

AntDTD1.6

Although there is no official DTD for Ant, here's a work-in-progress, based on the work from Michel Casabiana, with some modifications for Ant 1.6.

```
<?xml version="1.0" encoding="iso-8859-1"?>

<!--
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-->

<!-- project DTD for Ant -->
<!-- 2006-02-11 -->

<!ENTITY % ext-file SYSTEM "project-ext.dtd">
%ext-file;

<!ELEMENT project (description?,(target | property | available | path |
    patternset | tstamp | defaultexcludes )*)>
<!ATTLIST project
    name CDATA #IMPLIED
    default CDATA #IMPLIED
    basedir CDATA #IMPLIED>

<!ELEMENT description (#PCDATA)>

<!ELEMENT path (pathelement|fileset)*>
<!ATTLIST path
    id ID #IMPLIED>

<!ELEMENT classpath (pathelement | fileset | dirset | filelist)*>
<!ATTLIST classpath
    path CDATA #IMPLIED
    refid CDATA #IMPLIED>

<!ELEMENT pathelement EMPTY>
<!ATTLIST pathelement
    location CDATA #IMPLIED
    path CDATA #IMPLIED>

<!ELEMENT fileset (include | includesfile | exclude | excludesfile)*>
<!ATTLIST fileset
    dir CDATA #IMPLIED
    file CDATA #IMPLIED
    defaultexcludes ( yes | no ) "yes"
    includes CDATA #IMPLIED
    includesfile CDATA #IMPLIED
    excludes CDATA #IMPLIED
    excludesfile CDATA #IMPLIED
    casesensitive ( yes | no ) "yes"
    followsymlinks ( yes | no ) "yes">

<!ELEMENT dirset (include | includesfile | exclude | excludesfile)*>
<!ATTLIST dirset
    dir CDATA #REQUIRED
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        includes CDATA #IMPLIED
        includesfile CDATA #IMPLIED
        excludes CDATA #IMPLIED
        excludesfile CDATA #IMPLIED
        casesensitive ( yes | no ) "yes"
        followsymlinks ( yes | no ) "yes">

<!ELEMENT patternset (include | includesfile | exclude | excludesfile)*>
<!--ATTLIST patternset
        id ID #IMPLIED
        refid NMTOKEN #IMPLIED
        includes CDATA #IMPLIED
        includesfile CDATA #IMPLIED
        excludes CDATA #IMPLIED
        excludesfile CDATA #IMPLIED-->

<!ELEMENT include EMPTY>
<!--ATTLIST include
        name CDATA #REQUIRED
        if CDATA #IMPLIED
        unless CDATA #IMPLIED-->

<!ELEMENT exclude EMPTY>
<!--ATTLIST exclude
        name CDATA #REQUIRED
        if CDATA #IMPLIED
        unless CDATA #IMPLIED-->

<!ELEMENT includesfile EMPTY>
<!--ATTLIST includesfile
        name CDATA #REQUIRED
        if CDATA #IMPLIED
        unless CDATA #IMPLIED-->

<!ELEMENT excludesfile EMPTY>
<!--ATTLIST excludesfile
        name CDATA #REQUIRED
        if CDATA #IMPLIED
        unless CDATA #IMPLIED-->

<!ELEMENT target (ant | available | chmod | copy | copydir | copyfile |
        cvs | delete | deltree | echo | exec | expand |
        filter | get | gzip | fixcrlf | jar | java |
        javac | javadoc | javadoc2 | keysubst | mkdir | native2ascii |
        property | rename | replace | rmic | tar |
        taskdef | tstamp | xslt | war | zip %ext;)*>
<!--ATTLIST target
        name CDATA #REQUIRED
        depends CDATA #IMPLIED
        if CDATA #IMPLIED
        unless CDATA #IMPLIED
        description CDATA #IMPLIED-->

<!ELEMENT property EMPTY>
<!--ATTLIST property
        name CDATA #REQUIRED
        value CDATA #IMPLIED
        location CDATA #IMPLIED
        resource CDATA #IMPLIED
        file CDATA #IMPLIED-->

<!ELEMENT ant (property|reference)*>
<!--ATTLIST ant
        antfile CDATA #IMPLIED
        dir CDATA #IMPLIED
        target CDATA #IMPLIED
        output CDATA #IMPLIED
        inheritAll ( true | false ) "true"
        inheritRefs ( true | false ) "false"-->

<!ELEMENT reference EMPTY>

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<!ATTLIST reference
    refid          CDATA #REQUIRED
    torefid        CDATA #IMPLIED>

<!ELEMENT available EMPTY>
<!ATTLIST available
    property          CDATA #REQUIRED
    value             CDATA #IMPLIED
    classname         CDATA #IMPLIED
    file              CDATA #IMPLIED
    resource          CDATA #IMPLIED
    classpath         CDATA #IMPLIED
    filepath          CDATA #IMPLIED
    classpathref      CDATA #IMPLIED
    type              ( dir | file ) #IMPLIED
    ignoresystemclasses ( true | false ) "false">

<!ELEMENT chmod EMPTY>
<!ATTLIST chmod
    src  CDATA #REQUIRED
    perm CDATA #REQUIRED>

<!ELEMENT copy (fileset+,(globmapper|filterset)?)?>
<!ATTLIST copy
    file                  CDATA #IMPLIED
    preservelastmodified ( yes | no ) "no"
    tofile                CDATA #IMPLIED
    todir                 CDATA #IMPLIED
    overwrite             ( yes | no ) "no"
    filtering             ( yes | no | off | on ) "no"
    flatten               ( yes | no ) "no"
    includeEmptyDirs      ( yes | no ) "yes"
    failonerror           ( yes | no ) "yes"
    verbose               ( yes | no ) "no"
    encoding              CDATA #IMPLIED
    outputencoding        CDATA #IMPLIED
    enablemultiplemappings ( yes | no ) "no"
    granularity           CDATA #IMPLIED>

<!ELEMENT copydir EMPTY>
<!ATTLIST copydir
    src      CDATA #REQUIRED
    dest     CDATA #REQUIRED
    ignore   CDATA #IMPLIED
    includes CDATA #IMPLIED
    excludes CDATA #IMPLIED
    defaultexcludes CDATA #IMPLIED
    filtering CDATA #IMPLIED>

<!ELEMENT copyfile EMPTY>
<!ATTLIST copyfile
    src      CDATA #REQUIRED
    dest     CDATA #REQUIRED
    filtering CDATA #IMPLIED>

<!ELEMENT cvs EMPTY>
<!ATTLIST cvs
    cvsRoot CDATA #REQUIRED
    dest    CDATA #REQUIRED
    package CDATA #REQUIRED
    tag     CDATA #IMPLIED>

<!ELEMENT defaultexcludes EMPTY>
<!ATTLIST defaultexcludes
    echo    CDATA #IMPLIED
    default CDATA #IMPLIED
    add     CDATA #IMPLIED
    remove  CDATA #IMPLIED>

<!ELEMENT delete (fileset)*>
<!ATTLIST delete

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        file          CDATA #IMPLIED
        dir            CDATA #IMPLIED
        verbose        ( true | false ) "false"
        quiet          ( true | false ) "false"
        failonerror    ( true | false ) "true"
        includeemptydirs ( true | false ) "false"
        deleteonexit   ( true | false ) "false">

<!ELEMENT echo EMPTY>
<!ATTLIST echo
    message CDATA #REQUIRED>

<!ELEMENT exec EMPTY>
<!ATTLIST exec
    command CDATA #REQUIRED
    dir      CDATA #REQUIRED
    os       CDATA #IMPLIED
    output   CDATA #REQUIRED>

<!ELEMENT expand EMPTY>
<!ATTLIST expand
    src CDATA #REQUIRED
    dest CDATA #REQUIRED>

<!ELEMENT filter EMPTY>
<!ATTLIST filter
    token CDATA #REQUIRED
    value CDATA #REQUIRED>

<!ELEMENT get EMPTY>
<!ATTLIST get
    src      CDATA #REQUIRED
    dest     CDATA #REQUIRED
    verbose  CDATA #IMPLIED>

<!ELEMENT gzip EMPTY>
<!ATTLIST gzip
    src CDATA #REQUIRED
    zipfile CDATA #REQUIRED>

<!ELEMENT fixcrlf EMPTY>
<!ATTLIST fixcrlf
    srcdir CDATA #REQUIRED
    destDir CDATA #IMPLIED
    includes CDATA #IMPLIED
    excludes CDATA #IMPLIED
    cr      CDATA #IMPLIED
    tab     CDATA #IMPLIED
    eof     CDATA #IMPLIED>

<!ELEMENT jar (include|exclude|patternset)*>
<!ATTLIST jar
    jarfile      CDATA #REQUIRED
    basedir      CDATA #REQUIRED
    items        CDATA #IMPLIED
    ignore       CDATA #IMPLIED
    includes     CDATA #IMPLIED
    excludes     CDATA #IMPLIED
    defaultexcludes CDATA #IMPLIED
    manifest     CDATA #IMPLIED>

<!ELEMENT java (arg|classpath)*>
<!ATTLIST java
    classname      CDATA #IMPLIED
    jar            CDATA #IMPLIED
    args           CDATA #IMPLIED
    classpath      CDATA #IMPLIED
    classpathref   CDATA #IMPLIED
    fork           ( yes | no ) "no"
    spawn          ( yes | no ) "no"
    jvm            CDATA "java"

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        jvmargs          CDATA #IMPLIED
        maxmemory        CDATA #IMPLIED
        failonerror      ( true | false ) "false"
        resultproperty   CDATA #IMPLIED
        dir              CDATA #IMPLIED
        output           CDATA #IMPLIED
        error            CDATA #IMPLIED
        logError         CDATA #IMPLIED
        append           ( true | false ) "false"
        outputproperty   CDATA #IMPLIED
        errorproperty    CDATA #IMPLIED
        input            CDATA #IMPLIED
        inputstring      CDATA #IMPLIED
        newenvironment    ( true | false ) "false"
        timeout          CDATA #IMPLIED>

<!ELEMENT arg EMPTY>
<!--ATTLIST arg
        value          CDATA #IMPLIED
        pathref        CDATA #IMPLIED-->

<!ELEMENT javac (patternset|include|exclude|classpath)*>
<!--ATTLIST javac
        description    CDATA #IMPLIED
        srcdir         CDATA #REQUIRED
        destdir        CDATA #IMPLIED
        includes        CDATA #IMPLIED
        includesfile    CDATA #IMPLIED
        excludes        CDATA #IMPLIED
        excludesfile    CDATA #IMPLIED
        classpath       CDATA #IMPLIED
        sourcepath      CDATA #IMPLIED
        bootclasspath   CDATA #IMPLIED
        classpathref    CDATA #IMPLIED
        bootclasspathref CDATA #IMPLIED
        extdirs         CDATA #IMPLIED
        encoding        CDATA #IMPLIED
        nowarn          ( yes | no ) "no"
        debug           CDATA #IMPLIED
        debuglevel      CDATA #IMPLIED
        optimize        CDATA #IMPLIED
        deprecation     CDATA #IMPLIED
        target          CDATA #IMPLIED
        verbose         ( yes | no ) "no"
        depend          ( yes | no ) "no"
        includeAntRuntime ( yes | no ) "yes"
        includeJavaRuntime ( yes | no ) "no"
        fork            ( yes | no ) "no"
        executable      ( yes | no ) #IMPLIED
        memoryInitialSize CDATA #IMPLIED
        memoryMaximumSize CDATA #IMPLIED
        failonerror     ( true | false ) "true"
        source          CDATA #IMPLIED
        compiler        CDATA #IMPLIED
        listfiles       ( yes | no ) "no"
        tempdir         CDATA #IMPLIED-->

<!ELEMENT javadoc EMPTY>
<!--ATTLIST javadoc
        sourcepath     CDATA #REQUIRED
        destdir        CDATA #REQUIRED
        sourcefiles     CDATA #IMPLIED
        packageNames    CDATA #IMPLIED
        classpath       CDATA #IMPLIED
        bootclasspath   CDATA #IMPLIED
        extdirs         CDATA #IMPLIED
        overview        CDATA #IMPLIED
        public          CDATA #IMPLIED
        protected       CDATA #IMPLIED
        package         CDATA #IMPLIED
        private         CDATA #IMPLIED-->

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old CDATA #IMPLIED
verbose CDATA #IMPLIED
locale CDATA #IMPLIED
encoding CDATA #IMPLIED
version CDATA #IMPLIED
use CDATA #IMPLIED
author CDATA #IMPLIED
splitindex CDATA #IMPLIED
windowtitle CDATA #IMPLIED
doctitle CDATA #IMPLIED
header CDATA #IMPLIED
footer CDATA #IMPLIED
bottom CDATA #IMPLIED
link CDATA #IMPLIED
linkoffline CDATA #IMPLIED
group CDATA #IMPLIED
nodedeprecated CDATA #IMPLIED
nodedeprecatedlist CDATA #IMPLIED
notree CDATA #IMPLIED
noindex CDATA #IMPLIED
nohelp CDATA #IMPLIED
nonavbar CDATA #IMPLIED
serialwarn CDATA #IMPLIED
helpfile CDATA #IMPLIED
stylesheetfile CDATA #IMPLIED
charset CDATA #IMPLIED
docencoding CDATA #IMPLIED>

<!ELEMENT keysubst EMPTY>
<!ATTLIST keysubst
    src CDATA #REQUIRED
    dest CDATA #REQUIRED
    sep CDATA #IMPLIED
    keys CDATA #REQUIRED>

<!ELEMENT mkdir EMPTY>
<!ATTLIST mkdir
    dir CDATA #REQUIRED>

<!ELEMENT native2ascii (arg)*>
<!ATTLIST native2ascii
    dest CDATA #REQUIRED
    reverse CDATA #IMPLIED
    encoding CDATA #IMPLIED
    src CDATA #IMPLIED
    ext CDATA #IMPLIED
    defaultexcludes CDATA #IMPLIED
    includes CDATA #IMPLIED
    excludes CDATA #IMPLIED
    excludesfile CDATA #IMPLIED
    implementation CDATA #IMPLIED>

<!ELEMENT rename EMPTY>
<!ATTLIST rename
    src CDATA #REQUIRED
    dest CDATA #REQUIRED
    replace CDATA #IMPLIED>

<!ELEMENT replace EMPTY>
<!ATTLIST replace
    file CDATA #REQUIRED
    token CDATA #REQUIRED
    value CDATA #IMPLIED>

<!ELEMENT rmic EMPTY>
<!ATTLIST rmic
    base CDATA #REQUIRED
    classname CDATA #REQUIRED
    filtering CDATA #IMPLIED>

<!ELEMENT tar EMPTY>

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<!--ATTLIST tar
      tarfile          CDATA #REQUIRED
      basedir          CDATA #REQUIRED
      includes          CDATA #IMPLIED
      excludes          CDATA #IMPLIED
      defaultexcludes  CDATA #IMPLIED>

<!--ELEMENT taskdef EMPTY>
<!--ATTLIST taskdef
      name          CDATA #REQUIRED
      classname     CDATA #REQUIRED>

<!--ELEMENT tstamp (format?)>
<!--ATTLIST tstamp
      prefix        CDATA #IMPLIED>

<!--ELEMENT format EMPTY>
<!--ATTLIST format
      property      CDATA #REQUIRED
      pattern       CDATA #REQUIRED
      timezone      CDATA #IMPLIED
      offset        CDATA #IMPLIED
      unit          CDATA #IMPLIED
      locale        CDATA #IMPLIED>

<!--ELEMENT xslt (classpath|xmlcatalog|param|outputproperty|factory)*>
<!--ATTLIST xslt
      style          CDATA #REQUIRED
      basedir        CDATA #IMPLIED
      destdir        CDATA #IMPLIED
      extension      CDATA #IMPLIED
      classpath      CDATA #IMPLIED
      classpathref   CDATA #IMPLIED
      force          CDATA #IMPLIED
      processor      CDATA #IMPLIED
      includes       CDATA #IMPLIED
      includesfile   CDATA #IMPLIED
      excludes       CDATA #IMPLIED
      excludesfile   CDATA #IMPLIED
      defaultexcludes CDATA #IMPLIED
      in             CDATA #IMPLIED
      out            CDATA #IMPLIED
      scanincludeddirectories CDATA #IMPLIED
      reloadstylesheet CDATA #IMPLIED>

<!--ELEMENT xmlcatalog (dtd|entity|classpath|catalogpath)*>
<!--ATTLIST xmlcatalog
      id ID #IMPLIED>

<!--ELEMENT dtd EMPTY>
<!--ATTLIST dtd
      publicId      CDATA #REQUIRED
      location      CDATA #REQUIRED>

<!--ELEMENT entity EMPTY>
<!--ATTLIST entity
      publicId      CDATA #REQUIRED
      location      CDATA #REQUIRED>

<!--ELEMENT catalogpath (pathelement | fileset | dirset | filelist)*>
<!--ATTLIST catalogpath
      path          CDATA #IMPLIED
      refid         CDATA #IMPLIED>

<!--ELEMENT war (include|exclude|fileset|patternset)*>
<!--ATTLIST war
      destfile      CDATA #IMPLIED
      warfile       CDATA #IMPLIED
      webxml        CDATA #IMPLIED
      basedir       CDATA #IMPLIED
      compress      CDATA #IMPLIED

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keepcompression CDATA #IMPLIED
encoding         CDATA #IMPLIED
filesonly        CDATA #IMPLIED
includes         CDATA #IMPLIED
includesfile     CDATA #IMPLIED
excludes         CDATA #IMPLIED
excludesfile     CDATA #IMPLIED
defaultexcludes CDATA #IMPLIED
manifest         CDATA #IMPLIED
update          CDATA #IMPLIED
duplicate        CDATA #IMPLIED
roundup          CDATA #IMPLIED
>

<!--ELEMENT zip EMPTY-->
<!--ATTLIST zip
  zipfile         CDATA #REQUIRED
  basedir         CDATA #REQUIRED
  items           CDATA #IMPLIED
  ignore          CDATA #IMPLIED
  includes        CDATA #IMPLIED
  excludes        CDATA #IMPLIED
  defaultexcludes CDATA #IMPLIED-->
```