Build Process

The following process can be used to build the project without an existing repository clone.

```
    git clone https://gitbox.apache.org/repos/asf/knox.git
    mvn clean install
```

If the repository has already been cloned the following process should be used.

```
    git stash
    git rebase
    git stash pop
    mvn clean install
```

There is also a build.xml in the root that will do the same thing by executing simply `ant`.

```
    ant
```

There are a few other ant targets and mvn command lines to generate various other things.

Development Build

The following are equivalent. Does not generate distribution ZIPs.

```
    ant
    mvn clean install
```

Verify Build (aka "Release")

The following are equivalent. Generates distribution ZIPs in target/dist/{X.Y.Z}

```
    ant release
    mvn -Prelease clean install
```

This is also equivalent to the Jenkins job Knox-master-verify

Full Build

Generates distribution ZIPs in target/dist/{X.Y.Z}. Generates full site in target/site of the top level and all sub-modules.

```
    ant full
    mvn -Panalyze -Prelease clean site
```

This is also equivalent to the Jenkins job Knox-master-daily

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