

# SCA Java 1.3.1

## SCA Java 1.3.1 (August 2008)

For full detail about the release please see the [RELEASE\\_NOTES](#) and [CHANGES](#) files.

### Windows

| Type   | File   | Signature               |
|--------|--|-------------------------|
| Binary | <a href="#">apache-tuscany-sca-1.3.1.zip</a>     | <a href="#">ASC MD5</a> |
| Source | <a href="#">apache-tuscany-sca-1.3.1-src.zip</a> | <a href="#">ASC MD5</a> |

### Linux / Mac OS X / Unix

| Type   | File  | Signature               |
|--------|---|-------------------------|
| Binary | <a href="#">apache-tuscany-sca-1.3.1.tar.gz</a>     | <a href="#">ASC MD5</a> |
| Source | <a href="#">apache-tuscany-sca-1.3.1-src.tar.gz</a> | <a href="#">ASC MD5</a> |

### Tuscany Eclipse Tools Updatesite

Use the following [Eclipse Tools Updatesite](#) to install the Tuscany plugins in your Eclipse IDE.

### Verifying the downloads

To ensure the integrity of the release artifacts they are digitally signed. You can find more information about the way that we sign releases [here](#). To verify the integrity of the downloaded files you **must** use signatures downloaded from our [main distribution directory](#) not from the distribution mirrors.

MD5 checksums can be verified simply by regenerating the checksum and comparing it against the checksum (the md5 file) supplied with the release. There are various utilities that can be used to generate the checksum, for example

```
openssl md5 apache-tuscany-sca-1.3.1.tar.gz
```

or

```
md5sum apache-tuscany-sca-1.3.1.tar.gz
```

PGP signatures can be verified using PGP or GPG. First download the [KEYS](#) as well as the asc signature file for the relevant distribution. Make sure you get these files from our [main distribution directory](#), rather than from a mirror. Then verify the signatures using, for example

```
pgpk -a KEYS  
pgpv apache-tuscany-sca-1.3.1.tar.gz.asc
```

or

```
pgp -ka KEYS  
pgp apache-tuscany-sca-1.3.1.tar.gz.asc
```

or

```
gpg --import KEYS  
gpg --verify apache-tuscany-sca-1.3.1.tar.gz.asc
```