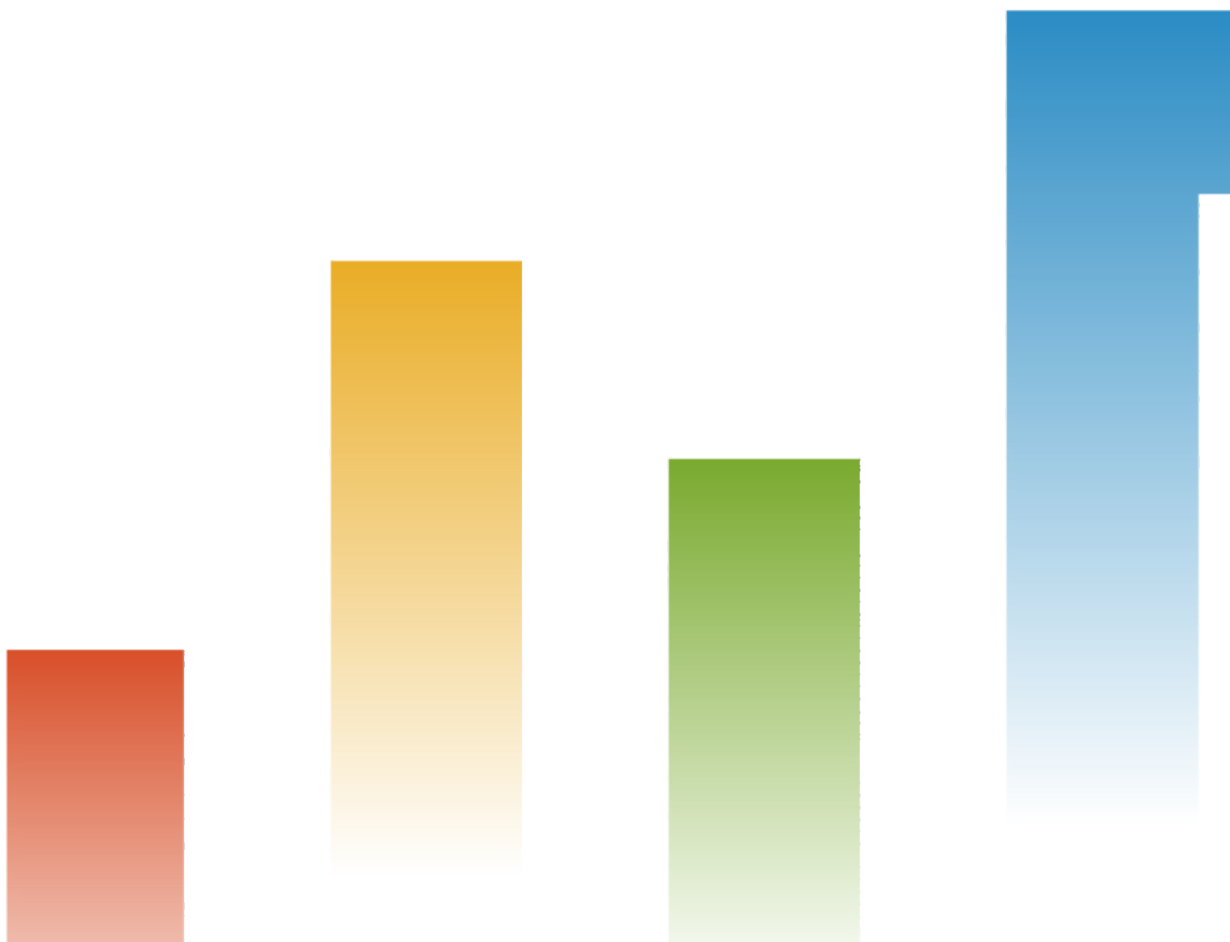


References

release date. 2026. 09. 10.



참조 문서

다음 자료 외에 기술 문서와 관련한 궁금한 사항이나 추가 내용 요청 등의 피드백은 docs@whatap.io로 보내주세요.

 **Open API**

 **Open API v2**

 **OpenMetrics 카디널리티**

OpenMetrics 카디널리티에 대해 이해하고 지표별 카디널리티를 직접 계산할 수 있습니다.

 **소프트웨어 프록시**

모니터링 대상 서버로부터 외부망에 직접적인 접근을 차단하고 단일 채널을 통해 외부 접속을 허용할 수 있습니다.

 **라이선스**

2 항목

Docs 다운로드

제품별, 종류별 문서 다운로드

주요 제품군 및 기타 문서를 PDF 파일로 제공합니다.

Application	Java PHP Node.js Python .NET Go
Server	Server
Container	Kubernetes
Database	PostgreSQL Oracle V1 V2 Pro MySQL SQL Server V1 V2 Tibero CUBRID V1 V2 Altibase V1 V2 Redis MongoDB IBM DB2 SAP ASE SingleStore
NPM	Network Performance Monitoring
NMS	Network Management System
URL	URL URL PRO
RUM	Browser Mobile
LLM	AI Agent Observability
AI	WhaTap AI
기타	MCP 확장 도구(Extensions) 관리 기능 Open API 참조 문서
교육 자료	OpenMetrics 대시보드 분석 성능 장애 유형 메트릭스 경고 알림 설정 MXQL

OpenMetrics 카디널리티

❗ OpenMetrics 카디널리티 문서의 목적

Prometheus 형식으로 노출된 지표를 저장한 후, 간단한 스크립트로 지표별 카디널리티를 직접 계산할 수 있습니다. 이를 통해 고객 환경에서 어떤 지표가 얼마나 다양한 레이블 조합을 가지는지 확인할 수 있습니다.

카디널리티란?

카디널리티(Cardinality)는 특정 지표(metric)에서 **값(value)**을 제외한 모든 **레이블(label)** 조합의 **고유 개수**를 의미합니다. 같은 지표 이름을 가진 데이터라도 레이블 구성이 동일하다면 하나로 취급합니다.

예시

00:00	<code>http_requests_total{url="/hello"}</code>	값: 100
00:00	<code>http_requests_total{url="/hello", name="whatap"}</code>	값: 93
00:01	<code>http_requests_total{url="/hello", name="whatap"}</code>	값: 114
00:01	<code>http_requests_total{url="/hello"}</code>	값: 5

위 데이터는 총 네 개지만, 레이블 구성을 기준으로 하면 다음과 같이 두 개로 계산됩니다.

- `url="/hello"` → 1개
- `url="/hello", name="whatap"` → 1개

따라서 이 지표의 카디널리티는 **2**입니다.

카디널리티 확인 방법

고객 환경에서 실제 수집되는 지표의 카디널리티를 직접 확인하려면 Prometheus 형식으로 노출된 지표를 기반으로 계산해야 합니다.

Step 1. Prometheus 지표 파일 추출

Prometheus 형식의 지표를 노출하는 endpoint(`/metrics`)를 호출하여 텍스트 파일로 저장합니다.

9100 포트는 Prometheus Node Exporter의 예시이며, 환경에 맞는 endpoint 주소를 입력하면 됩니다.

```
curl -s http://localhost:9100/metrics > metrics.txt
```

Step 2. 지표 형식 확인

저장된 파일(metrics.txt)의 데이터는 일반적으로 다음과 같은 형태를 가집니다.

여기서 카디널리티 계산의 기준은 **metric_name + 레이블 조합**입니다.

```
metric_name{label1="value1",label2="value2"} 123
```

Step 3. 카디널리티 계산

아래 명령어를 실행하면 각 지표(metric_name)별로 고유한 레이블 조합의 개수를 계산할 수 있습니다.

셸 스크립트를 다운로드 받은 뒤 아래 명령어를 실행합니다. [count_cardinality.sh 다운로드](#)

```
chmod +x count_cardinality.sh
./count_cardinality.sh metrics.txt
```

만약 셸스크립트를 다운로드 받아서 실행할 수 없는 환경이라면, 명령어를 직접 복사하여 실행합니다.

```
grep -v '^#' metrics.txt \
| awk -F'{' '{
  if (NF > 1) {
    name=$1
  } else {
    split($1, arr, " ")
    name=arr[1]
  }
  count[name]++
  total++
}
```

```
END {
  for (n in count) {
    print n, count[n]
  }
  print "총합", total
}' | sort
```

Step 4. 결과 해석

실행 결과는 다음과 같습니다. 각 지표의 카디널리티의 수와 카디널리티 총합을 나타냅니다.

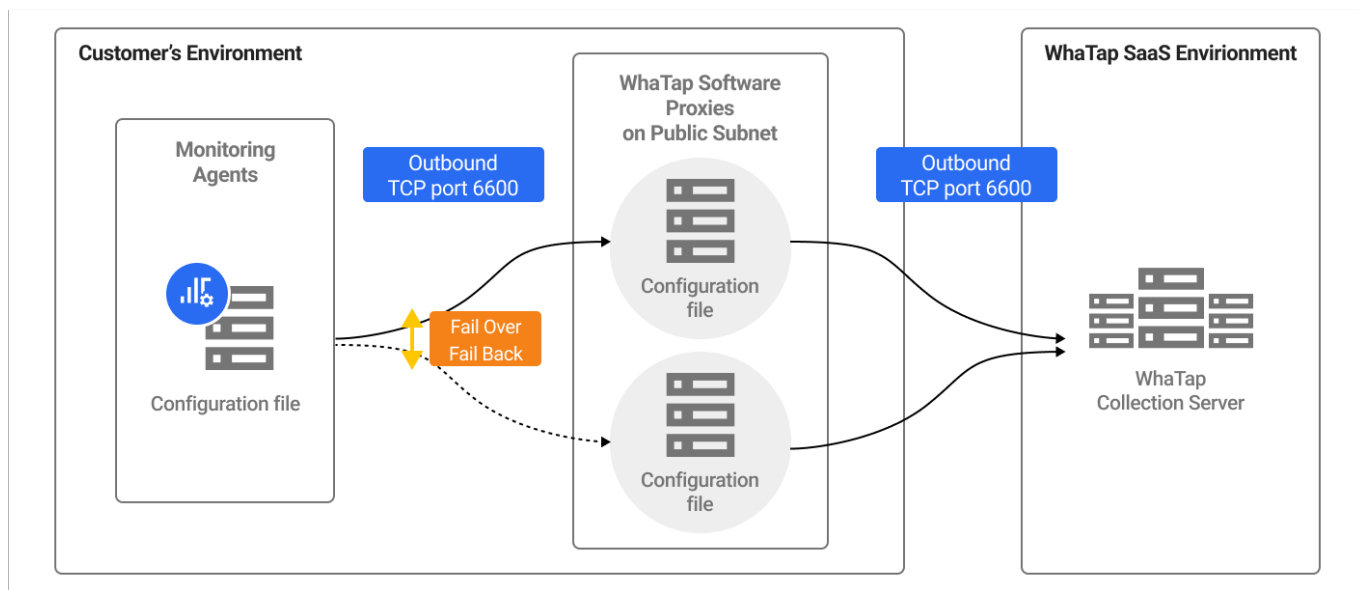
```
apiserver_flowcontrol_priority_level_request_utilization_bucket 44
go_gc_duration_seconds_count 1
go_gc_duration_seconds_sum 1
process_cpu_seconds_total 1
총합 47
```

- apiserver_flowcontrol_priority_level_request_utilization_bucket: 44개의 고유 레이블 조합
- go_gc_duration_seconds_count: 1개의 고유 레이블 조합
- go_gc_duration_seconds_sum: 1개의 고유 레이블 조합
- process_cpu_seconds_total: 1개의 고유 레이블 조합
- 총합: 47개(전체 카디널리티 수)

소프트웨어 프록시

모니터링 대상 서버로부터 외부망에 직접적인 접근을 차단하고 단일 채널을 통해 외부로의 접속을 허용하고자 하는 경우 TCP/UDP Proxy 서버를 구성해 와탭 서버에 데이터를 전송할 수 있습니다.

사용자가 직접 Proxy 서버를 구성하기 어려운 상황이라면 와탭이 제공하는 소프트웨어 기반의 **WhaTap Software Proxy**를 활용할 수 있습니다. 이를 통해 사용자는 다수의 서버가 외부망에 직접 접속하지 않고 **WhaTap Software Proxy**를 경유하도록 제어할 수 있습니다. [HAProxy](#)와 같은 범용 프록시를 이용할 수도 있습니다.



소프트웨어 프록시

에이전트 설치

proxy 설치 파일은 https://repo.whatap.io/agent_proxy/whatap_agent_proxy.zip에서 다운로드할 수 있습니다. 압축을 해제한 후, 파일을 와탭 수집 서버와 통신 가능한 서버에 저장하세요.

✓ 윈도우 환경에서 Server 에이전트를 설치할 때 프록시를 경유하도록 포트 번호를 설정하려면 다음 명령어를

✔ 실행하세요.

```
whatap_infra.exe /SILENT /SERIAL={엑세스 키} /PROXYIP={프록시 서버 IP} /PROXYPORT=6600
```

에이전트 설정

이 문서에서는 에이전트가 위치한 서버의 대역을 **내부망(Public Subnet)**, 소프트웨어 프록시가 위치한 서버의 대역을 **외부망(Public Subnet)**이라고 합니다.

외부망(Public Subnet)

whatap.agent.proxy- X.Y.Z .jar 파일을 적절한 경로에 복사했다면 와탭 수집 서버 IP와 포트를 설정하기 위한 proxy.conf 파일을 생성하세요. whatap.agent.proxy- X.Y.Z .jar 파일이 위치한 경로는 \$PROXY_HOME 입니다.

\$PROXY_HOME/proxy.conf

```
whatap.server.host=13.124.11.223/13.209.172.35 ## 와탭 수집 서버 주소
listen_port=6600 ## Proxy가 Listen하는 포트
```

❗ 위 예시는 AWS 서울 리전의 수집 서버 주소입니다. 데이터를 수집할 프로젝트가 있는 리전의 수집 서버 주소를 입력하세요. 리전별 주소는 [지원 환경](#) 문서의 방화벽 항목에서 확인할 수 있습니다.

내부망(Public Subnet)

\$WHATAP_HOME 은 에이전트를 설치한 경로입니다. \$WHATAP_HOME /whatap.conf 파일에서 whatap.server.host 항목을 외부망(Public Subnet) 서버의 IP로 변경하세요.

\$WHATAP_HOME/whatap.conf

```
whatap.server.host={외부망(Public Subnet) 프록시 서버 IP}
```

안정성을 위해 외부망(Public Subnet)에 프록시를 여러 개 구성할 수 있습니다. 슬래시(/)를 구분자로 입력하세요.

\$WHATAP_HOME/whatap.conf

```
whatap.server.host={외부망(Public Subnet) 프록시 서버 IP #1}/{외부망(Public Subnet) 프록시 서버 IP #2}
```

에이전트 실행

소프트웨어 프록시는 `java` 명령을 통해 실행하거나 `proxy.sh(proxy.bat)` 파일을 만들어 실행하세요.

java command

```
java -jar whatap.agent.proxy-X.Y.Z.jar &
```

proxy.sh (Windows: proxy.bat)

```
#!/usr/bin/env bash
EXE_JAR=`ls *.proxy* | sort -V | tail -1`
${JAVA_HOME}/bin/java ${JAVA_OPTS} -jar $EXE_JAR
```

```
sh proxy.sh &
```

❗ `proxy.sh(proxy.bat)` 파일을 만들어 실행할 경우 `$ chmod +x proxy.sh` 명령어로 실행 권한을 부여하세요.

소프트웨어 프록시 종료

소프트웨어 프록시가 작동 중이라면 `$PROXY_HOME/{PID}.proxy.run` 파일을 생성합니다. 이 파일을 삭제하면 소프트웨어 프록시는 종료합니다.

HAProxy

HAProxy를 이용해 프록시 서버를 구축하는 방법을 안내합니다.

내부망(Private Subnet)

```
$WHATAP_HOME/whatap.conf
```

```
license=<프로젝트 액세스 키>
whatap.server.host=192.168.203.60 ## 프록시 서버의 IP
```

외부망(Public Subnet)

다음을 참조해 [haproxy.cfg](#) 파일을 설정하세요.

```
/etc/haproxy/haproxy.cfg
```

```
frontend proxy_in
  mode      tcp
  bind      *:6600
  default_backend proxy_out
  log       global
  option    httplog

backend proxy_out
  mode      tcp
  server    server1 13.124.11.223:6600 maxconn 32
  server    server2 13.209.172.35:6600 maxconn 32
```

! 13.124.11.223 과 13.209.172.35 는 AWS 서울 리전의 수집 서버 주소입니다. 데이터를 수집할 프로젝트가 있는 리전의 수집 서버 주소로 바꾸세요. 리전별 주소는 [지원 환경](#) 문서의 방화벽 항목에서 확인할 수 있습니다.

Nginx 리버스 프록시

Nginx 리버스 프록시를 이용해 프록시 서버를 구축하는 방법을 안내합니다.

내부망(Private Subnet)

```
$WHATAP_HOME/whatap.conf
```

```
license=<프로젝트 액세스 키>
whatap.server.host=192.168.203.60 ## 프록시 서버의 IP
```

외부망(Public Subnet)

다음은 참조해 [nginx.conf](https://nginx.org/en/nginx.conf) 파일을 설정하세요.

/etc/nginx/nginx.conf

```
stream {
    upstream tcp_proxy {
        server 13.124.11.223:6600;
        server 13.209.172.35:6600;
    }
    server {
        listen 6600;
        proxy_pass tcp_proxy;
    }
}
```

 13.124.11.223 과 13.209.172.35 는 AWS 서울 리전의 수집 서버 주소입니다. 데이터를 수집할 프로젝트가 있는 리전의 수집 서버 주소로 바꾸세요. 리전별 주소는 [지원 환경](#) 문서의 방화벽 항목에서 확인할 수 있습니다.

에이전트 설치 확인

에이전트를 설치한 서버와 수집 서버 사이에 연결됐다면 [와탭 모니터링 서비스](#)에서 확인할 수 있습니다.

라이선스

와탭이 사용하고 있는 오픈 소스 라이선스와 사용하는 라이브러리를 안내합니다. 다음 자료 외에 궁금한 사항이나 추가 내용 요청 등의 피드백은 docs@whatap.io로 보내주세요.

오픈 소스 라이선스

와탭이 사용하는 오픈 소스 라이선스를 안내합니다.

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IBM WebSphere Application Server Network Deployment Patterns

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IBM API Connect Professional

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1. Geographic Scope and Governing Law

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- Multiple country amendments to Part 1, Section 14 (Governing Law and Jurisdiction);
- Americas country amendments to other Agreement terms;
- Asia Pacific country amendments to other Agreement terms; and
- Europe, Middle East, and Africa country amendments to other Agreement terms.

Multiple country amendments to Part 1, Section 14 (Governing Law and Jurisdiction)

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ASIA PACIFIC

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(7) in Hong Kong SAR and Macau SAR: the laws of Hong Kong Special Administrative Region (“SAR”);

(8) in Taiwan: the laws of Taiwan;

EUROPE, MIDDLE EAST, AND AFRICA

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(4) in Ecuador: the civil judges of Quito for executory or summary proceedings (as applicable);

(5) in Mexico: the courts located in Mexico City, Federal District;

(6) in Peru: the judges and tribunals of the judicial district of Lima, Cercado;

(7) in Uruguay: the courts of the city of Montevideo;

(8) in Venezuela: the courts of the metropolitan area of the city of Caracas;

EUROPE, MIDDLE EAST, AND AFRICA

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(15) in Italy: the courts of Milan;

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(18) in Turkey: the Istanbul Central Courts and Execution Directorates of Istanbul, the Republic of Turkey.

14.3 Arbitration

The following paragraph is added as a new Subsection 14.3 (Arbitration) as it applies for those countries identified below. The provisions of this Subsection 14.3 prevail over those of Subsection 14.2 (Jurisdiction) to the extent permitted by the applicable governing law and rules of procedure:

ASIA PACIFIC

(1) In Cambodia, India, Laos, Philippines, and Vietnam:

Disputes arising out of or in connection with this Agreement will be finally settled by arbitration which will be held in Singapore in accordance with the Arbitration Rules of Singapore International Arbitration Center ("SIAC Rules") then in effect. The arbitration award will be final and binding for the parties without appeal and will be in writing and set forth the findings of fact and the conclusions of law.

The number of arbitrators will be three, with each side to the dispute being entitled to appoint one arbitrator. The two arbitrators appointed by the parties will appoint a third arbitrator who will act as chairman of the proceedings. Vacancies in the post of chairman will be filled by the president of the SIAC. Other vacancies will be filled by the respective nominating party. Proceedings will continue from the stage they were at when the vacancy occurred.

If one of the parties refuses or otherwise fails to appoint an arbitrator within 30 days of the date the other party appoints its, the first appointed arbitrator will be the sole arbitrator, provided that the arbitrator was validly and properly appointed.

All proceedings will be conducted, including all documents presented in such proceedings, in the English language. The English language version of this Agreement prevails over any other language version.

(2) In the People's Republic of China:

In case no settlement can be reached, the disputes will be submitted to China International Economic and Trade Arbitration Commission for arbitration according to the then effective rules of the said Arbitration Commission. The arbitration will take place in Beijing and be conducted in Chinese. The arbitration award will be final and binding on both parties. During the course of arbitration, this agreement will continue to be performed except for the part which the parties are disputing and which is undergoing arbitration.

(3) In Indonesia:

Each party will allow the other reasonable opportunity to comply before it claims that the other has not met its obligations under this Agreement. The parties will attempt in good faith to resolve all disputes, disagreements, or claims between the parties relating to this Agreement. Unless otherwise required by applicable law without the possibility of contractual waiver or limitation, i) neither party will bring a legal action, regardless of form, arising out of or related to this Agreement or any transaction under it more than two years after the cause of action arose; and ii) after such time limit, any legal action arising out of this Agreement or any transaction under it and all respective rights related to any such action lapse.

Disputes arising out of or in connection with this Agreement shall be finally settled by arbitration that shall be held in Jakarta, Indonesia in accordance with the rules of Board of the Indonesian National Board of Arbitration

(Badan Arbitrase Nasional Indonesia or “BANI”) then in effect. The arbitration award shall be final and binding for the parties without appeal and shall be in writing and set forth the findings of fact and the conclusions of law.

The number of arbitrators shall be three, with each side to the dispute being entitled to appoint one arbitrator. The two arbitrators appointed by the parties shall appoint a third arbitrator who shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the chairman of the BANI. Other vacancies shall be filled by the respective nominating party. Proceedings shall continue from the stage they were at when the vacancy occurred.

If one of the parties refuses or otherwise fails to appoint an arbitrator within 30 days of the date the other party appoints its, the first appointed arbitrator shall be the sole arbitrator, provided that the arbitrator was validly and properly appointed.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English and/or Indonesian language.

EUROPE, MIDDLE EAST, AND AFRICA

(4) In Albania, Armenia, Azerbaijan, Belarus, Bosnia- Herzegovina, Bulgaria, Croatia, Former Yugoslav Republic of Macedonia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, Moldova, Montenegro, Poland, Romania, Russia, Serbia, Slovakia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan:

All disputes arising out of this Agreement or related to its violation, termination or nullity will be finally settled under the Rules of Arbitration and Conciliation of the International Arbitral Center of the Federal Economic Chamber in Vienna (Vienna Rules) by three arbitrators appointed in accordance with these rules. The arbitration will be held in Vienna, Austria, and the official language of the proceedings will be English. The decision of the arbitrators will be final and binding upon both parties. Therefore, pursuant to paragraph 598 (2) of the Austrian Code of Civil Procedure, the parties expressly waive the application of paragraph 595 (1) figure 7 of the Code. IBM may, however, institute proceedings in a competent court in the country of installation.

(5) In Estonia, Latvia, and Lithuania:

All disputes arising in connection with this Agreement will be finally settled in arbitration that will be held in Helsinki, Finland in accordance with the arbitration laws of Finland then in effect. Each party will appoint one arbitrator. The arbitrators will then jointly appoint the chairman. If arbitrators cannot agree on the chairman, then the Central Chamber of Commerce in Helsinki will appoint the chairman.

AMERICAS COUNTRY AMENDMENTS

CANADA

10.1 Items for Which IBM May be Liable

The following replaces Item 1 in the first paragraph of this Subsection 10.1 (Items for Which IBM May be Liable):

1. damages for bodily injury (including death) and physical harm to real property and tangible personal property caused by IBM's negligence; and

1. General

The following replaces Item 13.d:

d. Licensee agrees to comply with all applicable export and import laws and regulations, including those of that apply to goods of United States origin and that prohibit or limit export for certain uses or to certain users.

The following replaces Item 13.i:

i. No right or cause of action for any third party is created by this Agreement or any transaction under it, nor is IBM responsible for any third party claims against Licensee except as permitted by the Limitation of Liability section above for bodily injury (including death) or physical harm to real or tangible personal property caused by IBM's negligence for which IBM is legally liable to that third party.

The following is added as Item 13.m:

m. For purposes of this Item 13.m, "Personal Data" refers to information relating to an identified or identifiable individual made available by one of the parties, its personnel or any other individual to the other in connection with this Agreement. The following provisions apply in the event that one party makes Personal Data available to the other:

(1) General

(a) Each party is responsible for complying with any obligations applying to it under applicable Canadian data privacy laws and regulations ("Laws").

(b) Neither party will request Personal Data beyond what is necessary to fulfill the purpose(s) for which it is requested. The purpose(s) for requesting Personal Data must be reasonable. Each party will agree in advance as to the type of Personal Data that is required to be made available.

(2) Security Safeguards

(a) Each party acknowledges that it is solely responsible for determining and communicating to the other the appropriate technological, physical and organizational security measures required to protect Personal Data.

(b) Each party will ensure that Personal Data is protected in accordance with the security safeguards communicated and agreed to by the other.

(c) Each party will ensure that any third party to whom Personal Data is transferred is bound by the applicable terms of this section.

(d) Additional or different services required to comply with the Laws will be deemed a request for new services.

(3) Use

Each party agrees that Personal Data will only be used, accessed, managed, transferred, disclosed to third parties or otherwise processed to fulfill the purpose(s) for which it was made available.

(4) Access Requests

(a) Each party agrees to reasonably cooperate with the other in connection with requests to access or amend Personal Data.

(b) Each party agrees to reimburse the other for any reasonable charges incurred in providing each other assistance.

(c) Each party agrees to amend Personal Data only upon receiving instructions to do so from the other party or its personnel.

(5) Retention

Each party will promptly return to the other or destroy all Personal Data that is no longer necessary to fulfill the purpose(s) for which it was made available, unless otherwise instructed by the other or its personnel or required by law.

(6) Public Bodies Who Are Subject to Public Sector Privacy Legislation

For Licensees who are public bodies subject to public sector privacy legislation, this Item 13.m applies only to Personal Data made available to Licensee in connection with this Agreement, and the obligations in this section apply only to Licensee, except that: 1) section (2)(a) applies only to IBM; 2) sections (1) (a) and (4)(a) apply to both parties; and 3) section (4)(b) and the last sentence in (1)(b) do not apply.

PERU

1. Limitation of Liability

The following is added to the end of this Section 10 (Limitation of Liability):

Except as expressly required by law without the possibility of contractual waiver, Licensee and IBM intend that the limitation of liability in this Limitation of Liability section applies to damages caused by all types of claims and causes of action. If any limitation on or exclusion from liability in this section is held by a court of competent jurisdiction to be unenforceable with respect to a particular claim or cause of action, the parties intend that it nonetheless apply to the maximum extent permitted by applicable law to all other claims and causes of action.

10.1 Items for Which IBM May be Liable

The following is added at the end of this Subsection 10.1:

In accordance with Article 1328 of the Peruvian Civil Code, the limitations and exclusions specified in this section will not apply to damages caused by IBM's willful misconduct ("dolo") or gross negligence ("culpa inexcusable").

UNITED STATES OF AMERICA

1. Taxes

The following is added at the end of this Section 5 (Taxes)

For Programs delivered electronically in the United States for which Licensee claims a state sales and use tax exemption, Licensee agrees not to receive any tangible personal property (e.g., media and publications) associated with the electronic program.

Licensee agrees to be responsible for any sales and use tax liabilities that may arise as a result of Licensee's subsequent redistribution of Programs after delivery by IBM.

1. General

The following is added to Section 13 as Item 13.m:

U.S. Government Users Restricted Rights - Use, duplication or disclosure is restricted by the GSA IT Schedule 70 Contract with the IBM Corporation.

The following is added to Item 13.f:

Each party waives any right to a jury trial in any proceeding arising out of or related to this Agreement.

ASIA PACIFIC COUNTRY AMENDMENTS

AUSTRALIA

1. Taxes

The following sentences replace the first two sentences of Section 5 (Taxes):

If any government or authority imposes a duty, tax (other than income tax), levy, or fee, on this Agreement or on the Program itself, that is not otherwise provided for in the amount payable, Licensee agrees to pay it when IBM invoices Licensee. If the rate of GST changes, IBM may adjust the charge or other amount payable to take into account that change from the date the change becomes effective.

8.1 Limited Warranty

The following is added to Subsection 8.1 (Limited Warranty):

The warranties specified this Section are in addition to any rights Licensee may have under the Competition and Consumer Act 2010 or other legislation and are only limited to the extent permitted by the applicable legislation.

10.1 Items for Which IBM May be Liable

The following is added to Subsection 10.1 (Items for Which IBM May be Liable):

Where IBM is in breach of a condition or warranty implied by the Competition and Consumer Act 2010, IBM's liability is limited to the repair or replacement of the goods, or the supply of equivalent goods. Where that condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of a kind ordinarily obtained for personal, domestic or household use or consumption, then none of the limitations in this paragraph apply.

HONG KONG SAR, MACAU SAR, AND TAIWAN

As applies to licenses obtained in Taiwan and the special administrative regions, phrases throughout this Agreement containing the word "country" (for example, "the country in which the original Licensee was granted the license" and "the country in which Licensee obtained the Program license") are replaced with the following:

(1) In Hong Kong SAR: "Hong Kong SAR"

(2) In Macau SAR: "Macau SAR" except in the Governing Law clause (Section 14.1)

(3) In Taiwan: "Taiwan."

INDIA

10.1 Items for Which IBM May be Liable

The following replaces the terms of Items 1 and 2 of the first paragraph:

1. liability for bodily injury (including death) or damage to real property and tangible personal property will be limited to that caused by IBM's negligence; and 2) as to any other actual damage arising in any situation involving nonperformance by IBM pursuant to, or in any way related to the subject of this Agreement, IBM's liability will be limited to the charge paid by Licensee for the individual Program that is the subject of the claim.

1. General

The following replaces the terms of Item 13.g:

If no suit or other legal action is brought, within three years after the cause of action arose, in respect of any claim that either party may have against the other, the rights of the concerned party in respect of such claim will be forfeited and the other party will stand released from its obligations in respect of such claim.

INDONESIA

3.3 Term and Termination

The following is added to the last paragraph:

Both parties waive the provision of article 1266 of the Indonesian Civil Code, to the extent the article provision requires such court decree for the termination of an agreement creating mutual obligations.

JAPAN

1. General

The following is inserted after Item 13.f:

Any doubts concerning this Agreement will be initially resolved between us in good faith and in accordance with the principle of mutual trust.

MALAYSIA

10.2 Items for Which IBM Is not Liable

The word "SPECIAL" in Item 10.2b is deleted.

NEW ZEALAND

8.1 Limited Warranty

The following is added:

The warranties specified in this Section are in addition to any rights Licensee may have under the Consumer Guarantees Act 1993 or other legislation which cannot be excluded or limited. The Consumer Guarantees Act 1993 will not apply in respect of any goods which IBM provides, if Licensee requires the goods for the purposes of a business as defined in that Act.

1. Limitation of Liability

The following is added:

Where Programs are not obtained for the purposes of a business as defined in the Consumer Guarantees Act 1993, the limitations in this Section are subject to the limitations in that Act.

PEOPLE'S REPUBLIC OF CHINA

1. Charges

The following is added:

All banking charges incurred in the People's Republic of China will be borne by Licensee and those incurred outside the People's Republic of China will be borne by IBM.

PHILIPPINES

10.2 Items for Which IBM Is not Liable

The following replaces the terms of Item 10.2b:

b. special (including nominal and exemplary damages), moral, incidental, or indirect damages or for any economic consequential damages; or

SINGAPORE

10.2 Items for Which IBM Is not Liable

The words "SPECIAL" and "ECONOMIC" are deleted from Item 10.2b.

1. General

The following replaces the terms of Item 13.i:

Subject to the rights provided to IBM's suppliers and Program developers as provided in Section 10 above

(Limitation of Liability), a person who is not a party to this Agreement will have no right under the Contracts (Right of Third Parties) Act to enforce any of its terms.

TAIWAN

8.1 Limited Warranty

The last paragraph is deleted.

10.1 Items for Which IBM May Be Liable

The following sentences are deleted:

This limit also applies to any of IBM's subcontractors and Program developers. It is the maximum for which IBM and its subcontractors and Program developers are collectively responsible.

EUROPE, MIDDLE EAST, AFRICA (EMEA) COUNTRY AMENDMENTS

EUROPEAN UNION MEMBER STATES

1. Warranty and Exclusions

The following is added to Section 8 (Warranty and Exclusion):

In the European Union ("EU"), consumers have legal rights under applicable national legislation governing the sale of consumer goods. Such rights are not affected by the provisions set out in this Section 8 (Warranty and Exclusions). The territorial scope of the Limited Warranty is worldwide.

EU MEMBER STATES AND THE COUNTRIES IDENTIFIED BELOW

Iceland, Liechtenstein, Norway, Switzerland, Turkey, and any other European country that has enacted local data privacy or protection legislation similar to the EU model.

1. General

The following replaces Item 13.e:

(1) Definitions - For the purposes of this Item 13.e, the following additional definitions apply:

(a) Business Contact Information - business-related contact information disclosed by Licensee to IBM, including names, job titles, business addresses, telephone numbers and email addresses of Licensee's employees and contractors. For Austria, Italy and Switzerland, Business Contact Information also includes information about

Licensee and its contractors as legal entities (for example, Licensee's revenue data and other transactional information)

(b) Business Contact Personnel - Licensee employees and contractors to whom the Business Contact Information relates.

(c) Data Protection Authority - the authority established by the Data Protection and Electronic Communications Legislation in the applicable country or, for non-EU countries, the authority responsible for supervising the protection of personal data in that country, or (for any of the foregoing) any duly appointed successor entity thereto.

(d) Data Protection & Electronic Communications Legislation - (i) the applicable local legislation and regulations in force implementing the requirements of EU Directive 95/46/EC (on the protection of individuals with regard to the processing of personal data and on the free movement of such data) and of EU Directive 2002/58/EC (concerning the processing of personal data and the protection of privacy in the electronic communications sector); or (ii) for non-EU countries, the legislation and/or regulations passed in the applicable country relating to the protection of personal data and the regulation of electronic communications involving personal data, including (for any of the foregoing) any statutory replacement or modification thereof.

(e) IBM Group - International Business Machines Corporation of Armonk, New York, USA, its subsidiaries, and their respective Business Partners and subcontractors.

(2) Licensee authorizes IBM:

(a) to process and use Business Contact Information within IBM Group in support of Licensee including the provision of support services, and for the purpose of furthering the business relationship between Licensee and IBM Group, including, without limitation, contacting Business Contact Personnel (by email or otherwise) and marketing IBM Group products and services (the "Specified Purpose"); and

(b) to disclose Business Contact Information to other members of IBM Group in pursuit of the Specified Purpose only.

(3) IBM agrees that all Business Contact Information will be processed in accordance with the Data Protection & Electronic Communications Legislation and will be used only for the Specified Purpose.

(4) To the extent required by the Data Protection & Electronic Communications Legislation, Licensee represents that (a) it has obtained (or will obtain) any consents from (and has issued (or will issue) any notices to) the Business Contact Personnel as are necessary in order to enable IBM Group to process and use the Business Contact Information for the Specified Purpose.

(5) Licensee authorizes IBM to transfer Business Contact Information outside the European Economic Area, provided that the transfer is made on contractual terms approved by the Data Protection Authority or the transfer is otherwise permitted under the Data Protection & Electronic Communications Legislation.

AUSTRIA

8.2 Exclusions

The following is deleted from the first paragraph:

MERCHANTABILITY, SATISFACTORY QUALITY

1. Limitation of Liability

The following is added:

The following limitations and exclusions of IBM's liability do not apply for damages caused by gross negligence or willful misconduct.

10.1 Items for Which IBM May Be Liable

The following replaces the first sentence in the first paragraph:

Circumstances may arise where, because of a default by IBM in the performance of its obligations under this Agreement or other liability, Licensee is entitled to recover damages from IBM.

In the second sentence of the first paragraph, delete entirely the parenthetical phrase:

“(including fundamental breach, negligence, misrepresentation, or other contract or tort claim)”.

10.2 Items for Which IBM Is Not Liable

The following replaces Item 10.2b:

b. indirect damages or consequential damages; or

BELGIUM, FRANCE, ITALY, AND LUXEMBOURG

1. Limitation of Liability

The following replaces the terms of Section 10 (Limitation of Liability) in its entirety:

Except as otherwise provided by mandatory law:

10.1 Items for Which IBM May Be Liable

IBM's entire liability for all claims in the aggregate for any damages and losses that may arise as a consequence of the fulfillment of its obligations under or in connection with this Agreement or due to any other cause related to this Agreement is limited to the compensation of only those damages and losses proved and actually arising as an immediate and direct consequence of the non-fulfillment of such obligations (if IBM is at fault) or of such cause, for a maximum amount equal to the charges (if the Program is subject to fixed term charges, up to twelve months' charges) Licensee paid for the Program that has caused the damages.

The above limitation will not apply to damages for bodily injuries (including death) and damages to real property and tangible personal property for which IBM is legally liable.

10.2 Items for Which IBM Is Not Liable

UNDER NO CIRCUMSTANCES IS IBM OR ANY OF ITS PROGRAM DEVELOPERS LIABLE FOR ANY OF THE FOLLOWING, EVEN IF INFORMED OF THEIR POSSIBILITY: 1) LOSS OF, OR DAMAGE TO, DATA; 2) INCIDENTAL, EXEMPLARY OR INDIRECT DAMAGES, OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES; AND / OR 3) LOST PROFITS, BUSINESS, REVENUE, GOODWILL, OR ANTICIPATED SAVINGS, EVEN IF THEY ARISE AS AN IMMEDIATE CONSEQUENCE OF THE EVENT THAT GENERATED THE DAMAGES.

10.3 Suppliers and Program Developers

The limitation and exclusion of liability herein agreed applies not only to the activities performed by IBM but also to the activities performed by its suppliers and Program developers, and represents the maximum amount for which IBM as well as its suppliers and Program developers are collectively responsible.

GERMANY

8.1 Limited Warranty

The following is inserted at the beginning of Section 8.1:

The Warranty Period is twelve months from the date of delivery of the Program to the original Licensee.

8.2 Exclusions

Section 8.2 is deleted in its entirety and replaced with the following:

Section 8.1 defines IBM's entire warranty obligations to Licensee except as otherwise required by applicable statutory law.

1. Limitation of Liability

The following replaces the Limitation of Liability section in its entirety:

- a. IBM will be liable without limit for 1) loss or damage caused by a breach of an express guarantee; 2) damages or losses resulting in bodily injury (including death); and 3) damages caused intentionally or by gross negligence.
- b. In the event of loss, damage and frustrated expenditures caused by slight negligence or in breach of essential contractual obligations, IBM will be liable, regardless of the basis on which Licensee is entitled to claim damages from IBM (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), per claim only up to the greater of 500,000 euro or the charges (if the Program is subject to fixed term charges, up to 12 months' charges) Licensee paid for the Program that caused the loss or damage. A number of defaults which together result in, or contribute to, substantially the same loss or damage will be treated as one default.
- c. In the event of loss, damage and frustrated expenditures caused by slight negligence, IBM will not be liable for indirect or consequential damages, even if IBM was informed about the possibility of such loss or damage.
- d. In case of delay on IBM's part: 1) IBM will pay to Licensee an amount not exceeding the loss or damage caused by IBM's delay and 2) IBM will be liable only in respect of the resulting damages that Licensee suffers, subject to the provisions of Items a and b above.

1. General

The following replaces the provisions of 13.g:

Any claims resulting from this Agreement are subject to a limitation period of three years, except as stated in Section 8.1 (Limited Warranty) of this Agreement.

The following replaces the provisions of 13.i:

No right or cause of action for any third party is created by this Agreement, nor is IBM responsible for any third party claims against Licensee, except (to the extent permitted in Section 10 (Limitation of Liability)) for: i) bodily injury (including death); or ii) damage to real or tangible personal property for which (in either case) IBM is legally liable to that third party.

IRELAND

8.2 Exclusions

The following paragraph is added:

Except as expressly provided in these terms and conditions, or Section 12 of the Sale of Goods Act 1893 as amended by the Sale of Goods and Supply of Services Act, 1980 (the “1980 Act”), all conditions or warranties (express or implied, statutory or otherwise) are hereby excluded including, without limitation, any warranties implied by the Sale of Goods Act 1893 as amended by the 1980 Act (including, for the avoidance of doubt, Section 39 of the 1980 Act).

IRELAND AND UNITED KINGDOM

1. Agreement Structure

The following sentence is added:

Nothing in this paragraph shall have the effect of excluding or limiting liability for fraud.

10.1 Items for Which IBM May Be Liable

The following replaces the first paragraph of the Subsection:

For the purposes of this section, a “Default” means any act, statement, omission or negligence on the part of IBM in connection with, or in relation to, the subject matter of an Agreement in respect of which IBM is legally liable to Licensee, whether in contract or in tort. A number of Defaults which together result in, or contribute to, substantially the same loss or damage will be treated as one Default.

Circumstances may arise where, because of a Default by IBM in the performance of its obligations under this Agreement or other liability, Licensee is entitled to recover damages from IBM. Regardless of the basis on which Licensee is entitled to claim damages from IBM and except as expressly required by law without the possibility of contractual waiver, IBM's entire liability for any one Default will not exceed the amount of any direct damages, to the extent actually suffered by Licensee as an immediate and direct consequence of the default, up to the greater of (1) 500,000 euro (or the equivalent in local currency) or (2) 125% of the charges (if the Program is subject to fixed term charges, up to 12 months' charges) for the Program that is the subject of the claim. Notwithstanding the foregoing, the amount of any damages for bodily injury (including death) and damage to real property and tangible personal property for which IBM is legally liable is not subject to such limitation.

10.2 Items for Which IBM is Not Liable

The following replaces Items 10.2b and 10.2c:

- b. special, incidental, exemplary, or indirect damages or consequential damages; or
- c. wasted management time or lost profits, business, revenue, goodwill, or anticipated savings.

Z125-3301-14 (07/2011)



Inclusive terminology note: The Mobile First Platform team is making changes to support the IBM® initiative to replace racially biased and other discriminatory language in our code and content with more inclusive language. While IBM values the use of inclusive language, terms that are outside of IBM's direct influence are sometimes required for the sake of maintaining user understanding. As other industry leaders join IBM in embracing the use of inclusive language, IBM will continue to update the documentation to reflect those changes.

Last modified on June 15, 2016

ISC

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Version 2.1, February 1999

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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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라이브러리 표기

라이선스 종류	사용 라이브러리
AFL-2.1 OR BSD-3-Clause	json-schema@0.4.0
Apache 2.0	netty-all-4.0.56.Final.jar
Apache 2.0	netty-all-4.0.4.Final.jar
Apache 2.0	httpclient-4.5.1.jar
Apache 2.0	httpcore-4.4.3.jar
Apache 2.0	commons-logging-1.2.jar
Apache 2.0	commons-codec-1.9.jar
Apache 2.0	rx-netty-0.3.18.jar
Apache 2.0	netty-codec-http-4.0.21.Final.jar
Apache 2.0	netty-codec-4.0.21.Final.jar
Apache 2.0	netty-transport-4.0.21.Final.jar
Apache 2.0	netty-buffer-4.0.21.Final.jar
Apache 2.0	netty-common-4.0.21.Final.jar
Apache 2.0	netty-handler-4.0.21.Final.jar
Apache 2.0	netty-transport-native-epoll-4.0.21.Final.jar
Apache 2.0	rxjava-1.0.0-rc.7.jar

라이선스 종류	사용 라이브러리
Apache 2.0	ribbon-core-2.3.0.jar
Apache 2.0	annotations-2.0.0.jar
Apache 2.0	guava-16.0.jar
Apache 2.0	commons-configuration-1.8.jar
Apache 2.0	commons-lang-2.6.jar
Apache 2.0	archaius-core-0.7.6.jar
Apache 2.0	jsr305-3.0.1.jar
Apache 2.0	jackson-annotations-2.4.3.jar
Apache 2.0	jackson-core-2.4.3.jar
Apache 2.0	jackson-databind-2.4.3.jar
Apache 2.0	ribbon-loadbalancer-2.3.0.jar
Apache 2.0	netflix-statistics-0.1.1.jar
Apache 2.0	servo-core-0.10.1.jar
Apache 2.0	servo-internal-0.10.1.jar
Apache 2.0	netflix-commons-util-0.1.1.jar
Apache 2.0	spring-web-5.0.9.RELEASE.jar
Apache 2.0	spring-beans-5.0.9.RELEASE.jar
Apache 2.0	spring-core-5.0.9.RELEASE.jar

라이선스 종류	사용 라이브러리
Apache 2.0	spring-jcl-5.0.9.RELEASE.jar
Apache 2.0	jta-1.1.jar
Apache 2.0	javax.inject-1.jar
Apache 2.0	play_2.10-2.4.0.jar
Apache 2.0	scala-library-2.10.5.jar
Apache 2.0	build-link-2.4.0.jar
Apache 2.0	play-exceptions-2.4.0.jar
Apache 2.0	play-iteratees_2.10-2.4.0.jar
Apache 2.0	config-1.3.0.jar
Apache 2.0	play-json_2.10-2.4.0.jar
Apache 2.0	play-functional_2.10-2.4.0.jar
Apache 2.0	play-datacommons_2.10-2.4.0.jar
Apache 2.0	joda-time-2.7.jar
Apache 2.0	joda-convert-1.7.jar
Apache 2.0	scala-reflect-2.10.5.jar
Apache 2.0	jackson-core-2.5.3.jar
Apache 2.0	jackson-annotations-2.5.3.jar
Apache 2.0	jackson-databind-2.5.3.jar

라이선스 종류	사용 라이브러리
Apache 2.0	jackson-datatype-jdk8-2.5.3.jar
Apache 2.0	jackson-datatype-jsr310-2.5.3.jar
Apache 2.0	play-netty-utils-2.4.0.jar
Apache 2.0	jcl-over-slf4j-1.7.12.jar
Apache 2.0	twirl-api_2.10-1.1.1.jar
Apache 2.0	commons-lang3-3.4.jar
Apache 2.0	commons-codec-1.10.jar
Apache 2.0	xml-apis-1.4.01.jar
Apache 2.0	guice-4.0.jar
Apache 2.0	guava-16.0.1.jar
Apache 2.0	guice-assistedinject-4.0.jar
Apache 2.0	sigar-1.6.4.jar
Apache 2.0	log4j-1.2.15.jar
Apache 2.0	reactor-core-3.3.0.RELEASE.jar
Apache 2.0	"df": "1.1.1"
Apache 2.0	"long": "3.2.0"
Apache 2.0	xercesImpl-2.11.0.jar
Apache 2.0	org.slf4j:jcl-over-slf4j

라이선스 종류	사용 라이브러리
Apache 2.0	org.slf4j:log4j-over-slf4j
Apache 2.0	com.maxmind.geoip2:geoip2
Apache 2.0	io.netty:netty-all
Apache 2.0	org.yaml:snakeyaml
Apache 2.0	joda-time:joda-time
Apache 2.0	org.apache.poi:poi-ooxml-schemas
Apache 2.0	@ampproject/remapping@2.2.0
Apache 2.0	@webassemblyjs/leb128@1.11.1
Apache 2.0	@xtuc/long@4.2.2
Apache 2.0	adler-32@1.1.0
Apache 2.0	adler-32@1.2.0
Apache 2.0	adler-32@1.3.1
Apache 2.0	aws-sdk@2.1282.0
Apache 2.0	aws-sign2@0.7.0
Apache 2.0	caseless@0.12.0
Apache 2.0	cfb@0.13.2
Apache 2.0	cfb@1.0.8
Apache 2.0	cfb@1.2.2

라이선스 종류	사용 라이브러리
Apache 2.0	codepage@1.11.1
Apache 2.0	codepage@1.12.2
Apache 2.0	codepage@1.15.0
Apache 2.0	crc-32@1.1.1
Apache 2.0	crc-32@1.2.2
Apache 2.0	draft-convert@2.1.13
Apache 2.0	draft-js-multidecorators@1.0.0
Apache 2.0	ecdsa-sig-formatter@1.0.11
Apache 2.0	exit-on-epipe@1.0.1
Apache 2.0	forever-agent@0.6.1
Apache 2.0	frac@1.1.2
Apache 2.0	google-auth-library@0.10.0
Apache 2.0	googleapis@19.0.0
Apache 2.0	jmespath@0.16.0
Apache 2.0	json-to-pretty-yaml@1.2.2
Apache 2.0	less@4.1.3
Apache 2.0	oauth-sign@0.9.0
Apache 2.0	printj@1.1.2

라이선스 종류	사용 라이브러리
Apache 2.0	request@2.88.2
Apache 2.0	rxjs@6.6.7
Apache 2.0	spdx-correct@3.1.1
Apache 2.0	ssf@0.10.3
Apache 2.0	ssf@0.11.2
Apache 2.0	tunnel-agent@0.6.0
Apache 2.0	validate-npm-package-license@3.0.4
Apache 2.0	voc@1.0.0
Apache 2.0	wmf@1.0.2
Apache 2.0	word@0.3.0
Apache 2.0	xlsx@0.11.19
Apache 2.0	xlsx@0.11.5
Apache 2.0	xlsx@0.17.5
Apache 2.0	com.fasterxml.jackson.core:jackson-core
Apache 2.0	com.fasterxml.jackson.core:jackson-databind
Apache 2.0	org.apache.commons:commons-text
Apache 2.0	org.assertj:assertj-core
Apache 2.0	com.navercorp.lucy:lucy-xss

라이선스 종류	사용 라이브러리
Apache 2.0	commons-codec:commons-codec
Apache 2.0	commons-validator:commons-validator
Apache 2.0	org.apache.httpcomponents:httpclient
Apache 2.0	org.apache.httpcomponents:httpcore
Apache 2.0	org.springframework.boot:spring-boot-starter-data-jpa
Apache 2.0	org.springframework.boot:spring-boot-starter-jdbc
Apache 2.0	org.springframework.boot:spring-boot-starter-test
Apache 2.0	org.springframework.boot:spring-boot-starter-validation
Apache 2.0	org.springframework.boot:spring-boot-starter-web
Apache 2.0	com.google.guava:guava
Apache 2.0	io.grpc:grpc-api
Apache 2.0	io.grpc:grpc-netty-shaded
Apache 2.0	io.grpc:grpc-protobuf
Apache 2.0	io.grpc:grpc-stub
Apache 2.0	org.springframework.cloud:spring-cloud-loadbalancer
Apache 2.0	org.springframework.retry:spring-retry
Apache 2.0	org.springframework:spring-web
Apache 2.0	com.google.code.gson:gson

라이선스 종류	사용 라이브러리
Apache 2.0	org.apache.commons:commons-compress
Apache 2.0	org.springframework.boot:spring-boot-starter-undertow
Apache 2.0	org.springframework:spring-context-support
Apache 2.0	org.apache.commons:commons-lang3
Apache 2.0	org.springframework.boot:spring-boot-starter-freemarker
Apache 2.0	org.springframework.boot:spring-boot-starter-security
Apache 2.0	org.springframework.cloud:spring-cloud-starter-netflix-eureka-server
Apache 2.0	org.springframework.cloud:spring-cloud-starter-bootstrap
Apache 2.0	org.springframework.cloud:spring-cloud-starter-netflix-eureka-client
Apache 2.0	commons-fileupload:commons-fileupload
Apache 2.0	commons-io:commons-io
Apache 2.0	org.apache.commons:commons-dbcp2
Apache 2.0	org.apache.poi:poi-ooxml
Apache 2.0	org.apache.poi:poi
Apache 2.0	org.flywaydb:flyway-core
Apache 2.0	software.amazon.awssdk:rds

라이선스 종류	사용 라이브러리
Apache 2.0	com.amazonaws:aws-java-sdk-core
Apache 2.0	com.amazonaws:aws-java-sdk-s3
Apache 2.0	commons-httpclient:commons-httpclient
Apache 2.0	org.apache.velocity:velocity
Apache 2.0	org.freemarker:freemarker
Apache 2.0	org.springframework.boot:spring-boot-starter-websocket
Apache 2.0	org.springframework.security:spring-security-ldap
Apache 2.0	org.springframework.security:spring-security-test
Apache 2.0	cn.featherfly:bccs-api
Apache 2.0	com.github.pengrad:java-telegram-bot-api
Apache 2.0	org.springframework.boot:spring-boot-starter-mail
Apache 2.0	com.amazonaws:aws-java-sdk-rds
Apache 2.0	com.google.apis:google-api-services-analytics
Apache 2.0	com.google.http-client:google-http-client-gson
Apache 2.0	commons-lang:commons-lang
Apache 2.0	net.sf.supercsv:super-csv
Apache 2.0	org.codehaus.jettison:jettison
Apache 2.0	org.springframework.boot:spring-boot:2.7.8

라이선스 종류	사용 라이브러리
Apache 2.0	org.springframework.cloud:spring-cloud-starter-vault-config
Apache 2.0	com.googlecode.libphonenumber:libphonenumber
Apache 2.0	org.apache.tomcat.embed:tomcat-embed-jasper
Apache 2.0	org.springframework.boot:spring-boot-devtools
Apache 2.0	org.springframework.boot:spring-boot-starter-thymeleaf
Apache 2.0	org.apache.commons:commons-math3
Apache 2.0	org.apache.xmlgraphics:batik-codec
Apache 2.0	org.apache.xmlgraphics:batik-transcoder
Apache 2.0	github.com/containerd/containerd
Apache 2.0	github.com/containerd/continuity
Apache 2.0	github.com/containerd/fifo
Apache 2.0	github.com/containerd/ttrpc
Apache 2.0	github.com/containerd/typeurl/v2
Apache 2.0	github.com/docker/distribution
Apache 2.0	github.com/docker/docker
Apache 2.0	github.com/docker/go-connections
Apache 2.0	github.com/docker/go-events

라이선스 종류	사용 라이브러리
Apache 2.0	github.com/docker/go-units
Apache 2.0	github.com/go-logr/logr
Apache 2.0	github.com/go-logr/stdr
Apache 2.0	github.com/go-openapi/jsonpointer
Apache 2.0	github.com/go-openapi/jsonreference
Apache 2.0	github.com/go-openapi/swag
Apache 2.0	github.com/google/gnostic
Apache 2.0	github.com/google/gofuzz
Apache 2.0	github.com/klauspost/compress
Apache 2.0	github.com/moby/locker
Apache 2.0	github.com/moby/sys/mountinfo
Apache 2.0	github.com/moby/sys/signal
Apache 2.0	github.com/modern-go/concurrent
Apache 2.0	github.com/modern-go/reflect2
Apache 2.0	github.com/opencontainers/go-digest
Apache 2.0	github.com/opencontainers/image-spec
Apache 2.0	github.com/opencontainers/runc/libcontainer/user
Apache 2.0	github.com/opencontainers/runtime-spec/specs-go

라이선스 종류	사용 라이브러리
Apache 2.0	github.com/opencontainers/selinux
Apache 2.0	github.com/tklauser/numcpus
Apache 2.0	go.opentelemetry.io/otel
Apache 2.0	go.opentelemetry.io/otel/trace
Apache 2.0	google.golang.org/genproto
Apache 2.0	google.golang.org/grpc
Apache 2.0	gopkg.in/yaml.v2
Apache 2.0	k8s.io/api
Apache 2.0	k8s.io/apimachinery/pkg
Apache 2.0	k8s.io/client-go
Apache 2.0	k8s.io/klog/v2
Apache 2.0	k8s.io/kube-openapi/pkg
Apache 2.0	k8s.io/kube-openapi/pkg/validation/spec
Apache 2.0	k8s.io/utils
Apache 2.0	sigs.k8s.io/json
Apache 2.0	sigs.k8s.io/structured-merge-diff/v4
Apache 2.0	https://github.com/msgpack/msgpack-cli
Apache 2.0	github.com/tklauser/numcpus

라이선스 종류	사용 라이브러리
Apache 2.0	github.com/whatap/golib
Apache 2.0	github.com/tklauser/numcpus
Apache 2.0	github.com/whatap/golib
Apache 2.0	github.com/gomodule/redigo/redis
Apache 2.0	github.com/jcmtturner/aescts/v2
Apache 2.0	github.com/jcmtturner/dnsutils/v2
Apache 2.0	github.com/jcmtturner/gokrb5/v8
Apache 2.0	github.com/jcmtturner/rpc/v2
Apache 2.0	github.com/klauspost/compress
Apache 2.0	google.golang.org/genproto/googleapis/rpc/status
Apache 2.0	google.golang.org/grpc
Apache 2.0	gopkg.in/yaml.v2
Apache 2.0	github.com/whatap/go-api/config
Apache 2.0	github.com/tklauser/numcpus
Apache 2.0	github.com/whatap/go-api
Apache 2.0	google.golang.org/genproto/googleapis/rpc/status
Apache 2.0	google.golang.org/grpc
Apache 2.0	gopkg.in/yaml.v2

라이선스 종류	사용 라이브러리
Apache 2.0	long (https://www.npmjs.com/package/long)
Apache 2.0	web-vitals (https://www.npmjs.com/package/web-vitals)
Apache 2.0	gopkg.in/yaml.v2 v2.4.0
Apache 2.0	k8s.io/api v0.25.4
Apache 2.0	k8s.io/apimachinery v0.25.4
Apache 2.0	k8s.io/client-go v0.25.4
Apache 2.0	github.com/containerd/containerd
Apache 2.0	github.com/containerd/continuity
Apache 2.0	github.com/gogo/googleapis
Apache 2.0	github.com/google/cadvisor
Apache 2.0	github.com/jaypipes/ghw
Apache 2.0	github.com/opencontainers/runc
Apache 2.0	github.com/whatap/golib
Apache 2.0	github.com/willdonnelly/passwd
Apache 2.0	gotest.tools/v3
Apache 2.0	github.com/containerd/containerd
Apache 2.0	github.com/containerd/containerd/api
Apache 2.0	github.com/docker/distribution

라이선스 종류	사용 라이브러리
Apache 2.0	github.com/docker/docker
Apache 2.0	github.com/moby/sys/mountinfo
Apache 2.0	github.com/moby/term
Apache 2.0	github.com/opencontainers/image-spec
Apache 2.0	github.com/opencontainers/runc
Apache 2.0	github.com/prometheus/procfs
Apache 2.0	google.golang.org/genproto
Apache 2.0	gotest.tools/v3
Apache 2.0	k8s.io/api
Apache 2.0	k8s.io/apimachinery
Apache 2.0	k8s.io/client-go
Apache 2.0	jackson-dataformat-yaml
Apache 2.0	spring-boot-starter-web
Apache 2.0	jackson-dataformat-xml
Apache 2.0	spring-boot-starter-test
Apache 2.0	spring-boot-starter-undertow
Apache 2.0	undertow-core
Apache 2.0	undertow-servlet

라이선스 종류	사용 라이브러리
Apache 2.0	spring-context-support
Apache 2.0	springfox-boot-starter
Apache 2.0	httpClient
Apache 2.0	gson
Apache 2.0	commons-dbcp2
Apache 2.0	aws-java-sdk
Apache 2.0	aws-java-sdk-cloudwatch
Apache 2.0	aws-java-sdk-sts
Apache 2.0	aws-java-sdk-elasticloadbalancing
Apache 2.0	cloudwatchlogs
Apache 2.0	okhttp
Apache 2.0	okio
Apache 2.0	jackson-annotations
Apache 2.0	jackson-core
Apache 2.0	jackson-databind
Apache 2.0	jackson-datatype-jsr310
Apache 2.0	jackson-dataformat-xml
Apache 2.0	elasticsearch-rest-client

라이선스 종류	사용 라이브러리
Apache 2.0	mongo-java-driver
Apache 2.0	logging-interceptor
Apache 2.0	commons-codec
Apache 2.0	commons-lang3
Apache 2.0	snmp4j
Apache 2.0	io.krakens:java-grok
Apache 2.0	org.springdoc:springdoc-openapi-ui
Apache 2.0	com.fasterxml.jackson.dataformat:jackson-dataformat-yaml
Apache 2.0	org.lz4:lz4-java
Apache 2.0	xerces:xercesImpl
Apache 2.0	com.fasterxml.jackson.jr:jackson-jr-objects
Apache 2.0	com.github.ua-parser:uap-java
Apache 2.0	com.fasterxml.jackson.dataformat:jackson-dataformat-xml
Apache 2.0	oci-java-sdk-common
Apache 2.0	oci-java-sdk-monitoring
Apache 2.0	oci-java-sdk-core
Apache 2.0, LGPL 2.1	jna-5.11.0.jar

라이선스 종류	사용 라이브러리
Apache 2.0, LGPL 2.1	jna-platform-5.11.0.jar
Apache 2.0, LGPL 2.1, MPL 1.1	javassist-3.19.0-GA.jar
0BSD	tslib@1.14.1
0BSD	tslib@2.4.1
BSD-4-Clause	esprima-fb@15001.1.0-dev-harmony-fb
BSD-3-Clause	hoist-non-react-statics@1.2.0
BSD-2-Clause	xss-filters@1.2.7
BSD-2-Clause	glob-to-regexp@0.3.0
BSD-3-Clause	github.com/shirou/gopsutil
BSD-3-Clause	jsch
BSD-3-Clause	nl.captcha:simplecaptcha
BSD-3-Clause	jline:jline
BSD-2-Clause	postgresql
BSD-2-Clause	cheerio-select@2.1.0
BSD-2-Clause	commonmark@0.24.0
BSD-2-Clause	configstore@3.1.5
BSD-2-Clause	css-select@5.1.0
BSD-2-Clause	css-what@6.1.0

라이선스 종류	사용 라이브러리
BSD-2-Clause	domelementtype@2.3.0
BSD-2-Clause	domhandler@5.0.3
BSD-2-Clause	domutils@3.0.1
BSD-2-Clause	entities@1.1.2
BSD-2-Clause	entities@4.4.0
BSD-2-Clause	eslint-scope@5.1.1
BSD-2-Clause	esprima@3.1.3
BSD-2-Clause	esprima@4.0.1
BSD-2-Clause	esrecurse@4.3.0
BSD-2-Clause	estraverse@4.3.0
BSD-2-Clause	estraverse@5.3.0
BSD-2-Clause	glob-to-regexp@0.4.1
BSD-2-Clause	normalize-package-data@2.5.0
BSD-2-Clause	nth-check@2.1.1
BSD-2-Clause	terser@5.16.1
BSD-2-Clause	update-notifier@2.5.0
BSD-2-Clause	uri-js@4.4.1
BSD-2-Clause	warning@2.1.0

라이선스 종류	사용 라이브러리
BSD-2-Clause	webidl-conversions@3.0.1
BSD-2-Clause	github.com/magiconair/properties
BSD-2-Clause	github.com/pkg/errors
BSD-2-Clause	github.com/magiconair/properties
BSD-2-Clause	github.com/magiconair/properties
BSD-2-Clause	github.com/magiconair/properties
BSD-2-Clause	gopkg.in/check.v1
BSD-2-Clause	github.com/magiconair/properties
BSD-2-Clause	github.com/rcrowley/go-metrics
BSD-2-Clause	github.com/rcrowley/go-metrics
BSD-2-Clause OR MIT OR Apache 2.0	rc@1.2.8
BSD-3-Clause	scala-stm_2.10-0.7.jar
BSD-3-Clause	asm-9.2
BSD-3-Clause	dnsjava
BSD-3-Clause	@xtuc/ieee754@1.2.0
BSD-3-Clause	bcrypt-pbkdf@1.0.2
BSD-3-Clause	buffer-equal-constant-time@1.0.1
BSD-3-Clause	d3-array@1.2.4

라이선스 종류	사용 라이브러리
BSD-3-Clause	d3-axis@1.0.12
BSD-3-Clause	d3-brush@1.1.6
BSD-3-Clause	d3-chord@1.0.6
BSD-3-Clause	d3-collection@1.0.7
BSD-3-Clause	d3-color@1.4.1
BSD-3-Clause	d3-contour@1.3.2
BSD-3-Clause	d3-dispatch@1.0.6
BSD-3-Clause	d3-dispatch@2.0.0
BSD-3-Clause	d3-drag@1.2.5
BSD-3-Clause	d3-dsv@1.2.0
BSD-3-Clause	d3-ease@1.0.7
BSD-3-Clause	d3-ease@3.0.1
BSD-3-Clause	d3-fetch@1.2.0
BSD-3-Clause	d3-force@1.2.1
BSD-3-Clause	d3-force@2.1.1
BSD-3-Clause	d3-format@1.4.5
BSD-3-Clause	d3-geo@1.12.1
BSD-3-Clause	d3-hierarchy@1.1.9

라이선스 종류	사용 라이브러리
BSD-3-Clause	d3-interpolate@1.4.0
BSD-3-Clause	d3-path@1.0.9
BSD-3-Clause	d3-polygon@1.0.6
BSD-3-Clause	d3-quadtree@1.0.7
BSD-3-Clause	d3-quadtree@2.0.0
BSD-3-Clause	d3-random@1.1.2
BSD-3-Clause	d3-scale-chromatic@1.5.0
BSD-3-Clause	d3-scale@1.0.7
BSD-3-Clause	d3-scale@2.2.2
BSD-3-Clause	d3-selection@1.4.2
BSD-3-Clause	d3-shape@1.3.7
BSD-3-Clause	d3-time-format@2.3.0
BSD-3-Clause	d3-time@1.1.0
BSD-3-Clause	d3-timer@1.0.10
BSD-3-Clause	d3-timer@2.0.0
BSD-3-Clause	d3-transition@1.3.2
BSD-3-Clause	d3-voronoi@1.1.4
BSD-3-Clause	d3-zoom@1.8.3

라이선스 종류	사용 라이브러리
BSD-3-Clause	d3@5.16.0
BSD-3-Clause	d3@5.9.2
BSD-3-Clause	draft-js@0.10.5
BSD-3-Clause	duplexer3@0.1.5
BSD-3-Clause	exenv@1.2.2
BSD-3-Clause	fbemitter@3.0.0
BSD-3-Clause	fbjs@0.6.1
BSD-3-Clause	flux@4.0.3
BSD-3-Clause	format-number@2.0.2
BSD-3-Clause	highlight.js@10.7.3
BSD-3-Clause	highlight.js@9.18.5
BSD-3-Clause	hoist-non-react-statics@2.5.5
BSD-3-Clause	hoist-non-react-statics@3.3.2
BSD-3-Clause	hyphenate-style-name@1.0.4
BSD-3-Clause	ieee754@1.1.13
BSD-3-Clause	immutable@3.7.6
BSD-3-Clause	intl-format-cache@2.2.9
BSD-3-Clause	intl-locales-supported@1.8.12

라이선스 종류	사용 라이브러리
BSD-3-Clause	intl-messageformat-parser@1.4.0
BSD-3-Clause	intl-messageformat@2.2.0
BSD-3-Clause	intl-relativeformat@2.2.0
BSD-3-Clause	jstransform@11.0.3
BSD-3-Clause	qs@6.11.0
BSD-3-Clause	qs@6.5.3
BSD-3-Clause	react-intl@2.9.0
BSD-3-Clause	react-transition-group@2.9.0
BSD-3-Clause	react-transition-group@4.4.5
BSD-3-Clause	react@0.14.10
BSD-3-Clause	rw@1.3.3
BSD-3-Clause	serialize-javascript@6.0.0
BSD-3-Clause	soundmanager2@2.97.20170602
BSD-3-Clause	source-map@0.4.4
BSD-3-Clause	source-map@0.5.7
BSD-3-Clause	source-map@0.6.1
BSD-3-Clause	source-map@0.7.4
BSD-3-Clause	topojson-client@3.0.0

라이선스 종류	사용 라이브러리
BSD-3-Clause	topojson-server@3.0.0
BSD-3-Clause	topojson-simplify@3.0.2
BSD-3-Clause	topojson@3.0.2
BSD-3-Clause	tough-cookie@2.5.0
BSD-3-Clause	warning@3.0.0
BSD-3-Clause	github.com/gogo/protobuf
BSD-3-Clause	github.com/golang/protobuf
BSD-3-Clause	github.com/google/go-cmp/cmp
BSD-3-Clause	github.com/google/uuid
BSD-3-Clause	github.com/klauspost/compress/internal/snapref
BSD-3-Clause	github.com/munnerz/goautoneg
BSD-3-Clause	github.com/pmezard/go-difflib/difflib
BSD-3-Clause	github.com/shirou/gopsutil/v3
BSD-3-Clause	github.com/tklauser/go-sysconf
BSD-3-Clause	golang.org/x/exp/maps
BSD-3-Clause	golang.org/x/net
BSD-3-Clause	golang.org/x/oauth2
BSD-3-Clause	golang.org/x/sync

라이선스 종류	사용 라이브러리
BSD-3-Clause	golang.org/x/sys
BSD-3-Clause	golang.org/x/term
BSD-3-Clause	golang.org/x/text
BSD-3-Clause	golang.org/x/time/rate
BSD-3-Clause	google.golang.org/protobuf
BSD-3-Clause	gopkg.in/inf.v0
BSD-3-Clause	k8s.io/apimachinery/third_party/forked/golang/reflect
BSD-3-Clause	k8s.io/kube-openapi/pkg/internal/third_party/go-json-experiment/json
BSD-3-Clause	k8s.io/utils/internal/third_party/forked/golang/net
BSD-3-Clause	github.com/google/uuid
BSD-3-Clause	github.com/pmezard/go-difflib/difflib
BSD-3-Clause	github.com/shirou/gopsutil
BSD-3-Clause	github.com/teklauser/go-sysconf
BSD-3-Clause	golang.org/x/sys/unix
BSD-3-Clause	golang.org/x/text
BSD-3-Clause	github.com/google/uuid
BSD-3-Clause	github.com/pmezard/go-difflib/difflib
BSD-3-Clause	github.com/shirou/gopsutil

라이선스 종류	사용 라이브러리
BSD-3-Clause	github.com/tklauser/go-sysconf
BSD-3-Clause	golang.org/x/sys/unix
BSD-3-Clause	golang.org/x/text
BSD-3-Clause	github.com/gofiber/fiber/v2/internal/schema
BSD-3-Clause	github.com/gofiber/fiber/v2/internal/uuid
BSD-3-Clause	github.com/golang/protobuf
BSD-3-Clause	github.com/golang/snappy
BSD-3-Clause	github.com/gorilla/mux
BSD-3-Clause	github.com/jcmtturner/gofork
BSD-3-Clause	github.com/klauspost/compress/internal/snapref
BSD-3-Clause	github.com/pierrec/lz4/v4
BSD-3-Clause	golang.org/x/crypto
BSD-3-Clause	golang.org/x/net
BSD-3-Clause	google.golang.org/protobuf
BSD-3-Clause	github.com/pierrec/lz4/v4
BSD-3-Clause	github.com/shirou/gopsutil
BSD-3-Clause	github.com/tklauser/go-sysconf
BSD-3-Clause	golang.org/x/crypto

라이선스 종류	사용 라이브러리
BSD-3-Clause	golang.org/x/net
BSD-3-Clause	golang.org/x/sys/unix
BSD-3-Clause	golang.org/x/text
BSD-3-Clause	google.golang.org/protobuf
BSD-3-Clause	github.com/google/uuid v1.3.0
BSD-3-Clause	golang.org/x/text v0.9.0
BSD-3-Clause	github.com/kardianos/osext
BSD-3-Clause	github.com/tklauser/go-sysconf
BSD-3-Clause	golang.org/x/sync
BSD-3-Clause	golang.org/x/sys
BSD-3-Clause	github.com/gorilla/mux
BSD-3-Clause	com.google.protobuf:protobuf-java
BSD-3-Clause OR MIT	amdefine@1.0.1
BUSL 1.1	akka-actor_2.10-2.3.11.jar
BUSL 1.1	akka-slf4j_2.10-2.3.11.jar
CDDL 1.0	javax.activation:activation
CDDL 1.1	javax.xml.ws:jaxws-api
CDDL 1.1	javax.servlet:jstl

라이선스 종류	사용 라이브러리
CDDL GPL 2.0	javax.annotation:javax.annotation-api
CDDL GPL 2.0	javax.servlet:javax.servlet-api
CDDL GPL 2.0	com.sun.jersey.contribs:jersey-apache-client4
CDDL GPL 2.0	javax.xml.bind:jaxb-api
CDDL GPL 2.0	javax.servlet-api
CDDL GPL 2.0	javax.servlet-api-3.1.0.jar
CDDL GPL 2.0	javax.mail:mail
CDDL GPL 2.0	javax.jws:jsr181-api
Eclipse Distribution License 1.0	org.glassfish.jaxb:jaxb-runtime
Eclipse Public License 1.0, GNU Lesser General Public License	ch.qos.logback:logback-classic
Eclipse Public License 2.0	org.junit.jupiter:junit-jupiter
Eclipse Public License 2.0	org.junit.vintage:junit-vintage-engine
Elastic License 2.0	elasticsearch-rest-high-level-client
EPL 1.0	junit-3.8.1.jar
EPL 1.0	junit
EPL 1.0	junit:junit
EPL 1.0, LGPL 2.1	logback-core-1.1.3.jar
EPL 1.0, LGPL 2.1	logback-classic-1.1.3.jar

라이선스 종류	사용 라이브러리
EPL 1.0, MPL 2.0	h2
EPL 2.0, GPL	javax.ws.rs-api
FUTC	ojdbc8
GNU Library General Public License v2.1 or later	org.hibernate:hibernate-envers
GPL 2.0	software.aws.rds:aws-mysql-jdbc
IPLA	jcc
ISC	abbrev@1.1.1
ISC	ansi-align@2.0.0
ISC	anymatch@2.0.0
ISC	boolbase@1.0.0
ISC	chownr@1.1.4
ISC	crypto@1.0.1
ISC	css-color-keywords@1.0.0
ISC	d3-array@3.2.1
ISC	d3-axis@3.0.0
ISC	d3-brush@3.0.0
ISC	d3-chord@3.0.1
ISC	d3-color@3.1.0

라이선스 종류	사용 라이브러리
ISC	d3-contour@4.0.0
ISC	d3-delaunay@6.0.2
ISC	d3-dispatch@3.0.1
ISC	d3-drag@3.0.0
ISC	d3-dsv@3.0.1
ISC	d3-fetch@3.0.1
ISC	d3-force@3.0.0
ISC	d3-format@3.1.0
ISC	d3-geo@3.1.0
ISC	d3-hierarchy@3.1.2
ISC	d3-interpolate@3.0.1
ISC	d3-path@3.1.0
ISC	d3-polygon@3.0.1
ISC	d3-quadtree@3.0.1
ISC	d3-random@3.0.1
ISC	d3-scale-chromatic@3.0.0
ISC	d3-scale@4.0.2
ISC	d3-selection@3.0.0

라이선스 종류	사용 라이브러리
ISC	d3-shape@3.2.0
ISC	d3-time-format@4.1.0
ISC	d3-time@3.1.0
ISC	d3-timer@3.0.1
ISC	d3-transition@3.0.1
ISC	d3-zoom@3.0.0
ISC	d3@7.8.0
ISC	d@1.0.1
ISC	delaunator@5.0.0
ISC	electron-to-chromium@1.4.284
ISC	es5-ext@0.10.62
ISC	es6-symbol@3.1.3
ISC	ext@1.7.0
ISC	fs.realpath@1.0.0
ISC	glob-parent@3.1.0
ISC	glob@5.0.15
ISC	glob@7.2.3
ISC	graceful-fs@4.2.10

라이선스 종류	사용 라이브러리
ISC	har-schema@2.0.0
ISC	hosted-git-info@2.8.9
ISC	icss-replace-symbols@1.1.0
ISC	icss-utils@3.0.1
ISC	ignore-by-default@1.0.1
ISC	inflight@1.0.6
ISC	inherits@2.0.4
ISC	ini@1.3.8
ISC	internmap@2.0.3
ISC	isexe@2.0.0
ISC	json-stringify-safe@5.0.1
ISC	lru-cache@4.1.5
ISC	lru-cache@5.1.1
ISC	material-colors@1.2.6
ISC	minimatch@3.1.2
ISC	next-tick@1.1.0
ISC	once@1.3.3
ISC	once@1.4.0

라이선스 종류	사용 라이브러리
ISC	picocolors@0.2.1
ISC	picocolors@1.0.0
ISC	postcss-modules-extract-imports@1.2.1
ISC	postcss-modules-scope@1.1.0
ISC	postcss-modules-values@1.3.0
ISC	pseudomap@1.0.2
ISC	react-data-export@0.2.0
ISC	react-horizontal-scrolling-menu@0.7.10
ISC	react-sound@1.2.0
ISC	remove-trailing-separator@1.1.0
ISC	rimraf@2.7.1
ISC	sax@1.2.1
ISC	sax@1.2.4
ISC	semver@5.7.1
ISC	semver@6.3.0
ISC	signal-exit@3.0.7
ISC	swlee-chart@1.1.0
ISC	touch@2.0.2

라이선스 종류	사용 라이브러리
ISC	touch@3.1.0
ISC	type@1.2.0
ISC	type@2.7.2
ISC	use-timer@1.4.0
ISC	whatap-designed-components@3.1.0
ISC	which@1.3.1
ISC	which@2.0.2
ISC	wrappy@1.0.2
ISC	write-file-atomic@2.4.3
ISC	yallist@2.1.2
ISC	yallist@3.1.1
ISC	yaml@1.10.2
ISC	yargs-parser@10.1.0
ISC	github.com/davecgh/go-spew/spew
ISC	github.com/davecgh/go-spew/spew
ISC	github.com/davecgh/go-spew/spew
ISC	"crypto": "0.0.3"
LGPL 2.1	mariadb-java-client

라이선스 종류	사용 라이브러리
LGPL 2.1, Mozilla Public License Version 2.0	com.github.librepdf:openpdf
LGPL 3.0	github.com/juju/fslock
LGPL 3.0	github.com/juju/fslock
MIT	1-liners@0.4.2
MIT	@ant-design/colors@6.0.0
MIT	@ant-design/icons-svg@4.2.1
MIT	@ant-design/icons@4.8.0
MIT	@ant-design/react-slick@0.28.4
MIT	@babel/code-frame@7.18.6
MIT	@babel/compat-data@7.20.10
MIT	@babel/core@7.19.3
MIT	@babel/generator@7.19.3
MIT	@babel/generator@7.20.7
MIT	@babel/helper-annotate-as-pure@7.18.6
MIT	@babel/helper-compilation-targets@7.19.3
MIT	@babel/helper-compilation-targets@7.20.7
MIT	@babel/helper-create-class-features-plugin@7.20.7
MIT	@babel/helper-environment-visitor@7.18.9

라이선스 종류	사용 라이브러리
MIT	@babel/helper-function-name@7.19.0
MIT	@babel/helper-hoist-variables@7.18.6
MIT	@babel/helper-member-expression-to-functions@7.20.7
MIT	@babel/helper-module-imports@7.18.6
MIT	@babel/helper-module-transforms@7.19.0
MIT	@babel/helper-optimise-call-expression@7.18.6
MIT	@babel/helper-plugin-utils@7.20.2
MIT	@babel/helper-replace-supers@7.20.7
MIT	@babel/helper-simple-access@7.20.2
MIT	@babel/helper-split-export-declaration@7.18.6
MIT	@babel/helper-string-parser@7.19.4
MIT	@babel/helper-validator-identifier@7.19.1
MIT	@babel/helper-validator-option@7.18.6
MIT	@babel/helper-wrap-function@7.20.5
MIT	@babel/helpers@7.19.4
MIT	@babel/highlight@7.18.6
MIT	@babel/parser@7.19.4
MIT	@babel/parser@7.20.7

라이선스 종류	사용 라이브러리
MIT	@babel/plugin-proposal-function-sent@7.18.6
MIT	@babel/plugin-syntax-async-generators@7.8.4
MIT	@babel/plugin-syntax-function-sent@7.18.6
MIT	@babel/plugin-syntax-typescript@7.20.0
MIT	@babel/plugin-transform-arrow-functions@7.20.7
MIT	@babel/plugin-transform-block-scoping@7.19.4
MIT	@babel/plugin-transform-classes@7.20.7
MIT	@babel/plugin-transform-for-of@7.18.8
MIT	@babel/plugin-transform-typescript@7.19.3
MIT	@babel/polyfill@7.12.1
MIT	@babel/preset-typescript@7.18.6
MIT	@babel/runtime-corejs2@7.20.7
MIT	@babel/runtime@7.19.4
MIT	@babel/runtime@7.20.7
MIT	@babel/template@7.18.10
MIT	@babel/template@7.20.7
MIT	@babel/traverse@7.19.3
MIT	@babel/traverse@7.20.10

라이선스 종류	사용 라이브러리
MIT	@babel/types@7.19.4
MIT	@babel/types@7.20.7
MIT	@ctrl/tinycolor@3.5.0
MIT	@emotion/babel-utils@0.6.10
MIT	@emotion/hash@0.6.6
MIT	@emotion/is-prop-valid@0.8.8
MIT	@emotion/is-prop-valid@1.2.0
MIT	@emotion/memoize@0.6.6
MIT	@emotion/memoize@0.7.4
MIT	@emotion/memoize@0.8.0
MIT	@emotion/serialize@0.9.1
MIT	@emotion/stylis@0.7.1
MIT	@emotion/stylis@0.8.5
MIT	@emotion/unitless@0.6.7
MIT	@emotion/unitless@0.7.5
MIT	@emotion/utils@0.8.2
MIT	@hypnosphi/create-react-context@0.3.1
MIT	@icons/material@0.2.4

라이선스 종류	사용 라이브러리
MIT	@jridgewell/gen-mapping@0.1.1
MIT	@jridgewell/gen-mapping@0.3.2
MIT	@jridgewell/resolve-uri@3.1.0
MIT	@jridgewell/set-array@1.1.2
MIT	@jridgewell/source-map@0.3.2
MIT	@jridgewell/sourcemap-codec@1.4.14
MIT	@jridgewell/trace-mapping@0.3.17
MIT	@react-dnd/asap@5.0.2
MIT	@react-dnd/invariant@4.0.2
MIT	@react-dnd/shallowequal@4.0.2
MIT	@redux-saga/core@1.2.2
MIT	@redux-saga/deferred@1.2.1
MIT	@redux-saga/delay-p@1.2.1
MIT	@redux-saga/is@1.1.3
MIT	@redux-saga/symbols@1.1.3
MIT	@redux-saga/types@1.2.1
MIT	@stripe/react-stripe-js@1.16.1
MIT	@stripe/stripe-js@1.46.0

라이선스 종류	사용 라이브러리
MIT	@toast-ui/editor@2.5.4
MIT	@toast-ui/react-editor@2.5.4
MIT	@toast-ui/react-grid@4.19.4
MIT	@types/codemirror@0.0.71
MIT	@types/cookie@0.3.3
MIT	@types/eslint-scope@3.7.4
MIT	@types/eslint@8.4.10
MIT	@types/estree@0.0.51
MIT	@types/hoist-non-react-statics@3.3.1
MIT	@types/json-schema@7.0.11
MIT	@types/node@18.11.17
MIT	@types/parse-json@4.0.0
MIT	@types/prop-types@15.7.5
MIT	@types/raf@3.4.0
MIT	@types/react-dom@16.9.17
MIT	@types/react-intl@2.3.18
MIT	@types/react@16.14.34
MIT	@types/react@18.0.26

라이선스 종류	사용 라이브러리
MIT	@types/scheduler@0.16.2
MIT	@types/tern@0.23.4
MIT	@webassemblyjs/ast@1.11.1
MIT	@webassemblyjs/floating-point-hex-parser@1.11.1
MIT	@webassemblyjs/helper-api-error@1.11.1
MIT	@webassemblyjs/helper-buffer@1.11.1
MIT	@webassemblyjs/helper-numbers@1.11.1
MIT	@webassemblyjs/helper-wasm-bytecode@1.11.1
MIT	@webassemblyjs/helper-wasm-section@1.11.1
MIT	@webassemblyjs/ieee754@1.11.1
MIT	@webassemblyjs/utf8@1.11.1
MIT	@webassemblyjs/wasm-edit@1.11.1
MIT	@webassemblyjs/wasm-gen@1.11.1
MIT	@webassemblyjs/wasm-opt@1.11.1
MIT	@webassemblyjs/wasm-parser@1.11.1
MIT	@webassemblyjs/wast-printer@1.11.1
MIT	@whatap-inc/whatap-front-guide@1.59.0
MIT	abortcontroller-polyfill@1.7.5

라이선스 종류	사용 라이브러리
MIT	acorn-import-assertions@1.8.0
MIT	acorn@5.7.4
MIT	acorn@6.4.2
MIT	acorn@8.8.1
MIT	add-dom-event-listener@1.1.0
MIT	airbnb-prop-types@2.16.0
MIT	ajv-keywords@3.5.2
MIT	ajv@6.12.6
MIT	ansi-regex@3.0.1
MIT	ansi-styles@3.2.1
MIT	antd@2.13.14
MIT	antd@4.16.13
MIT	arr-diff@4.0.0
MIT	arr-flatten@1.1.0
MIT	arr-union@3.1.0
MIT	array-find-index@1.0.2
MIT	array-find@1.0.0
MIT	array-tree-filter@1.0.1

라이선스 종류	사용 라이브러리
MIT	array-tree-filter@2.1.0
MIT	array-unique@0.3.2
MIT	array.prototype.find@2.2.1
MIT	arrify@1.0.1
MIT	asap@2.0.6
MIT	asn1@0.2.6
MIT	assert-plus@1.0.0
MIT	assign-styles@1.0.2
MIT	assign-symbols@1.0.0
MIT	ast-types@0.15.2
MIT	ast-types@0.9.6
MIT	async-each@1.0.3
MIT	async-validator@1.12.2
MIT	async-validator@3.5.2
MIT	async@2.3.0
MIT	asynckit@0.4.0
MIT	autoprefixer@9.8.8
MIT	autoresponsive-core@1.0.1

라이선스 종류	사용 라이브러리
MIT	available-typed-arrays@1.0.5
MIT	aws4@1.11.0
MIT	babel-plugin-css-modules-transform@1.6.2
MIT	babel-plugin-emotion@9.2.11
MIT	babel-plugin-macros@2.8.0
MIT	babel-plugin-module-resolver@3.2.0
MIT	babel-plugin-styled-components@2.0.7
MIT	babel-plugin-syntax-jsx@6.18.0
MIT	babel-runtime@5.8.38
MIT	babel-runtime@6.26.0
MIT	balanced-match@1.0.2
MIT	base16@1.0.0
MIT	base62@1.2.8
MIT	base64-arraybuffer@1.0.2
MIT	base64-js@1.5.1
MIT	base@0.11.2
MIT	basic@2.0.3
MIT	batch-processor@1.0.0

라이선스 종류	사용 라이브러리
MIT	bezier-easing@2.1.0
MIT	big.js@3.2.0
MIT	binary-extensions@1.13.1
MIT	bindings@1.5.0
MIT	bl@1.2.3
MIT	browser@1.9.4
MIT	boxen@1.3.0
MIT	brace-expansion@1.1.11
MIT	braces@2.3.2
MIT	braft-convert@2.3.0
MIT	braft-editor@2.3.9
MIT	braft-finder@0.0.19
MIT	braft-utils@3.0.12
MIT	browserslist@4.21.4
MIT	buffer-alloc-unsafe@1.1.0
MIT	buffer-alloc@1.2.0
MIT	buffer-fill@1.0.0
MIT	buffer-from@1.1.2

라이선스 종류	사용 라이브러리
MIT	buffer@4.9.2
MIT	cache-base@1.0.1
MIT	call-bind@1.0.2
MIT	callsites@3.1.0
MIT	camelcase-keys@4.2.0
MIT	camelcase@4.1.0
MIT	camelize@1.0.1
MIT	can-use-dom@0.1.0
MIT	canvg@3.0.10
MIT	capture-stack-trace@1.0.2
MIT	chalk@2.4.2
MIT	chart.js@2.8.0
MIT	chartjs-color-string@0.6.0
MIT	chartjs-color@2.4.1
MIT	cheerio@1.0.0-rc.12
MIT	chokidar@2.1.8
MIT	chrome-trace-event@1.0.3
MIT	ci-info@1.6.0

라이선스 종류	사용 라이브러리
MIT	class-utils@0.3.6
MIT	classnames@2.2.5
MIT	classnames@2.2.6
MIT	clean-webpack-plugin@0.1.19
MIT	cli-boxes@1.0.0
MIT	clsx@1.1.0
MIT	clsx@1.2.1
MIT	codemirror@5.65.11
MIT	collection-visit@1.0.0
MIT	color-convert@1.9.3
MIT	color-convert@2.0.1
MIT	color-name@1.1.3
MIT	color-name@1.1.4
MIT	combined-stream@1.0.8
MIT	commander@2.11.0
MIT	commander@2.13.0
MIT	commander@2.14.1
MIT	commander@2.20.3

라이선스 종류	사용 라이브러리
MIT	commander@7.2.0
MIT	commoner@0.10.8
MIT	commonmark-react-renderer@4.3.5
MIT	component-classes@1.2.6
MIT	component-emitter@1.3.0
MIT	compute-scroll-into-view@1.0.20
MIT	concat-map@0.0.1
MIT	consolidated-events@1.1.1
MIT	convert-source-map@1.9.0
MIT	cookie@0.3.1
MIT	cookie@0.4.2
MIT	cookiejar@2.1.3
MIT	copy-anything@2.0.6
MIT	copy-descriptor@0.1.1
MIT	copy-to-clipboard@3.3.3
MIT	core-js@1.2.7
MIT	core-js@2.6.12
MIT	core-js@3.27.0

라이선스 종류	사용 라이브러리
MIT	core-util-is@1.0.2
MIT	cosmiconfig@6.0.0
MIT	countup.js@1.9.3
MIT	create-emotion@9.2.12
MIT	create-error-class@3.0.2
MIT	create-react-class@15.7.0
MIT	cross-env@7.0.3
MIT	cross-fetch@3.1.5
MIT	cross-spawn@5.1.0
MIT	cross-spawn@7.0.3
MIT	crypto-random-string@1.0.0
MIT	css-animation@1.6.1
MIT	css-in-js-utils@2.0.1
MIT	css-line-break@2.1.0
MIT	css-modules-require-hook@4.2.3
MIT	css-selector-tokenizer@0.7.3
MIT	css-to-react-native@2.3.2
MIT	css-to-react-native@3.0.0

라이선스 종류	사용 라이브러리
MIT	cssesc@3.0.0
MIT	csstype@2.6.21
MIT	csstype@3.1.1
MIT	currently-unhandled@0.4.1
MIT	d3-tip@0.9.1
MIT	dashdash@1.14.1
MIT	date-arithmetic@3.1.0
MIT	date-fns@2.29.3
MIT	dayjs@1.11.7
MIT	debug@2.6.9
MIT	debug@3.2.7
MIT	debug@4.3.4
MIT	decamelize-keys@1.1.1
MIT	decamelize@1.2.0
MIT	decode-uri-component@0.2.2
MIT	deconstruct-number-format@0.0.1
MIT	deep-equal@1.1.1
MIT	deep-extend@0.6.0

라이선스 종류	사용 라이브러리
MIT	deepmerge@1.5.2
MIT	define-properties@1.1.4
MIT	define-property@0.2.5
MIT	define-property@1.0.0
MIT	define-property@2.0.2
MIT	defined@1.0.1
MIT	delayed-stream@1.0.0
MIT	detective@4.7.1
MIT	dnd-core@16.0.1
MIT	dom-align@1.12.4
MIT	dom-closest@0.2.0
MIT	dom-helpers@2.4.0
MIT	dom-helpers@3.4.0
MIT	dom-helpers@5.2.1
MIT	dom-matches@2.0.0
MIT	dom-scroll-into-view@1.2.1
MIT	dom-serializer@2.0.0
MIT	dom-to-image@2.6.0

라이선스 종류	사용 라이브러리
MIT	dom-walk@0.1.2
MIT	dot-prop@4.2.1
MIT	draftjs-utils@0.9.4
MIT	ecc-jsbn@0.1.2
MIT	element-resize-detector@1.2.4
MIT	element-resize-event@2.0.9
MIT	emojis-list@2.1.0
MIT	emotion@9.2.12
MIT	encoding@0.1.13
MIT	end-of-stream@1.1.0
MIT	enhanced-resolve@5.12.0
MIT	enquire.js@2.1.6
MIT	envify@3.4.1
MIT	errno@0.1.8
MIT	error-ex@1.3.2
MIT	es-abstract@1.20.5
MIT	es-module-lexer@0.9.3
MIT	es-shim-unscopables@1.0.0

라이선스 종류	사용 라이브러리
MIT	es-to-primitive@1.2.1
MIT	es6-error@4.1.1
MIT	es6-iterator@2.0.3
MIT	escalade@3.1.1
MIT	escape-string-regexp@1.0.5
MIT	eventlistener@0.0.1
MIT	events@1.1.1
MIT	events@3.3.0
MIT	execa@0.7.0
MIT	expand-brackets@2.1.4
MIT	extend-shallow@2.0.1
MIT	extend-shallow@3.0.2
MIT	extend@3.0.2
MIT	extglob@2.0.4
MIT	extsprintf@1.3.0
MIT	fast-deep-equal@3.1.3
MIT	fast-json-stable-stringify@2.1.0
MIT	fastparse@1.1.2

라이선스 종류	사용 라이브러리
MIT	fault@1.0.4
MIT	fbjs-css-vars@1.0.2
MIT	fbjs@0.8.18
MIT	fbjs@3.0.4
MIT	fflate@0.4.8
MIT	file-saver@1.3.3
MIT	file-uri-to-path@1.0.0
MIT	fill-range@4.0.0
MIT	filter-obj@1.1.0
MIT	find-babel-config@1.2.0
MIT	find-root@1.1.0
MIT	find-up@2.1.0
MIT	for-each@0.3.3
MIT	for-in@1.0.2
MIT	form-data@2.3.3
MIT	form-data@2.5.1
MIT	format-number-with-string@0.0.2
MIT	format@0.2.2

라이선스 종류	사용 라이브러리
MIT	formidable@1.2.6
MIT	formula@3.18.0
MIT	fragment-cache@0.2.1
MIT	fs-constants@1.0.0
MIT	fs-extra@8.1.0
MIT	fsevents@1.2.13
MIT	function-bind@1.1.1
MIT	function.prototype.name@1.1.5
MIT	functions-have-names@1.2.3
MIT	generic-names@1.0.3
MIT	gensync@1.0.0-beta.2
MIT	get-intrinsic@1.1.3
MIT	get-node-dimensions@1.2.1
MIT	get-stream@3.0.0
MIT	get-symbol-description@1.0.0
MIT	get-value@2.0.6
MIT	get-value@3.0.1
MIT	getpass@0.1.7

라이선스 종류	사용 라이브러리
MIT	global-cache@1.2.1
MIT	global-dirs@0.1.1
MIT	global@4.3.2
MIT	globals@11.12.0
MIT	google-p12-pem@0.1.2
MIT	gopd@1.0.1
MIT	got@6.7.1
MIT	gtoken@1.2.3
MIT	gud@1.0.0
MIT	hammerjs@2.0.8
MIT	har-validator@5.1.5
MIT	has-bigints@1.0.2
MIT	has-flag@3.0.0
MIT	has-flag@4.0.0
MIT	has-property-descriptors@1.0.0
MIT	has-symbols@1.0.3
MIT	has-tostringtag@1.0.0
MIT	has-value@0.3.1

라이선스 종류	사용 라이브러리
MIT	has-value@1.0.0
MIT	has-values@0.1.4
MIT	has-values@1.0.0
MIT	has@1.0.3
MIT	hex-rgb@4.3.0
MIT	highlight-words-core@1.2.2
MIT	history@4.10.1
MIT	html2canvas@1.4.1
MIT	htmlparser2@8.0.1
MIT	http-signature@1.2.0
MIT	iconv-lite@0.4.24
MIT	iconv-lite@0.6.3
MIT	image-size@0.5.5
MIT	immer@2.1.5
MIT	immutable@3.8.2
MIT	import-fresh@3.3.0
MIT	import-lazy@2.1.0
MIT	imurmurhash@0.1.4

라이선스 종류	사용 라이브러리
MIT	indent-string@3.2.0
MIT	inline-style-prefixer@2.0.5
MIT	inline-style-prefixer@3.0.8
MIT	internal-slot@1.0.4
MIT	intl@1.2.5
MIT	invariant@2.2.4
MIT	is-accessor-descriptor@0.1.6
MIT	is-accessor-descriptor@1.0.0
MIT	is-arguments@1.1.1
MIT	is-arrayish@0.2.1
MIT	is-bigint@1.0.4
MIT	is-binary-path@1.0.1
MIT	is-boolean-object@1.1.2
MIT	is-buffer@1.1.6
MIT	is-callable@1.2.7
MIT	is-ci@1.2.1
MIT	is-core-module@2.11.0
MIT	is-data-descriptor@0.1.4

라이선스 종류	사용 라이브러리
MIT	is-data-descriptor@1.0.0
MIT	is-date-object@1.0.5
MIT	is-descriptor@0.1.6
MIT	is-descriptor@1.0.2
MIT	is-dom@1.1.0
MIT	is-extendable@0.1.1
MIT	is-extendable@1.0.1
MIT	is-extglob@2.1.1
MIT	is-fullwidth-code-point@2.0.0
MIT	is-generator-function@1.0.10
MIT	is-glob@3.1.0
MIT	is-glob@4.0.3
MIT	is-installed-globally@0.1.0
MIT	is-negative-zero@2.0.2
MIT	is-npm@1.0.0
MIT	is-number-object@1.0.7
MIT	is-number@3.0.0
MIT	is-obj@1.0.1

라이선스 종류	사용 라이브러리
MIT	is-object@1.0.2
MIT	is-path-inside@1.0.1
MIT	is-plain-obj@1.1.0
MIT	is-plain-object@2.0.4
MIT	is-promise@2.2.2
MIT	is-redirect@1.0.0
MIT	is-regex@1.1.4
MIT	is-retry-allowed@1.2.0
MIT	is-shared-array-buffer@1.0.2
MIT	is-stream@1.1.0
MIT	is-string@1.0.7
MIT	is-symbol@1.0.4
MIT	is-touch-device@1.0.1
MIT	is-typed-array@1.1.10
MIT	is-typedarray@1.0.0
MIT	is-weakref@1.0.2
MIT	is-what@3.14.1
MIT	is-window@1.0.2

라이선스 종류	사용 라이브러리
MIT	is-windows@1.0.2
MIT	isarray@0.0.1
MIT	isarray@1.0.0
MIT	isobject@2.1.0
MIT	isobject@3.0.1
MIT	isomorphic-fetch@2.2.1
MIT	isstream@0.1.2
MIT	jest-worker@27.5.1
MIT	jquery@3.6.3
MIT	js-tokens@4.0.0
MIT	jsbn@0.1.1
MIT	jsesc@2.5.2
MIT	json-parse-better-errors@1.0.2
MIT	json-parse-even-better-errors@2.3.1
MIT	json-schema-traverse@0.4.1
MIT	json2mq@0.2.0
MIT	json5@0.5.1
MIT	json5@2.2.2

라이선스 종류	사용 라이브러리
MIT	jsonfile@4.0.0
MIT	jsonpath-plus@6.0.1
MIT	jspdf@2.5.1
MIT	jsprim@1.4.2
MIT	just-curry-it@3.2.1
MIT	jwa@1.4.1
MIT	jws@3.2.2
MIT	keycode@2.2.1
MIT	kind-of@3.2.2
MIT	kind-of@4.0.0
MIT	kind-of@5.1.0
MIT	kind-of@6.0.3
MIT	klona@2.0.5
MIT	latest-version@3.1.0
MIT	less-loader@10.2.0
MIT	lines-and-columns@1.2.4
MIT	load-json-file@4.0.0
MIT	loader-runner@4.3.0

라이선스 종류	사용 라이브러리
MIT	loader-utils@0.2.17
MIT	locate-path@2.0.0
MIT	lodash-es@4.17.21
MIT	lodash._getnative@3.9.1
MIT	lodash.assign@4.2.0
MIT	lodash.clonedeep@4.5.0
MIT	lodash.curry@4.1.1
MIT	lodash.debounce@3.1.1
MIT	lodash.debounce@4.0.8
MIT	lodash.flow@3.5.0
MIT	lodash.get@4.4.2
MIT	lodash.groupby@4.6.0
MIT	lodash.isarguments@3.1.0
MIT	lodash.isarray@3.0.4
MIT	lodash.isequal@4.5.0
MIT	lodash.isequalwith@4.4.0
MIT	lodash.isplainobject@4.0.6
MIT	lodash.keys@3.1.2

라이선스 종류	사용 라이브러리
MIT	lodash.merge@4.6.2
MIT	lodash.noop@3.0.1
MIT	lodash.snakecase@4.1.1
MIT	lodash.throttle@4.1.1
MIT	lodash.uniq@4.5.0
MIT	lodash.uniqby@4.7.0
MIT	lodash@4.17.21
MIT	loose-envify@1.4.0
MIT	loud-rejection@1.6.0
MIT	lowercase-keys@1.0.1
MIT	lowligh@1.20.0
MIT	lru-memoize@1.1.0
MIT	make-dir@1.3.0
MIT	make-dir@2.1.0
MIT	map-cache@0.2.2
MIT	map-obj@1.0.1
MIT	map-obj@2.0.0
MIT	map-visit@1.0.0

라이선스 종류	사용 라이브러리
MIT	match-sorter@4.2.1
MIT	mdurl@1.0.1
MIT	memoize-one@5.2.1
MIT	meow@5.0.0
MIT	merge-anything@2.4.4
MIT	merge-stream@2.0.0
MIT	methods@1.1.2
MIT	micromatch@3.1.10
MIT	mime-db@1.52.0
MIT	mime-types@2.1.35
MIT	mime@1.6.0
MIT	min-document@2.19.0
MIT	minimist-options@3.0.2
MIT	minimist@1.2.7
MIT	mixin-deep@1.3.2
MIT	mkdirp@0.5.6
MIT	mobile-detect@1.4.5
MIT	moment@2.24.0

라이선스 종류	사용 라이브러리
MIT	moment@2.29.4
MIT	monaco-editor@0.30.1
MIT	ms@2.0.0
MIT	ms@2.1.2
MIT	multireducer@3.1.2
MIT	nan@2.17.0
MIT	nanoid@2.1.11
MIT	nanomatch@1.2.13
MIT	needle@3.2.0
MIT	neo-async@2.6.2
MIT	nested-property@0.0.7
MIT	node-fetch@1.7.3
MIT	node-fetch@2.6.7
MIT	node-releases@2.0.8
MIT	nodemon@1.19.4
MIT	nopt@1.0.10
MIT	normalize-path@2.1.1
MIT	normalize-path@3.0.0

라이선스 종류	사용 라이브러리
MIT	normalize-range@0.1.2
MIT	npm-run-path@2.0.2
MIT	npm-watch@0.6.0
MIT	num2fraction@1.2.2
MIT	object-assign@2.1.1
MIT	object-assign@4.1.1
MIT	object-copy@0.1.0
MIT	object-inspect@1.12.2
MIT	object-is@1.1.5
MIT	object-keys@1.1.1
MIT	object-visit@1.0.1
MIT	object.assign@4.1.4
MIT	object.entries@1.1.6
MIT	object.pick@1.3.0
MIT	object.values@1.1.6
MIT	omit.js@1.0.2
MIT	p-finally@1.0.0
MIT	p-limit@1.3.0

라이선스 종류	사용 라이브러리
MIT	p-locate@2.0.0
MIT	p-try@1.0.0
MIT	package-json@4.0.1
MIT	parent-module@1.0.1
MIT	parse-json@4.0.0
MIT	parse-json@5.2.0
MIT	parse-node-version@1.0.1
MIT	parse5-htmlparser2-tree-adapter@7.0.0
MIT	parse5@7.1.2
MIT	pascalcase@0.1.1
MIT	path-dirname@1.0.2
MIT	path-exists@3.0.0
MIT	path-is-absolute@1.0.1
MIT	path-key@2.0.1
MIT	path-key@3.1.1
MIT	path-parse@1.0.7
MIT	path-to-regexp@1.8.0
MIT	path-to-regexp@6.2.1

라이선스 종류	사용 라이브러리
MIT	path-type@3.0.0
MIT	path-type@4.0.0
MIT	performance-now@0.2.0
MIT	performance-now@2.1.0
MIT	picomatch@2.3.1
MIT	pify@3.0.0
MIT	pify@4.0.1
MIT	pkg-up@2.0.0
MIT	popper.js@1.16.1
MIT	posix-character-classes@0.1.1
MIT	postcss-modules-local-by-default@1.2.0
MIT	postcss-modules-resolve-imports@1.3.0
MIT	postcss-value-parser@3.3.1
MIT	postcss-value-parser@4.2.0
MIT	postcss@6.0.23
MIT	postcss@7.0.39
MIT	prepend-http@1.0.4
MIT	private@0.1.8

라이선스 종류	사용 라이브러리
MIT	process-nexttick-args@2.0.1
MIT	promise@7.3.1
MIT	promise@8.3.0
MIT	prop-types-exact@1.2.0
MIT	prop-types-extra@1.1.1
MIT	prop-types@15.8.1
MIT	prrr@1.0.1
MIT	psl@1.9.0
MIT	pstree.remy@1.1.8
MIT	pump@1.0.3
MIT	punycode@1.3.2
MIT	punycode@2.1.1
MIT	pure-color@1.3.0
MIT	q@1.5.1
MIT	query-string@7.1.3
MIT	querystring@0.2.0
MIT	quick-lru@1.1.0
MIT	radium@0.18.4

라이선스 종류	사용 라이브러리
MIT	raf@3.4.1
MIT	rafl@1.2.2
MIT	randombytes@2.1.0
MIT	rc-align@2.4.5
MIT	rc-align@4.0.15
MIT	rc-animate@2.11.1
MIT	rc-calendar@9.0.4
MIT	rc-cascader@0.11.6
MIT	rc-cascader@1.4.3
MIT	rc-checkbox@2.0.3
MIT	rc-checkbox@2.3.2
MIT	rc-collapse@1.7.7
MIT	rc-collapse@3.1.4
MIT	rc-dialog@6.5.11
MIT	rc-dialog@8.6.0
MIT	rc-drawer@2.1.1
MIT	rc-drawer@4.3.1
MIT	rc-dropdown@1.5.1

라이선스 종류	사용 라이브러리
MIT	rc-dropdown@3.2.5
MIT	rc-editor-core@0.7.9
MIT	rc-editor-mention@0.6.14
MIT	rc-field-form@1.20.1
MIT	rc-form@1.4.8
MIT	rc-hammerjs@0.6.10
MIT	rc-image@5.2.5
MIT	rc-input-number@3.6.10
MIT	rc-input-number@7.1.4
MIT	rc-mentions@1.6.5
MIT	rc-menu@5.0.14
MIT	rc-menu@9.0.14
MIT	rc-menu@9.3.2
MIT	rc-motion@2.6.2
MIT	rc-notification@2.0.6
MIT	rc-notification@4.5.7
MIT	rc-overflow@1.2.8
MIT	rc-pagination@1.12.12

라이선스 종류	사용 라이브러리
MIT	rc-pagination@3.1.17
MIT	rc-picker@2.5.19
MIT	rc-progress@2.2.7
MIT	rc-progress@3.1.4
MIT	rc-rate@2.1.1
MIT	rc-rate@2.9.2
MIT	rc-resize-observer@1.2.0
MIT	rc-select@12.1.13
MIT	rc-select@6.9.8
MIT	rc-slider@8.3.5
MIT	rc-slider@8.7.1
MIT	rc-slider@9.7.5
MIT	rc-steps@2.5.2
MIT	rc-steps@4.1.4
MIT	rc-switch@1.5.3
MIT	rc-switch@3.2.2
MIT	rc-table@5.6.13
MIT	rc-table@7.15.2

라이선스 종류	사용 라이브러리
MIT	rc-tabs@11.10.8
MIT	rc-tabs@9.1.11
MIT	rc-textarea@0.3.7
MIT	rc-time-picker@2.4.1
MIT	rc-tooltip@3.4.9
MIT	rc-tooltip@3.7.3
MIT	rc-tooltip@5.1.1
MIT	rc-touchable@1.3.2
MIT	rc-tree-select@1.10.13
MIT	rc-tree-select@4.3.3
MIT	rc-tree@1.7.12
MIT	rc-tree@4.2.2
MIT	rc-trigger@1.11.5
MIT	rc-trigger@2.6.5
MIT	rc-trigger@5.3.4
MIT	rc-upload@2.4.4
MIT	rc-upload@4.3.4
MIT	rc-util@4.21.1

라이선스 종류	사용 라이브러리
MIT	rc-util@5.27.0
MIT	rc-virtual-list@3.4.13
MIT	react-addons-shallow-compare@15.6.3
MIT	react-addons-update@15.6.3
MIT	react-animations@1.0.0
MIT	react-app-polyfill@2.0.0
MIT	react-base16-styling@0.6.0
MIT	react-bootstrap-button-loader@1.0.13
MIT	react-bootstrap-table-next@0.1.15
MIT	react-bootstrap@0.32.4
MIT	react-chartjs-2@2.11.2
MIT	react-collapsed@2.2.3
MIT	react-color@2.19.3
MIT	react-countup@2.4.0
MIT	react-d3-speedometer@0.7.3
MIT	react-datepicker@2.16.0
MIT	react-dates@12.7.1
MIT	react-debounce-render@6.1.0

라이선스 종류	사용 라이브러리
MIT	react-dimensions@1.3.1
MIT	react-dnd-html5-backend@16.0.1
MIT	react-dnd@16.0.1
MIT	react-dock@0.2.4
MIT	react-dom@16.14.0
MIT	react-dom@18.2.0
MIT	react-drag-listview@0.1.9
MIT	react-draggable@4.4.5
MIT	react-enhanced-reducer-hook@1.0.2
MIT	react-event-timeline@1.6.3
MIT	react-fullscreen-element@1.0.2
MIT	react-gesture-responder@2.1.0
MIT	react-google-charts@3.0.15
MIT	react-grid-dnd@2.1.2
MIT	react-grid-layout@1.3.4
MIT	react-gtm-module@2.0.11
MIT	react-hammerjs@1.0.1
MIT	react-inspector@5.1.1

라이선스 종류	사용 라이브러리
MIT	react-is@16.13.1
MIT	react-joyride@1.11.4
MIT	react-json-view@1.21.3
MIT	react-layout-components@3.0.6
MIT	react-lazy-load@3.1.14
MIT	react-lazyload@2.6.9
MIT	react-lifecycles-compat@3.0.4
MIT	react-load-script@0.0.6
MIT	react-loadable@5.5.0
MIT	react-loader@2.4.7
MIT	react-lowligh@2.0.0
MIT	react-markdown@2.5.1
MIT	react-masonry-css@1.0.16
MIT	react-measure@2.5.2
MIT	react-mf-modal@0.2.1
MIT	react-moment-proptypes@1.8.1
MIT	react-monaco-editor@0.43.0
MIT	react-motion-drawer@3.1.0

라이선스 종류	사용 라이브러리
MIT	react-motion@0.4.8
MIT	react-motion@0.5.2
MIT	react-onclickoutside@6.12.2
MIT	react-overlays@0.8.3
MIT	react-popout@1.0.3
MIT	react-popper@1.3.11
MIT	react-portal@3.2.0
MIT	react-prop-types@0.4.0
MIT	react-redux@5.1.2
MIT	react-resizable@1.11.1
MIT	react-resizable@3.0.4
MIT	react-router-dom@4.3.1
MIT	react-router-redux@5.0.0-alpha.8
MIT	react-router@4.3.1
MIT	react-scroll@1.8.9
MIT	react-sizeme@3.0.2
MIT	react-slick@0.15.4
MIT	react-spring@9.0.0-beta.8

라이선스 종류	사용 라이브러리
MIT	react-svg-inline@2.1.1
MIT	react-table-hoc-fixed-columns@1.0.7
MIT	react-table-sticky@1.1.3
MIT	react-table@6.10.3
MIT	react-table@7.8.0
MIT	react-tabs@3.2.3
MIT	react-tag-autocomplete@6.3.0
MIT	react-textarea-autosize@8.4.0
MIT	react-tippy@1.4.0
MIT	react-toastify@4.5.2
MIT	react-tooltip@3.11.6
MIT	react-treebeard@1.1.4
MIT	react-use-localstorage@3.5.3
MIT	react-virtualized-auto-sizer@1.0.7
MIT	react-virtualized@9.22.3
MIT	react-widgets@3.5.0
MIT	react-window-infinite-loader@1.0.8
MIT	react-window-size@1.2.2

라이선스 종류	사용 라이브러리
MIT	react-window@1.8.8
MIT	react-with-styles@1.4.0
MIT	react@18.2.0
MIT	reactcss@1.2.3
MIT	read-pkg-up@3.0.0
MIT	read-pkg@3.0.0
MIT	readable-stream@2.3.7
MIT	readdirp@2.2.1
MIT	readline-sync@1.4.10
MIT	recast@0.11.23
MIT	recast@0.21.5
MIT	redent@2.0.0
MIT	reduce-reducers@0.4.3
MIT	redux-actions@2.6.5
MIT	redux-form@6.8.0
MIT	redux-saga@1.2.2
MIT	redux-thunk@2.4.2
MIT	redux@3.7.2

라이선스 종류	사용 라이브러리
MIT	redux@4.2.0
MIT	reflect.ownkeys@0.2.0
MIT	regenerator-preset@0.14.1
MIT	regenerator-runtime@0.11.1
MIT	regenerator-runtime@0.13.11
MIT	regenerator-transform@0.15.1
MIT	regenerator@0.14.10
MIT	regex-not@1.0.2
MIT	regexp.prototype.flags@1.4.3
MIT	registry-auth-token@3.4.0
MIT	registry-url@3.1.0
MIT	remove-accents@0.4.2
MIT	remove-trailing-spaces@1.0.8
MIT	repeat-element@1.1.4
MIT	repeat-string@1.6.1
MIT	replace-css-url@1.2.6
MIT	reselect@3.0.1
MIT	resize-observer-polyfill@1.5.1

라이선스 종류	사용 라이브러리
MIT	resolve-from@4.0.0
MIT	resolve-pathname@3.0.0
MIT	resolve-url@0.2.1
MIT	resolve@1.22.1
MIT	ret@0.1.15
MIT	safe-buffer@5.1.2
MIT	safe-regex-test@1.0.0
MIT	safe-regex@1.1.0
MIT	safer-buffer@2.1.2
MIT	scheduler@0.19.1
MIT	scheduler@0.23.0
MIT	schema-utils@3.1.1
MIT	scroll-into-view-if-needed@2.2.31
MIT	scroll@2.0.3
MIT	seekout@1.0.2
MIT	semver-diff@2.1.0
MIT	set-value@2.0.1
MIT	set-value@3.0.3

라이선스 종류	사용 라이브러리
MIT	setimmediate@1.0.5
MIT	shallow-equal@1.2.1
MIT	shallowequal@0.2.2
MIT	shallowequal@1.1.0
MIT	shebang-command@1.2.0
MIT	shebang-command@2.0.0
MIT	shebang-regex@1.0.0
MIT	shebang-regex@3.0.0
MIT	shortid@2.2.16
MIT	side-channel@1.0.4
MIT	slick-carousel@1.8.1
MIT	snapdragon-node@2.1.1
MIT	snapdragon-util@3.0.1
MIT	snapdragon@0.8.2
MIT	source-map-resolve@0.5.3
MIT	source-map-support@0.5.21
MIT	source-map-url@0.4.1
MIT	spdx-expression-parse@3.0.1

라이선스 종류	사용 라이브러리
MIT	spin.js@2.3.2
MIT	split-on-first@1.1.0
MIT	split-string@3.1.0
MIT	sql-formatter@2.3.4
MIT	sshpk@1.17.0
MIT	stackblur-canvas@2.5.0
MIT	static-extend@0.1.2
MIT	strict-uri-encode@2.0.0
MIT	string-convert@0.2.1
MIT	string-template@1.0.0
MIT	string-width@2.1.1
MIT	string.prototype.repeat@0.2.0
MIT	string.prototype.trimend@1.0.6
MIT	string.prototype.trimstart@1.0.6
MIT	string_decoder@1.1.1
MIT	strip-ansi@4.0.0
MIT	strip-bom@3.0.0
MIT	strip-eof@1.0.0

라이선스 종류	사용 라이브러리
MIT	strip-indent@2.0.0
MIT	strip-json-comments@2.0.1
MIT	styled-components@4.4.1
MIT	styled-components@5.3.6
MIT	styled-media-query@2.1.2
MIT	stylis-rule-sheet@0.0.10
MIT	stylis@3.5.4
MIT	superagent@3.8.3
MIT	supports-color@5.5.0
MIT	supports-color@8.1.1
MIT	supports-preserve-symlinks-flag@1.0.0
MIT	svg-injector@1.1.3
MIT	svg-pathdata@6.0.3
MIT	symbol-observable@1.2.0
MIT	tapable@2.2.1
MIT	tar-fs@1.16.3
MIT	tar-stream@1.6.2
MIT	term-size@1.2.0

라이선스 종류	사용 라이브러리
MIT	terser-webpack-plugin@5.3.6
MIT	text-segmentation@1.0.3
MIT	throttle-debounce@3.0.1
MIT	through2@2.0.5
MIT	through@2.3.8
MIT	timed-out@4.0.1
MIT	tiny-invariant@1.3.1
MIT	tiny-warning@1.0.3
MIT	tinycolor2@1.5.1
MIT	to-buffer@1.1.1
MIT	to-camel-case@1.0.0
MIT	to-fast-properties@2.0.0
MIT	to-no-case@1.0.2
MIT	to-object-path@0.3.0
MIT	to-regex-range@2.1.1
MIT	to-regex@3.0.2
MIT	to-space-case@1.0.0
MIT	toggle-selection@1.0.6

라이선스 종류	사용 라이브러리
MIT	tr46@0.0.3
MIT	trim-newlines@2.0.0
MIT	ts-enum-util@4.0.2
MIT	tui-date-picker@4.3.2
MIT	tui-grid@4.19.4
MIT	tui-pagination@3.4.1
MIT	tui-time-picker@2.1.5
MIT	typed-styles@0.0.7
MIT	typescript-compare@0.0.2
MIT	typescript-logic@0.0.0
MIT	typescript-tuple@2.2.1
MIT	ua-parser-js@0.7.32
MIT	unbox-primitive@1.0.2
MIT	uncontrollable@4.1.0
MIT	uncontrollable@5.1.0
MIT	undefsafe@2.0.5
MIT	underscore@1.13.6
MIT	union-value@1.0.1

라이선스 종류	사용 라이브러리
MIT	unqid@5.4.0
MIT	unique-string@1.0.0
MIT	universal-cookie@2.2.0
MIT	universal-cookie@4.0.4
MIT	universalify@0.1.2
MIT	unset-value@1.0.0
MIT	unzip-response@2.0.1
MIT	upath@1.2.0
MIT	update-browserslist-db@1.0.10
MIT	urix@0.1.0
MIT	url-parse-lax@1.0.0
MIT	url-search-params-polyfill@4.0.1
MIT	url@0.10.3
MIT	use-composed-ref@1.3.0
MIT	use-isomorphic-layout-effect@1.1.2
MIT	use-latest@1.2.1
MIT	use@3.1.1
MIT	util-deprecate@1.0.2

라이선스 종류	사용 라이브러리
MIT	util@0.12.5
MIT	utrie@1.0.2
MIT	uuid@3.4.0
MIT	uuid@8.0.0
MIT	value-equal@1.0.1
MIT	velocity-animate@1.5.2
MIT	velocity-react@1.4.3
MIT	verror@1.10.0
MIT	visavail@1.5.0
MIT	warning@4.0.3
MIT	watchpack@2.4.0
MIT	webpack-sources@3.2.3
MIT	webpack@5.75.0
MIT	whatwg-fetch@0.9.0
MIT	whatwg-fetch@2.0.4
MIT	whatwg-fetch@3.6.2
MIT	whatwg-url@5.0.0
MIT	which-boxed-primitive@1.0.2

라이선스 종류	사용 라이브러리
MIT	which-typed-array@1.1.9
MIT	widest-line@2.0.1
MIT	wikidata-person-names@1.1.0
MIT	xdg-basedir@3.0.0
MIT	xml2js@0.4.19
MIT	xmlbuilder@9.0.7
MIT	xtend@4.0.2
MIT	component-indexof@0.0.3
MIT	locale@0.1.0
MIT	process@0.5.2
MIT	rgbcolor@1.0.1
MIT	valid-url@1.0.9
MIT	com.microsoft.sqlserver:mssql-jdbc
MIT	org.springframework.session:spring-session-data-redis
MIT	redis.clients:jedis
MIT	kr.co.linkhub:popbill-sdk
MIT	github.com/cilium/ebpf
MIT	github.com/drael/GOnetstat

라이선스 종류	사용 라이브러리
MIT	github.com/emicklei/go-restful/v3
MIT	github.com/josharian/intern
MIT	github.com/json-iterator/go
MIT	github.com/klauspost/compress/zstd/internal/xxhash
MIT	github.com/mailru/easyjson
MIT	github.com/sirupsen/logrus
MIT	github.com/stretchr/objx
MIT	github.com/stretchr/testify
MIT	gopkg.in/yaml.v3
MIT	sigs.k8s.io/yaml
MIT	https://github.com/JamesNK/Newtonsoft.Json
MIT	https://github.com/nlohmann/json
MIT	github.com/jehiah/go-strftime
MIT	github.com/natefinch/lumberjack
MIT	github.com/sevlyar/go-daemon
MIT	github.com/stretchr/objx
MIT	github.com/stretchr/testify
MIT	gopkg.in/yaml.v3

라이선스 종류	사용 라이브러리
MIT	github.com/jehiah/go-strftime
MIT	github.com/natefinch/lumberjack
MIT	github.com/sevlyar/go-daemon
MIT	github.com/stretchr/objx
MIT	github.com/stretchr/testify
MIT	gopkg.in/yaml.v3
MIT	github.com/gofiber/fiber/v2/internal/msgp
MIT	github.com/jinzhu/gorm
MIT	github.com/jinzhu/inflexion
MIT	github.com/jinzhu/now
MIT	github.com/klauspost/compress/zstd/internal/xxhash
MIT	github.com/labstack/echo
MIT	github.com/labstack/echo/v4
MIT	github.com/labstack/gommon
MIT	github.com/leodido/go-urn
MIT	github.com/mattn/go-colorable
MIT	github.com/mattn/go-isatty
MIT	github.com/mattn/go-runewidth

라이선스 종류	사용 라이브러리
MIT	github.com/rivo/uniseg
MIT	github.com/ugorji/go/codec
MIT	github.com/valyala/bytebufferpool
MIT	github.com/valyala/fasthttp
MIT	github.com/valyala/fasthttp/reuseport
MIT	github.com/valyala/fasttemplate
MIT	github.com/valyala/tcplisten
MIT	gorm.io/gorm
MIT	github.com/leodido/go-urn
MIT	github.com/matttn/go-colorable
MIT	github.com/matttn/go-isatty
MIT	github.com/matttn/go-runewidth
MIT	github.com/natefinch/lumberjack
MIT	github.com/rivo/uniseg
MIT	github.com/ugorji/go/codec
MIT	github.com/valyala/bytebufferpool
MIT	github.com/valyala/fasthttp
MIT	github.com/valyala/fasthttp/reuseport

라이선스 종류	사용 라이브러리
MIT	github.com/valyala/fasttemplate
MIT	github.com/valyala/tcplisten
MIT	gorm.io/gorm
MIT	slf4j-api-1.7.6.jar
MIT	oshi-core-6.1.6.jar
MIT	slf4j-api-1.7.36.jar
MIT	slf4j-api-1.7.12.jar
MIT	jul-to-slf4j-1.7.12.jar
MIT	babel (https://github.com/babel/babel)
MIT	core-js (https://www.npmjs.com/package/core-js)
MIT	lodash (https://www.npmjs.com/package/lodash)
MIT	url-parse (https://www.npmjs.com/package/url-parse)
MIT	seedrandom (https://www.npmjs.com/package/seedrandom)
MIT	pako (https://www.npmjs.com/package/pako)
MIT	github.com/gin-contrib/cors v1.4.0
MIT	github.com/gin-gonic/gin v1.9.0
MIT	github.com/ip2location/ip2location-go v8.3.0+incompatible

라이선스 종류	사용 라이브러리
MIT	github.com/mileusna/useragent v1.3.2
MIT	github.com/Microsoft/go-winio
MIT	github.com/cakturk/go-netstat /netstat
MIT	github.com/hako/durafmt
MIT	github.com/kr/text
MIT	github.com/niemeyer/pretty
MIT	github.com/sevlyar/go-daemon
MIT	github.com/yusufpapurcu/wmi
MIT	github.com/Microsoft/go-winio
MIT	github.com/natefinch/lumberjack
MIT	github.com/yusufpapurcu/wmi
MIT	axios
MIT	bootstrap
MIT	bootstrap-vue
MIT	vue
MIT	vue-js-modal
MIT	vue-msgbox
MIT	vue-simple-alert

라이선스 종류	사용 라이브러리
MIT	vuetify-dialog
MIT	azure-core
MIT	azure-identity
MIT	azure-resourcemanager
MIT	azure-monitor-query
MIT	azure-storage-blob
MIT	azure-core-http-okhttp
MIT	mssql-jdbc
MIT	com.ncloud server
MIT	com.ncloud autoscaling
MIT	com.ncloud cdn
MIT	com.ncloud clouddb
MIT	com.ncloud loadbalancer
MIT	com.ncloud vautoscaling
MIT	com.ncloud vloadbalancer
MIT	com.ncloud vnas
MIT	com.ncloud vpc
MIT	com.ncloud vserver

라이선스 종류	사용 라이브러리
MIT	github.com/go-ping/ping
MIT	org.slf4j:slf4j-api
MIT	"pidusage": "1.1.0"
MIT	reactive-streams-1.0.3.jar
MIT	com.stripe:stripe-java
MIT	org.mockito:mockito-core
MIT	org.mockito:mockito-inline
MIT OR Apache 2.0	atob@2.1.2
MIT OR Apache 2.0	btoa@1.2.1
MIT OR Apache 2.0	remedial@1.0.8
MPL 1.1, LGPL 2.1, Apache 2.0	org.javassist:javassist
MPL 2.0	github.com/hashicorp/errwrap
MPL 2.0	github.com/hashicorp/go-multierror
MPL 2.0	github.com/hashicorp/go-uuid
MPL 2.0 OR Apache 2.0	dompurify@2.4.1
MPL 2.0, EPL 1.0	com.h2database:h2
MS-PL license	https://github.com/arlm/Sigil-vNext
PHP 3.01	php

라이선스 종류	사용 라이브러리
SCALA LICENSE(Apache 2.0)	org.scala-lang:scala-library
The GNU General Public License, v2 with Universal FOSS Exception, v1.0	mysql-connector-java
The GNU General Public License, v2 with Universal FOSS Exception, v1.0	com.mysql:mysql-connector-j
WTFPL OR MIT	path-is-inside@1.0.2