**Production Migration Setting**

1. context.xml

- database connection schema

1. esl-config.properties
   * max question
   * min full mark
2. log4j.properties

- remove stdout

**Tomcat Settings**

1. Install Tomcat 6 default window installer
2. Put mysql lib into tomcat 6 lib folder
3. Put ESL into webapp folder
4. Add “-Dfreetts.voices=com.sun.speech.freetts.en.us.cmu\_us\_kal.KevinVoiceDirectory” in startup script
5. Add index.html in “WEB-INF/ROOT” folder

**Apache Settings**

1. In httpd.conf in Apache add,

LoadModule jk\_module modules/mod\_jk-1.2.27.so

<VirtualHost \*:80>

ServerName www.funfunspell.com

ServerAlias funfunspell.com \*.funfunspell.com

DocumentRoot "E:/wwwroot/ESL"

JkMount /\* worker\_ESL1

</VirtualHost>

<IfModule jk\_module>

JkWorkersFile conf/workers.properties

JkLogFile logs/mod\_jk.log

JkLogLevel error

JkLogStampFormat "[%a %b %d %H:%M:%S %Y] "

</IfModule>

1. Prepare conf/workers.properties

# Define 1 real worker using ajp13

worker.list=worker\_ESL1

# Set properties for worker1 (ajp13)

worker.worker\_ESL1.type=ajp13

worker.worker\_ESL1.host=localhost

worker.worker\_ESL1.port=8009

**Production Server Software Requirement:**

1. Windows Server 2003 or 2008 or Home Server
2. XAMPP (Tomcat, MySQL, Apache + PHP, FTP)
3. or WAMP + Tomcat + Gene6 FTP
4. BT