Start scripts guide for Dpost Server

DPost Server, when installed, is pretty standard Play! Framework application

All rules, that apply to this framework – apply to Dpost

There are 3 main parts in the start script:
1) specify DPOST_HOME - directory where Dpost installed
2) specify „classpath“ , this is a list of all libraries, that Dpost uses.
3) specify java execution line, which contains execution parameters.

Let's review all that on example (as an example taken linux start.sh script)

1) export DPOST_HOME=$(dirname $0)
This tells us, that DPOST installed in the directory where we run this script

2)
classpath="$DPOST_HOME/lib/....
This tells us, which libraries used by DPOST

3)exec java $* -cp $classpath -Xmx512m -Xms128m play.core.server.NettyServer $DPOST_HOME

This tells us:

exec	- linux command to start the process
java	- name of the process to start
$*	- means, that what follows will be a long string, containing all arguments
-cp $classpath	- means , we now run the java process with specified earlier classpath
-Xmx512m	- we allocate 512 Mb RAM for this java process (at max)
-Xms128m	- we allocate 128 Mb RAM for that java process (initially)

play.core.server.NettyServer - is an entry point for java process, that we run – this point is actually HTTP SERVER object.
$DPOST_HOME – is an argument, that we pass to HTTP server to start it exactly in DPOST_HOME directory

Possible changes

1) Memory and other VM parameters
You can change memory and other JAVA VM parameters, as explained here:
http://docs.oracle.com/cd/E18930_01/html/821-2416/gepzd.html

2) Security, SSL configuration
You can configure SSL, as explained here, but basically:
add `-Dhttps.port=9443 to start script`

exec java $* -cp $classpath **`-Dhttps.port=9443`** -Xmx512m -Xms128m play.core.server.NettyServer $DPOST_HOME

For dev. needs it will be OK. Play Framework will listen now for https://localhost:9443

Then (if you in production), generate your certificate and add it's store , as parameters to the same line, these are parameters:

-D**https.keyStore** - The path to the keystore containing the private key and certificate, if not provided generates a keystore for you

-D**https.keyStoreType** - The key store type, defaults to `JKS`

-D**https.keyStorePassword** - The password, defaults to a blank password

-D**https.keyStoreAlgorithm** - The key store algorithm, defaults to the platforms default algorithm

3) Another host or port for HTTP

```
-Dhttp.port=1234 -Dhttp.address=127.0.0.1
```

And you can find more here: