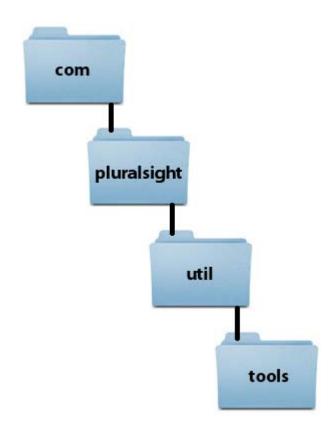
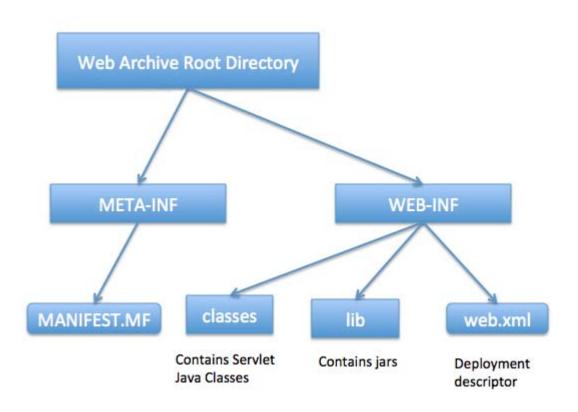
Java Directory Structure



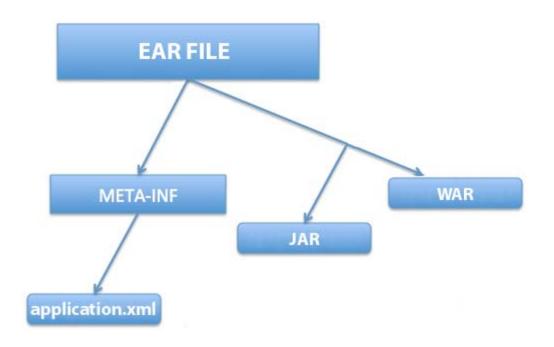
Java Compilers

- classic (the standard compiler of JDK 1.1/1.2)
- modern (the standard compiler of JDK 1.3/1.4/1.5/1.6/1.7/1.8)
- jikes (the Jikes compiler)
- jvc (the Command-Line Compiler from Microsoft's SDK for Java / Visual J++)
- kjc (the kopi compiler)
- gcj (the gcj compiler from gcc)
- sj (Symantec java compiler)
- extJavac (run either modern or classic in a JVM of its own)

WAR File Structure



EAR File Structure



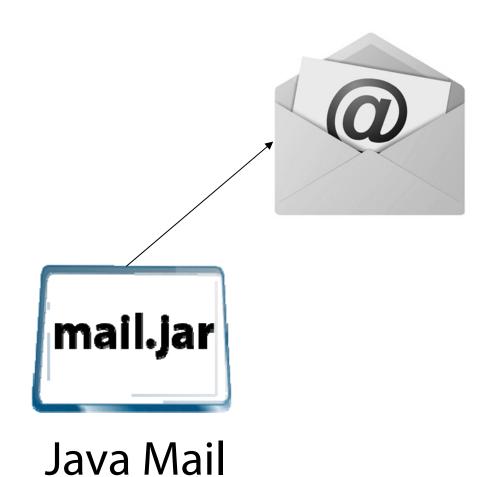
Built-In Properties

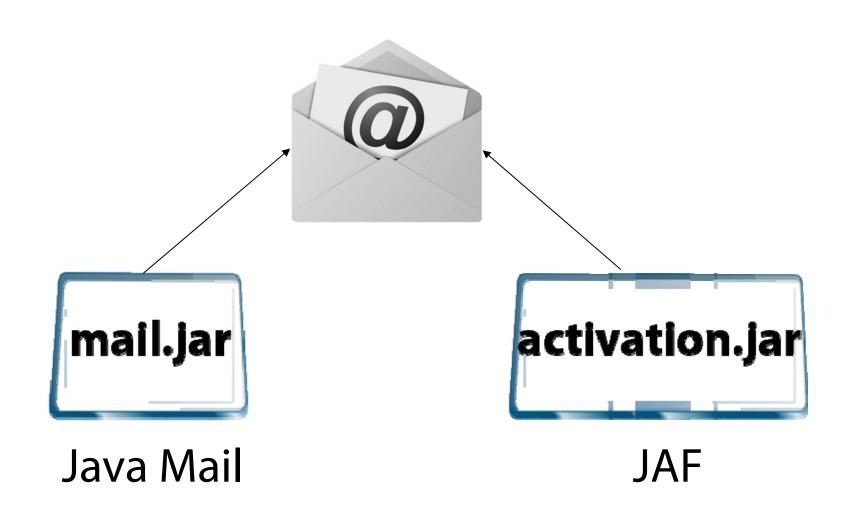
```
ant.file - The full location of the build file
ant.version - The version of the Apache Ant installation
Basedir - The basedir of the build
ant.java.version - The version of the JDK that is used by Ant.
ant.project.name - The name of the project
ant.project.default-target - The default target of the current project
ant.project.invoked-targets - List of the targets invoked in the current project
ant.core.lib - The full location of the ant jar file
ant.home - The home directory of Ant installation
ant.library.dir - The home directory for Ant library files
```

Ant Version Control Systems

- . CVS
- · Visual SourceSafe
- . ClearCase
- . Continuus/Synergy
- . PVCS
- SourceOffsite







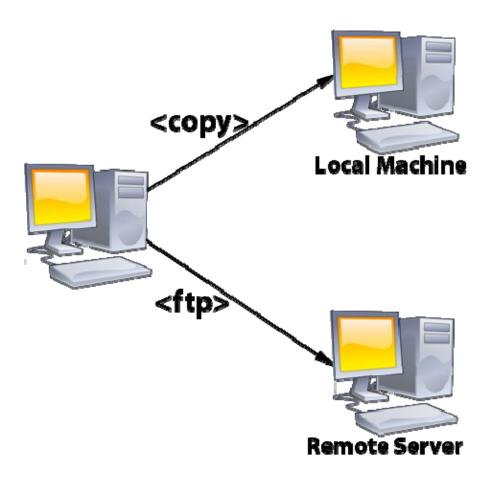
Java Mail

http://www.oracle.com/technetwork/java/index-138643.html

JAF

http://www.oracle.com/technetwork/java/jaf11-139815.html

Deployment



Ant's FTP Task

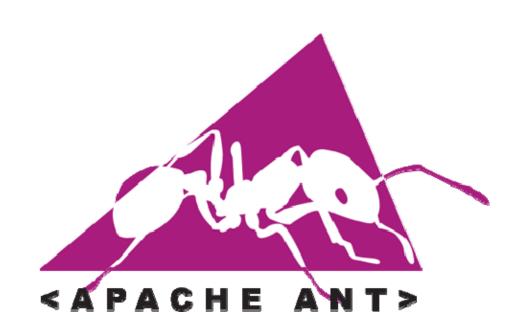
Apache Commons Net

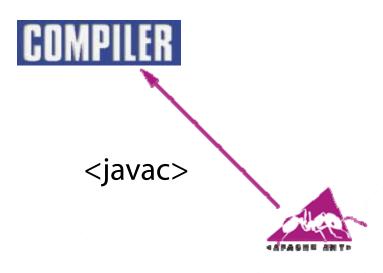
http://commons.apache.org/net/

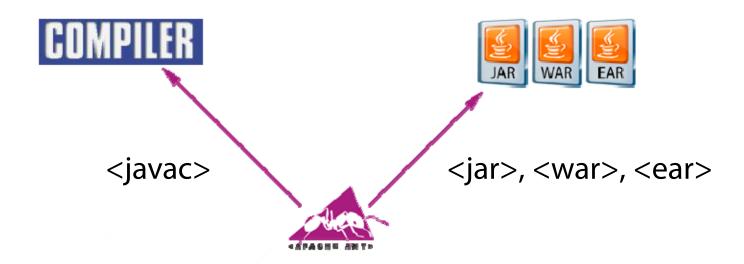
Jakarta ORO

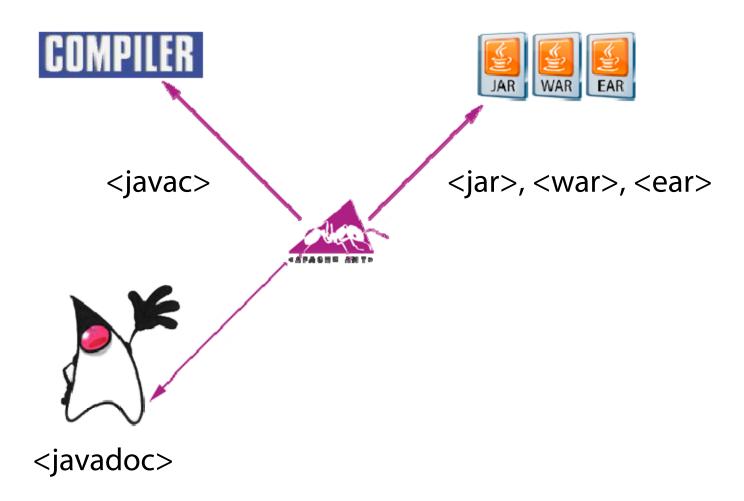
http://attic.apache.org/projects/jakarta-oro.html

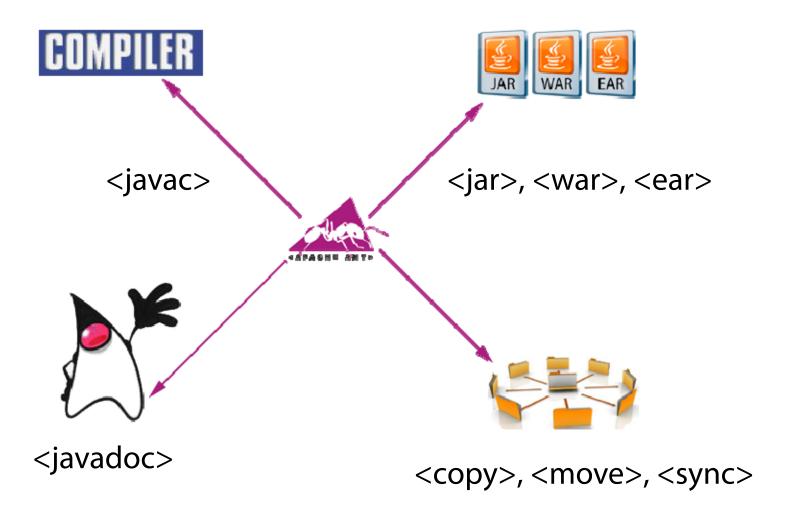
Summary



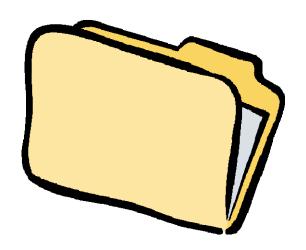




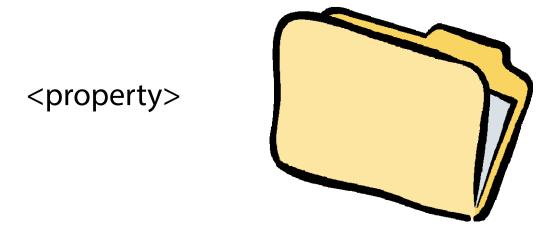




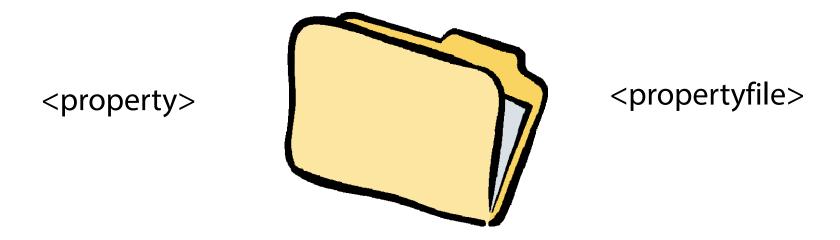
Properties Files



Properties Files



Properties Files

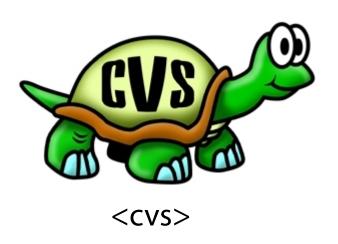


<xmlvalidate>

```
| Cold | American | Cold | American | Cold |
```

<xslt>







<mail>





<mail>



<copy>

<ftp>

Summary

