

Elasticsearch 설치

Windows에 Elasticsearch 설치

- Elasticsearch window 버전 다운로드.
- zip 압축해제 후 C:\elasticsearch-9.0.1에 저장.
- .bin/elasticsearch.bat 실행
- http://localhost:9200 접속 확인
- cmd 창 닫을 시 Elasticsearch 종료
- 접속 시 로그인 비밀번호가 걸려 있다.
- cd C:\elasticsearch\bin 해서 elasticsearch-reset-password.bat를 powershell에서 실행해야 한다.
- .\elasticsearch-reset-password.bat -u elastic
- 그런데 이 경우 생성된 비밀번호는 랜덤값이다.
- 직접 비밀번호 수행하려면 다음과 같이 하면 된다.(powershell에서는 수행 안 됨)

```
curl -X POST "http://localhost:9200/_security/user/elastic/_password" \  
-H "Content-Type: application/json" \  
-u elastic:<자동생성된비밀번호> \  
-d '{"password":"새로운비밀번호"}'
```

WSL에 elasticsearch 설치(오류 발생)

- Elasticsearch 버전 8 이상부터는 Java가 내장돼 있어서 JDK를 별도로 설치하지 않아도 된다.

posershell에서 WSL 버전 확인

```
wsl --list --verbose
```

Ubuntu이고 버전이 2인지 확인

필수 패키지 설치

```
sudo apt update  
sudo apt install -y gnupg  
# Java 설치 (일부 기능 호환성)  
sudo apt install -y openjdk-17-jdk
```

Elasticsearch GPG 키 다운로드 및 등록

```
curl -fsSL https://artifacts.elastic.co/GPG-KEY-elasticsearch | gpg --dearmor |  
sudo tee /usr/share/keyrings/elasticsearch-keyring.gpg > /dev/null
```

APT 저장소 추가

```
echo "deb [signed-by=/usr/share/keyrings/elasticsearch-keyring.gpg]  
https://artifacts.elastic.co/packages/8.x/apt stable main" | sudo tee  
/etc/apt/sources.list.d/elasticsearch-8.x.list
```

패키지 정보 업데이트 및 Elasticsearch 설치

```
sudo apt update  
sudo apt install elasticsearch
```

부팅 시 자동 실행

```
sudo systemctl enable elasticsearch.service  
sudo systemctl start elasticsearch.service
```

서비스 상태 확인

```
sudo systemctl status elasticsearch.service  
curl -X GET http://localhost:9200
```

문제 발생 - 나중에 다시 시도 필요

- Ubuntu 보안 저장소 동기화 이슈

```
E: Failed to fetch  
https://artifacts.elastic.co/packages/8.x/apt/dists/stable/main/binary-  
amd64/Packages.bz2 File has unexpected size (76733 != 75707). Mirror sync in  
progress? [IP: 34.120.127.130 443]  
Hashes of expected file:  
- Filesize:75707 [weak]  
- SHA256:58d705b082291186c2d5e1a8f073ec44c9edfd5419666dafa2b1a68814dd0ed9  
- SHA1:2927882bf8c251965478705d444992fdd633196e [weak]  
- MD5Sum:187695bc2b11b48585ac3ad90a802e53 [weak]
```

```
Release file created at: Thu, 29 May 2025 09:19:23 +0000
E: Failed to fetch http://security.ubuntu.com/ubuntu/dists/jammy-
security/main/i18n/Translation-en.xz File has unexpected size (356600 != 358576).
Mirror sync in progress? [IP: 91.189.91.82 80]
Hashes of expected file:
- Filesize:358576 [weak]
- SHA256:22b3aa8f16b67ccc8c7d89a1771d57edc44a2f7604bd3bc851148fce3ecb3547
- SHA1:7a5d993705e331d07e2043f41c88fa1e264b5e51 [weak]
- MD5Sum:a56fc23b696f662068eccc4605b382f0 [weak]
Release file created at: Tue, 03 Jun 2025 09:11:00 +0000
E: Failed to fetch http://security.ubuntu.com/ubuntu/dists/jammy-
security/restricted/binary-amd64/Packages.xz
E: Failed to fetch http://security.ubuntu.com/ubuntu/dists/jammy-
security/restricted/i18n/Translation-en.xz
E: Failed to fetch http://security.ubuntu.com/ubuntu/dists/jammy-
security/universe/binary-amd64/Packages.xz
E: Failed to fetch http://security.ubuntu.com/ubuntu/dists/jammy-
security/universe/i18n/Translation-en.xz
E: Some index files failed to download. They have been ignored, or old ones used
instead.
(base) sk3456@DESKTOP-PQL10RV:~$ sudo apt install elasticsearch
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package elasticsearch
(base) sk3456@DESKTOP-PQL10RV:~$
```