Stress Tests

Launching Stress Tests

1. There is approximate list of commands that should be executed:

```
cd <new folder for bti>
svn co https://svn.apache.org/repos/asf/harmony/enhanced/buildtest/trunk/infra
cd infra
ant -Dtest.suites="stress" install
ant -Dtest.suites="stress" setup
ant -Dtest.suites="stress" run
```

Results could be observed at build/results/stress folder

2. In case of testing virtual machine in different location the following commands can help:

```
cd <new folder for bti>
svn co https://svn.apache.org/repos/asf/harmony/enhanced/buildtest/trunk/infra
cd infra
ant -Dtest.suites=stress install
ant -Dtest.suites=stress setup
```

Modify file "required-parameters.properties" in order to set the path to tested vm like:

```
stress.jvm.under.test=C:\harmony-jdk-628209\jre\bin\java.exe
```

Start test running

```
ant -Dtest.suites=stress run
```

To launch stress tests without buildtest do the following:

1. Download required files from a repository.
   ```
   svn co http://svn.apache.org/repos/asf/harmony/enhanced/buildtest/branches/2.0/tests/stress
   svn co http://svn.apache.org/repos/asf/harmony/enhanced/buildtest/branches/2.0/tests/tools
   ```

2. Follow instructions from `stress/README.txt`.
3. Build and run the tests.
   ```
   cd stress/qa && ant update && ant
   ```

Also it's useful to keep in mind the following:

1. On Linux you might want to use `ant --noconfig` to make additional ant packages work.
2. On Windows `SystemRoot` property in this capitalization should be set to `/windows` or `/winnt` directories which contain the OS distribution.
3. You might want to double check that `TestedRuntime` property at `stress/qa/config/cfg_env.xml` is set to a path to a java executable you want to test.
4. You may excluding more tests by adding their IDs to `stress/qa/config/exclude.file`.
5. When running as a part of BTI you need to remove `build/classes/stress/setup.OK` if you want to rebuild the test suite.

Stress Tests TODO

P1

1. Fix stack walking tests by catching OutOfMemoryErrors properly. 2. Fix class loading tests by adjusting timeout automatically.

P2

1. Rename `qa/src/test/stress/org/apache/harmony/test/stress/<module>/<submodule>/<test>/<testcase>.xml` to `src/org/apache/harmony/test/stress/<module>/<submodule>/<testcase>.xml`, or even `src/<module>/<submodule>/<testcase>.xml`. Cannot do this now and cannot be silent about it.