws.es.datahot.i3	4096	120	2
warm	aws.es.datawarm.i3en	4096	296	2
cold	aws.es.datacold.i3en	0	0	2
frozen	aws.es.datafrozen.i3en	4096	6400	1
master	aws.es.master.c5d	0	0	1
kibana	aws.es.kibana.c5d	2048	0	2
integrations server	aws.es.integrationsserver.c5d	1024	0	2
enterprise search	aws.es.enterprisesearch.c5d	2048	0	1

large

Large

▼

Sizing Details

Instance	Instance Type	Memory Size (MB)	Storage Size (GB)	Number of Zones
coordinating	aws.es.coordinating.m5d	0	0	1
ml	aws.es.ml.c5d	0	0	1
hot	aws.es.datahot.i3	8192	240	2
warm	aws.es.datawarm.i3en	15360	1110	2
cold	aws.es.datacold.i3en	0	0	2
frozen	aws.es.datafrozen.i3en	30720	48000	1
master	aws.es.master.c5d	0	0	1
kibana	aws.es.kibana.c5d	4096	0	2
integrations server	aws.es.integrationsserver.c5d	1024	0	2
enterprise search	aws.es.enterprisesearch.c5d	2048	0	1

medium

Medium

▼

Sizing Details

Instance	Instance Type	Memory Size (MB)	Storage Size (GB)	Number of Zones
coordinating	aws.es.coordinating.m5d	0	0	1
ml	aws.es.ml.c5d	0	0	1
hot	aws.es.datahot.i3	4096	120	2
warm	aws.es.datawarm.i3en	8192	592	2
cold	aws.es.datacold.i3en	0	0	2
frozen	aws.es.datafrozen.i3en	8192	12800	1
master	aws.es.master.c5d	0	0	1
kibana	aws.es.kibana.c5d	2048	0	2
integrations server	aws.es.integrationsserver.c5d	1024	0	2
enterprise search	aws.es.enterprisesearch.c5d	2048	0	1

For existing users: Action Required before 31 July

Before 31 July, current subscribers must :

- Delete all unused StackOps deployment(s) and/or
- Delete any StackOps deployment that is provisioned solely for testing or evaluations purposes
- For instructions on deleting deployments, please refer to the [Delete deployment documentation](#)

From 1 Sep 2025 :

- Any StackOps deployments remaining in your subscription will incur charges as per the billing details in the Techbiz portal
- Any requests raised after 1 Sep 2025 for waivers will be subject to CE's approval
- For any billing issues, please raise a ticket: <https://go.gov.sg/techbiz-sr>

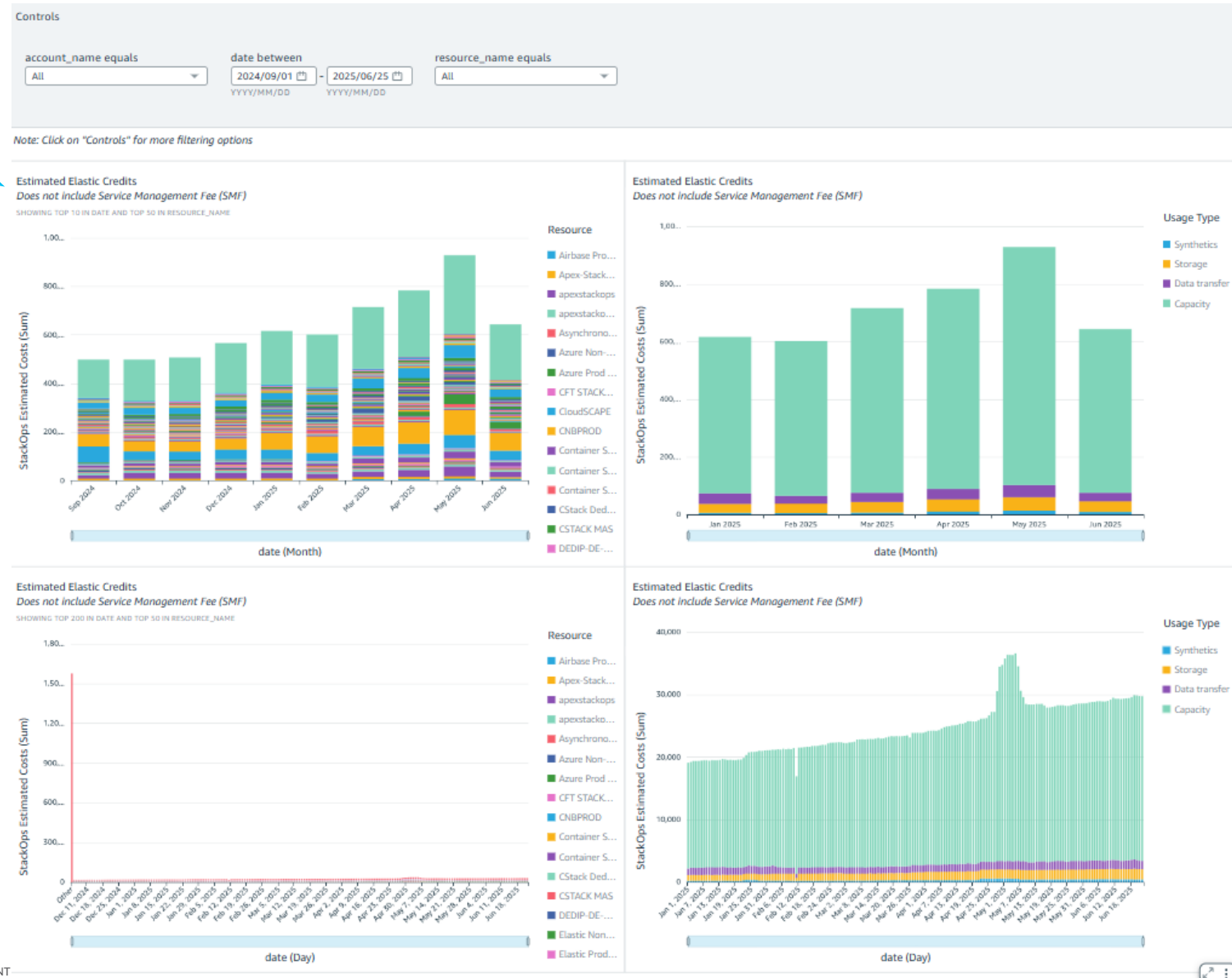
On an ongoing basis :

- Review and streamline your monitoring & setup to keep cost low
- Review your [Index Lifecycle Policy](#)

Understanding Stackops Consumption Charges (1/2)

Will see Elastic Consumption Units (ECUs) in TechBiz

1 ECU = 1 USD



Breakdown

Usage Types	Components	Latest Size	Elastic Consumption Units
Capacity	APM	Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.integrationsserver.c5d.2, 1GB, 2AZ	1,278.35
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.integrationsserver.c5d.2, 2GB, 2AZ	0.34
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.integrationsserver.c6gd.2, 1GB, 2AZ	6,952.71
		Cloud Enterprise, Azure southeastasia (Singapore), azure.integrationsserver.fsv2.2, 1GB, 2AZ	1,971.89
		APM Subtotal	10,203.3
	Elasticsearch	Cloud Enterprise Master R4 AWS Asia Pacific (Singapore) 1 GB non-HA SSD	296.18
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 180GB, 2AZ	515.59
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 240GB, 2AZ	116,404.56
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 240GB, 3AZ	9,488.66
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 2GB, 2AZ	1,907.59
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 60GB, 2AZ	26,138.95
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 60GB, 3AZ	339.82
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datacold.d3, 120GB, 2AZ	40,921.97
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datacold.d3, 2GB, 2AZ	5.17
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datacold.d3, 60GB, 2AZ	98,763.62
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 120GB, 2AZ	138,839.62
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 180GB, 2AZ	84,117.31
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 240GB, 2AZ	66,315.89
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 300GB, 2AZ	4,699.08
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 4GB, 1AZ	5,460.54
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 8GB, 1AZ	8,639.54
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 120GB, 2AZ	135,808.92
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 120GB, 3AZ	5,711.47
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 15GB, 2AZ	1,705.16
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 240GB, 2AZ	22,988.16
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 4GB, 2AZ	2,300.69
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 60GB, 2AZ	61,560.72
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 8GB, 2AZ	3,630.24
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.i3, 4GB, 2AZ	138.75
		Total	

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Billing Details

StackOps operates on a monthly billing and quarterly invoicing cycle:

- **Monthly billing cycle :**

- A preliminary **invoice will be available on the 8th of every month** for the previous calendar month. Admins will receive an email on 8th of every month. For example, email for the first Preliminary invoice will be sent on 8 Oct for the month of Sep.
- You must **carefully review and raise any issues before 14th of the month**. Any issues raised after 14th will not be entertained unless it's an error on our end. For example, for the invoice received on 8 Oct, please raise any issues by 14 Oct via <https://go.gov.sg/techbiz-sr>

- **Quarterly invoicing cycle :**

- Consolidated **invoice for payment will be sent every three months** (quarterly based on the financial year) to agencies. For example, for the billing period of July, Aug, and Sep, invoice will be sent in Oct.

- **Preliminary Invoice in TechBiz :**

- Invoice will be available by 8 Oct

Billing period	Consolidated invoice sent in
July, August, and September	October
October, November, and December	January
January, February, and March	April
April, May, and June	July

Using TechBiz to subscribe to StackOps

Subscribing to StackOps

Public Officers (Subscription Admin) in government agencies can subscribe to StackOps through the [TechBiz portal](#).

- **Option 1:** Subscribe to StackOps using an existing TechBiz account [[Watch step-by-step video here](#)]
- **Option 2:** Create a new TechBiz account and subscribe to StackOps [[Watch step-by-step video here](#)]

View Subscription Documents

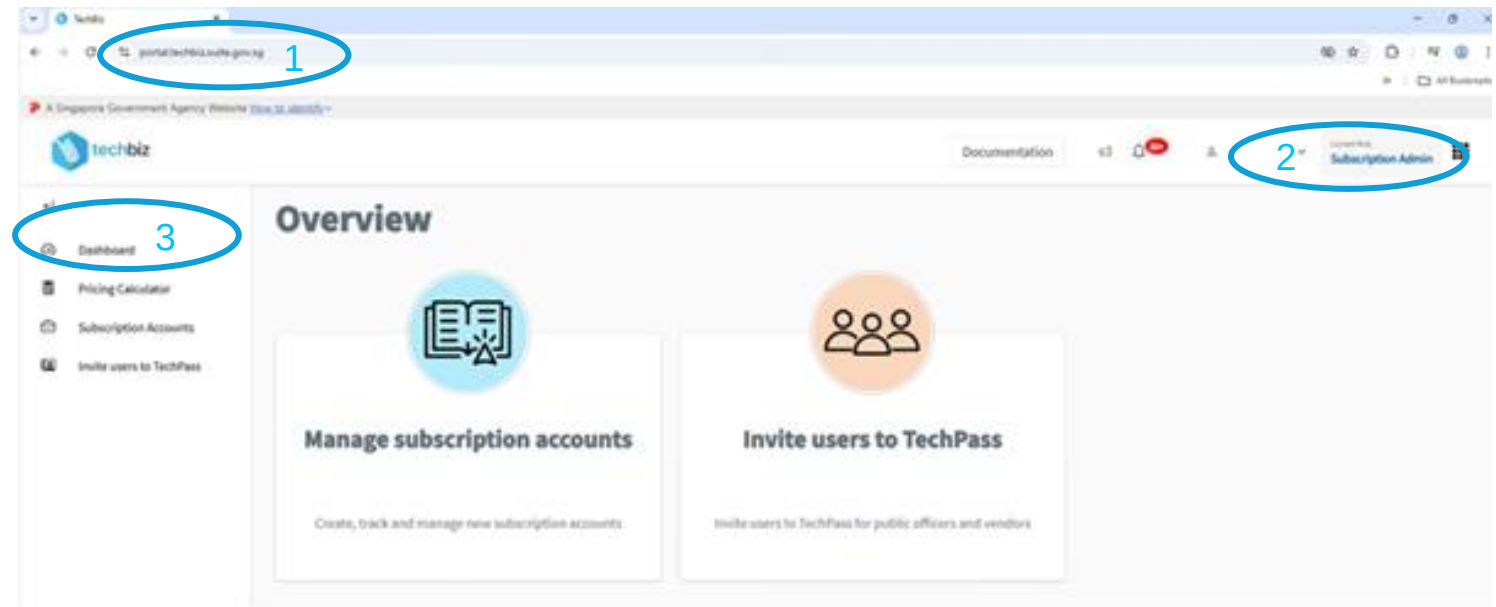
Subscription Admins can use the [TechBiz portal](#) to view and download the latest versions of the following documents:

- UST + SS Exhibit A.pdf
- SS Exhibit B - Account details.pdf
- AA Exhibit C - StackOps.pdf

Viewing Elastic Consumption in TechBiz

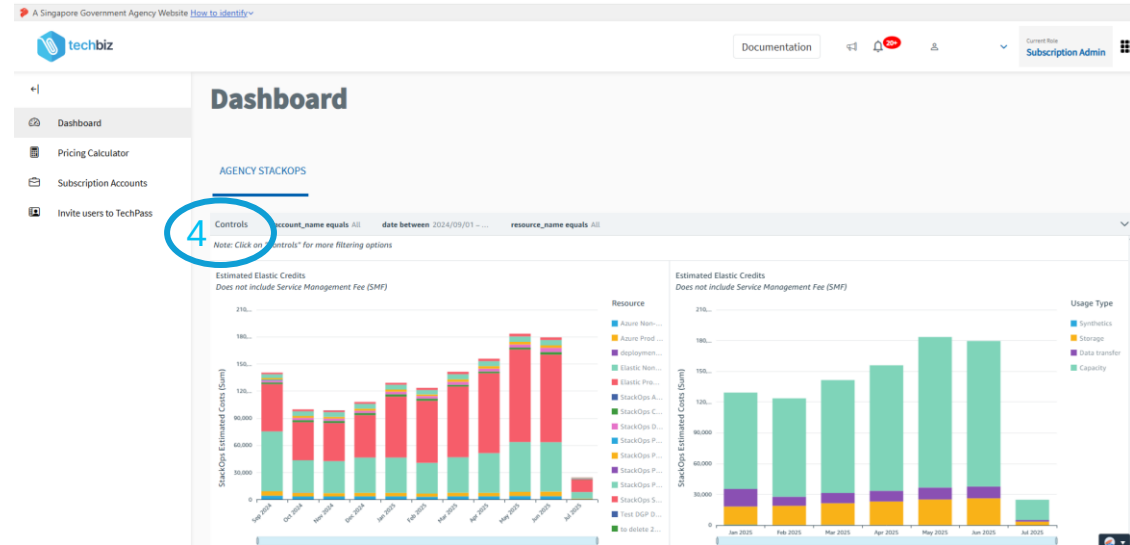
Viewing Elastic Consumption - 1

1. Log in to TechBiz Portal:
<https://portal.techbiz.suite.gov.sg/>
2. Switch role to Admin (Subscription Admin or Billing Admin).
3. From the sidebar, click **Dashboard**.
The Dashboard appears.



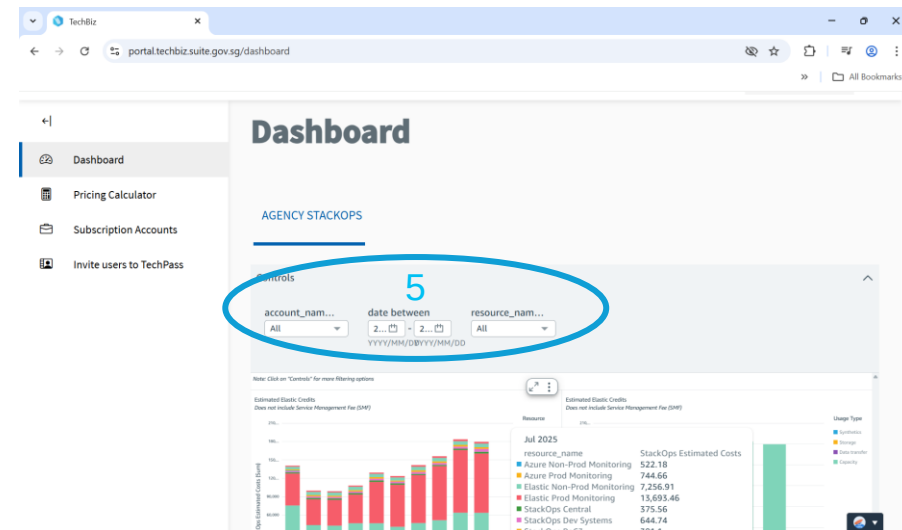
Viewing Elastic Consumption - 2

4. Select Controls.

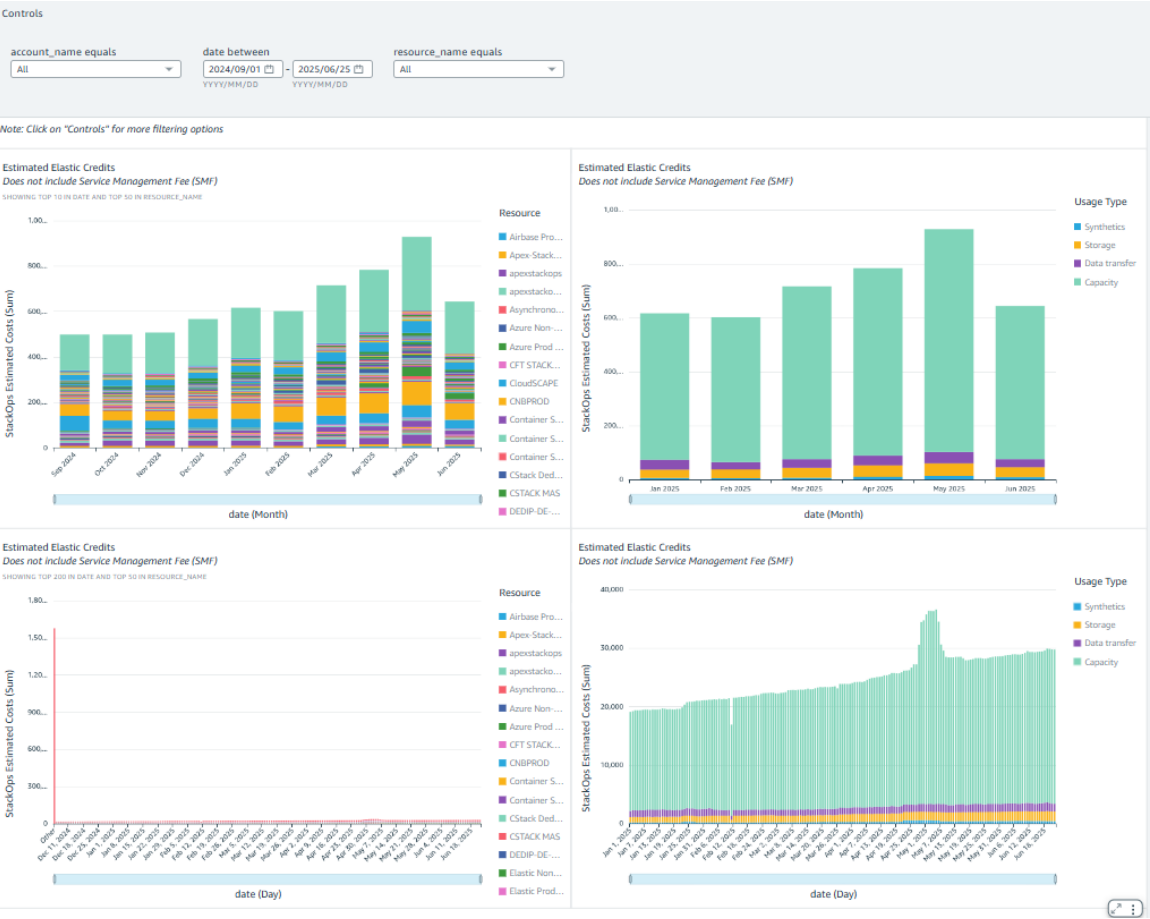


5. Select values for **account_name** > **date between** > **resource_name**.

resource_name is your deployment name.



Viewing Estimated Elastic Credits



All cost units are measured in Elastic Consumption Units

Usage Types	Components	Latest Size	Elastic Consumption Units
Capacity	APM	Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.integrationsserver.c5d.2, 1GB, 2AZ	1,278.35
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.integrationsserver.c5d.2, 2GB, 2AZ	0.34
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.integrationsserver.c6gd.2, 1GB, 2AZ	6,952.71
		Cloud Enterprise, Azure southeastasia (Singapore), azure.integrationsserver.fsv2.2, 1GB, 2AZ	1,971.89
		APM Subtotal	10,203.3
	Elasticsearch	Cloud Enterprise Master R4 AWS Asia Pacific (Singapore) 1 GB non-HA SSD	296.18
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		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 240GB, 3AZ	9,488.66
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 2GB, 2AZ	1,907.59
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 60GB, 2AZ	26,138.95
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.coordinating.m6gd.2, 60GB, 3AZ	339.82
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datacold.d3, 120GB, 2AZ	40,921.97
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datacold.d3, 2GB, 2AZ	5.17
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datacold.d3, 60GB, 2AZ	98,763.62
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 120GB, 2AZ	138,839.62
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 180GB, 2AZ	84,117.31
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 240GB, 2AZ	66,315.89
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		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datafrozen.i3en.2, 8GB, 1AZ	8,639.54
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 120GB, 2AZ	135,808.92
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		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 15GB, 2AZ	1,705.16
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 240GB, 2AZ	22,988.16
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 4GB, 2AZ	2,300.69
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 60GB, 2AZ	61,560.72
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.c6gd, 8GB, 2AZ	3,630.24
		Cloud Enterprise, AWS ap-southeast-1 (Singapore), aws.es.datahot.i3, 4GB, 2AZ	138.75
Total			1,384,945.49

Refer to <https://www.elastic.co/guide/en/cloud/current/ec-billing-ecu.html> to find out more on Elastic Consumption Units (ECU)

Billing Details in TechBiz Portal

Viewing Prelim Invoice - 1

1. Log in to TechBiz portal:
<https://portal.techbiz.suite.gov.sg/>
2. Switch role to Admin (Subscription Admin or Billing Admin).
3. From the sidebar, click **Accounts**.
4. Go to the required TechBiz account.
5. Click **Billing**.

The screenshot shows the 'SHIP HATS Internal' account page in the TechBiz portal. At the top, there's a breadcrumb trail: HOME / ACCOUNTS / SHIP HATS INTERNAL. Below this, the account name 'SHIP HATS Internal' is displayed next to a green 'Approved' status badge. A navigation bar contains several tabs: ACCOUNT DETAILS, BILLING (which is highlighted with a red box), SUBSCRIBED PRODUCTS, SYSTEMS, RESOURCES, USER MANAGEMENT (with a help icon), and HISTORY LOGS. To the right of the tabs is a 'Download summary' link with a download icon. Below the navigation bar, the main heading 'Account Details' is shown, followed by an 'Edit' button with a pencil icon. The main content area is titled 'Account' and contains a table with four columns: Agency name, Subscription account name, Account short name (with a help icon), and Account ID (auto populated). Each column has a corresponding value displayed below the header.

Agency name	Subscription account name	Account short name ⓘ	Account ID (auto populated)
GOVERNMENT TECHNOLOGY AGENCY	SHIP HATS Internal	SHIP HATS	00000000000000000000

Viewing Prelim Invoice - 2

6. Scroll to **Preliminary invoice**.

7. Choose the required month to view and click the download icon to save the preliminary invoice.

The preliminary invoice provides an interim snapshot of billing details, offering insight before the finalisation of the bill.

Table of invoice

You can view your billing details and download a copy for your records. If there are any billing issues/disputes, please reach out [here](#).

☐	Service month	Products	Total amount	Created	Version	Download
☐	May 2025	SHIP-HATS 2.0	\$7,185.00	09-06-2025	-	↓
☐	April 2025	SHIP-HATS 2.0	\$7,185.00	09-05-2025	-	↓
☐	March 2025	SHIP-HATS 2.0	\$7,185.00	08-04-2025	-	↓
☐	February 2025	SHIP-HATS 2.0	\$7,185.00	10-03-2025	-	↓
☐	January 2025	SHIP-HATS 2.0	\$7,185.00	10-02-2025	-	↓

Sample Preliminary Invoice



Invoice to:
Jane Doe

Government Technology Agency
10 Pasir Panjang, #10-01 Mapletree Business City
Singapore 117438

PRELIMINARY INVOICE

Subscription account: Engineering Suite
Account ID: 01GPAT3NS98K5SPCWG7RAQPQAD
Service month: Sept 2025
Invoice date generated: 08/10/25
Invoice ID: 202510-001-PQAD

Product	Deployment	UOM	Total (USD\$)	Total (SGD\$)
StackOps	Esuite-dev	Estimated Elastic Credits	5,207.08	6,500.00
	Esuite-stg	Estimated Elastic Credits	5,383.52	6,720.25
	Esuiteprod1	Estimated Elastic Credits	12,200.26	15,229.58
	7 % Discount			(1,991.49)
			Subtotal	26,458.34
			Total	26,458.34

*See Terms & Conditions for prevailing exchange rate.

FAQs

How to estimate costs per resource?

- Gather data ingest size and retention period
- Refer to our [Estimating Elastic Sizing & Cost documentation](#)

What are some of the cost saving strategies that we can use?

- Delete unused data
- Optimise [data lifecycle](#)
- Use hot-warm-cold tiers to match storage performance with data age.

How can I opt for a trial or POC?

- More details will be shared in the coming weeks.
- In the meantime, you can go to Elastic for their 14 day trial: <https://www.elastic.co/cloud/elasticsearch-service/signup?elektra=ess-pricing>

Timelines

Overall Timelines & Support

02 July 2025	14 July 2025	31 July 2025	August 2025	1 Sep 2025	8 Oct 2025	8-14 Oct 2025	End Oct 2025
Communication	Briefing	Cleanup Complete by StackOps users	Monitor and Adjust Elastic Consumption as needed	Pricing Begins	First Preliminary Invoice available in TechBiz	Validate Cost & raise issue	Final Quarterly Invoice is sent.

Resources

- Sizing & Cost Guide: <https://go.gov.sg/stackops-sizing>
- StackOps pricing documentation: <https://go.gov.sg/stackops-pricing>

Support

- Raise a ticket: <https://go.gov.sg/techbiz-sr>

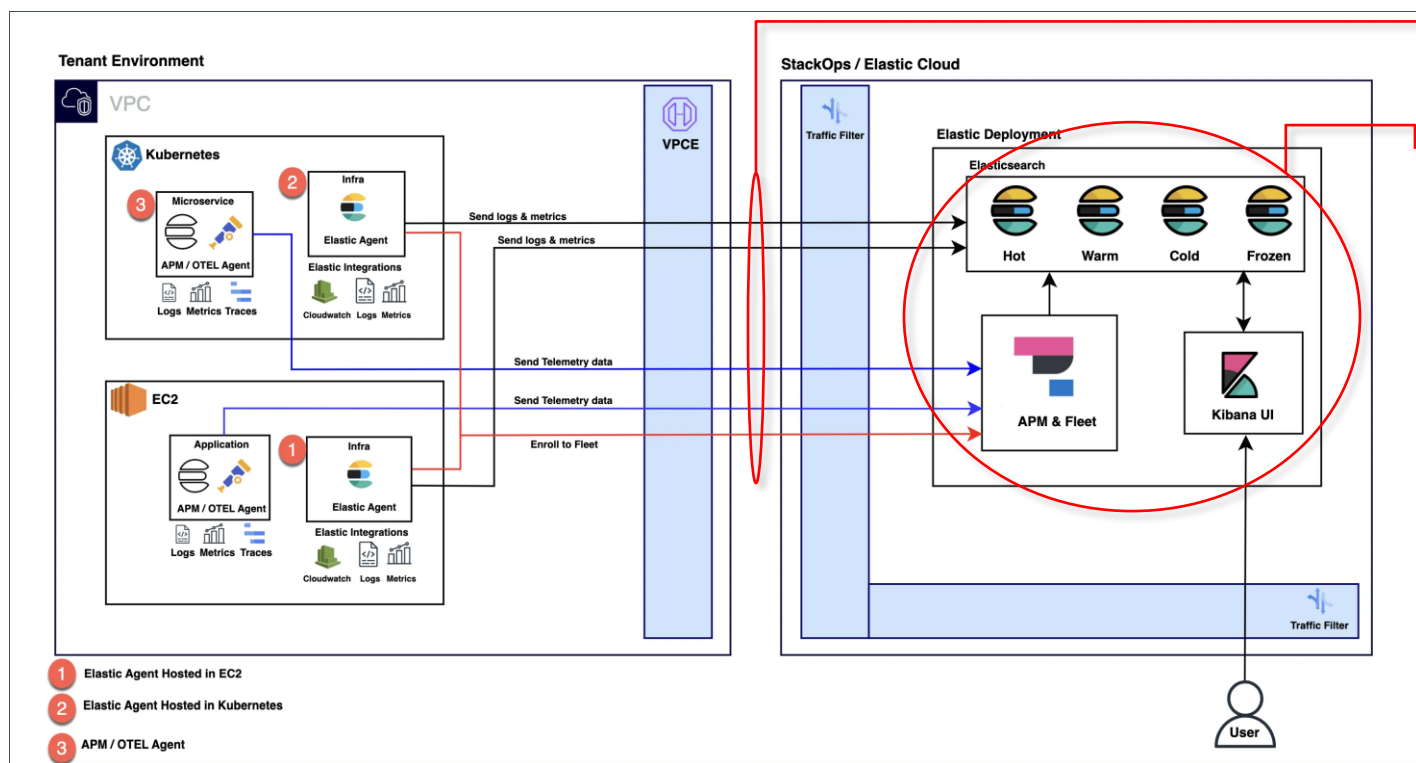
Annex A: Estimating Elastic Sizing & Cost

Estimating StackOps sizing and costing for your deployment

StackOps cost is based on the consumption within the Elastic Cloud. To accurately estimate your total Elastic Cloud costs, refer to the StackOps - estimating Elastic sizing and cost guide via intranet for more details.

To estimate your StackOps subscription costs:

- If you are an existing user, you can view Elastic consumption trend in TechBiz under the **Dashboard** section.
- If you are a new user, please refer to the [Sizing and Pricing documentation](#) via intranet.



1. Estimate your ingest volume
 - Cloud Element Calculator to sizing ingest volume
 - Metrics & Logs
2. Estimate your StackOps sizing
 - <https://cloud.elastic.co/pricing>
 - Hardware Profile
 - ILM consideration for the Elasticsearch cluster
3. Other consideration
 - Elastic cost:
 - Snapshot storage
 - Data transfer
 - Synthetic monitoring (Internet)
 - Non-Elastic cost:
 - VM to host your Elastic Agent
 - AWS subscription such as Cloudwatch metric stream, Per endpoint charges (VPCE), AWS Kinesis Data Streams, AWS Lambda, S3, SQS, Data Firehose, privatelink, egress data transfer, etc

Step 1: Estimating your ingest volume

Calculate your ingest volume based on the number of devices and components in your systems.

Input the quantity and collection frequency (highlighted in blue) for each device type in your system. Based on these inputs, the calculator estimates the total daily ingested volume and storage sizing for each Elasticsearch data tier (Hot, Warm & Frozen).

Integration - Metrics		Qty	Collection Frequency	Sample Size (Bytes)	Retention in Days			No of Collections	Daily Storage (MB)	Raw Storage (GB)			Total Stored (GB)
S3 Request	1	Every 30 minutes	1,775.00	3	27	336	48.00	0.08	0.00	0.00	0.03	0.03	
S3 Storage Lens	1	Every 30 minutes	3,896.00	3	27	336	48.00	0.18	0.00	0.00	0.06	0.06	
SNS	2	Every 5 minutes	1,700.00	3	27	336	288.00	0.93	0.00	0.02	0.31	0.33	
SQS	2	Every 5 minutes	1,878.00	3	27	336	288.00	1.03	0.00	0.03	0.34	0.37	
Transit Gateway	2	Every minute	2,602.00	3	27	336	1,440.00	7.15	0.02	0.19	2.34	2.55	
Usage	1	Every Day	1,491.00	3	27	336	1.00	0.00	0.00	0.00	0.00	0.00	
VPN	1	Every minute	1,143.00	3	27	336	1,440.00	1.97	0.00	0.04	0.52	0.56	
Metrics Raw Total:								197.53	0.58	5.21	64.81	70.60	
Metrics Total:								278.86	0.82	7.36	38.89	99.67	

Integration - Logs		Qty	Events Per Day	Sample Size (Bytes)	Retention in Days			Daily Events	Daily Storage (MB)	Raw Storage (GB)			Total Stored (GB)
API Gateway	1	5000	612.00	3	27	336	5,000.00	2.92	0.01	0.08	0.96	1.04	
CloudFront	1	5000	3,646.00	3	27	336	5,000.00	16.91	0.05	0.45	5.55	6.04	
CloudTrail	10	1000	2,841.00	3	27	336	10,000.00	270.94	0.79	7.14	88.90	96.84	
CloudWatch	50	1000	781.00	3	27	336	50,000.00	1,862.05	5.46	49.10	610.98	665.54	
EC2	50	1000	651.00	3	27	336	50,000.00	1,552.10	4.55	40.92	509.28	554.76	
ELB	8	5000	2,883.00	3	27	336	40,000.00	879.82	2.58	23.20	288.69	314.47	
EMR	8	5000	663.00	3	27	336	40,000.00	202.33	0.59	5.33	66.39	72.32	
Guardduty	1	5000	11,266.00	3	27	336	5,000.00	53.72	0.16	1.42	17.63	19.20	
Inspector	1	5000	10,269.00	3	27	336	5,000.00	48.97	0.14	1.29	16.07	17.50	
Network Firewall	50	10000	4,040.00	3	27	336	500,000.00	96,321.11	282.19	2,539.72	31,605.36	34,427.27	
Route 53 Public	1	5000	2,416.00	3	27	336	5,000.00	11.52	0.03	0.30	3.78	4.12	
Route 53 Resolver	1	5000	3,816.00	3	27	336	5,000.00	18.20	0.05	0.48	5.97	6.50	
S3 Request	1	2000	4,408.00	3	27	336	2,000.00	8.41	0.02	0.22	2.76	3.01	
Security Hub Findings	1	10	21,663.00	3	27	336	10.00	0.21	0.00	0.01	0.07	0.07	
Security Hub Insights	1	10	33,754.00	3	27	336	10.00	0.32	0.00	0.01	0.11	0.12	
VPC Flow	2	100000	1,821.00	3	27	336	200,000.00	694.66	2.04	18.32	227.93	248.29	
WAF	2	10000	2,908.00	3	27	336	20,000.00	110.93	0.32	2.92	36.40	39.65	
Logs Raw Total:								102,533.06	300.39	2,703.51	33,591.05	36,647.56	
Logs Total:								289,505.12	848.16	7,633.44	40,309.26	103,475.46	

Grand Raw Total:	Raw Storage (TB)				
	Daily Volume	Hot	Warm	Frozen	Total Stored (TB)
	100.33	0.82	7.36	38.89	36.86

Grand Total:	Indices Storage (TB)				
	Daily Volume	Hot	Warm	Frozen	Total Stored (TB)
	282.99	0.83	7.46	39.40	101.15
Caters for Index, Compression, Replica and Watermark Buffer					

Step 2a: Determine your hardware profile

Hardware Profiles (in Descending order of cost)	Description
Storage Optimised (Dense) E.g. aws.es.datahot.i3en	Ideal for ingestion use cases with <i>more than 10 days</i> of data available for fast access. Also good for light search use cases with very large data sets. Has more storage to memory ratio as compared to Storage Optimise.
Storage Optimised E.g. aws.es.datahot.i3	Good for more ingestion use cases with 7-10 days of data available for fast access. Also good for light search use cases without heavy indexing or CPU needs.
Vector Search Optimised (ARM) E.g. aws.es.datahot.r6gd	Optimised for applications that leverage Vector Search and/or Generative AI , and the optimal choice for utilising ELSER for semantic search applications. Broadly suitable for all semantic search, text embedding, image search, and other Vector Search use cases. Also better suited for RAM resource intensive use cases when data size per item or per query is large.
General Purpose (ARM) E.g. aws.es.datahot.m6gd	Suitable for ingestion use cases with 5-7 days of data available for fast access. Also good for search workloads with less-frequent indexing and medium to high querying loads. Provides a balance of storage, memory, and CPU.
General Purpose E.g. aws.es.datahot.m5d	Suitable for ingestion use cases with 5-7 days of data available for fast access. Also good for search workloads with less-frequent indexing and medium to high querying loads. Provides a balance of storage, memory, and CPU.
CPU Optimised (ARM) E.g. aws.es.datahot.c6gd	Suitable for ingestion use cases with 1-4 days of data available for fast access and for search use cases with indexing and querying workloads. Provides the most CPU resources per unit of RAM.
CPU Optimised E.g. aws.es.datahot.c5d	Suitable for ingestion use cases with 1-4 days of data available for fast access and for search use cases with indexing and querying workloads. Provides the most CPU resources per unit of RAM.

Step 2b: Determine your Elastic data nodes and cost

1. From the [Elastic pricing](#) site, select **Enterprise subscriptions** in the Summary Section.
2. Select your Cloud provider (**AWS, Azure, or GCP**) > Select **Singapore** as the region.
3. Select the hardware profile you determined in Step 2a.
4. Select the **correct sizing** for the nodes to be provisioned for your deployment.
For each corresponding tier, select the size per zone options that most closely matches the Indices Storage Grand Total calculated in Step 1.
5. For Availability zones, select “2” as High Availability (HA) will be enabled by default in StackOps.
6. For Kibana instances, select “2” for availability zone for HA setup and the right sizing based on your memory/CPU needs.
7. Derive the annual cost estimates by multiplying the hourly rate by 8,760.

Summary

Standard Gold Platinum **Enterprise**

[Compare subscriptions](#)

ELASTICSEARCH

Hot storage **45 GB**

Hot memory **1 GB**

Hourly rate **\$0.0532**

KIBANA

Memory **1 GB**

Hourly rate **free**

APM

Memory **1 GB**

Hourly rate **free**

INTEGRATIONS SERVER

Memory **1 GB**

Hourly rate **free**

ENTERPRISE SEARCH

Memory **2 GB**

Hourly rate **free**

TOTAL

Total storage **45 GB**

Total memory **6 GB**

Hourly rate **\$0.0532**

* [Data transfer and snapshot storage](#) fees may apply.

[Contact us](#) to discuss discounting for prepaid commitments and additional purchasing options.

Step 3: Other Elastic Cost Considerations

Costing components	Description	Typical cost estimate
Snapshot storage	Snapshot storage costs are tied to the cost of storing the backup snapshots in the underlying IaaS object store (e.g. S3 on AWS or GCS on Google Cloud). These storage costs are not for the disk storage that persists the Elasticsearch indices. Charged according to: Storage size in GB: Storage space occupied by all the snapshots of all the deployments tied to an account. • ~\$0.003 per GB/month • Free allowance of 100GB/month Storage API requests: the total number of calls to backup or restore snapshots made by all deployments associated with an account. • ~\$0.0018 per 1,000 API calls • Free allowance of 100,000 API calls/month	5% of Step 2b
Data transfer	Data transfer costs are associated with the data transfer in, out, and within your deployment. • Data In: The amount of data ingested into your deployment, generally free. • Data Out: The amount of data transferred out from your deployment, such as Kibana access or API calls. • Data Internode: The amount of data transferred between nodes within your deployments, such as between data tier nodes or node instances.	10% of Step 2b
Synthetic monitoring	Synthetic monitoring is available from both Internet and private locations. Internet (agents are run from Elastic Public resources which you utilise either Browser monitoring or Lightweight monitoring) • Browser tests are about \$0.0123 per test run (metered in 60-second increments). • Lightweight tests are about \$28.00 per location per month (per Elastic stack) for up to 1K simultaneous test run capacity (~2.6 billion test per month). Private Local (agents are setup to run within your private networks) • Tests executed from private location do not incur execution charges. • All test result data is stored in your Elastic stack and billed under existing dimensions.	To be calculated based on intended usage.

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