alternative

— *2024/12/20 11:06*

alternatives   ,
                                    , java, editor, (x)emacs, (n)vi(m)
                    , alternatives
        .

alternatives

- 　　　　　　　　:
  　.
- 　　　　　　:   ,
  　　　　　　　　.
- 　　　　　　　:   ,
  　　　　　　　.

  　　　:

em   ,   nem   :

- 　em　　　　　/opt/em-legacy/em2　　　,　　　nem
  /usr/local/bin/nem　　　　　.
- 　　　　　　　　uemacs　　　　　　　　　　:

```
alternatives --install /usr/bin/em uemacs /opt/em-legacy/em2 1
alternatives --install /usr/bin/em uemacs /usr/local/bin/nem 99
```

, alternatives —config uemacs   :

```
alternatives --config uemacs
```

              ,   ,
    .

- alternatives   ,   .
- 　　(: EDITOR, CC)   /etc   ($HOME/.profile)
            .
- alternatives   ,
    ,   .

Master - Slave

Master-Slave 는 ? alternatives 시스템에서 하나의 주 명령어(: /usr/bin/java)와 , 이와 관련된 여러 보조 명령어(: javac, javadoc, javaws)를 함께 관리하는 방식입니다.

Master-Slave

alternatives 에서 master-slave 관계를 설정하는 방법.

1.

설치된 두 개의 버전:

- /usr/lib/jvm/java-8-openjdk/bin/java
- /usr/lib/jvm/java-11-openjdk/bin/java

2. Master-Slave

. :

```
alternatives --install /usr/bin/java java /usr/lib/jvm/java-8-
openjdk/bin/java 1 \
    --slave /usr/bin/javac javac /usr/lib/jvm/java-8-openjdk/bin/javac \
    --slave /usr/bin/javadoc javadoc /usr/lib/jvm/java-8-openjdk/bin/javadoc
\
    --slave /usr/bin/javaws javaws /usr/lib/jvm/java-8-openjdk/bin/javaws

alternatives --install /usr/bin/java java /usr/lib/jvm/java-11-
openjdk/bin/java 2 \
    --slave /usr/bin/javac javac /usr/lib/jvm/java-11-openjdk/bin/javac \
    --slave /usr/bin/javadoc javadoc /usr/lib/jvm/java-11-
openjdk/bin/javadoc \
    --slave /usr/bin/javaws javaws /usr/lib/jvm/java-11-openjdk/bin/javaws
```

3. Master-Slave

1. /usr/bin/java   .
2. javac, javadoc, javaws   .
3.   alternatives —config java   ,   (javac, javadoc, javaws)   .

Master-Slave

.

```
alternatives --display java
```

:

```
java - status is auto.
 link currently points to /usr/lib/jvm/java-11-openjdk/bin/java
/usr/lib/jvm/java-8-openjdk/bin/java - priority 1
 slave javac: /usr/lib/jvm/java-8-openjdk/bin/javac
 slave javadoc: /usr/lib/jvm/java-8-openjdk/bin/javadoc
 slave javaws: /usr/lib/jvm/java-8-openjdk/bin/javaws
/usr/lib/jvm/java-11-openjdk/bin/java - priority 2
 slave javac: /usr/lib/jvm/java-11-openjdk/bin/javac
 slave javadoc: /usr/lib/jvm/java-11-openjdk/bin/javadoc
 slave javaws: /usr/lib/jvm/java-11-openjdk/bin/javaws
```

1. alternatives **Master-Slave** ,
   .
2. .
3. (: python) .

alternatives python

python

```
alternatives --install /usr/bin/python python /usr/bin/python3.9 1
alternatives --install /usr/bin/python python /usr/bin/python3.12 2

alternatives --config python
```

python3

```
alternatives --install /usr/bin/python3 python3 /usr/bin/python3.9 1
alternatives --install /usr/bin/python3 python3 /usr/bin/python3.12 2

alternatives --config python3
```

Last
update:
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alternative_로_실행_명령어_버전_관리
https://atl.kr/dokuwiki/doku.php/alternative_%EB%A1%9C_%EC%8B%A4%ED%96%89_%EB%AA%85%EB%A0%B9%EC%96%B4_%EB%B2%84%EC%A0%84_%EA%B4%80%EB%A6%AC

- master-slave

```
alternatives --install /usr/bin/python python /usr/bin/python3.9 1 \
    --slave /usr/bin/python3 python3 /usr/bin/python3.9

alternatives --install /usr/bin/python python /usr/bin/python3.12 2 \
    --slave /usr/bin/python3 python3 /usr/bin/python3.12

alternatives --config python
```