

31. GIẢI PHÁP-TESTING - Task #1253

Task # 1211 (Closed): Cài đặt server log tập trung

Backup/restore config elasticseach

08-10-2024 08:31 - Minh Pham

Trạng thái:	Closed	Bắt đầu:	08-10-2024
Mức ưu tiên:	Normal	Hết hạn:	13-10-2024
Phân công cho:	Minh Pham	Tiến độ:	0%
Chủ đề:		Thời gian ước lượng:	0:00 giờ
Phiên bản:		Thời gian:	0:00 giờ

Mô tả

Mục tiêu : Backup config server elasticsearch và kibana để restore khi gặp sự cố

Kết quả thực hiện:

Tạo server NFS

```

Creating config file /etc/nfs.conf with new version
Adding system user `statd' (UID 115) ...
Adding new user `statd' (UID 115) with group `nogroup' ...
Not creating home directory `/var/lib/nfs'.
invoke-rc.d: policy-rc.d denied execution of start.
Created symlink /etc/systemd/system/multi-user.target.wants/nfs-client.target → /lib/systemd/system/nfs-client.target.
Created symlink /etc/systemd/system/remote-fs.target.wants/nfs-client.target → /lib/systemd/system/nfs-client.target.
/usr/sbin/policy-rc.d returned 101, not running 'start auth-rpcgss-module.service nfs-client.target nfs-idmapd.service nfs-utils.service proc-fs-nfsd.mount rpc-gssd.service rpc-statd-notify.service rpc-statd.service rpc-svcgssd.service rpc_pipefs.target var-lib-nfs-rpc_pipefs.mount'
Setting up nfs-kernel-server (1:2.6.1-lubuntul.2) ...
Created symlink /etc/systemd/system/nfs-client.target.wants/nfs-blkmap.service → /lib/systemd/system/nfs-blkmap.service.
Created symlink /etc/systemd/system/multi-user.target.wants/nfs-server.service → /lib/systemd/system/nfs-server.service.
/usr/sbin/policy-rc.d returned 101, not running 'start nfs-blkmap.service nfs-mountd.service nfs-server.service nfsdclld.service'

Creating config file /etc/exports with new version

Creating config file /etc/default/nfs-kernel-server with new version
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.8) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@elk:~# mkdir /var/nfs/backup -p
root@elk:~# ls -la /var/nfs/backup/
total 8
drwxr-xr-x 2 root root 4096 Oct 11 09:08 .
drwxr-xr-x 3 root root 4096 Oct 11 09:08 ..
root@elk:~# chown nobody:nogroup /var/nfs/backup/
root@elk:~# sudo systemctl restart nfs-kernel-server
root@elk:~# nano /etc/exports
root@elk:~# systemctl restart nfs-kernel-server
root@elk:~# ufw status
Status: inactive
root@elk:~# nano /etc/exports
root@elk:~# systemctl restart nfs-kernel-server

```

Cấu hình nfs vào server elk

elastic 192.168.69.194/app/management/data/snapshot_restore/repositories/backupp Search Elastic

Stack Management Snapshot and Restore Repositories Alerts and rules

Management

Ingest ⓘ
Ingest Pipelines

Data ⓘ
Index Management
Index Lifecycle Policies
Snapshot and Restore
Rollup Jobs
Transforms
Remote Clusters

Alerts and Insights ⓘ
Rules and Connectors
Reporting
Machine Learning Jobs

Kibana ⓘ
Index Patterns
Saved Objects
Tags
Search Sessions
Spaces
Advanced Settings

Stack ⓘ
License Management
Upgrade Assistant

Snapshot and Restore

Use repositories to store and recover backups of your Elasticsearch indices and clusters.

Snapshots **Repositories** Policies Restore Status

Search...

Name ↑	Type
backupp	Shared file system

Rows per page: 20

backupp
verification: true

Verification status
● Connected

Details

```
{
  "nodes": {
    "k1430rx4R0qY47j0vL6L7A": {
      "name": "e1k64"
    },
    "ETCNht58TGw186tuy_TeQw": {
      "name": "e1k2"
    },
    "weH1JQ70DqPW7vV1CpFSg": {
      "name": "e1k1"
    }
  }
}
```

Verify repository

Repository cleanup
You can clean up a repository to delete any unreferenced data from a snapshot. This may provide storage space savings. Note: If you regularly delete snapshots, this functionality will likely not be as beneficial and should be used less frequently.

Close Remove Edit

Cấu hình snapshot data vào nfs server

Snapshot and Restore

[Snapshot and Restore docs](#)

Use repositories to store and recover backups of your Elasticsearch indices and clusters.

Snapshots **Repositories** Policies Restore Status

The cron schedule for retaining snapshots is: `0 30 1 * * ?` ▶ ✎

Search... Repository Reload Create policy

Policy ↑	Snapshot name	Repository	Schedule	Retention	Next snapshot	Actions
daily	daily-snap	backup	0 31 9 * * ?	✓	Oct 12, 2024 4:31 PM GMT+7	▶ ✎ 🗑️

Rows per page: 20 ◀ 1 ▶

✓ Policy 'daily' is running

daily ↻

×

Summary History

Snapshots	Failures	Deleted	Deletion failures
0	0	0	0

General

Version	Last modified
1	Oct 11, 2024 4:31 PM GMT+7
Snapshot name	Repository
daily-snap	backup
Schedule	Next snapshot
0 31 9 * * ?	Oct 12, 2024 4:31 PM GMT+7
Data streams and indices	Ignore unavailable indices
<ul style="list-style-type: none">filebeat-7.17.24-2024.10.04-000001logstash-2024.10.04-000001	No
Allow partial shards	Include global state
No	Yes

Retention

Delete after
30d

× Close

Manage policy ▾

Backup cấu hình elasticsearh, kibana

```
root@elk1:/data/backup# cp -r /etc/elasticsearch/ /data/backup/elk1/  
root@elk1:/data/backup# cp -r /etc/kibana/ /data/backup/elk1/  
root@elk1:/data/backup# █
```

```

root@elk:/var/data/backup# cd elk1/
root@elk:/var/data/backup/elk1# ls
certs                    elasticsearch.yml      kibana                  roles.yml
elasticsearch.keystore   jvm.options           log4j2.properties     users
elasticsearch-plugins.example.yml  jvm.options.d         role_mapping.yml      users_roles
root@elk:/var/data/backup/elk1# cat elasticsearch.yml
# ===== Elasticsearch Configuration =====
#
# NOTE: Elasticsearch comes with reasonable defaults for most settings.
#       Before you set out to tweak and tune the configuration, make sure you
#       understand what are you trying to accomplish and the consequences.
#
# The primary way of configuring a node is via this file. This template lists
# the most important settings you may want to configure for a production cluster.
#
# Please consult the documentation for further information on configuration options:
# https://www.elastic.co/guide/en/elasticsearch/reference/index.html
#
# ----- Cluster -----
#
# Use a descriptive name for your cluster:
#
#cluster.name: my-application
#
# ----- Node -----
#
# Use a descriptive name for the node:
#
#node.name: node-1
#
# Add custom attributes to the node:
#
#node.attr.rack: r1
#
# ----- Paths -----
#
# Path to directory where to store the data (separate multiple locations by comma):
#
#path.data: /var/lib/elasticsearch
#
# Path to log files:
#
#path.logs: /var/log/elasticsearch

```

Snapshot thành công

The screenshot shows the Elastic Stack Management interface. The main heading is "Snapshot and Restore". Below the heading, there is a search bar and a "Repository" dropdown menu. A table lists the snapshots:

Snapshot	Repository	Indices	Shards	Failed shards	Date created ↓	Duration	Actions	
<input type="checkbox"/>	daily-snapp-td168z9sroktme-f6ugyxa	backupp	10	10	0	Oct 14, 2024 11:28 AM GMT+7	280s	

At the bottom of the table, it says "Rows per page: 20" and navigation arrows.

Lược sử

#1 - 08-10-2024 08:45 - Minh Pham

- Mô tả cập nhật
- Trạng thái thay đổi từ New tới In Progress

#2 - 14-10-2024 13:52 - Minh Pham

- Tập tin clipboard-202410141350-b4sct.png được thêm
- Tập tin clipboard-202410141350-qkqv2.png được thêm
- Tập tin clipboard-202410141351-pmygs.png được thêm
- Tập tin clipboard-202410141351-toy3l.png được thêm
- Tập tin clipboard-202410141351-w2y49.png được thêm
- Mô tả cập nhật

#3 - 14-10-2024 13:52 - Minh Pham

- Trạng thái thay đổi từ In Progress tới Closed

#4 - 14-10-2024 15:09 - Minh Pham

- Tập tin clipboard-202410141508-j0xtw.png được thêm
- Tập tin clipboard-202410141509-pexj2.png được thêm
- Mô tả cập nhật

#5 - 14-10-2024 15:11 - Minh Pham

- Mô tả cập nhật

Tập tin

clipboard-202410141350-b4sct.png	56,3 KB	14-10-2024	Minh Pham
clipboard-202410141350-qkqv2.png	166 KB	14-10-2024	Minh Pham
clipboard-202410141351-pmygs.png	66 KB	14-10-2024	Minh Pham
clipboard-202410141351-toy3l.png	63,3 KB	14-10-2024	Minh Pham
clipboard-202410141351-w2y49.png	114 KB	14-10-2024	Minh Pham
clipboard-202410141508-j0xtw.png	2,4 KB	14-10-2024	Minh Pham
clipboard-202410141509-pexj2.png	39,2 KB	14-10-2024	Minh Pham