Version Notes 2.2.1

These are the notes for the Struts 2.2.1 distribution.

For prior notes in this release series, see Version Notes 2.1.8.1

- If you are a Maven user, you might want to get started using the Maven Archetype.
- Another quick-start entry point is the blank application. Rename and deploy the WAR as a starting point for your own development.

Maven Dependency

```xml
<dependency>
    <groupId>org.apache.struts</groupId>
    <artifactId>struts2-core</artifactId>
    <version>2.2.1</version>
</dependency>
```

Snapshot Repository

```xml
<repositories>
    <repository>
        <id>apache.nexus</id>
        <name>ASF Nexus Staging</name>
        <url>https://repository.apache.org/content/groups/staging/</url>
    </repository>
</repositories>
```

Internal Changes

- XWork was moved to ASF and it's a part of Struts 2 now. With this release the new XWork 2.2.0 is also available! In the future version, the XWork will be merged into Struts 2.
- XWork Maven artifact is now under <groupId>org.apache.struts.xwork</groupId> - it's Nexus requirement
- The XWork is using the latest OGNL version 3.0, the OGNL source code repository is hosted at Github
- Javassist dependency was excluded in OGNL, you must remember to include it, except when you are lunching an application on JBoss server
- Resolved critical XWork vulnerability, for more details please read [CVE-2010-1870: Struts2/XWork remote command execution](https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2010-1870)
- All the example applications (excluding jboss-blank) are including Javassist dependency
- The new jboss-blank example application was created to be used with JBoss server - it's excludes Javassist library as such library is already provided with a JBoss server
- New Freemarker cache options added that should significant improve efficiency during tag rendering - [WW-3467: Freemarker](https://issues.apache.org/jira/browse/WW-3467), you can read more here Freemarker

Issue Detail

- [JIRA Release Notes 2.2.1](https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=1&其它问题=2.2.1) regarding Struts 2
- [JIRA Release Notes 2.2.1](https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=1&其它问题=2.2.1) regarding XWork 2

Issue List

- [Struts 2.2.1 DONE](https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=1&其它问题=2.2.1)
- [XWork 2.2.1 DONE](https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=1&其它问题=2.2.1) - please be aware that not all issues were moved from OpenSymphony.com to ASF JIRA
- [Struts 2.2.2 TODO](https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=1&其它问题=2.2.2)
- [XWork 2.2.2 TODO](https://issues.apache.org/jira/secure/ReleaseNote.jspa?version=1&其它问题=2.2.2)

Other resources

- [Commit Logs (Struts 1 and Struts 2)](https://issues.apache.org/jira/secure/CommitLog.jspa?version=1&其它问题=2.2.1)
- [Source Code Repository (includes change browsing)](https://github.com/apache/struts2)