실무에 활용하는 ElasticSearch 검색엔진 구축 4기

MAC OS 실습 환경 세팅하기

1. 자바8 설치하기 (이미 기존버전이 있는경우)

기존 버전 확인하기 (기존에 자바8이 설치되어 있는 경우는 설치가 필요 없음)

터미널> java -version

기존 JDK 버전(1.8이하 버전)이 나오는 경우

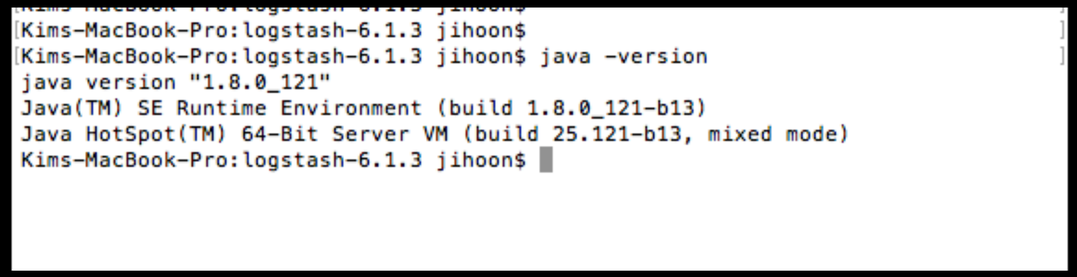
ls /Library/Java/JavaVirtualMachines

위 명령어로 현재 설치된 jdk1.8의 폴더명을 알아냄

sudo rm /usr/bin/java

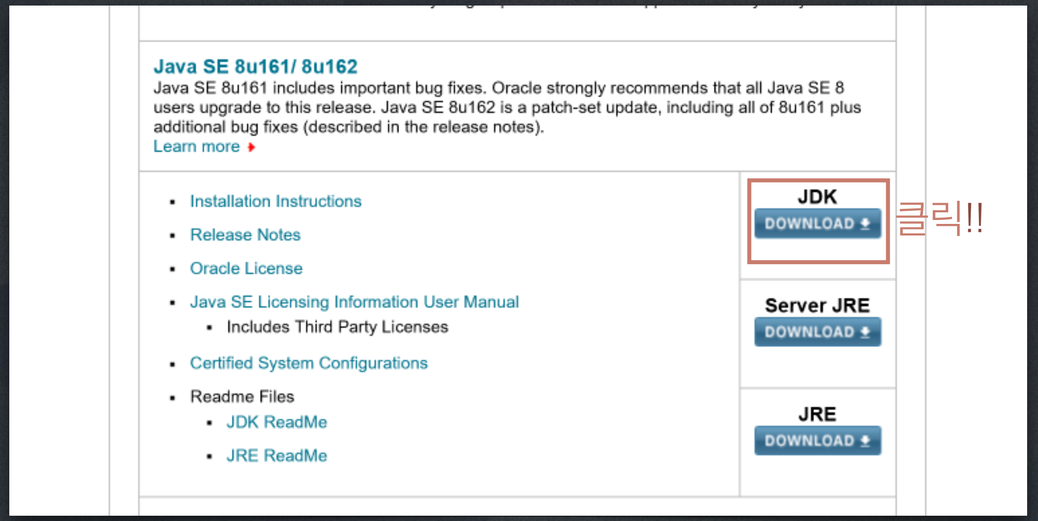
sudo ln -s /Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java /usr/bin/java

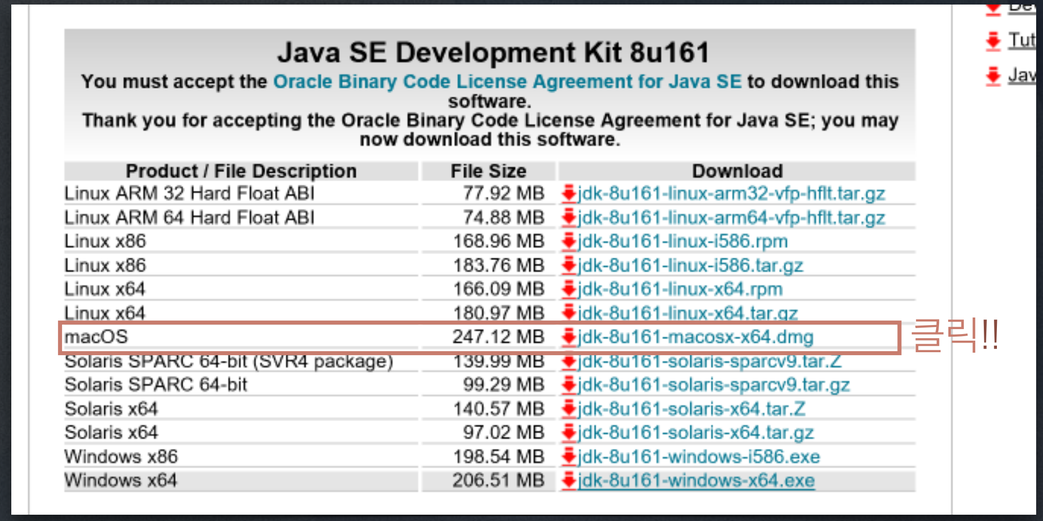
위 명령어로 소프트링크를 변경해 준다.



1. 자바8 설치하기 (자바가 설치되어 있지 않은 경우)

http://www.oracle.com/technetwork/java/javase/downloads/index.html 접속

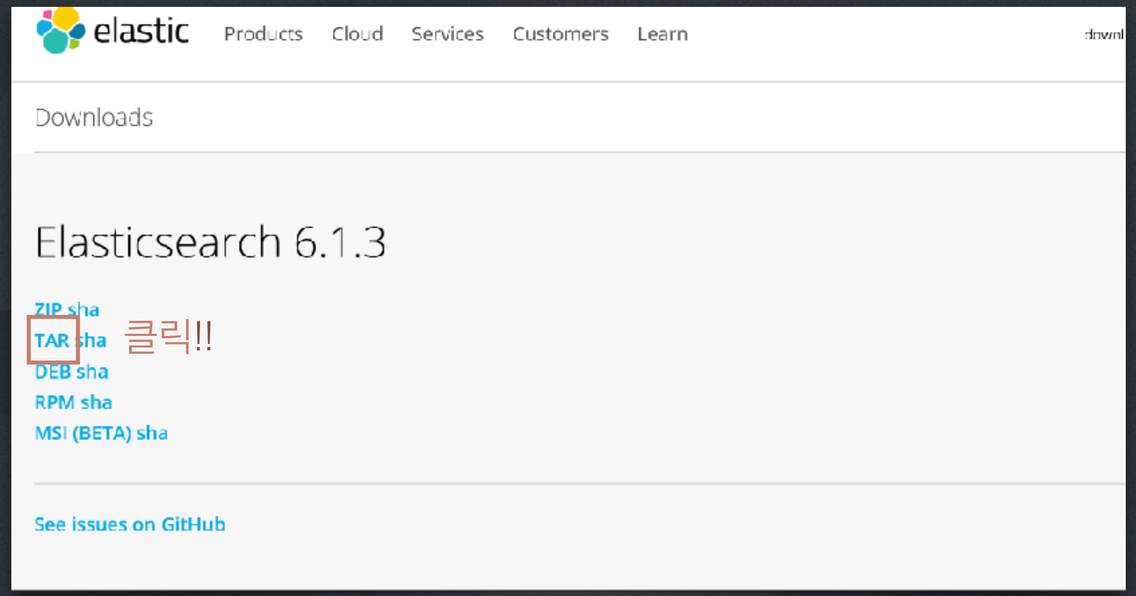




다운로드 후 파일을 클릭하여 실행하여 설치

2. 엘라스틱서치 다운로드

https://www.elastic.co/downloads/past-releases/elasticsearch-6-1-3 접속



적당한 위치에 압축해제

3. 엘라스틱서치 seunjeon 플러그인 설치

https://github.com/blaze94/fastcampus_ir_common/tree/master/lecture/lecture1 접속

elasticsearch-analysis-seunjeon-6.1.1.0.zip 다운로드 (ES_HOME에 복사)

터미널에서 ES_HOME으로 이동후

./bin/elasticsearch-plugin install file://`pwd`/elasticsearch-analysis-seunjeon-6.1.1.0.zip

실행!!

```
Kims-MacBook-Pro:elasticsearch-6.1.3 jihoon$ ./bin/elasticsearch-plugin install file://`pwd`/elasticsearch-analysis-seunjeon-6.1.1.0.zip
-> Downloading file:///Users/jihoon/Documents/elasticsearch-6.1.3/elasticsearch-analysis-seunjeon-6.1.1.0.zip
[=================================================] 100%
-> Installed analysis-seunjeon
Kims-MacBook-Pro:elasticsearch-6.1.3 jihoon$
```

4. 엘라스틱서치 실행 및 cerebro 실행

명령프롬프트에서 ES_HOME으로 이동후

bin\elasticsearch 실행

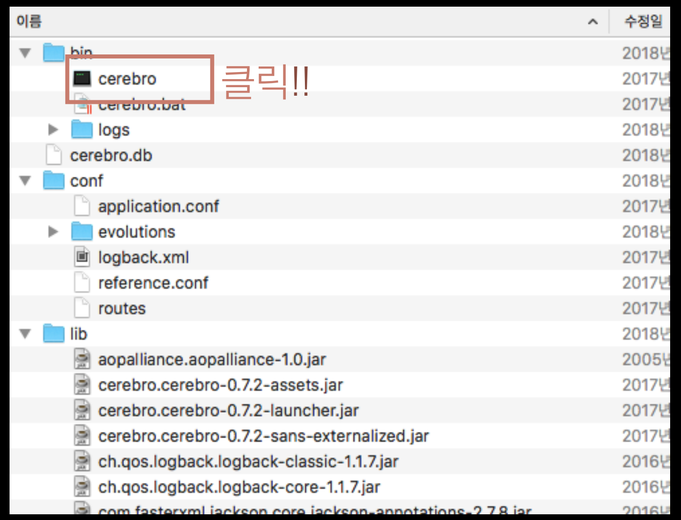
```
Kims-MacBook-Pro:elasticsearch-6.1.3 jihoon$ bin/elasticsearch
[2018-02-12T16:08:45,515][INFO ][o.e.n.Node               ] [] initializing ...
[2018-02-12T16:08:45,665][INFO ][o.e.e.NodeEnvironment    ] [OwHG0ty] using [1] data paths, mounts [[/ (/dev/disk1s1)]], net usable_space [18gb], net total_space [17
.9gb], types [apfs]
[2018-02-12T16:08:45,665][INFO ][o.e.e.NodeEnvironment    ] [OwHG0ty] heap size [990.7mb], compressed ordinary object pointers [true]
[2018-02-12T16:08:45,695][INFO ][o.e.n.Node               ] node name [OwHG0ty] derived from node ID [OwHG0tyFTMOrbJ6VnunQ_g]; set [node.name] to override
[2018-02-12T16:08:45,695][INFO ][o.e.n.Node               ] version[6.1.3], pid[14458], build[af51318/2018-01-26T18:22:55.523Z], OS[Mac OS X/10.13.1/x86_64], JVM[Orac
le Corporation/Java HotSpot(TM) 64-Bit Server VM/1.8.0_121/25.121-b13]
[2018-02-12T16:08:45,696][INFO ][o.e.n.Node               ] JVM arguments [-Xms1g, -Xmx1g, -XX:+UseConcMarkSweepGC, -XX:CMSInitiatingOccupancyFraction=75, -XX:+UseCMS
InitiatingOccupancyOnly, -XX:+AlwaysPreTouch, -Xss1m, -Djava.awt.headless=true, -Dfile.encoding=UTF-8, -Djna.nosys=true, -XX:-OmitStackTraceInFastThrow, -Dio.netty.no
Unsafe=true, -Dio.netty.noKeySetOptimization=true, -Dio.netty.recycler.maxCapacityPerThread=0, -Dlog4j.shutdownHookEnabled=false, -Dlog4j2.disable.jmx=true, -XX:+HeapD
DumpOnOutOfMemoryError, -Des.path.home=/Users/jihoon/Documents/elasticsearch-6.1.3, -Des.path.conf=/Users/jihoon/Documents/elasticsearch-6.1.3/config]
[2018-02-12T16:08:47,451][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [aggs-matrix-stats]
[2018-02-12T16:08:47,452][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [analysis-common]
[2018-02-12T16:08:47,453][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [ingest-common]
[2018-02-12T16:08:47,453][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [lang-expression]
[2018-02-12T16:08:47,454][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [lang-mustache]
[2018-02-12T16:08:47,454][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [lang-painless]
[2018-02-12T16:08:47,454][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [mapper-extras]
[2018-02-12T16:08:47,454][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [parent-join]
[2018-02-12T16:08:47,454][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [percolator]
[2018-02-12T16:08:47,455][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [reindex]
[2018-02-12T16:08:47,455][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [repository-url]
[2018-02-12T16:08:47,455][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [transport-netty4]
[2018-02-12T16:08:47,455][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded module [tribe]
[2018-02-12T16:08:47,456][INFO ][o.e.p.PluginsService     ] [OwHG0ty] loaded plugin [analysis-seunjeon]
[2018-02-12T16:08:50,689][INFO ][o.e.d.DiscoveryModule    ] [OwHG0ty] using discovery type [zen]
[2018-02-12T16:08:52,391][INFO ][o.e.n.Node               ] initialized
[2018-02-12T16:08:52,394][INFO ][o.e.n.Node               ] [OwHG0ty] starting ...
[2018-02-12T16:08:52,812][INFO ][o.e.t.TransportService   ] [OwHG0ty] publish_address {127.0.0.1:9300}, bound_addresses {[::1]:9300}, {127.0.0.1:9300}
[2018-02-12T16:08:55,935][INFO ][o.e.c.s.MasterService    ] [OwHG0ty] zen-disco-elected-as-master ([0] nodes joined), reason: new_master {OwHG0ty}{OwHG0tyFTMOrbJ6Vnu
Q_g}{iwc17S86SYG9vsnRbqmyMg}{127.0.0.1}{127.0.0.1:9300}
[2018-02-12T16:08:55,942][INFO ][o.e.c.s.ClusterApplierService] [OwHG0ty] new_master {OwHG0ty}{OwHG0tyFTMOrbJ6VnunQ_g}{iwc17S86SYG9vsnRbqmyMg}{127.0.0.1}{127.0.0.1:9
00}, reason: apply cluster state (from master [master {OwHG0ty}{OwHG0tyFTMOrbJ6VnunQ_g}{iwc17S86SYG9vsnRbqmyMg}{127.0.0.1}{127.0.0.1:9300} committed version [1] sour
e [zen-disco-elected-as-master ([0] nodes joined)]])
[2018-02-12T16:08:55,970][INFO ][o.e.h.n.Netty4HttpServerTransport] [OwHG0ty] publish_address {127.0.0.1:9200}, bound_addresses {[::1]:9200}, {127.0.0.1:9200}
[2018-02-12T16:08:55,970][INFO ][o.e.n.Node               ] [OwHG0ty] started
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
[2018-02-12T16:08:58,781][WARN ][o.e.m.j.JvmGcMonitorService] [OwHG0ty] [gc][6] overhead, spent [869ms] collecting in the last [1.3s]
[2018-02-12T16:08:59,786][INFO ][o.e.m.j.JvmGcMonitorService] [OwHG0ty] [gc][7] overhead, spent [354ms] collecting in the last [1s]
[2018-02-12T16:09:00,789][INFO ][o.e.m.j.JvmGcMonitorService] [OwHG0ty] [gc][8] overhead, spent [368ms] collecting in the last [1s]
[2018-02-12T16:09:01,188][INFO ][o.e.g.GatewayService     ] [OwHG0ty] recovered [1] indices into cluster_state
```

4. 엘라스틱서치 실행 및 cerebro 실행

https://github.com/blaze94/fastcampus_ir_common/tree/master/lecture/lecture1 접속

cerebro-0.6.6.zip 다운로드

cerebro 압축을 푼 폴더에서 실행



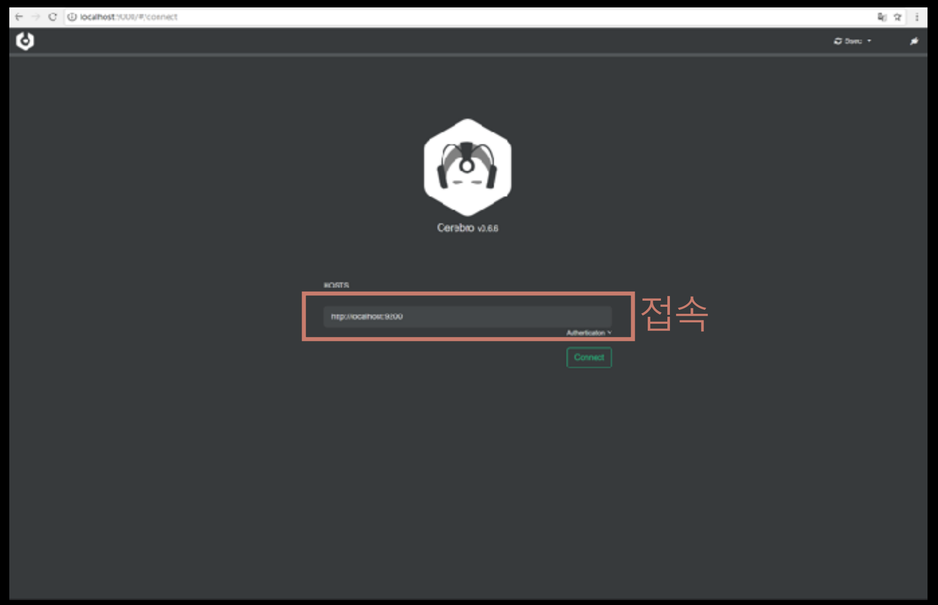
실행된 모습

```
Last login: Mon Feb 12 16:03:35 on ttys003
Kims-MacBook-Pro:~ jihoon$ /Users/jihoon/Documents/cerebro-0.7.2/bin/cerebro ; exit;
[info] play.api.Play - Application started (Prod)
[info] p.c.s.NettyServer - Listening for HTTP on /0:0:0:0:0:0:0:0:9000
```

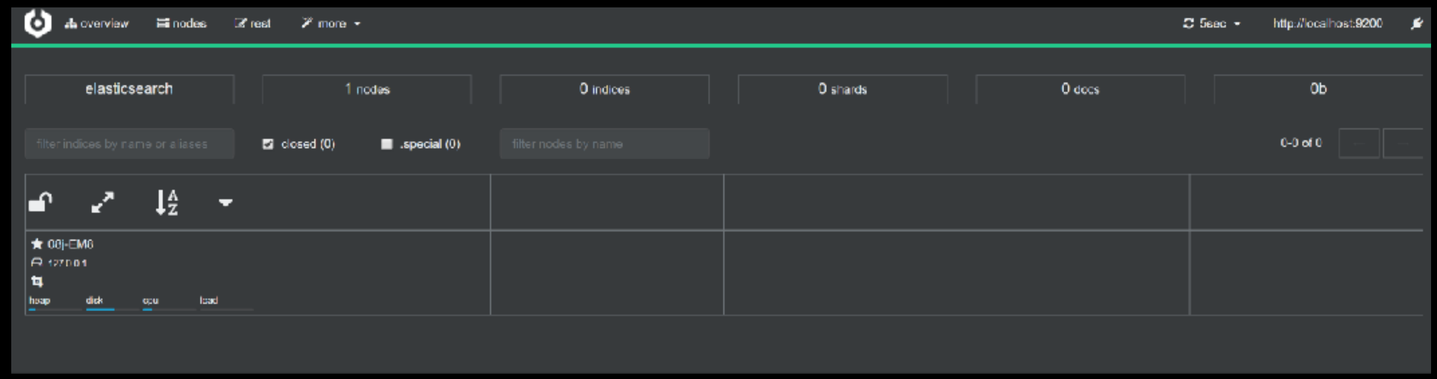
5. cerebro 접속

웹브라우저에서 http://localhost:9000 접속

http://localhost:9200 입력후 connect



접속후 화면



HP : 010-9303-0904

이메일 : jihoon@queryjet.com

문의 사항 있으시면 연락 부탁드립니다.

감사합니다.