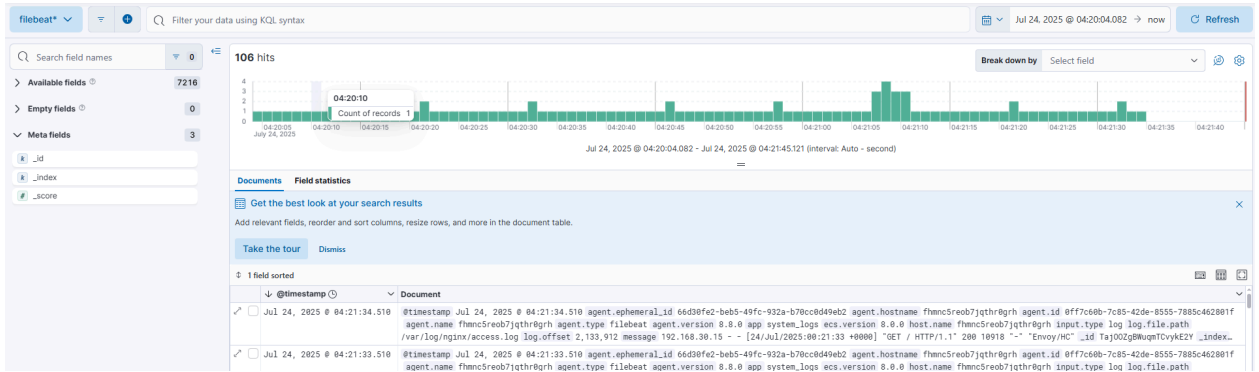


Kibana



Grafana



Terraform

```
Plan: 26 to add, 0 to change, 0 to destroy.

Changes to Outputs:
+ alb_public_ip           = (known after apply)
+ bastion_public_ip       = (known after apply)
+ elasticsearch_private_ip = (known after apply)
+ grafana_public_ip       = (known after apply)
+ grafana_url              = (known after apply)
+ kibana_public_ip        = (known after apply)
+ kibana_url               = (known after apply)
+ prometheus_private_ip   = (known after apply)
+ ssh_bastion_command     = (known after apply)
+ ssh_web_a_command       = (known after apply)
+ ssh_web_b_command       = (known after apply)
+ vpc_network_id          = (known after apply)
+ web_a_private_ip        = (known after apply)
+ web_b_private_ip        = (known after apply)
+ website_url              = (known after apply)

Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.

Enter a value: yes
```

```

yandex_alb_load_balancer.web: Still creating... [4m31s elapsed]
yandex_alb_load_balancer.web: Creation complete after 4m40s [id=ds7qskb4hcq7eed5qq1n]

Apply complete! Resources: 26 added, 0 changed, 0 destroyed.

Outputs:

alb_public_ip = "130.193.46.88"
bastion_public_ip = "89.169.155.214"
elasticsearch_private_ip = "192.168.10.27"
grafana_public_ip = "51.250.84.118"
grafana_url = "http://51.250.84.118:3000"
kibana_public_ip = "89.169.128.55"
kibana_url = "http://89.169.128.55:5601"
prometheus_private_ip = "192.168.10.28"
ssh_bastion_command = "ssh -J ubuntu@89.169.155.214 ubuntu@<private_ip>"
ssh_web_a_command = "ssh -J ubuntu@89.169.155.214 ubuntu@192.168.10.31"
ssh_web_b_command = "ssh -J ubuntu@89.169.155.214 ubuntu@192.168.20.21"
vpc_network_id = "enp7fcljgkekoecdbk0d"
web_a_private_ip = "192.168.10.31"
web_b_private_ip = "192.168.20.21"
website_url = "http://130.193.46.88"

```

Filebeat: (Конфигурация идентичная на обоих web-server)

```

egkyk@f1mnc5reob7jqthrqgrh:~$ sudo systemctl status filebeat.service
● filebeat.service - Filebeat sends log files to Logstash or directly to Elasticsearch.
   Loaded: loaded (/lib/systemd/system/filebeat.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2025-07-24 00:19:45 UTC; 15min ago
     Docs: https://www.elastic.co/beats/filebeat
    Main PID: 13548 (filebeat)
      Tasks: 0 (limit: 2339)
   CGroup: /system.slice/filebeat.service
           └─13548 /usr/share/filebeat/bin/filebeat --environment systemd -c /etc/filebeat/filebeat.yml --path.home /usr/share/filebeat --path.config /etc/filebeat --path.data /var/lib/filebeat --

Jul 24 00:30:15 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:30:15.463Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:30:45 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:30:45.462Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:31:15 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:31:15.462Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:31:45 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:31:45.462Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:32:15 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:32:15.462Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:32:45 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:32:45.463Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:33:15 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:33:15.463Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:33:45 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:33:45.463Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:34:15 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:34:15.462Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
Jul 24 00:34:45 f1mnc5reob7jqthrqgrh filebeat[13548]: {"log.level":"info","@timestamp":"2025-07-24T00:34:45.463Z","log.logger":"monitoring","log.origin":{"file.name":"log/log.go","file.line":187},
lines 1-19/19 (END)

```

Elasticsearch:

```

egkyk@f1mnc5reob7jqthrqgrh:~$ sudo systemctl status elasticsearch.service
● elasticsearch.service - Elasticsearch
   Loaded: loaded (/usr/lib/systemd/system/elasticsearch.service; disabled; vendor preset: enabled)
   Active: active (running) since Wed 2025-07-23 23:35:14 UTC; 1h 0min ago
     Docs: https://www.elastic.co
    Main PID: 5716 (java)
      Tasks: 102 (limit: 4915)
   CGroup: /system.slice/elasticsearch.service
           └─5716 /usr/share/elasticsearch/jdk/bin/java -Xms4m -Xmx64m -XX:+UseSerialGC -Dcli.name=server -Dcli.script=/usr/share/elasticsearch/bin/elasticsearch -Dcli.lib=lib/tools/server-cli -D
           └─5779 /usr/share/elasticsearch/jdk/bin/java -Des.networkaddress.cache.ttl=60 -Des.networkaddress.cache.negative.ttl=10 -Djava.security.manager=allow -XX:+AlwaysPreTouch -Xss1m -Djava.a
           └─5802 /usr/share/elasticsearch/modules/x-pack-ml/platform/linux-x86_64/bin/controller

Jul 23 23:34:58 f1mnc5reob7jqthrqgrh systemd[1]: Starting Elasticsearch...
Jul 23 23:35:01 f1mnc5reob7jqthrqgrh systemd-entrypoint[5716]: [2025-07-23T23:35:01.440][WARN ][o.e.c.l.LogConfigurator ] [f1mnc5reob7jqthrqgrh] Some logging configurations have %marker but don't
Jul 23 23:35:01 f1mnc5reob7jqthrqgrh systemd-entrypoint[5716]: /etc/elasticsearch/log4j2.properties
Jul 23 23:35:14 f1mnc5reob7jqthrqgrh systemd[1]: Started Elasticsearch.
lines 1-15/15 (END)

```

VM

Имя	Cloud Backup	Статус	OS	Платформа	vCPU	Доля vCPU	RAM	Прерываемая	Размер дисков	Зона доступности	Внутренний IPv4	Публичный IPv4	Дата создания
web-b	Не подключён	Running	linux	Intel Ice Lake	2	100%	2 GB	Her	10 GB	ru-central-1-b	192.168.20.21	—	23.07.2025, в 21:0
grafana	Не подключён	Running	linux	Intel Ice Lake	2	100%	4 GB	Her	15 GB	ru-central-1-a	192.168.30.37	51.250.84.118	23.07.2025, в 21:0
kibana	Не подключён	Running	linux	Intel Ice Lake	2	100%	4 GB	Her	15 GB	ru-central-1-a	192.168.30.18	89.169.128.55	23.07.2025, в 21:0
prometheus	Не подключён	Running	linux	Intel Ice Lake	2	100%	4 GB	Her	15 GB	ru-central-1-a	192.168.10.28	—	23.07.2025, в 21:0
elasticsearch	Не подключён	Running	linux	Intel Ice Lake	4	100%	8 GB	Her	30 GB	ru-central-1-a	192.168.10.27	—	23.07.2025, в 21:0
web-a	Не подключён	Running	linux	Intel Ice Lake	2	100%	2 GB	Her	10 GB	ru-central-1-a	192.168.10.31	—	23.07.2025, в 21:0
bastion	Не подключён	Running	linux	Intel Ice Lake	2	100%	2 GB	Her	10 GB	ru-central-1-a	192.168.30.34	89.169.155.214	23.07.2025, в 21:0
compute-vm-2-8-10-hdd-1745001139976	Не подключён	Stopped	linux	Intel Cascade Lake	2	20%	8 GB	Да	10 GB	ru-central-1-d	10.131.0.16	—	18.04.2025, в 22:3

Security group

Имя ↑↓	Идентификатор ↑↓	Сеть	Описание	Статус	Правила	Дата создания ↑↓	Метки		
grafana-security-group	enpr003dffekqba022119	main-network	Группа безопасности для Grafana	Active	3	23.07.2025, в 21:06	—	...	
logging-security-group	enp5aas7ekc5dsvb4quc	main-network	Группа безопасности для Elasticsearch	Active	3	23.07.2025, в 21:05	—	...	
alb-security-group	enp7vatkpe9i07op0v082	main-network	Группа безопасности для Application Load Balancer	Active	1	23.07.2025, в 21:05	—	...	
kibana-security-group	enpfckv99b13vvqb6he2	main-network	Группа безопасности для Kibana	Active	3	23.07.2025, в 21:05	—	...	
monitoring-security-group	enpfd2qm10a13rq1v4oo	main-network	Группа безопасности для сервисов мониторинга	Active	3	23.07.2025, в 21:06	—	...	
default-sg-enp7fcjgkkoecdbk0d	Default	enpo1fkmhg1iiknho0t0d	main-network	Default security group for network	Active	2	23.07.2025, в 21:05	—	...
default-sg-enpt6v0rajgmo5rq5cc	Default	enpssqejv1dmgh8qbe40	default	Default security group for network	Active	2	03.07.2024, в 19:05	—	...
bastion-security-group	enpтт00v329rn7u8fbv	main-network	Группа безопасности для Bastion хоста	Active	2	23.07.2025, в 21:05	—	...	
web-security-group	enpui31v09j32emkjat	main-network	Группа безопасности для веб-серверов	Active	5	23.07.2025, в 21:06	—	...	

Целевая группа

Целевые группы

Фильтр по имени или идентификатору

<input type="checkbox"/>	Имя ↑↓	Описание	Целевые ресурсы	Дата создания ↑↓	Идентификатор ↑↓	Метки	
<input type="checkbox"/>	web-target-group	—	192.168.10.31 (web-a) 192.168.20.21 (web-b)	23.07.2025, в 21:07	ds795nvtankb50sso0a3	—	...

http – роутер

<input type="checkbox"/>	Имя ↑↓	Группы stream-бэкендов	Домены	Маршруты ↑↓	Дата создания ↑↓	Идентификатор ↑↓	Метки	
<input type="checkbox"/>	web-router	web-backend-group	—	1	23.07.2025, в 21:05	ds7e911jdb9gq7ckmn21	—	...

web-balancer

Обзор

Идентификатор	ds7qskb4hcq7eed5qq1n
Имя	web-balancer
Статус	Active
Дата создания	23.07.2025, в 21:05
IP-адреса	130.193.46.88
Сеть	main-network

Настройки логов

Запись логов	<input checked="" type="checkbox"/> Да
Лог-группа Cloud Logging	Лог-группа по умолчанию

Размещение

Зона доступности	Подсеть	Прием трафика
ru-central1-a	public-subnet-a	<input checked="" type="checkbox"/> Да

Обработчики

web-listener

Публичные эндпоинты 130.193.46.88:80

Тип обработчика (?) HTTP

Протокол HTTP

Перенаправлять на HTTPS Нет

HTTP-роутер web-router

Backups

Снимки дисков [Расписания снимков](#)

Фильтр по имени

Имя ↑↓	Описание	Статус ↑↓	Дата создания ↑↓	Идентификатор ↑↓	Расписание	Хранение снимков	Метки
daily-snapshots	—	Active	23.07.2025, в 21:07	fd8vgga39m7c31van3v1	0 1 * * *	Последние 7 снимков	— ...

Alb с web хоста

```

egkyk@fhmnc5reob7jqthre0grh:~$ curl -v 130.193.46.88:80
* Rebuilt URL to: 130.193.46.88:80/
* Trying 130.193.46.88...
* TCP_NODELAY set
* Connected to 130.193.46.88 (130.193.46.88) port 80 (#0)
> GET / HTTP/1.1
> Host: 130.193.46.88
> User-Agent: curl/7.58.0
> Accept: */*
>
< HTTP/1.1 200 OK
< server: ycalb
< date: Thu, 24 Jul 2025 00:56:26 GMT
< content-type: text/html
< content-length: 10918
< last-modified: Tue, 21 Jan 2020 13:38:10 GMT
< etag: "5e26fec2-2aa6"
< accept-ranges: bytes
<
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <!--
    Modified from the Debian original for Ubuntu
  -->

```

Play-books

```

egkyk@egkyk-VirtualBox:~/ansible_playbooks_for_terraform$ ansible-playbook -i inventory.ini exporters.yml -b
[WARNING]: Found both group and host with same name: prometheus
[WARNING]: Found both group and host with same name: grafana
[WARNING]: Found both group and host with same name: kibana
[WARNING]: Found both group and host with same name: elasticsearch

PLAY [Install exporters on web servers] *****

TASK [Gathering Facts] *****
ok: [web-a]
ok: [web-b]

TASK [Download and install node exporter] *****
changed: [web-a]
changed: [web-b]

TASK [Extract node exporter] *****
changed: [web-a]
changed: [web-b]

PLAY RECAP *****
web-a      : ok=3    changed=2  unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
web-b      : ok=3    changed=2  unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

```

```
egkyk@egkyk-VirtualBox:~/ansible_playbooks_for_terraform$ ansible-playbook -i inventory.ini playbook-prometheus.yml -b
[WARNING]: Found both group and host with same name: elasticsearch
[WARNING]: Found both group and host with same name: grafana
[WARNING]: Found both group and host with same name: kibana
[WARNING]: Found both group and host with same name: prometheus

PLAY [Install Prometheus] *****
TASK [Gathering Facts] *****
ok: [prometheus]

TASK [Create prometheus user] *****
changed: [prometheus]

TASK [Download Prometheus] *****
changed: [prometheus]

TASK [Extract Prometheus] *****
changed: [prometheus]

TASK [Create config directory] *****
changed: [prometheus]

TASK [Copy Prometheus config] *****
changed: [prometheus]

TASK [Create systemd service] *****
changed: [prometheus]

TASK [Start and enable Prometheus] *****
changed: [prometheus]

PLAY RECAP *****
prometheus      : ok=8   changed=7   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
```

```
egkyk@egkyk-VirtualBox:~/ansible_playbooks_for_terraform$ ansible-playbook -i inventory.ini playbook-grafana.yml -b
[WARNING]: Found both group and host with same name: prometheus
[WARNING]: Found both group and host with same name: elasticsearch
[WARNING]: Found both group and host with same name: grafana
[WARNING]: Found both group and host with same name: kibana

PLAY [Install Grafana from Yandex mirror] *****
TASK [Gathering Facts] *****
ok: [grafana]

TASK [Install Grafana] *****
changed: [grafana]

TASK [Ensure Grafana service is enabled and running] *****
changed: [grafana]

TASK [Wait for Grafana to start (30 seconds)] *****
ok: [grafana]

PLAY RECAP *****
grafana         : ok=4   changed=2   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
```

```
egkyk@egkyk-VirtualBox:~/ansible_playbooks_for_terraform$ ansible-playbook -i inventory.ini playbook-elasticsearch.yml -b
[WARNING]: Found both group and host with same name: elasticsearch
[WARNING]: Found both group and host with same name: kibana
[WARNING]: Found both group and host with same name: prometheus
[WARNING]: Found both group and host with same name: grafana

PLAY [Install Elastic] *****
TASK [Gathering Facts] *****
ok: [elasticsearch]

TASK [Update apt cache] *****
changed: [elasticsearch]

TASK [Install Elasticsearch] *****
changed: [elasticsearch]

TASK [Copy Elasticsearch config file] *****
changed: [elasticsearch]

TASK [daemon-reload, enable and start Elasticsearch] *****
changed: [elasticsearch]

PLAY RECAP *****
elasticsearch   : ok=5   changed=4   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
```

```

egkyk@egkyk-VirtualBox:~/ansible_playbooks_for_terraform$ ansible-playbook -i inventory.ini playbook-kibana.yml -b
[WARNING]: Found both group and host with same name: elasticsearch
[WARNING]: Found both group and host with same name: grafana
[WARNING]: Found both group and host with same name: prometheus
[WARNING]: Found both group and host with same name: kibana

PLAY [Install kibana] *****

TASK [Gathering Facts] *****
ok: [kibana]

TASK [Install Kibana] *****
changed: [kibana]

TASK [daemon-reload, enable and start Kibana] *****
changed: [kibana]

PLAY RECAP *****
kibana      : ok=3   changed=2   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0

```

```

egkyk@egkyk-VirtualBox:~/ansible_playbooks_for_terraform$ ansible-playbook -i inventory.ini filebeat.yml -b
[WARNING]: Found both group and host with same name: prometheus
[WARNING]: Found both group and host with same name: elasticsearch
[WARNING]: Found both group and host with same name: kibana
[WARNING]: Found both group and host with same name: grafana

PLAY [Install Filebeat] *****

TASK [Gathering Facts] *****
ok: [web-a]
ok: [web-b]

TASK [Update apt cache] *****
changed: [web-a]
changed: [web-b]

TASK [Install Filebeat] *****
changed: [web-b]
changed: [web-a]

TASK [Copy Filebeat configuration file] *****
changed: [web-a]
changed: [web-b]

TASK [Enable and start Filebeat] *****
changed: [web-a]
changed: [web-b]

PLAY RECAP *****
web-a      : ok=5   changed=4   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
web-b      : ok=5   changed=4   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0

```

```

egkyk@egkyk-VirtualBox:~/ansible_playbooks_for_terraform$ ansible-playbook -i inventory.ini playbook-web.yml -b
[WARNING]: Found both group and host with same name: grafana
[WARNING]: Found both group and host with same name: kibana
[WARNING]: Found both group and host with same name: prometheus
[WARNING]: Found both group and host with same name: elasticsearch

PLAY [Install Nginx] *****

TASK [Gathering Facts] *****
ok: [web-a]
ok: [web-b]

TASK [Install Nginx] *****
changed: [web-b]
changed: [web-a]

PLAY RECAP *****
web-a      : ok=2   changed=1   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
web-b      : ok=2   changed=1   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0

```