Apache Jboss (mod_jk) 연동

Index of /tomcat/tomcat-connectors/jk

This download page includes only the sources to compile and build Apache Tomcat Connectors yourself with the proper tools. Download the precompiled distribution for your platform from binaries/.

https://dlcdn.apache.org/tomcat/tomcat-connectors/jk/#releases

```
wget http://archive.apache.org/dist/tomcat/tomcat-connectors/jk/tomcat-connectors-1.2.42-src.tar.gz

# 다운로드
```

```
경로 : /home/test/tomcat-connectors-1.2.42-src/native

# Apache를 패키지 매니저로 설치했을 경우, apxs 실행파일은 httpd-devel 패키지를 다운로드 받아야 apxs가 설치됨
./configure --with-apxs=/home/test/apache-2.4.43/bin/apxs
make
```

```
경로 : /home/test/tomcat-connectors-1.2.42-src/native/apache-2.0
경로에 mod_jk.so 생성

apache의 home에 modules 디렉토리에 복사해준다.
```

```
# apache 옵션

LoadModule : 연동모듈의 경로 및 파일명을 선언합니다.
JkWorkersFile : 연동할 JBoss에 대한 정보들을 선언합니다.
JkShmFile : 공유 메모리 파일이름(모듈)을 선언합니다. 이 옵션에 대한 정보는 아래에서 확인가능합니다.
JkLogFile : jk_mod 로그파일을 출력합니다.
JkLogLevel : 출력할 jk_mod 로그레벨을 선언합니다.
```

```
JkMount /          # <-- Jboss의 Context Root를 지정
```

```
http.conf

LoadModule jk_module modules/mod_jk.so

JkWorkersFile /home/apache01/apache-2.4.43/conf/workers.properties

JkShmFile logs/mod_jk.shm
JkLogFile logs/mod_jk.log
```

```
JkLogLevel debug

<VirtualHost *:80>
    ServerName 192.168.4.42
    JkMount / worker1
    ErrorLog logs/192.168.4.42-error_log
    CustomLog logs/192.168.4.-access_log common
</VirtualHost>
```

```
vi workers.properties

#Name of the worker
worker.list = worker1

#Slave 1 Configuration
worker.slave1.type = ajp13
worker.slave1.host = 192.168.4.43
worker.slave1.port = 8009
worker.slave1.lbfactor = 10

#Slave 2 Configuration
worker.slave2.type = ajp13
worker.slave2.host = 192.168.4.44
worker.slave2.port = 8009
worker.slave2.lbfactor = 5

# LB method and stick session and the member details
worker.worker1.type = lb
worker.worker1.sticky_session = 0
worker.worker1.balance_workers = slave1, slave2
```

```
Jboss Server Name

<?xml version='1.0' encoding='UTF-8'?>

<host xmlns="urn:jboss:domain:11.0" name="slave1">
    <extensions>
        <extension module="org.jboss.as.jmx"/>
        <extension module="org.wildfly.extension.core-management"/>
        <extension module="org.wildfly.extension.elytron"/>
    </extensions>
```

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```
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# 다운로드
```

```
[root@apache tomcat-connectors-1.2.43-src]# cd native/
[root@apache native]# ls
BUILDING.txt   README.txt   aclocal.m4     common        docs      scripts
Makefile.am    STATUS.txt   apache-2.0     configure     iis
Makefile.in    TODO.txt     buildconf.sh   configure.ac  netscape
[root@apache native]# ./configure --with-apxs=/home/yun/apache/bin/spxs
```

```
./configure --with-apxs=/home/yun/apache/bin/apxs
make
```

```
[root@apache conf]# cd extra/
[root@apache extra]# ls
httpd-autoindex.conf   httpd-languages.conf           httpd-ssl.conf
httpd-dav.conf         httpd-manual.conf              httpd-userdir.conf
httpd-default.conf     httpd-mpm.conf                 httpd-vhosts.conf
httpd-info.conf        httpd-multilang-errordoc.conf  proxy-html.conf
[root@apache extra]# vi httpd-vhosts.conf
[root@apache extra]# vi httpd-vhosts.conf
[root@apache extra]#
```

root@apache:/home/yun/apache/conf/extra — □ ×

```
#<VirtualHost *:80>
#     ServerAdmin webmaster@dummy-host2.example.com
#     DocumentRoot "/home/yun/apache/docs/dummy-host2.example.com"
#     ServerName dummy-host2.example.com
#     ErrorLog "logs/dummy-host2.example.com-error_log"
#     CustomLog "logs/dummy-host2.example.com-access_log" common
#</VirtualHost>


LoadModule jk_module modules/mod_jk.so

JkWorkersFile /home/yun/apache/conf/workers.properties

JkShmFile logs/mod_jk.shm
JkLogFile logs/mod_jk.log
JkLogLevel debug

<VirtualHost *:80>
    ServerAdmin yunjboss
    ServerName 192.168.56.121
    ErrorLog "logs/yunjboss.com-error_log"
    CustomLog "logs/yunjboss-access_log" common
    JkMount /* worker1
</VirtualHost>
```

```
vhost.conf

LoadModule jk_module modules/mod_jk.so
JkWorkersFile /home/yun/apache/conf/workers.properties

JkShmFile logs/mod_jk.shm
JkLogFile logs/mod_jk.log
JkLogLevel debug

<VirtualHost *:80>
```

```
  ServerAdmin yunjboss
  ServerName 192.168.56.121
  ErrorLog "logs/yunjboss-error_log"
  CustumLog "logs/yunjboss-access_log" common
  JkMount /* worker1
</VirtualHost>

JkUnMount로 예외 처리가능 ( JkUnMount /healthCheck.html )
```



```
workers.properties

worker.list = worker1

worker.slave1.type = ajp13
worker.slave1.host = 192.168.56.121
worker.slave1.port = 8009
worker.slave1.lbfactor = 10

worker.worker1.type = lb
worker.worker1.sticky_session = 0
worker.worker1.balance_workers = slave1
```