Version Notes 2.3.20.1

✅ These are the notes for the Struts 2.3.20 distribution.

✅ For prior notes in this release series, see Version Notes 2.3.20

- 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

```
<dependency>
  <groupId>org.apache.struts</groupId>
  <artifactId>struts2-core</artifactId>
  <version>2.3.20.1</version>
</dependency>
```

You can also use Struts Archetype Catalog like below

Struts Archetype Catalog

```
mvn archetype:generate -DarchetypeCatalog=http://struts.apache.org/
```

Staging Repository

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

Internal Changes

⚠ This release contains fix related to S2-024 security bulletin, please read it carefully!

⚠ Please read information about new internal security mechanism introduced with this version, it can have impact on your application! With version 2.3.20 new internal security mechanism was introduced, if you were setting `excludeParams` in your `struts.xml` you should remove it as this overlaps those patterns defined by the framework itself. Read more here.

Issue Detail

Issue List

- Struts 2.3.20 DONE
- Struts 2.3.x TODO

Other resources

- Commit Logs
- Source Code Repository