# GitLab

- description : Gitlab 사용법 기술
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## 주요 명령어

gitlab 설정 파일

```
cd /opt/gitlab/bin
$> sudo -s vi /etc/gitlab/gitlab.rb
```

gitlab 시작 및 종료

```
cd /opt/gitlab/bin
$> sudo -s gitlab-ctl start
$> sudo -s gitlab-ctl stop
```

gitlab 기본 설정

gitlab 재 설정 후 재 시작

```
cd /opt/gitlab/bin
$> sudo -s gitlab-ctl reconfigure
```

gitlab 로그 확인

```
cd /opt/gitlab/bin
$> sudo -s vi /var/log/gitlab/gitlab-rails/production.log
```

## ssh key 생성

Windows

```
Git Bash 실행

$ ssh-keygen
dhan-yoga@REPIA-DHAN MINGW64 ~
$ ssh-keygen
Generating public/private rsa key pair.
```

```
Enter file in which to save the key (/c/Users/user/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/user/.ssh/id_rsa.
Your public key has been saved in /c/Users/user/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:V39LcB5Fo085B6lO3LapBWMv+1FMkI5q9bpBx5py8VE user@DESKTOP
The key's randomart image is:
+---[RSA 2048]----+
|              o=o|
|              +o+|
|           ..B *E|
|           .XoX++|
|        S .*o*=*+|
|         .o.o*B+.|
|         .. =*o. |
|           o+. . |
|            .o.  |
+----[SHA256]-----+
```

```
ssh-rsa AAAAB3.............................................사용자@컴퓨터이름
```

```
Message:
https://gitlab.com/lukmin77/keis_monitoring_web_2020.git: Secure connection
to https://gitlab.com/lukmin77/keis_monitoring_web_2020.git could not be
stablished because of SSL problems


Exception Stack Trace:
org.eclipse.jgit.api.errors.TransportException:
https://gitlab.com/lukmin77/keis_monitoring_web_2020.git: Secure connection
to https://gitlab.com/lukmin77/keis_monitoring_web_2020.git could not be
stablished because of SSL problems
    at org.eclipse.jgit.api.FetchCommand.call(FetchCommand.java:250)
    at org.eclipse.jgit.api.PullCommand.call(PullCommand.java:293)
    at org.eclipse.egit.core.op.PullOperation$1.run(PullOperation.java:200)
    at
org.eclipse.core.internal.resources.Workspace.run(Workspace.java:2240)
    at
org.eclipse.core.internal.resources.Workspace.run(Workspace.java:2267)
    at
org.eclipse.egit.core.op.PullOperation.execute(PullOperation.java:232)
    at
org.eclipse.egit.ui.internal.pull.PullOperationUI.execute(PullOperationUI.ja
va:176)
    at
org.eclipse.egit.ui.internal.pull.PullOperationUI.access$0(PullOperationUI.j
ava:168)
    at
org.eclipse.egit.ui.internal.pull.PullOperationUI$1.runInWorkspace(PullOpera
tionUI.java:141)
```

```
    at
org.eclipse.core.internal.resources.InternalWorkspaceJob.run(InternalWorkspa
ceJob.java:39)
    at org.eclipse.core.internal.jobs.Worker.run(Worker.java:56)
Caused by: org.eclipse.jgit.errors.TransportException:
https://gitlab.com/lukmin77/keis_monitoring_web_2020.git: Secure connection
to https://gitlab.com/lukmin77/keis_monitoring_web_2020.git could not be
stablished because of SSL problems
    at
org.eclipse.jgit.transport.TransportHttp.handleSslFailure(TransportHttp.java
:619)
    at
org.eclipse.jgit.transport.TransportHttp.connect(TransportHttp.java:569)
    at
org.eclipse.jgit.transport.TransportHttp.openFetch(TransportHttp.java:341)
    at
org.eclipse.jgit.transport.FetchProcess.executeImp(FetchProcess.java:137)
    at
org.eclipse.jgit.transport.FetchProcess.execute(FetchProcess.java:123)
    at org.eclipse.jgit.transport.Transport.fetch(Transport.java:1236)
    at org.eclipse.jgit.api.FetchCommand.call(FetchCommand.java:239)
    ... 10 more
Caused by: javax.net.ssl.SSLHandshakeException: Received fatal alert:
handshake_failure
    at sun.security.ssl.Alerts.getSSLException(Alerts.java:192)
    at sun.security.ssl.Alerts.getSSLException(Alerts.java:154)
    at sun.security.ssl.SSLSocketImpl.recvAlert(SSLSocketImpl.java:1991)
    at sun.security.ssl.SSLSocketImpl.readRecord(SSLSocketImpl.java:1104)
    at
sun.security.ssl.SSLSocketImpl.performInitialHandshake(SSLSocketImpl.java:13
43)
    at
sun.security.ssl.SSLSocketImpl.startHandshake(SSLSocketImpl.java:1371)
    at
sun.security.ssl.SSLSocketImpl.startHandshake(SSLSocketImpl.java:1355)
    at
sun.net.www.protocol.https.HttpsClient.afterConnect(HttpsClient.java:563)
    at
sun.net.www.protocol.https.AbstractDelegateHttpsURLConnection.connect(Abstra
ctDelegateHttpsURLConnection.java:185)
    at
sun.net.www.protocol.http.HttpURLConnection.getInputStream0(HttpURLConnectio
n.java:1511)
    at
sun.net.www.protocol.http.HttpURLConnection.getInputStream(HttpURLConnection
.java:1439)
    at
java.net.HttpURLConnection.getResponseCode(HttpURLConnection.java:480)
    at
sun.net.www.protocol.https.HttpsURLConnectionImpl.getResponseCode(HttpsURLCo
nnectionImpl.java:338)
```

```
    at
org.eclipse.jgit.transport.http.JDKHttpConnection.getResponseCode(JDKHttpCon
nection.java:99)
    at org.eclipse.jgit.util.HttpSupport.response(HttpSupport.java:202)
    at
org.eclipse.jgit.transport.TransportHttp.connect(TransportHttp.java:500)
    ... 15 more


Session Data:
eclipse.buildId=4.7.3.M20180330-0640
java.version=1.8.0_20
java.vendor=Oracle Corporation
BootLoader constants: OS=win32, ARCH=x86_64, WS=win32, NL=ko_KR
Framework arguments:  -product org.eclipse.epp.package.jee.product
Command-line arguments:  -os win32 -ws win32 -arch x86_64 -product
org.eclipse.epp.package.jee.product
```

```
<?xml version="1.0" encoding="UTF-8"?>
<projectDescription>
    <name>keis_monitoring_web_2020</name>
    <comment></comment>
    <projects>
    </projects>
    <buildSpec>
        <buildCommand>
            <name>org.eclipse.wst.common.project.facet.core.builder</name>
            <arguments>
            </arguments>
        </buildCommand>
        <buildCommand>
            <name>org.eclipse.jdt.core.javabuilder</name>
            <arguments>
            </arguments>
        </buildCommand>
        <buildCommand>
            <name>org.eclipse.m2e.core.maven2Builder</name>
            <arguments>
            </arguments>
        </buildCommand>
        <buildCommand>
            <name>org.springframework.ide.eclipse.core.springbuilder</name>
            <arguments>
            </arguments>
        </buildCommand>
        <buildCommand>
<name>org.springframework.ide.eclipse.boot.validation.springbootbuilder</nam
e>
            <arguments>
            </arguments>
```

```
        </buildCommand>
    </buildSpec>
    <natures>
        <nature>org.springframework.ide.eclipse.core.springnature</nature>
        <nature>org.eclipse.jdt.core.javanature</nature>
        <nature>org.eclipse.m2e.core.maven2Nature</nature>
        <nature>org.eclipse.wst.common.project.facet.core.nature</nature>
    </natures>
</projectDescription>
```

## 백업

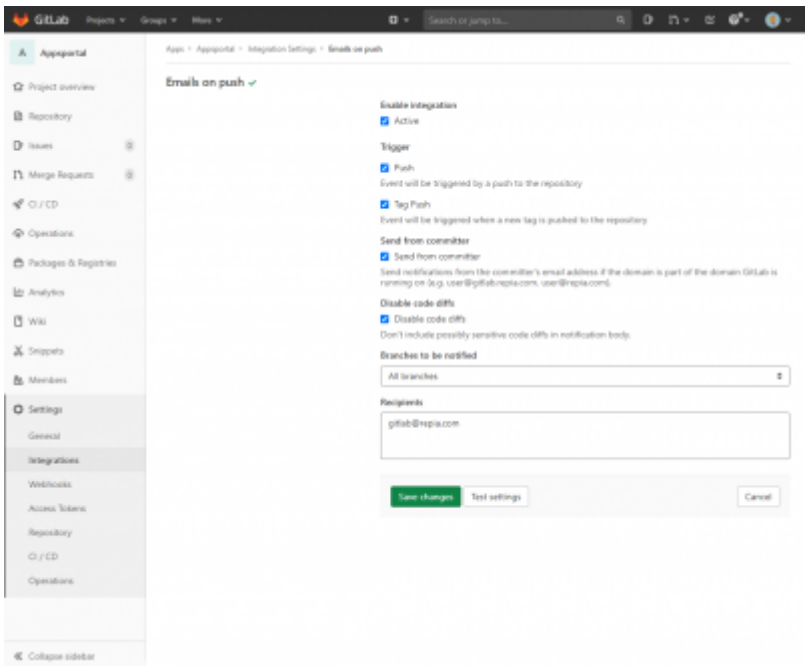
- GitLab 백업

## 설치

CentOS 7 에서 GitLab 설치하기

## Tip

- 프로젝트 이벤트 알람 보내기
  1. ${프로젝트명} > Settings > Integrations > Emails on push 이동
  2. 옵션을 체크한 이후 마지막에 메일 주소를 입력하고 저장하면 됩니다.




## Troubleshooting

깃랩 웹('root') 패스워드 리셋하기

깃랩 pull 에러 날 경우 1
깃랩 pull 에러 날 경우 2

주레피, gitlab

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