alternative

— *2024/12/20 11:06*

alternatives 는   ,
                                                , 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 주 명령어(: /usr/bin/java)와, 관련된 명령어(: javac, javadoc, javaws)를
. 입니다.

Master-Slave

alternatives 시스템에서 master-slave 구조는 .

1.

:

- /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
```

- 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
```

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Last update: **2024/12/20 11:06**