# **Apache Ant Fundamentals**

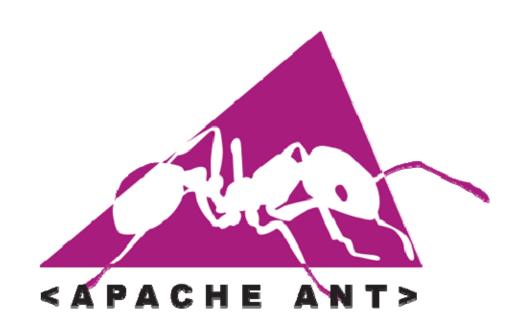
Introduction to Ant



rastyrori@yahoo.com



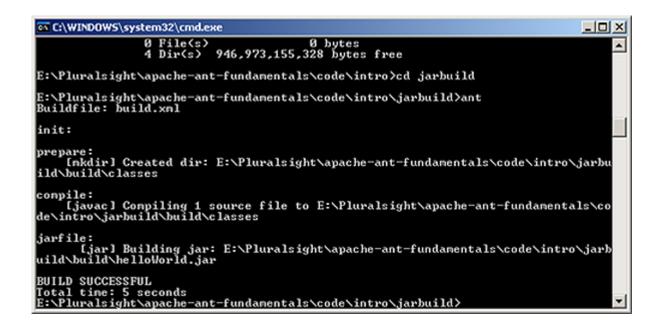




**Open Source Java Application** 

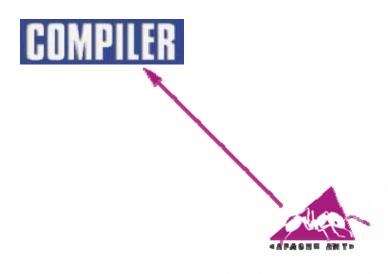


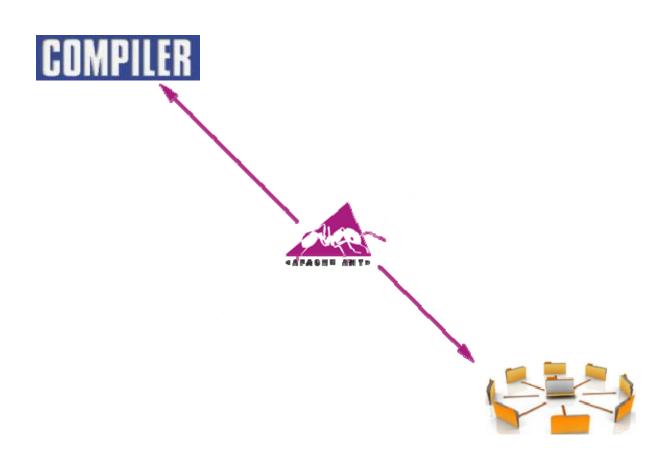


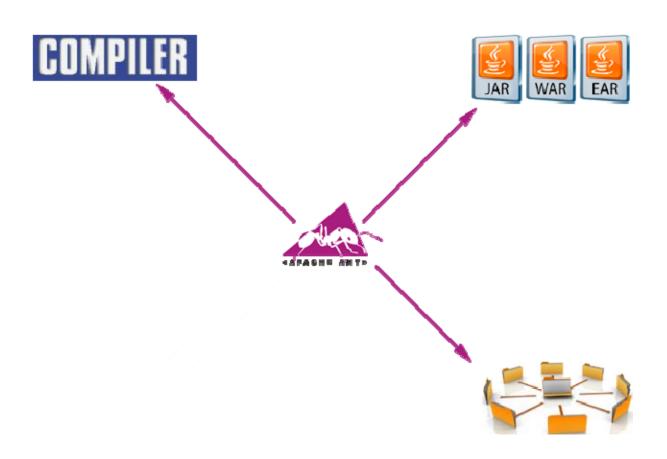


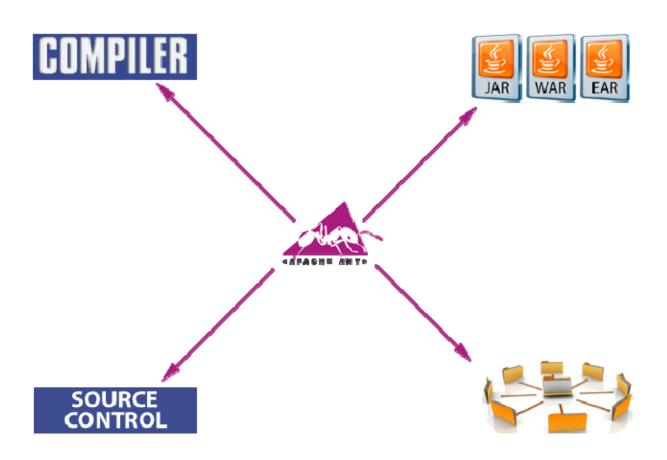
```
and the last
<?xxl version="1.0" ?>
2 @ <project name "Jarbitld" basedir", " default="jarfile">
4 0
        starget name" "init" description "Initializes properties">
            cproperty name='project.name" value="helloWorld" />
            coroperty name='src.dir' value='src' />
            coroperty name="build.dir" value="build" />
            cproperty name="classes.dir" value="f(build.diri/classes" />
            cproperty name='etc.dir' value='etc' />
10
        </tablet>
11
12 🗇
       "ctarget name "prepare" description "Creates the build and slapses directories" depends "init'>
           Cobdic dir-"!(classes.dir)" />
13
14
       </sarget>
15
15 🖹
        <target name="compile" description="Compiles the code" depende="prepare">
17
            destdir="[(classes.dir)" />
13
        </target>
13
23
        ctarget name="jarfile" description="Jalls the code" depends='compile'>
21 0
22
            Spar destfile-"?(bulld.dir)/$(project.name).jat*
                  basedic="$[classes.dic]"
23
24
                  bonifest "I(etc.dir)/MUNIFEST.RF" />
25
        </target>
25
27 🗇
     <target name="clean" description="Delete the build directory" depends="init">
23
            <detete dire"[[huild.dir]" />
22
        d/targeth
23
31
```

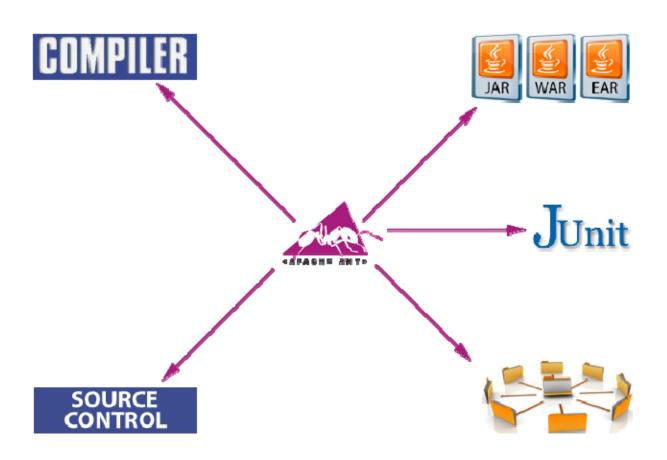


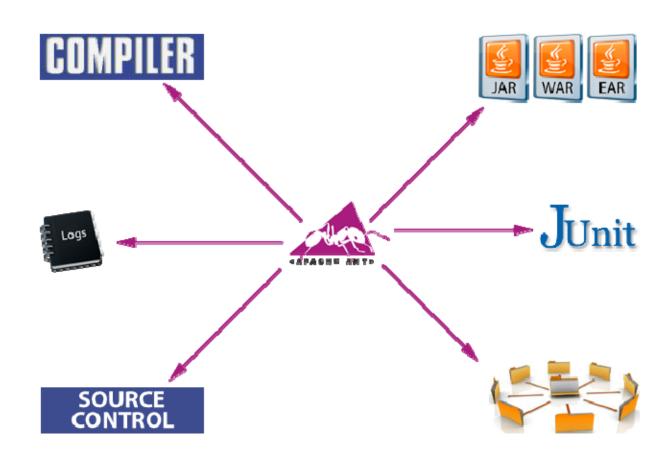


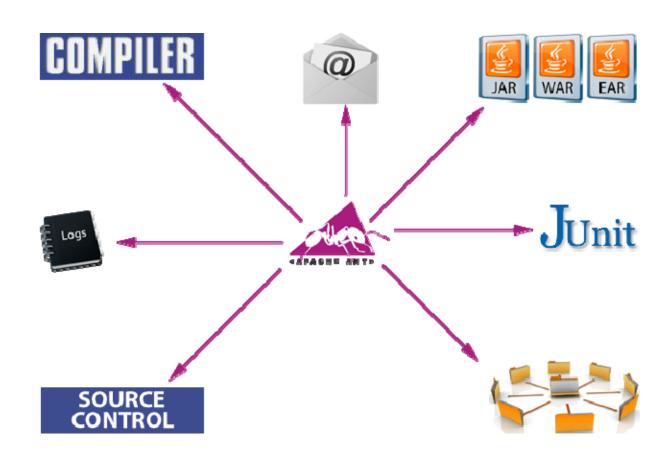


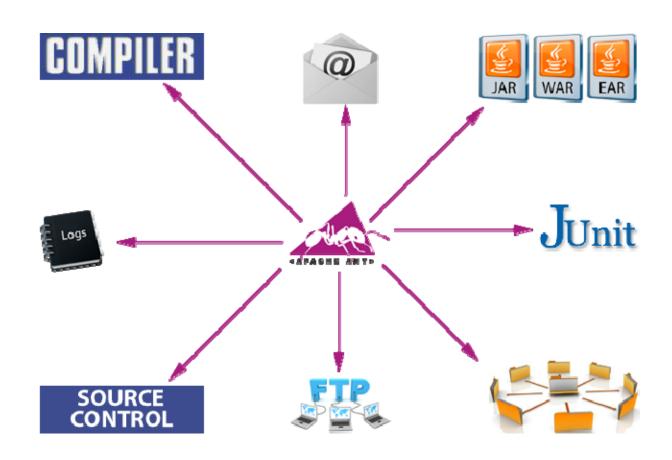
















# <?xml?>

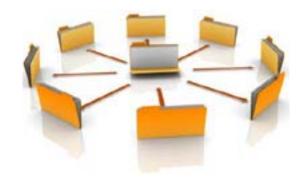


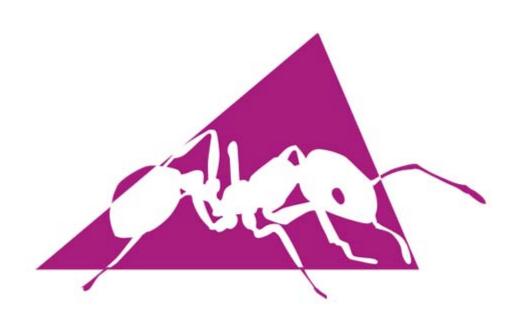




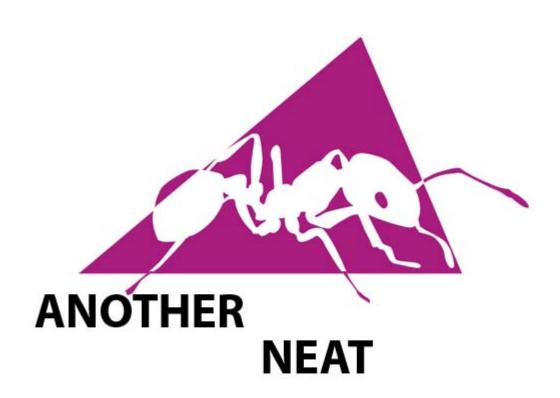


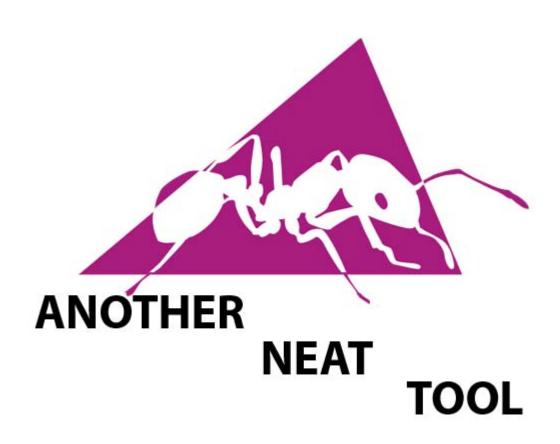


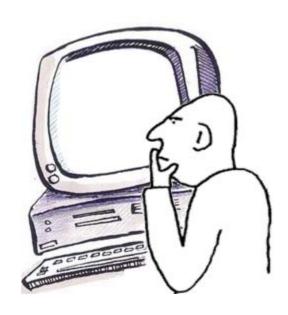


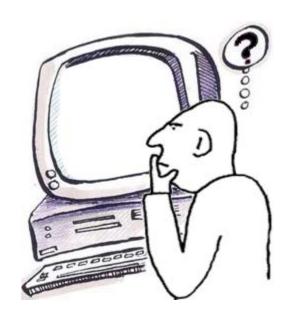


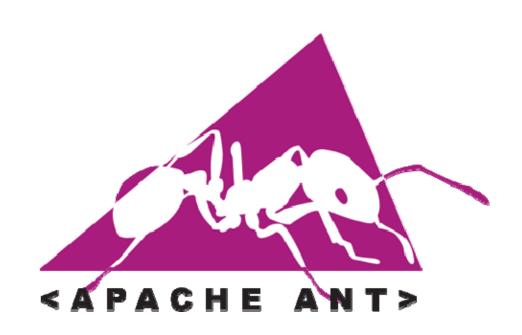












#### **Installing/Configuring**



**Installing/Configuring** 

**Command Line** 



**Installing/Configuring** 

**Command Line** 

or IDE



**Installing/Configuring** 

**Command Line** 

or IDE



**Ant Tasks** 

**Installing/Configuring** 

**Command Line** 

or IDE

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**Ant Structure** 

**Ant Tasks** 

**Installing/Configuring** 

**Command Line** 

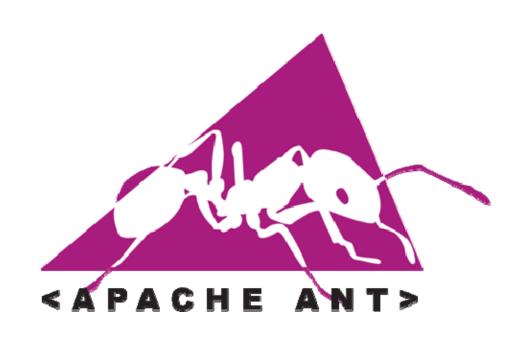
or IDE

**Nightly Build** 

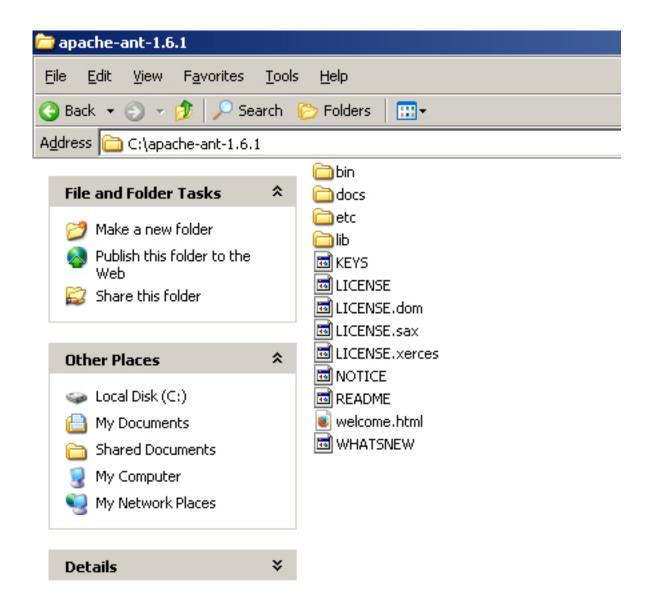


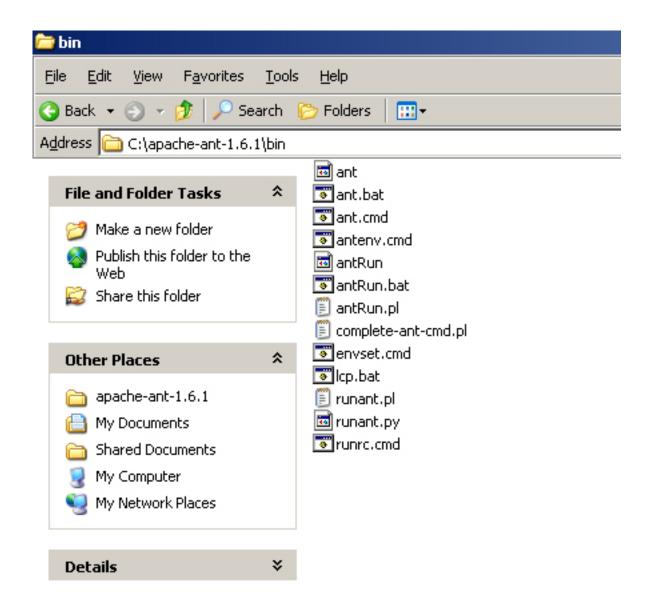
**Ant Structure** 

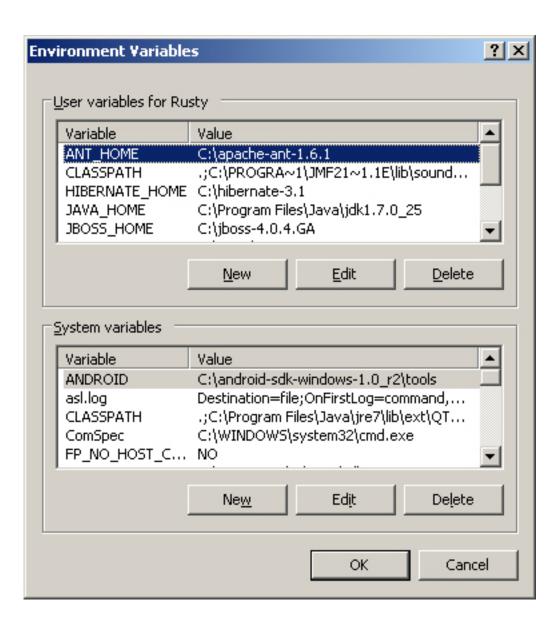
**Ant Tasks** 



- Java Development Kit (JDK) 1.5 or greater
- Download Ant: <a href="http://ant.apache.org/bindowload.cgi">http://ant.apache.org/bindowload.cgi</a>







# **Summary**

