

PRIBIT Connect Controller Installation

💡 본 문서는 PRIBIT Connect Controller(이하 'PCC')의 단계별 설치 방법을 안내합니다.

설치 버전 : 2.6.4.13

Prerequisites

- 설치 환경([Prerequisites](#)) 준비
- 시스템 구성([System Architecture](#)) 확인

Installation Steps

1. PCC Package 압축 해제

- 설치를 진행 할 계정을 root 로 변경해줍니다.
- 설치 시작 위치에 패키지 파일을 준비해 놓습니다.
- deb로 압축된 패키지를 지정된 디렉토리에 압축 해제하는 과정입니다.

```
# dpkg -i PRIBIT-Connect-Controller-Focal_[VERSION].deb

Selecting previously unselected package pribit-connect-controller.
(Reading database ... 145175 files and directories currently installed.)
Preparing to unpack PRIBIT-Connect-Controller-Focal_[VERSION].deb ...
Unpacking pribit-connect-controller ([VERSION]) ...
Setting up pribit-connect-controller ([VERSION]) ...
```

dpkg 명령어를 실행하여 패키지를 설치합니다.

```
# cd /usr/local/pribit/connect/services
# ls -al
drwxrwxr-x  7 pribit pribit  4096 Aug 11 08:06 .
drwxrwxr-x  3 pribit pribit  4096 Aug 11 08:06 ..
drwxrwxr-x  2 pribit pribit  4096 Aug 11 08:06 ctrl
-rwxrwxr-x  1 pribit pribit 59473 Aug  5 06:27 install_offline.sh
```

```
-rwxrwxr-x 1 pribit pribit 62237 Aug  5 06:27 install_online.sh
drwxrwxr-x 2 pribit pribit  4096 Aug 11 08:06 mysql
drwxrwxr-x 2 pribit pribit  4096 Aug 11 08:06 nginx
drwxrwxr-x 2 pribit pribit  4096 Aug 11 08:06 sys
drwxrwxr-x 23 pribit pribit  4096 Aug 11 08:06 thirdparty-packages
```

deb 패키지를 설치하면 `/usr./local/pribit/connect/service/` 경로에 다음과 같은 파일이 생성됩니다.

2. PCC 설치

- PCC 설치 방식에는 `install_offline.sh`와 `install_online.sh` 두 가지 옵션이 있습니다.
- `install_offline.sh` 설치 방식
 - 인터넷 네트워크와 연결이 없는 Offline 으로 설치를 진행합니다.
- `install_online.sh` 설치 방식
 - 인터넷 네트워크와 연결된 Online 으로 설치를 진행합니다.

설치 스크립트 `install_offline.sh` 실행

```
# ./install_offline.sh
=====
=====
2025-08-11 08:24:00 | Installing PRIBIT Connect Controller
2025-08-11 08:24:00 | The installation process is saved in a log file
2025-08-11 08:24:00 | log file path '/opt/connect/logs/connect-controller-
install.log'
2025-08-11 08:24:00 | This OS is Ubuntu 20.04.6 LTS
=====
=====
2025-08-11 08:24:00 | OS Auto Update Disable Setting
=====
=====
2025-08-11 08:24:00 | modify /etc/apt/apt.conf.d/10periodic
2025-08-11 08:24:00 | modify /etc/apt/apt.conf.d/20auto-upgrades
2025-08-11 08:24:00 | disable apt-daily.timer
2025-08-11 08:24:01 | disable apt-daily-upgrade.timer
=====
=====
2025-08-11 08:24:01 | OS Auto Update Disable Setting SUCCESS
=====
=====
(Continue)
```

`./install_offline.sh` 명령어를 실행합니다.

PCC 가 사용할 Database 설치

```
Enter DBMS root new password: [패스워드 입력]
Re-enter DBMS root new password: [패스워드 재입력]
=====
(Continue)
```

Database 의 root 계정 패스워드를 입력합니다.

(root 계정 패스워드 Rapi2560!)

```
Create database User : pribit
Enter pribit new password: [패스워드 입력]
Re-enter pribit new password: [패스워드 입력]
(Continue)
```

Database User 를 생성하고 계정의 패스워드를 입력합니다.

(계정: pribit / 패스워드: Rapi2560!)

PCC Console 에 접근 허용할 IP Address 설정

```
=====
Enter Allowed IP for PRIBIT Connect Controller : [접근 허용 IP Address]
Re-enter Allowed IP for PRIBIT Connect Controller : [접근 허용 IP Address]
(Continue)
```

설치되는 PRIBIT Connect Controller 관리자 페이지에 접속 허용 할 IP Address 정보를 입력합니다.

(모두 허용 (All allow) 시: 0.0.0.0)

(특정 관리자 허용 시: host 단위 ip 지정)

PCC 에서 사용하는 라이브러리 설치

```
=====
=====
2025-08-12 02:25:23 | apt-get update
2025-08-12 02:25:23 | OFF-LINE mode do not need apt-get update
=====
=====
2025-08-12 02:25:23 | net-tools install
2025-08-12 02:25:23 | net-tools already installed.
=====
=====
2025-08-12 02:25:23 | rdate install
2025-08-12 02:25:29 | rdate installation
2025-08-12 02:25:29 | rdate install SUCCESS
=====
=====
2025-08-12 11:25:30 | timezone is 'Asia/Seoul'
2025-08-12 11:25:30 | time server is 'time.bora.net'
=====
=====
2025-08-12 11:25:30 | rsyslog setting
2025-08-12 11:25:31 | rsyslog setting SUCCESS
=====
=====
2025-08-12 11:25:31 | check service
2025-08-12 11:25:31 | check service SUCCESS
=====
=====
2025-08-12 11:25:32 | openjdk-17-jre install
2025-08-12 11:26:22 | openjdk-17-jre installation
2025-08-12 11:26:22 | openjdk-17-jre install SUCCESS
=====
=====
2025-08-12 11:26:22 | build-essential install
2025-08-12 11:27:16 | build-essential installation
2025-08-12 11:27:16 | build-essential install SUCCESS
=====
=====
2025-08-12 11:27:16 | libpcrc3-dev install
2025-08-12 11:27:26 | libpcrc3-dev installation
2025-08-12 11:27:26 | libpcrc3-dev install SUCCESS
=====
=====
2025-08-12 11:27:26 | zlib1g-dev install
2025-08-12 11:27:32 | zlib1g-dev installation
2025-08-12 11:27:32 | zlib1g-dev install SUCCESS
=====
=====
```

```
2025-08-12 11:27:32 | libssl-dev install
2025-08-12 11:27:33 | libssl-dev installation
2025-08-12 11:27:33 | libssl-dev already installed
=====
=====
2025-08-12 11:27:34 | libgd-dev install
2025-08-12 11:28:01 | libgd-dev installation
2025-08-12 11:28:01 | libgd-dev install SUCCESS
=====
=====
2025-08-12 11:28:01 | libxml2-dev install
2025-08-12 11:28:14 | libxml2-dev installation
2025-08-12 11:28:14 | libxml2-dev install SUCCESS
=====
=====
2025-08-12 11:28:14 | apt-transport-https install
2025-08-12 11:28:19 | apt-transport-https installation
2025-08-12 11:28:19 | apt-transport-https install SUCCESS
=====
=====
2025-08-12 11:28:19 | expect install
2025-08-12 11:28:30 | expect installation
2025-08-12 11:28:30 | expect install SUCCESS
=====
=====
2025-08-12 11:28:30 | mariadb add apt repository Setting
2025-08-12 11:28:30 | OFF-LINE mode do not need add mariadb apt repository
Setting
=====
=====
2025-08-12 11:28:30 | mariadb-server install
2025-08-12 11:28:58 | mariadb-server installation
2025-08-12 11:28:58 | mariadb-server install SUCCESS
=====
=====
2025-08-12 11:28:58 | mariadb-backup install
2025-08-12 11:29:07 | mariadb-backup installation
2025-08-12 11:29:07 | mariadb-backup install SUCCESS
=====
=====
2025-08-12 11:29:08 | mysql_secure_installation
2025-08-12 11:29:10 | mysql_secure_installation SUCCESS
=====
=====
2025-08-12 11:29:11 | PRIBIT Connect Controller DataBase Setting
2025-08-12 11:29:13 | PRIBIT Connect Controller DataBase Setting SUCCESS
=====
=====
2025-08-12 11:29:14 | shc install
2025-08-12 11:29:22 | shc installation
2025-08-12 11:29:22 | shc install SUCCESS
=====
=====
2025-08-12 11:29:22 | thirdparty-conf-set.sh to BINARY
```

```
2025-08-12 11:29:22 | thirdparty-conf-set.sh to BINARY SUCCESS
=====
=====
2025-08-12 11:29:22 | mariadb systemd reset
2025-08-12 11:29:29 | mariadb systemd reset SUCCESS
=====
=====
2025-08-12 11:29:29 | hostname change
2025-08-12 11:29:29 | hostname change to connect-controller SUCCESS
=====
=====
2025-08-12 11:29:29 | systemd add connect controller service
2025-08-12 11:29:32 | systemd add connect controller service SUCCESS
=====
=====
2025-08-12 11:29:32 | openssl build
2025-08-12 11:37:57 | openssl configure make install
2025-08-12 11:37:57 | openssl build SUCCESS
=====
=====
2025-08-12 11:37:57 | nginx build
2025-08-12 11:40:07 | nginx configure make install
2025-08-12 11:40:07 | nginx make install build SUCCESS
=====
=====
2025-08-12 11:40:07 | redis-server add apt repository set
2025-08-12 11:40:08 | OFF-LINE mode do not need add redis-server apt
repository set
=====
=====
2025-08-12 11:40:08 | redis-server install
2025-08-12 11:40:48 | redis-server installation
2025-08-12 11:40:48 | redis-server install SUCCESS
=====
=====
2025-08-12 11:40:48 | redis-server add json plugin
2025-08-12 11:40:54 | redis-server add json plugin(librejson.so)
2025-08-12 11:40:54 | redis-server add json plugin(librejson.so) SUCCESS
=====
=====
2025-08-12 11:40:54 | redis set
2025-08-12 11:41:09 | redis setting
2025-08-12 11:41:09 | redis set SUCCESS
=====
=====
2025-08-12 11:41:09 | keepalived install
2025-08-12 11:41:23 | keepalived installation
2025-08-12 11:41:23 | keepalived install SUCCESS
=====
=====
2025-08-12 11:41:23 | snmpd install
2025-08-12 11:41:33 | snmpd installation
2025-08-12 11:41:33 | snmpd install SUCCESS
=====
```

```

=====
2025-08-12 11:41:33 | snmp install
2025-08-12 11:41:38 | snmp installation
2025-08-12 11:41:38 | snmp install SUCCESS
=====
=====
2025-08-12 11:41:38 | bwm-ng install
2025-08-12 11:41:45 | bwm-ng installation
2025-08-12 11:41:45 | bwm-ng install SUCCESS
=====
=====
(Continue)

```

PCC 실행에 필요한 라이브러리들을 설치합니다.

PCC 설치 마무리

```

=====
=====
2025-08-12 11:41:46 | file access setting
2025-08-12 11:41:47 | file access setting SUCCESS
=====
=====
2025-08-12 11:41:48 | make properties files
2025-08-12 11:42:00 | making properties files
2025-08-12 11:42:00 | make properties files SUCCESS
=====
=====
2025-08-12 11:42:00 | remove install files
2025-08-12 11:42:01 | remove install files SUCCESS
=====
=====
2025-08-12 11:43:37 | Start PRIBIT Connect Controller
2025-08-12 11:43:37 | The installation was completed normally.
=====
=====
OS Version           : Ubuntu 20.04.6 LTS
OS Kernel Version    : 5.4.0-144-generic
Openssl Version       : v3.0.16
Nginx Version         : v1.26.3
OpenJDK Version       : v17.0.14
Embedded Tomcat Version : v10.1.34
MariaDB Version       : v10.6.21
Redis Version         : v7.4.2
Keepalived Version    : v2.0.19
Snmpd Version         : v5.8
bwm-ng Version        : v0.6.2

```

```
=====
=====
```

설치가 완료되면 'The installation was completed normally.' 라는 메시지가 나타나며 설치 과정이 완료됩니다.

3. PCC Process 확인

- 설치가 정상적으로 완료되면 PCC 가 자동으로 실행되도록 되어 있습니다.
- 모든 모듈이 정상적으로 기동되었는지 확인합니다.
- Process 확인
 - Web
 - systemctl status connect-controller
 - systemctl status connect-controller-check
 - systemctl status connect-controller-api
 - systemctl status connect-controller-web
 - systemctl status nginx

```
# ps -ef | grep controller
root      74231      1  0 Aug11 ?           00:04:20 /usr/bin/java -
server -Dfile.encoding=UTF-8 -Djdk.lang.Process.launchMechanism=vfork -
Xms512M -Xmx1024M -XX:+UseParallelGC -jar
/opt/connect/controller/web/controller-web-1.0.war
root      74380      1  0 Aug11 ?           00:03:41 /usr/bin/java -
server -Dfile.encoding=UTF-8 -Djdk.lang.Process.launchMechanism=vfork -
Xms512M -Xmx1024M -XX:+UseParallelGC -jar
/opt/connect/controller/api/controller-api-1.0.jar
root      74753      1  6 Aug11 ?           01:00:32 /usr/bin/java -
server -Dpgct=connect-controller -Dpgct.home=/opt/connect/controller -
Dfile.encoding=UTF-8 -Djdk.lang.Process.launchMechanism=vfork -Xms2048m
-Xmx3072m -jar /opt/connect/controller/rpc/controller-rpc-1.0.jar
root      74990      1  0 Aug11 ?           00:08:18 /usr/bin/java -
Djdk.lang.Process.launchMechanism=vfork -jar
/opt/connect/controller/check/controller-check-1.0.jar
```

- Database / Redis
 - systemctl status mariadb
 - systemctl status redis

```
# ps -ef | grep -E mariadb\|redis
redis     133681      1  0 11:41 ?           00:00:31 /usr/bin/redis-
server 127.0.0.1:6379
mysql     136330      1  0 11:42 ?           00:00:19 /usr/sbin/mariabdb
```


- Web Listen Port 확인

- TCP PORT 443:
- TCP PORT 5996:
- TCP PORT 5997:
- TCP PORT 5999:

```
# netstat -an | grep -E '443'\|'5996'\|'5997'\|'5999'
tcp        0      0 0.0.0.0:443          0.0.0.0:*           LISTEN
tcp        0      0 0.0.0.0:5996        0.0.0.0:*           LISTEN
tcp        0      0 0.0.0.0:5997        0.0.0.0:*           LISTEN
tcp6       0      0 :::5999             :::*                LISTEN
```

4. 초기 설정 및 라이선스 적용

- PCC 가 정상적으로 기동되면 관리자 PC 에서 PCC Console 에 접속하여 라이선스를 적용합니다.
- 초기 설정([사용자 메뉴얼](#)) 및 라이선스 적용([라이선스 적용](#))은 기술지원에 문의 하십시오.