

A P P E N D I X E

Ant task reference

Ant's distribution ships with extensive documentation in HTML format, including details for every task. Why then, do we include a task reference in this book? We felt readers would benefit from a quick reference they could consult while reading the book, or flip through while away from their computers, or as a quick reference to the valid attributes and elements of a task.

We didn't want to rewrite the documentation, as it would have taken a lot of effort for little real benefit. At the same time, we didn't want to include the current documentation as it is too detailed for a quick reference, yet not guaranteed to be accurate. Because Ant's current task documentation is decoupled from the source of the tasks, it is out of sync with the tasks in some places.

To address these needs, we created an automated process to analyze Ant's source code and extract task details directly. This process used XDoclet's custom capabilities, allowing generation of an XML file for each task. These XML files contain information such as task description and all supported attribute and element names, types, and descriptions. We expect the future releases of Ant to adopt this process, improving the online documentation accordingly.



The XDoclet work included a custom subtask, tag handler, and template. The process was simple from that point forward. The XML files were merged using <concat> and transformed into HTML using <xslt>. The code for this autogeneration exists within Ant's source code repository.







Here then is a quick guide to all the tasks, automatically generated from the source itself. It lists all tasks in Ant 1.5 and their nested elements and attributes. We have omitted any examples, or any details, on the nested elements. For these we refer you to the online documentation, and, of course, the many chapters in our book.

E.1 REFERENCE CONVENTIONS

Tasks are listed in the following format:

<task-name> Brief description of task.

attribute Attribute description. [Attribute type] <subelement> Subelement description. [Element type]

Attributes are listed first, alphabetically, followed by subelements, which are also listed alphabetically. Subelements have angle brackets (< >) around them.

All attributes have a type provided. Element types are only provided for common datatypes. Consult Ant's documentation for specific information on elements when a type is not noted. Boolean attributes are considered true when their values equal on, yes, or true. Any other value is considered false. Path attributes accept platform-independent paths, using either colon (:) or semi-colon (;) as separators and either forward (/) or back slashes (\) as directory separators.

Several tasks are based on a parent *MatchingTask*. MatchingTasks support a number of additional attributes and subelements, and are denoted by an asterisk (*).

E.2 COMMON TASK ATTRIBUTES

All tasks support three common attributes.

id A unique task instance identifier, which can, for example, be used to

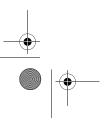
refer to the task from <script>. [String]

taskname An alias for the task; useful for logging purposes, as this name is

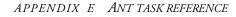
provided instead. [String]

A field useful for commenting purposes, although it is not used or description

displayed by Ant. [String]















E.2.1 * MatchingTask

Tasks denoted with the asterisk (*) also support the follow attributes and subelements. These tasks operate on an implicit fileset, and typically have an attribute representing the base directory of the fileset.

casesensitive	Case sensitivity of the file system. [Boolean]
defaultexcludes	If false, turns off the default exclusions. [Boolean]
excludes	Comma- or space-separated list of patterns of files that must be excluded. [String]
excludesfile	The name of a file; each line of this file is taken to be an exclude pattern. [File]

followsymlinks	Indicates whether symbolic links should be followed. [Boolean]
ingludes	Comma- or snace-senarated list of natterns of files to include

-	•	-
includes	Comma- or space-separated list of patterns of files to include. IString!	

includesfile	The name of a file; each line of this file is taken to be an include

Selects files that are selected by all of the selectors it contains. <and>

<contains> Limits the files selected to only those that contain a specific

string. [Selector]

<custom> Adds a custom selector. [Selector]

Selects files based on last modification timestamp. [Selector] <date> Selects files whose last modified date is later than another file. <depend>

Selects files based on how many directory levels deep they are <depth>

in relation to the base directory. [Selector]

Adds a single pattern to the excludes list. <exclude>

Adds patterns contained in a file to the excludes list. <excludesfile> Functions similarly to the <include> and <exclude> <filename>

elements. [Selector]

<include> Adds a single pattern to the includes list.

Adds patterns contained in a file to the includes list. <includesfile>

Selects files provided that a majority of the contained selectors <majority>

also select it. [Selector]

<none> Selects files that are not selected by any of the selectors it

contains. [Selector]

Reverses the meaning of the single selector it contains. [Selector] <not> Selects files that are selected by any one of the elements it <or>

contains. [Selector]

Adds a patternset. [Patternset] <patternset>

Selects files that have an equivalent file in another directory tree.

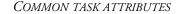
[Selector]

Adds selector through a reference. [Selector] <selector> <size> Limits files selected by size. [Selector]

















<ant> Builds a subproject.

antfile The build file to use. [String]

The directory to use as a base directory for the new Ant dir

project. [File]

inheritall If true, pass all properties to the new Ant project; default

true. [Boolean]

If true, pass all references to the new Ant project; default inheritrefs

false. [Boolean]

output File name to write the output to. [String]

The target of the new Ant project to execute. [String] target Property to pass to the new project. [See cproperty>] cproperty> <reference> Reference element identifying a data type to carry over

to the new project.

<antcall> Calls another target in the same project.

inheritall If true, pass all properties to the new Ant project; default

true. [Boolean]

inheritrefs If true, pass all references to the new Ant project; default

false. [Boolean]

Target to execute, required. [String] target

Property to pass to the invoked target. [See property>] <param> Reference element identifying a data type to carry over to <reference>

the invoked target.

<antlr> Invokes the ANTLR Translator generator on a grammar file.

Enables ParseView debugging. [Boolean] debug Flag to emit diagnostic text. [Boolean] diagnostic The working directory of the process. [File] dir Sets an optional super grammar file. [String] alib

If true, emits HTML. [Boolean]

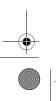
outputdirectory The directory to write the generated files to. [File]

The grammar file to process. [File] target If true, enables all tracing. [Boolean] trace tracelexer If true, enables lexer tracing. [Boolean] traceparser If true, enables parser tracing. [Boolean]

Flag to allow the user to enable tree-walker tracing. [Boolean] tracetreewalker Adds a classpath to be set because a directory might be given <classpath>

for ANTLR debug. [Path]

Adds a new JVM argument. <jvmarg>









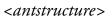












<antstructure> Creates a partial DTD for Ant from the currently known tasks.

The output file. [File] output

Executes a given command, supplying a set of files as arguments.

append Sets whether output should be appended or an existing

file overwritten. [Boolean]

The directory where target files are to be placed. [File] dest

dir The working directory of the process. [File]

The command to execute. [String] executable

failifexecutionfails Stop the build if program cannot be started. [Boolean] failonerror

Fail if the command exits with a non-zero return code.

[Boolean]

newenvironment. Do not propagate old environment when new environment

variables are specified. [Boolean]

List of operating systems on which the command may be os

executed. [String]

File the output of the process is redirected to. [File] output

outputproperty Property name whose value should be set to the output of

the process. [String]

If true, run the command only once, appending all files as parallel

arguments. [Boolean]

Sets whether the file names should be passed on the relative

command line as absolute or relative pathnames. [Boolean]

resultproperty The name of a property in which the return code of the

command should be stored. [String]

If no source files have been found or are newer than their skipemptyfilesets

corresponding target files, do not run the command.

[Boolean]

Type of file to operate on. [file, dir, both] type

vmlauncher If true, launch new process with VM, otherwise use the

OS's shell. [Boolean]

Adds a command-line argument. <arg>

Adds an environment variable to the launched process. <env>

Source files to operate upon. [Fileset] <fileset>

Adds mapping of source files to target files. [Mapper] <mapper> <srcfile> Marker that indicates where the name of the source file

should be put on the command line.

Marker that indicates where the name of the target file <targetfile>

should be put on the command line.

<available>

Sets the given property if the requested resource is available at run time.

Classname of a class which must be available to set the classname

given property. [String]

Classpath to be used when searching for classes and classpath

resources. [Path]

Classpath by reference. [Reference] classpathref

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file File which must be present in the file system to set the

given property. [File]

Path to use when looking for a file. [Path] filepath

Sets whether the search for classes should ignore the runignoresystemclasses

time classes and just use the given classpath. [Boolean]

Name of the property that will be set if the particular property

resource is available. [String]

Name of a Java resource which is required to set the resource

property. [String]

Sets what type of file is required. [file, dir] type Value given to the property if the desired resource is value

available. [String]

Classpath to be used when searching for classes and <classpath>

resources. [Path]

<filepath> Path to search for file resources. [Path]

<base> Sets a property to the base name of a specified file, optionally minus a suffix.

> File or directory to get base name from. [File] file Property to set base name to. [String]

Optional suffix to remove from base name. [String] suffix

denerates a Borland Application Server 4.5 client JAR using as input the EJB JAR file.

> classpath Path to use for classpath. [Path]

classpathref Reference to existing path, to use as a classpath.

[Reference]

Client JAR file name. [File] clientjar

debug If true, turn on the debug mode for each of the Borland

tools launched. [Boolean]

ejbjar EJB JAR file. [File]

Command launching mode: java or fork. [String] mode

No description. [Integer] version

<classpath> Adds path to the classpath. [Path]

Reads, increments, and writes a build number in a file.

property

The file in which the build number is stored. [File] file

*Expands a file that has been compressed with the BZIP2 algorithm.

The destination file or directory; optional. [File] dest

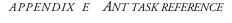
The file to expand; required. [File] src







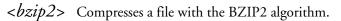












The file to compress; required. [File] src zipfile The required destination file. [File]

<cab> * Creates a CAB archive.

basedir Base directory to look in for files to CAB. [File] The name/location of where to create the .cab file. [File] cabfile compress If true, compress the files; otherwise only store them. [Boolean] options Sets additional cabarc options that are not supported directly. [String]

If true, display cabarc output. [Boolean]

verbose Adds a set of files to archive. [Fileset] <fileset>

<cccheckin> Checks in files with ClearCase.

cleartooldir Directory where the cleartool executable is located. [String]

comment Comment string. [String]

Specifies a file containing a comment. [String] commentfile

If true, allows the file to be checked in even if it is identical to identical

the original. [Boolean]

If true, keeps a copy of the file with a .keep extension. [Boolean] keepcopy

nowarn If true, suppresses warning messages. [Boolean] If true, preserves the modification time. [Boolean] preservetime

Path to the item in a ClearCase view to operate on. [String] viewpath

<cccheckout> Checks out files in ClearCase.

Specifies a branch to check out the file to. [String] branch

cleartooldir Directory where the cleartool executable is located. [String]

comment Comment string. [String]

Specifies a file containing a comment. [String] commentfile

If true, checks out the file but does not create an editable nodata

file containing its data. [Boolean]

If true, suppresses warning messages. [Boolean] nowarn

Creates a writable file under a different file name. [String] out

reserved If true, checks out the file as reserved. [Boolean]

If true, allows checkout of a version other than the latest. version

Path to the item in a ClearCase view to operate on. [String] viewpath



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<ccmcheckin> Performs a Continuus checkin command.

ccmdir Directory where the ccm executable is located. [String]

comment Specifies a comment. [String]

file Path to the file that the command will operate on. [File] task Specifies the task number used to check in the file

(may use default). [String]

<ccmcheckintask> Performs a Continuus checkin default task command.

ccmdir Directory where the ccm executable is located. [String]

comment Specifies a comment. [String]

File Path to the file that the command will operate on. [File]
task Specifies the task number used to check in the file

(may use default). [String]

<ccmcheckout> Performs a Continuus checkout command.

ccmdir Directory where the ccm executable is located. [String]

comment Specifies a comment. [String]

File Path to the file that the command will operate on. [File]
task Specifies the task number used to check out the file

(may use default). [String]

<ccmcreatetask> Creates new Continuus <ccm> task and sets it as the default.

ccmdir Directory where the ccm executable is located. [String]

comment Specifies a comment. [String]
platform Specifies the target platform. [String]
release Specifies the ccm release. [String]
resolver Specifies the resolver. [String]
subsystem Specifies the subsystem. [String]

task Specifies the task number used (may use default). [String]

<ccmreconfigure> Reconfigures a Continuus project, optionally recursively.

ccmdir Directory where the ccm executable is located. [String]
ccmproject ccm project on which the operation is applied. [String]
recurse If true, recurse on subproject (default false). [Boolean]
verbose If true, do a verbose reconfigure operation (default false).

[Boolean]

<ccuncheckout> Performs a ClearCase Uncheckout command.

cleartooldir Directory where the cleartool executable is located. [String] keepcopy If true, keep a copy of the file with a .keep extension. [Boolean] viewpath Path to the item in a ClearCase view to operate on. [String]



















<ccupdate> Performs a ClearCase Update command.

cleartooldir Directory where the cleartool executable is located. [String] If true, modification time should be written as the current time. currenttime

[Boolean]

If true, displays a graphical dialog during the update. [Boolean] graphical

Log file where cleartool records the status of the log

command. [String]

overwrite If true, overwrites hijacked files. [Boolean]

preservetime If true, modification time should be preserved from the VOB

time. [Boolean]

If true, hijacked files are renamed with a .keep extension. rename

[Boolean]

Path to the item in a ClearCase view to operate on. [String] viewpath

<checksum>* Creates or verifies file checksums.

algorithm Specifies the algorithm to be used to compute the

checksum. [String]

file File for which the checksum is to be calculated. [File] File extension that is be to used to create or identify fileext

destination file. [String]

Indicates whether to overwrite existing file, irrespective of forceoverwrite

whether it is newer than the source file. [Boolean]

property Property to hold the generated checksum. [String]

MessageDigest algorithm provider to be used to calculate provider

the checksum. [String]

The size of the read buffer to use. [Integer] readbuffersize

verifyproperty Verify property. [String]

<fileset> Files to generate checksums for. [Fileset]

Chmod equivalent for Unix-like environments. Some of the attributes are an artifact of the task's implementation as a subclass of <exec>.

append Indicates whether output should be appended to or

overwrite an existing file. [Boolean]

defaultexcludes Sets whether default exclusions should be used. [Boolean] dest The directory where target files are to be placed. [File] dir The directory that holds the files whose permissions must

be changed. [File]

excludes Set of exclude patterns. [String] The command to execute. [String] executable

failifexecutionfails Stops the build if program cannot be started. [Boolean] failonerror Fail if the command exits with a nonzero return code.

[Boolean]

file The file or single directory for which the permissions must

be changed. [File]

Set of include patterns. [String] includes

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newenvironment Do not propagate old environment when new

environment variables are specified. [Boolean]

os List of operating systems on which the command

may be executed. [String]

output File the output of the process is redirected to. [File]

outputproperty Property name whose value should be set to the output

of the process. [String]

parallel If true, runs the command only once, appending all files

as arguments. [Boolean]

perm The new permissions. [String]

relative Indicates whether the file names should be passed on the

command line as absolute or relative pathnames.

[Boolean]

resultproperty The name of a property in which the return code of the

command should be stored. [String]

skipemptyfilesets If no source files have been found or are newer than

their corresponding target files, do not run the command.

[Boolean]

type Type of file to operate on [file, dir, both].

vmlauncher If true, launches new process with VM, otherwise uses

the OS's shell. [Boolean]

<arg> Adds a command-line argument.

<env> Adds an environment variable to the launched process.

<exclude> Adds a name entry on the exclude list.
<fileset> Source files to operate upon. [Fileset]
<include> Adds a name entry on the include list.

<mapper> Adds mapping of source files to target files. [Mapper]

<patternset> Adds a set of patterns. [Patternset]

<srcfile> Indicates where the name of the source file should be put

on the command line.

<targetfile> Indicates where the name of the target file should be put

on the command line.

<concat> Concatenates a series of files into a single file. This task supports nested text, which is appended to the end if specified.

append Behavior when the destination file exists. [Boolean]
destfile Destination file, or uses the console if not specified. [File]
encoding Encoding for the input files, used when displaying the data

via the console. [String]

<filelist> List of files to concatenate. [Filelist]
<fileset> Set of files to concatenate. [Fileset]

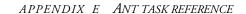
<condition> Task to conditionally set a property.

property The name of the property to set. [String]

value The value for the property to set, if condition evaluates to true.

[String]





















<and> True if all nested conditions evaluate to true.

Identical to the <available> task. <available> <checksum> Identical to the <checksum> task.

<contains> Tests whether one string contains another. <equals> Tests whether two strings are equal. Tests that two files match, byte for byte. <filesmatch>

<http> Checks for a valid response from a web server of a

specified URL.

<isfalse> Tests whether a string value is not <istrue>. <isset> Tests whether a property has been set.

<istrue> Tests whether a string evaluates to true, on, or yes.

<not> Negates results of single nested condition. <0r> True if one nested condition is true.

Tests whether the current operating system is of a given type. <0s> Checks for the existence of a TCP/IP listener at the specified <socket>

host and port.

<uptodate> Identical to the <uptodate> task.

<copy> Copies a file or directory to a new file or directory.

encoding Character encoding. [String]

If false, notes errors to the output but keeps going. failonerror

[Boolean]

Single source file to copy. [File] file If true, enables filtering. [Boolean] filtering

When copying directory trees, the files can be flattened flatten

into a single directory. [Boolean]

includeemptydirs Used to copy empty directories. [Boolean]

overwrite Overwrites any existing destination file(s). [Boolean] preservelastmodified Gives the copied files the same last modified time as the

original files. [Boolean]

todir Destination directory. [File] tofile Destination file. [File]

verbose Used to force listing of all names of copied files. [Boolean]

<fileset> Adds a set of files to copy. [Fileset] Adds a FilterChain. [FilterChain] <filterchain> Adds a filterset. [Filterset] <filterset>

<mapper> Defines the mapper to map source to destination files.

[Mapper]

Compiles C# source into executables or modules.

additionalmodules Semicolon-separated list of modules to refer to. [String]

Debug flag on or off. [Boolean] debug

definitions Semicolon-separated list of defined constants. [String] destdir Destination directory of files to be compiled. [File]



















File for generated XML documentation. [File] docfile

Any extra options that are not explicitly supported by this task. extraoptions

[String]

If true, fails on compilation errors. [Boolean] failonerror

filealign File alignment. [Integer]

fullpaths If true, prints the full path of files on errors. [Boolean] If true, automatically includes the common .NET assemblies, includedefaultand tells the compiler to link in mscore.dll. [Boolean] references

incremental Incremental compilation flag on or off. [Boolean] Name of main class for executables. [String] mainclass

noconfig Do not read in the compiler settings files csc.rsp. [Boolean]

If true, enables optimization flag. [Boolean] optimize

Output file. [File] outputfile

Path of references to include. [Path] referencefiles

Semicolon-separated list of DLLs to refer to. [String] references srcdir Source directory of the files to be compiled. [File]

targettype Type of target. [String]

unsafe If true, enables the unsafe keyword. [Boolean]

If true, requires all compiler output to be in UTF8 format. utf8output

[Boolean]

Level of warning currently between 1 and 4 with 4 being warnlevel

the strictest. [Integer]

win32icon File name of icon to include. [File]

File name of a Win32 resource (.RES) file to include. [File] win32res

<*cvs*> Performs operations on a CVS repository.

append Indicates whether to append output when redirecting to a file.

[Boolean]

command The CVS command to execute. [String]

If true, this is the same as compressionlevel="3". compression

[Boolean]

compressionlevel If set to a value 1-9 it adds -zN to the cvs command line, else

it disables compression. [Integer]

cvsroot The CVSROOT variable. [String] cvsrsh The CVS_RSH variable. [String]

Use the most recent revision, no later than the given date. date

The directory where the checked-out files should be placed. dest

[File]

The file to direct standard error from the command. [File] error failonerror Stop the build process if the command exits with a return code

other than 0. [Boolean]

If true, report only and do not change any files. [Boolean] noexec The file to direct standard output from the command. [File] output

The package/module to operate upon. [String] package





















Port used by CVS to communicate with the server. [Integer] port If true, suppress informational messages. [Boolean] quiet tag The tag of the package/module to operate upon. [String]

Adds direct command line to execute. <commandline>

<cvschangelog> Examines the output of CVS log data and groups related changes together.

daysinpast Number of days worth of log entries to process. [Integer]

destfile Output file for the log. [File] dir Base directory for CVS. [File]

end Date at which the changelog should stop. [Date] Date at which the changelog should start. [Date] start usersfile Lookup list of user names & addresses. [File]

<fileset> Adds a set of files about which cvs logs will be generated. [Fileset]

Adds a user to list changelog knows about. <user>

<cvspass> Adds a new entry to a CVS password file.

The CVS repository to add an entry for. [String] cvsroot

Password file to add the entry to. [File] passfile

Password to be added to the password file. [String] password

<cvstagdiff> Examines the output of cvs diff between two tags.

compression If true, this is the same as compressionlevel="3".

[Boolean]

compressionlevel If set to a value 1-9, it adds -zN to the cvs command line,

else it disables compression. [Integer]

The CVSROOT variable. [String] cvsroot cvsrsh The CVS_RSH variable. [String] destfile Output file for the diff. [File]

enddate End date. [String] endtag End tag. [String]

Stop the build process if the command exits with a return code failonerror

other than 0. [Boolean]

The package/module to analyze. [String] package passfile Password file to read passwords from. [File]

Port used by CVS to communicate with the server. [Integer] port

quiet If true, suppress informational messages. [Boolean]

Start date. [String] startdate Start tag. [String] starttag





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<ddcreator> * Builds a serialized deployment descriptor given a text file description of the descriptor in the format supported by WebLogic.

Classpath to be used for this compilation. [String] classpath descriptors Directory from where the text descriptions of the

deployment descriptors are to be read. [String]

Directory into which the serialized deployment dest descriptors are written. [String]

< delete> * Deletes a file or directory, or set of files defined by a fileset.

defaultexcludes Sets whether default exclusions should be used. [Boolean]

dir Directory from which files are to be deleted. [File]

excludes Set of exclude patterns. [String]

excludesfile Name of the file containing the excludes patterns. [File]

failonerror If false, notes errors but continues. [Boolean] Name of a single file to be removed. [File] file includeemptydirs If true, deletes empty directories. [Boolean]

includes Set of include patterns. [String]

includesfile Name of the file containing the include patterns. [File] If true, and the file does not exist, does not display a auiet.

diagnostic message or modify the exit status to reflect an

error. [Boolean]

verbose If true, lists all names of deleted files. [Boolean]

Adds a name entry on the exclude list. <exclude> <excludesfile> Adds a name entry on the exclude files list. <fileset> Adds a set of files to be deleted. [Fileset] <include> Adds a name entry on the include list. Adds a name entry on the include files list. <includesfile> Adds a set of patterns. [Patternset] <patternset>

<depend> * Generates a dependency file for a given set of classes.

cache Dependency cache file. [File]

classpath Classpath to be used for this dependency check. [Path] classpathref Adds a reference to a classpath defined elsewhere.

[Reference]

closure If true, transitive dependencies are followed until the closure

of the dependency set if reached. [Boolean]

Destination directory where the compiled Java files exist. destdir

If true, the dependency information will be written to the dump

debug level log. [Boolean]

srcdir Directories path to find the Java source files. [Path]

Adds a classpath to be used for this dependency check. [Path] <classpath>







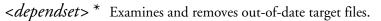












<srcfilelist> Adds a list of source files. [Filelist]
<srcfileset> Adds a set of source files. [Fileset]
<targetfilelist> Adds a list of target files. [Filelist]
<targetfileset> Adds a set of target files. [Fileset]

<dirname> Determines the directory name of the specified file.

file Path to take the dirname of. [File]
property The name of the property to set. [String]

<ear> * Creates an EAR archive.

appxml File to incorporate as application.xml. [File]

basedir Directory from which to archive files; optional. [File]

compress Indicates whether to compress the files or only store them;

optional, default=true;. [Boolean]

destfile The file to create; required. [File]

duplicate Sets behavior for when a duplicate file is about to be added.

[add, preserve, fail]

encoding Encoding to use for file names, defaults to the platform's

default encoding. [String]

filesonly If true, emulates Sun's JAR utility by not adding parent

directories; optional, defaults to false. [Boolean]

index Indicates whether to create an index list for classes. [Boolean]

manifest The manifest file to use. [File]

update If true, updates an existing file, otherwise overwrites any

existing one; optional, defaults to false. [Boolean]

whenempty Behavior of the task when no files match.

[fail, skip, create]

<archives> Adds zipfileset. [ZipFileset]
<fileset> Adds a set of files. [Fileset]

<manifest>
Allows the manifest for the archive file to be provided inline in

the build file rather than in an external file.

<metainf> Adds a zipfileset to include in the META-INF directory.

[ZipFileset]

<zipfileset> Adds a set of files that can be read from an archive and given

a prefix/fullpath. [ZipFileset]

<zipgroupfileset> Adds a group of Zip files. [Fileset]

<echo> Writes a message to the Ant logging facilities. A message may be supplied as nested text to this task.

append If true, append to existing file. [Boolean]

file File to write to. [File]

level Logging level. [error, warning, info, verbose, debug]

message Message to write. [String]

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<echoproperties> Displays all the current properties in the build.

destfile File to store the property output. [File]

failonerror If true, the task will fail if an error occurs while writing the

properties file, otherwise errors are just logged. [Boolean]

prefix If the prefix is set, then only properties that start with this

prefix string will be recorded. [String]

<ejbc> * Builds EJB support classes using WebLogic's ejbc tool from a directory containing a set of deployment descriptors.

classpath Classpath to be used for this compilation. [String]

descriptors Directory from where the serialized deployment descriptors

are to be read. [String]

dest Directory into which the support classes, RMI stubs, etc.

are to be written. [String]

keepgenerated If true, ejbc will keep the intermediate Java files used to

build the class files. [String]

manifest Name of the generated manifest file. [String]

pirectory containing the source code for the home interface, remote interface, and public key class definitions. [String]

<ejbjar> * Provides automated EJB JAR file creation.

basejarname Base name of the EJB JAR that is to be created if it is not to

be determined from the name of the deployment descriptor

files. [String]

basenameterminator The string that terminates the base name. [String]

classpath Classpath to use when resolving classes for inclusion in the

JAR. [Path]

dependency Analyzer to use when adding in dependencies to the JAR.

[String]

descriptordir Descriptor directory. [File]
destdir Destination directory. [File]

flatdestdir Controls whether the destination JARs are written out in the

destination directory with the same hierarchical structure from which the deployment descriptors have been read. [Boolean]

genericjarsuffix Suffix for the generated JAR file. [String]

manifest Manifest file to use in the JAR. [File]

naming Naming scheme used to determine the name of the

generated JARs from the deployment descriptor. [e-jb-name,

directory, descriptor, basejarname]

srcdir Source directory, which is the directory that contains the

classes that will be added to the EJB JAR. [File]

<borland> Adds a deployment tool for Borland server.

<classpath> Adds to the classpath used to locate the super classes and

interfaces of the classes that will make up the EJB JAR. [Path]

<dtd> Creates a DTD location record.

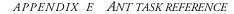
<iplanet> Adds a deployment tool for iPlanet Application Server.

















<jboss> Adds a deployment tool for JBoss server. Adds a deployment tool for JOnAS server. <jonas> Adds a fileset for support elements. [Fileset] <support> <weblogic> Adds a deployment tool for WebLogic server.

<weblogictoplink> Adds a deployment tool for WebLogic when using the

Toplink Object-Relational mapping.

<websphere> Adds a deployment tool for Websphere 4.0 server.

Executes a given command if the OS platform is appropriate. <*exec*>

Sets whether output should be appended to or overwrite an append

existing file. [Boolean]

The working directory of the process. [File] dir

The command to execute. [String] executable

failifexecution-Stop the build if program cannot be found or started;

default true. [Boolean] fails

Fail if the command exits with a nonzero return code. failonerror

[Boolean]

Do not propagate old environment when new environment newenvironment

variables are specified. [Boolean]

List of operating systems on which the command may be os

executed. [String]

File the output of the process is redirected to. [File] output

Property name whose value should be set to the output outputproperty

of the process. [String]

The name of a property in which the return code of the resultproperty

command should be stored. [String]

If true, launch new process with VM, otherwise use the OS's vmlauncher

shell. [Boolean]

Adds a command-line argument. <arq>

Adds an environment variable to the launched process. <env>

Exits the active build, giving an additional message if available. The message may be specified as nested text, or with the message attribute.

if Only fail if a property of the given name exists in the current

project. [String]

A message giving further information on why the build exited. message

unless Only fail if a property of the given name does not exist in the

current project. [String]

<filter> Sets a token filter that is used by the file copy tasks to do token substitution.

The file from which the filters must be read. [File] filtersfile The token string without @ delimiters. [String] token

The string that should replace the token during filtered copies. value

[String]

Ant's tasks



















<fixcrlf> * Converts text source files to local OS formatting conventions, as well as
repair text files damaged by misconfigured or misguided editors or file
transfer programs.

destdir Destination where the fixed files should be placed. [File]

encoding Specifies the encoding Ant expects the files to be in.

Defaults to the platform's default encoding. [String]

C : (" | DOC FOF / | | | | | | |

eof Specifies how DOS EOF (control-z) characters are to be

handled. [add, asis, remove]

eol Specifies how EndOfLine characters are to be handled.

[asis, cr, lf, crlf]

javafiles Sets to true if modifying Java source files. [Boolean]

srcdir Source dir to find the source text files. [File]
tab Specifies how tab characters are to be handled.

[add, asis, remove]

tablength Specifies tab length in characters. [Integer]

<ftp> Uploads or downloads files using FTP.

action FTP action to be taken. [send, put, recv, get, del,

delete, list, mkdir, chmod]

binary If true, uses binary mode, otherwise text mode; default is

true. [Boolean]

chmod File permission mode (Unix only) for files sent to the server.

[String]

depends Sets to true to transmit only files that are new or changed

from their remote counterparts. [Boolean]

ignorenoncriticalerrors

If true, skip errors on directory creation. [Boolean]

newer A synonym for depends. [Boolean]
passive Specifies whether to use passive mode. [Boolean]

password Login password for the given user ID. [String]
port FTP port used by the remote server. [Integer]
remotedir Remote directory where files will be placed. [String]

separator Remote file separator character. [String] server FTP server to send files to. [String]

skipfailed- If true, enables unsuccessful file put, deletes, and gets transfers operations to be skipped with a warning and transfers the

remainder of the files. [Boolean]

umask Default mask for file creation on a Unix server. [String]
userid Login user ID to use on the specified server. [String]
verbose Set to true to receive notification about each file as it is

transferred. [Boolean]

<fileset> A set of files to upload or download. [Fileset]





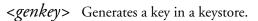












alias The alias to add under. [String]

dname The distinguished name for entity. [String]

keyalg The method to use when generating name-value pair. [String] keypass Password for private key (if different than storepass). [String]

keysize Indicates the size of key generated. [String]

keystore Keystore location. [String]

sigalg The algorithm to use in signing. [String] storepass Password for Keystore integrity. [String]

storetype Keystore type. [String]

validity Indicates how many days certificate is valid. [String]
verbose If true, enables verbose output when signing. [Boolean]

<dname> Distinguished name list.

<get> Gets a particular file from a URL source, usually a web server.

dest Where to copy the source file. [File]

password Password for basic authentication. [String]

src URL to get. [URL]

username Username for basic authentication. [String]
usetimestamp If true, conditionally download a file based on the

timestamp of the local copy. [Boolean]

verbose If true, show verbose progress information. [Boolean]

<gunzip> Expands a file that has been compressed with the GZIP algorithm.

dest The destination file or directory; optional. [File]

src The file to expand; required. [File]

<gzip> Compresses a file with the GZIP algorithm.

zipfile The file to compress; required. [File]

<icontract> * Instruments Java classes with iContract DBC preprocessor.

builddir Build directory for instrumented classes. [File] classdir Class directory (uninstrumented classes). [File]

classpath Classpath to be used for invocation of iContract. [Path]

classpathref Adds a reference to a classpath defined elsewhere. [Reference]

controlfile Control file to pass to iContract. [File]

failthrowable Throwable (Exception) to be thrown on assertion violation. [String]

instrumentdir Instrumentation directory. [File]

invariant Turns on/off invariant instrumentation. [Boolean]



















post Turns on/off postcondition instrumentation. [Boolean]
pre Turns on/off precondition instrumentation. [Boolean]

quiet Tells iContract to be quiet. [Boolean]

repbuilddir Build directory for instrumented classes. [File] repositorydir Build directory for repository classes. [File]

srcdir Source directory. [File]

targets Name of the file where targets will be written. [File] updateicontrol If true, updates iControl properties file. [Boolean]

verbosity Verbosity level of iContract. [String]

<classpath> Classpath. [Path]

<ilasm> * Assembles .NET Intermediate Language files.

debug Debug flag on or off. [Boolean]

extraoptions Any extra options that are not explicitly supported by this task.

[String]

failonerror If true, fails if ilasm tool fails. [Boolean]

keyfile The name of a file containing a private key. [File]
listing If true, produces a listing; default is false. [Boolean]

outputfile Output file. [File]

resourcefile Name of resource file to include. [File]

srcdir Source directory containing the files to be compiled. [File]

targettype Type of target, either exe or library. [String] verbose If true, enables verbose ilasm output. [Boolean]

input> Reads an input line from the console. The message can also be specified using nested text.

addproperty Defines the name of a property to be created from input. [String]
message Message that gets displayed to the user during the build run. [String]
validargs Defines valid input parameters as comma-separated strings. [String]

<iplanet-ejbc> Compiles EJB stubs and skeletons for the iPlanet Application Server.

classpath Classpath to be used when compiling the EJB stubs and

skeletons. [Path]

debug If true, debugging output will be generated when ejbc is

executed. [Boolean]

dest Destination directory where the EJB source classes must exist

and where the stubs and skeletons will be written. [File]

ejbdescriptor Location of the standard XML EJB descriptor. [File]
iasdescriptor Location of the iAS-specific XML EJB descriptor. [File]
iashome May be used to specify the "home" directory for this iAS

installation. [File]

keepgenerated If true, the Java source files generated by ejbc will be saved.

[Boolean]

<classpath> Adds to the classpath used when compiling the EJB stubs and

skeletons. [Path]











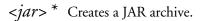












basedir	Directory from which to archive files; optional. [File]
compress	Sats whather to compress the files or only store them:

optional, default is true. [Boolean]

The file to create; required. [File] destfile

Sets behavior for when a duplicate file is about to be added. duplicate

[add, preserve, fail]

Encoding to use for file names, defaults to the platform's encoding

default encoding. [String]

filesonly If true, emulates Sun's JAR utility by not adding parent

directories; optional, defaults to false. [Boolean]

index Sets whether to create an index list for classes. [Boolean]

The manifest file to use. [File] manifest

update If true, updates an existing file, otherwise overwrites any

existing one; optional, defaults to false. [Boolean]

Sets behavior of the task when no files match. whenempty

[fail, skip, create]

<fileset> Adds a set of files. [Fileset]

<manifest> Allows the manifest for the archive file to be provided inline

in the build file rather than in an external file.

Adds a zipfileset to include in the META-INF directory. <metainf>

[ZipFileset]

<jarlib-available> Checks whether an extension is present in a fileset or an extension set.

<zipfileset> Adds a set of files that can be read from an archive and

be given a prefix/full path. [ZipFileset] Adds a group of Zip files. [Fileset]

<zipgroup-

fileset>

file The JAR library to check. [File]

> property The name of property to set if extensions are available. [String]

Extension to look for. <extension>

Adds a set of extensions to search in. <extensionset>

<jarlib-display> Displays the Optional Package and Package Specification information contained within the specified JARs.

file The JAR library to display information for. [File] <fileset>

Adds a set of files about which library data will be

displayed. [Fileset]

















<jarlib-manifest> Generates a manifest that declares all the dependencies.

destfile The location where generated manifest is placed. [File] <attribute> Adds an attribute that is to be put in main section of manifest.

<depends> Adds a set of extensions that this library requires.
<extension> Adds an extension that this library implements.

<options> Adds a set of extensions that this library optionally requires.

<jarlib-resolve> Tries to locate a JAR to satisfy an extension and place the location of the JAR into a property.

checkextension If true, libraries returned by nested resolvers should be checked

to see if they supply an extension. [Boolean]

failonerror If true, failure to locate library should fail build. [Boolean]

property The name of the property in which the location of library is stored.

[String]

<ant> Adds Ant resolver to run an Ant build file to generate a library.

<extension> Specifies extension to look for.

<location> Adds location resolver to look for a library in a location relative to

project directory.

<ur><url>Adds a URL resolver to download a library from a URL to a local

file.

<java> Launcher for Java applications.

append If true, append output to existing file. [Boolean]

classname Java class to execute. [String]

classpath Classpath to be used when running the Java class. [Path]

classpathref Classpath to use, by reference. [Reference] dir The working directory of the process. [File]

failonerror If true, then fail if the command exits with a return code other

than 0. [Boolean]

fork If true, execute in a new VM. [Boolean]
jar The location of the JAR file to execute. [File]

jvm Command used to start the VM (only if not forking). [String]

jvmargs Command-line arguments for the JVM. [String]

jvmversion JVM version. [String]

maxmemory Corresponds to -mx or -Xmx, depending on VM version. [String]

newervironment If true, use a completely new environment. [Boolean] output File the output of the process is redirected to. [File]

timeout Timeout in milliseconds after which the process will be killed.

[Long]

<arg> Adds a command-line argument.
<classpath> Adds a path to the classpath. [Path]
<env> Adds an environment variable.

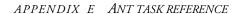
<jvmarg> Adds a JVM argument.
<sysproperty> Adds a system property.



















<javac> * Compiles Java source files.

bootclasspath Bootclasspath that will be used to compile the classes

against. [Path]

Adds a reference to a classpath defined elsewhere. bootclasspathref

[Reference]

Classpath to be used for this compilation. [Path] classpath classpathref Adds a reference to a classpath defined elsewhere.

[Reference]

compiler Chooses the implementation for this particular task.

[String]

Indicates whether source should be compiled with debug debug

information; defaults to off. [Boolean]

debuglevel Keyword list to be appended to the -g command-line

switch. [String]

depend Enables dependencytracking for compilers that support

this (jikes and classic). [Boolean]

deprecation Indicates whether source should be compiled with

deprecation information; defaults to off. [Boolean]

destdir Destination directory into which the Java source files

should be compiled. [File]

encoding Java source file encoding name. [String] executable The name of the javac executable. [String] extdirs Extension directories that will be used during the

compilation. [Path]

Indicates whether the build will continue even if there failonerror

are compilation errors; defaults to true. [Boolean]

fork If true, forks the javac compiler. [Boolean]

If true, includes Ant's own classpath in the classpath. includeantruntime

If true, includes the Java run-time libraries in the classpath. includejavaruntime

[Boolean]

listfiles If true, lists the source files being handed off to the

compiler. [Boolean]

memoryinitialsize The initial size of the memory for the underlying VM if

javac is run externally; ignored otherwise. [String]

The maximum size of the memory for the underlying VM memorymaximumsize

if javac is run externally; ignored otherwise. [String] If true, enables the -nowarn option. [Boolean]

nowarn If true, compiles with optimization enabled. [Boolean] optimize source Value of the -source command-line switch; will be

ignored by all implementations except modern and jikes.

Source path to be used for this compilation. [Path] sourcepath Adds a reference to a source path defined elsewhere. sourcepathref

[Reference]

srcdir Source directories to find the source Java files. [Path] target Target VM that the classes will be compiled for. [String] If true, asks the compiler for verbose output. [Boolean] verbose

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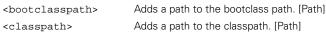












<compilerarg> Adds an implementation-specific command-line argument.

<extdirs> Adds a path to extdirs. [Path]
<sourcepath> Adds a path to source path. [Path]
<src> Adds a path for source compilation. [Path]

<javacc> Invokes the JavaCC compiler on a grammar file.

buildparser BUILD_PARSER grammar option. [Boolean]

buildtokenmanager BUILD_TOKEN_MANAGER grammar option. [Boolean]

cachetokens CACHE_TOKENS grammar option. [Boolean]

choiceambiguitycheck CHOICE_AMBIGUITY_CHECK grammar option. [Integer] commontokenaction COMMON_TOKEN_ACTION grammar option. [Boolean] debuglookahead DEBUG_LOOKAHEAD grammar option. [Boolean] DEBUG_PARSER grammar option. [Boolean]

 debugtokenmanager
 DEBUG_TOKEN_MANAGER grammar option. [Boolean]

 errorreporting
 ERROR_REPORTING grammar option. [Boolean]

 forcelacheck
 FORCE_LA_CHECK grammar option. [Boolean]

 ignorecase
 IGNORE_CASE grammar option. [Boolean]

javacchome The directory containing the JavaCC distribution. [File] javaunicodeescape JAVA_UNICODE_ESCAPE grammar option. [Boolean]

lookahead LOOKAHEAD grammar option. [Integer]

optimizetokenmanager OPTIMIZE_TOKEN_MANAGER grammar option. [Boolean] otherambiguitycheck OTHER_AMBIGUITY_CHECK grammar option. [Integer] outputdirectory The directory to write the generated files to. [File] sanitycheck SANITY_CHECK grammar option. [Boolean]

static STATIC grammar option. [Boolean]
target The grammar file to process. [File]

 unicodeinput
 UNICODE_INPUT grammar option. [Boolean]

 usercharstream
 USER_CHAR_STREAM grammar option. [Boolean]

 usertokenmanager
 USER_TOKEN_MANAGER grammar option. [Boolean]

<javadoc> Generates Javadoc documentation for a collection of source code.

access Scope to be processed. [protected, public,

package, private]

additionalparam Sets an additional parameter on the command line. [String]

author Includes the author tag in the generated documentation.

[Boolean]

bootclasspath Boot classpath to use. [Path]

bootclasspathref Adds a reference to a classpath defined elsewhere.

[Reference]

bottom Text to be placed at the bottom of each output file. [String]



















charset Charset for cross-platform viewing of generated

documentation. [String]

classpath Classpath to be used for this javadoc run. [Path] Adds a reference to a classpath defined elsewhere. classpathref

[Reference]

defaultexcludes Sets whether default exclusions should be used. [Boolean]

destdir Specifies directory where the Javadoc output will be

generated. [File]

Specifies output file encoding name. [String] docencoding

doclet Specifies class that starts the doclet used in generating

the documentation. [String]

docletpath Specifies classpath used to find the doclet class. [Path] docletpathref Specifies classpath used to find the doclet class by

reference. [Reference]

doctitle Specifies title of the generated overview page. [String] encoding Specifies encoding name of the source files. [String] Specifies list of packages to be excluded. [String] excludepackagenames

extdirs Specifies location of the extensions directories. [Path] failonerror Specifies the build process to fail if javadoc fails (as indicated by a nonzero return code). [Boolean]

footer Places footer text at the bottom of each output file. [String] group Groups specified packages together in overview page.

[String]

header Places header text at the top of each output file. [String]

helpfile Specifies the HTML help file to use. [File]

link Creates links to javadoc output at the given URL. [String]

linkoffline Links to docs at url using package list at url2-

separates the URLs by using a space character. [String] Locale to use in documentation generation. [String]

locale Maximum memory to be used by the javadoc process. maxmemory

[String]

If true, do not include @deprecated information. nodeprecated

[Boolean]

If true, do not generate deprecated list. [Boolean] nodeprecatedlist If true, do not generate help link. [Boolean] nohelp noindex If true, do not generate index. [Boolean]

nonavbar If true, do not generate navigation bar. [Boolean] notree If true, do not generate class hierarchy. [Boolean] Indicates whether Javadoc should produce old style old

(JDK 1.1) documentation. [Boolean]

Specifies the file containing the overview to be included overview

in the generated documentation. [File]

Indicates whether only package, protected, and public package

classes and members are to be included in the scope

processed. [Boolean]

packagelist The name of a file containing the packages to process.

[String]

packagenames Package names to be processed. [String]

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Indicates whether all classes and members are to be private

included in the scope processed. [Boolean]

Indicates whether only protected and public classes and protected

members are to be included in the scope processed.

[Boolean]

public Indicates whether only public classes and members are

to be included in the scope processed. [Boolean]

If true, generates warning about @serial tag. [Boolean] serialwarn Enables the -source switch; will be ignored if javadoc is source

not the 1.4 version or a different doclet than the standard

doclet is used. [String]

sourcefiles List of source files to process. [String] Specifies where to find source file. [Path] sourcepath

Adds a reference to a classpath defined elsewhere. sourcepathref

[Reference]

Generates a split index. [Boolean] splitindex

Specifies the CSS stylesheet file to use. [File] stylesheetfile use Generates the use page for each package. [Boolean] Works around command-line length limit by using an useexternalfile

external file for the sourcefiles. [Boolean]

Runs javadoc in verbose mode. [Boolean] verbose

version Includes the version tag in the generated documentation.

[Boolean]

Title to be placed in the HTML <title> tag of the windowtitle

generated documentation. [String]

Creates a path to be configured with the boot classpath. <bootclasspath>

Text to be placed at the bottom of each output file. <bottom> Creates a path to be configured with the classpath <classpath>

to use. [Path]

<doclet> Creates a doclet to be used in the documentation

generation.

<doctitle> Adds a document title to use for the overview page. Adds a package to be excluded from the javadoc run. <excludepackage>

<fileset> Adds a fileset. [Fileset]

<footer> Footer text to be placed at the bottom of each output file. Separates packages on the overview page into whatever <group>

groups you specify, one group per table.

Header text to be placed at the top of each output file. <header> Creates link to javadoc output at the given URL. k>

Adds a single package to be processed. <package>

<packageset> Adds a packageset. [Dirset] <source> Adds a single source file.

Creates a path to be configured with the locations of <sourcepath>

the source files. [Path]

Creates and adds a -tag argument. <tag>

Adds a taglet. <taglet>





















bootclasspath Location of bootstrap class files. [Path]

bootclasspathref Adds a reference to a classpath defined elsewhere. [Reference]

The fully qualified name of the class (or classes, separated by

commas). [String]

classpath The classpath to use. [Path]

Adds a reference to a classpath defined elsewhere. [Reference] classpathref destdir Destination directory into which the Java source files should be

compiled. [File]

force If true, output files should always be written (JDK1.2 only).

[Boolean]

old If true, specifies that old JDK1.0-style header files should be

generated. [Boolean]

outputfile Concatenates the resulting header or source files for all the

classes listed into this file. [File]

stubs If true, generates C declarations from the Java object file

(used with old). [Boolean]

If true, causes javah to print a message concerning the verbose

status of the generated files. [Boolean]

Adds path to bootstrap class files. [Path] <bootclasspath>

<class> Adds class to process.

<classpath> Path to use for classpath. [Path]

<jdepend> Runs JDepend tests.

classpath Classpath to be used for this compilation. [Path]

Adds a reference to a classpath defined elsewhere. [Reference] classpathref

dir The directory to invoke the VM in. [File] If true, forks into a new JVM. [Boolean] fork format The format to write the output in. [xml, text] Sets whether to halt on failure. [Boolean] haltonerror

The command used to invoke a forked Java Virtual Machine. jvm

[String]

outputfile The output file name. [File] Adds a path to the classpath. [Path] <classpath>

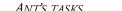
<sourcespath> Adds a path to source code to analyze. [Path]

<iitree> Runs the JJTree preprocessor for the JavaCC compiler compiler.

buildnodefiles BUILD_NODE_FILES grammar option. [Boolean] The directory containing the JavaCC distribution. [File] javacchome

multi MULTI grammar option. [Boolean]

NODE_DEFAULT_VOID grammar option. [Boolean] nodedefaultvoid nodefactory NODE_FACTORY grammar option. [Boolean] nodepackage NODE_PACKAGE grammar option. [String]



















nodeprefix NODE_PREFIX grammar option. [String]
nodescopehook NODE_SCOPE_HOOK grammar option. [Boolean]
nodeusesparser NODE_USES_PARSER grammar option. [Boolean]
outputdirectory The directory to write the generated file to. [File]

static STATIC grammar option. [Boolean]
target The jjtree grammar file to process. [File]
visitor VISITOR grammar option. [Boolean]

visitorexception VISITOR_EXCEPTION grammar option. [String]

<jpcoverage> Runs Sitraka JProbe Coverage analyzer.

applet If true, runs an applet. [Boolean]

classname Classname to run as stand-alone or runner for filesets. [String]
exitprompt Toggles display of the console prompt: always, error, never.

[String]

finalsnapshot Type of snapshot to send at program termination: none,

coverage, all. [String]

home The directory where JProbe is installed. [File]

javaexe Path to the java executable. [File]

recordfromstart If you want to start analyzing as soon as the program begins,

use all. If not, select none. [coverage, none, all]

seedname Seed name for snapshot file. [String]

snapshotdir The path to the directory where snapshot files are stored. [File]

tracknatives If true, tracks native methods. [Boolean]

vm Indicates which virtual machine to run. [java2, jdk118, jdk117] warnlevel Sets warning level (0-3, where 0 is the least amount of warnings).

[Integer]

workingdir The physical path to the working directory for the VM. [File]

<arg> Adds a command argument.
<classpath> Classpath to run the files. [Path]
<fileset> The classnames to execute. [Fileset]

<filters> Defines class/method filters based on pattern matching.

<jvmarg> Adds a JVM argument.

<socket>
Defines a host and port to connect to if you want to do

remote viewing.

<triggers> Defines events to use for interacting with the collection of

data performed during coverage.

<jpcovmerge> Runs the snapshot merge utility for JProbe Coverage.

home The directory where JProbe is installed. [File]

tofile Output snapshot file. [File]

verbose If true, perform the merge in verbose mode giving details

about the snapshot processing. [Boolean]

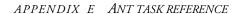
<fileset> Adds a fileset containing the snapshots to include. [Fileset]



















Format of the report. [html, text, xml] format. The directory where JProbe is installed. [File] home

includesource If true, include text of the source code lines. [Boolean] A numeric value for the threshold for printing methods. [Integer] percent

snapshot The name of the snapshot file that is the source to the report.

[File]

tofile The name of the generated output file. [File]

The type of report to be generated. [executive, summary, type

detailed, verydetailed]

Adds a set of classes whose coverage information will be <reference>

checked against.

Adds a path to source files. [Path] <sourcepath>

$\langle jspc \rangle^*$ Runs a JSP compiler.

classpath Classpath to be used for this compilation. [Path]

Adds a reference to a classpath defined elsewhere. [Reference] classpathref

Class name of a JSP compiler adapter. [String] compiler

Destination directory into which the JSP source files should be destdir

compiled. [File]

Specifies the build to halt if compilation fails (default is true). failonerror

Java Plug-in CLASSID for Internet Explorer. [String] ieplugin

mapped If true, generates separate write() calls for each HTML line in the

JSP. [Boolean]

Name of the package the compiled JSP files should be in. [String] package

srcdir Path for source JSP files. [Path]

uribase The URI context of relative URI references in the JSP pages. [File] The root directory that URI files should be resolved against. [File] uriroot

verbose Verbose level of the compiler. [Integer]

webinc Output file name for the fraction of web.xml that lists servlets. [File]

File name for web.xml. [File] webxml Adds a path to the classpath. [Path] <classpath>

<webapp> Adds a single webapp.

<junit> Runs JUnit tests.

dir The directory to invoke the VM in. [File]

Property to set to true if there is a error in a test. [String] errorproperty failureproperty Property to set to true if there is a failure in a test. [String]

filtertrace If true, smartly filter the stack frames of JUnit errors and failures before reporting them. [Boolean]

fork If true, JVM should be forked for each test. [Boolean]

haltonerror If true, stop the build process when there is an error in a test.

[Boolean]



















haltonfailure If true, stop the build process if a test fails (errors are considered

failures as well). [Boolean]

If true, include ant.jar, optional.jar, and junit.jar in the forked VM. includeant-[Boolean] runtime

The command used to invoke the Java Virtual Machine, default is ivm

iava. [String]

Maximum memory to be used by all forked JVMs. [String] maxmemory If true, use a new environment when forked. [Boolean] newenvironment

printsummary If true, print one-line statistics for each test, or withOutAndErr

to also show standard output and error. [true, yes, false, no,

on, off, withOutAndErr]

showoutput If true, send any output generated by tests to Ant's

logging system as well as to the formatters. [Boolean]

timeout Timeout value (in milliseconds). [Integer] <batchtest> Adds a set of tests based on pattern matching. <classpath> Adds path to classpath used for tests. [Path] <env> Adds an environment variable; used when forking. Add a new formatter to all tests of this task. <formatter> Adds a JVM argument; ignored if not forking. <jvmarq> <sysproperty> Adds a system property that tests can access.

Adds a new single testcase. <test>

<junitreport>

Aggregates all <junit> XML formatter test suite data under a specific directory and transforms the results via XSLT.

Destination directory where the results should be written. [File] todir

tofile Name of the aggregated results file. [String]

Adds a new fileset containing the XML results to aggregate. [Fileset] <fileset> <report> Generates a report based on the document created by the merge.

< loadfile > Loads a whole text file into a single property.

encoding Encoding to use for input, defaults to the platform's

default encoding. [String]

If true, fail on load error. [Boolean] failonerror property Property name to save to. [String]

srcfile File to load. [File]

Adds the FilterChain element. [FilterChain] <filterchain>

< loadproperties > Loads a file's contents as Ant properties.

File to load. [File] srcfile

<filterchain> Adds a FilterChain. [FilterChain]



















bcclist Adds bcc address elements. [String] cclist Adds cc address elements. [String]

encoding Allows the build writer to choose the preferred encoding

method. [auto, mime, uu, plain]

failonerror Indicates whether BuildExceptions should be passed back

to the core. [Boolean]

files Adds a list of files to be attached. [String]

from Shorthand to set the from address element. [String] includefilenames Sets Includefilenames attribute. [Boolean]

mailhost Host. [String]

mailport Mail server port. [Integer]

message Shorthand method to set the message. [String]
messagefile Shorthand method to set the message from a file. [File]
messagemimetype Shorthand method to set type of the text message, text/plain by

default, but text/html or text/xml is quite feasible. [String]

subject Subject line of the email. [String]
tolist Adds to address elements. [String]

Adds bcc address element.

<cc> Adds ac address element.

<fileset> Adds a set of files (nested fileset attribute). [Fileset]

<from> Adds a from address element.
<message> Adds a message element.
<to> Adds a to address element.

<manifest> Creates a manifest file for inclusion in a JAR.

file The name of the manifest file to create/update. [File] mode Update policy; default is replace. [update, replace] <attribute> Adds an attribute to the manifest's main section.

<section> Adds a section to the manifest.

<maudit> Invokes the Metamata Audit/Webgain Quality Analyzer on a set of Java files.

fix Automatically fixes certain errors (those marked as fixable

in the manual); optional, default false. [Boolean]

list Creates listing file for each audited file; optional, default false.

[Boolean]

maxmemory Maximum memory for the JVM; optional. [String]

metamatahome The home directory containing the Metamata distribution;

required. [File]

tofile The XML file to which the Audit result should be written to;

required. [File]

unused Finds declarations unused in search paths; optional, default

false. [Boolean]

<classpath> Classpath (also source path unless one explicitly set). [Path]









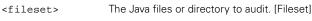












<jvmarg> Additional optional parameters to pass to the JVM.

Classpath for additional audit rules; these must be placed before metamata.jar. [Path]

<searchpath> Search path to use for unused global declarations; required

when unused is set. [Path]

<sourcepath> Source path. [Path]

<mimemail> See <mail>.

<mkdir> Creates a given directory.

<rulespath>

dir The directory to create; required. [File]

<mmetrics> Computes the metrics of a set of Java files and writes the results to an XML file.

granularity Granularity of the audit. [compilation-units, files,

methods, types, packages]

maxmemory Maximum memory for the JVM; optional. [String]

metamatahome The home directory containing the Metamata distribution;

required. [File]

tofile Output XML file. [File]

<classpath> Classpath (also source path unless one explicitly set). [Path]

<sourcepath> Source path. [Path]

<*move>* Moves a file or directory to a new file or directory.

encoding Character encoding. [String]

failonerror If false, notes errors to the output but keeps going. [Boolean]

file Single source file to copy. [File] filtering If true, enables filtering. [Boolean]

flatten When copying directory trees, the files can be flattened into a

single directory. [Boolean]

includeemptydirs Used to copy empty directories. [Boolean]

overwrite Overwrites any existing destination files. [Boolean]
preservelast- Gives the copied files the same last modified time as the

modified original files. [Boolean]
todir Destination directory. [File]
tofile Destination file. [File]

verbose Used to force listing of all names of copied files. [Boolean]

<fileset> Adds a set of files to copy. [Fileset]
<filterchain> Adds a FilterChain. [FilterChain]
<filterset> Adds a filterset. [Filterset]

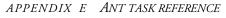
<mapper> Defines the mapper to map source to destination files. [Mapper]



















Remove the intermediate Sun JavaCC file; optional, default cleanup

false. [Boolean]

Set parser debug mode; optional, default false. [Boolean] debugparser Set scanner debug mode; optional, default false. [Boolean] debugscanner

Maximum memory for the JVM; optional. [String] maxmemory

The home directory containing the Metamata distribution; metamatahome

required. [File]

target The .jj file to process; required. [File]

verbose Set verbose mode; optional, default false. [Boolean]

Creates a classpath entry. [Path] <classpath>

Additional optional parameters to pass to the JVM. <jvmarg>

<sourcepath> Creates a source path entry. [Path]

<native2ascii>* Converts files from native encodings to ASCII.

Destination directory to place converted files into. [File] dest

Encoding to translate to/from. [String] encoding

Extension which converted files should have. [String] ext Flag the conversion to run in the reverse sense, that is reverse

ASCII-to-native encoding. [Boolean]

Source directory in which to find files to convert. [File] src Defines the FileNameMapper to use (nested mapper <mapper>

element). [Mapper]

Compiles NetRexx source files. <netrexxc> *

Sets whether literals are treated as binary, rather than NetRexx binary

types. [Boolean]

Classpath used for NetRexx compilation. [String] classpath

comments Sets whether comments are passed through to the generated

Java source. [Boolean]

Sets whether error messages come out in compact or verbose compact format. [Boolean]

Sets whether the NetRexx compiler should compile the compile

generated Java code. [Boolean]

Sets whether messages should be displayed. [Boolean] console Sets whether variable cross-references are generated. crossref

[Boolean]

Sets whether decimal arithmetic should be used for the decimal NetRexx code. [Boolean]

destdir Destination directory into which the NetRexx source files

should be copied and then compiled. [File]

diag Sets whether diagnostic information about the compile is

generated. [Boolean]

explicit Sets whether variables must be declared explicitly before use.

[Boolean]























Sets whether the generated Java code is formatted nicely or format

left to match NetRexx line numbers for call stack debugging.

[Boolean]

Sets whether the generated Java code is produced. [Boolean] java keep

Sets whether the generated Java source file should be kept after compilation. [Boolean]

Sets whether the compiler text logo is displayed when

compiling. [Boolean]

Sets whether the generated .Java file should be replaced replace

when compiling. [Boolean]

Sets whether the compiler messages will be written to savelog

NetRexxC.log as well as to the console. [Boolean]

Tells the NetRexx compiler to store the class files in the same sourcedir

directory as the source files. [Boolean]

srcdir Source dir to find the source Java files. [File]

Tells the NetRexx compiler that method calls always need strictargs

parentheses, even if no arguments are needed. [Boolean]

strictassign Tells the NetRexx compile that assignments must match exactly on type. [Boolean]

Specifies whether the NetRexx compiler should be case

sensitive. [Boolean]

Sets whether classes need to be imported explicitly using an strictimport

import statement. [Boolean]

Sets whether local properties need to be qualified explicitly strictprops

using this. [Boolean]

Sets whether the compiler should force catching of exceptions strictsignal

by explicitly named types. [Boolean]

Sets whether we should filter out any deprecation-messages suppress-

of the compiler output. [Boolean] deprecation

Sets whether the task should suppress the FooException is suppressexceptionnotsignalled in SIGNALS list but is not signalled within the method, which is

sometimes rather useless. [Boolean]

suppressmet.hod-

strictcase

Sets whether the task should suppress the "Method argument is not used" in strictargs-Mode, which cannot be argumentnotused

suppressed by the compiler itself. [Boolean]

suppressprivatepropertynotused

Sets whether the task should suppress the "Private property is defined but not used" in strictargs-Mode, which can be quite

annoying while developing. [Boolean]

suppressvariable-

notused

logo

Sets whether the task should suppress the "Variable is set but

not used" in strictargs-Mode. [Boolean]

Sets whether debug symbols should be generated into the symbols

class file. [Boolean]

Asks the NetRexx compiler to print compilation times to the time console. [Boolean]

Turns on or off tracing, and directs the resultant output. trace [trace, trace1, trace2, notrace]

Tells the NetRexx compiler that the source is in UTF8. utf8

[Boolean]

Sets whether lots of warnings and error messages should be verbose

generated. [verbose, verbose0, verbose1, verbose2,

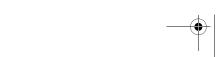
verbose3, verbose4, verbose5, noverbose]









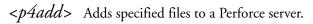












changelist If specified, the open files are associated with the specified

pending changelist number; otherwise the open files are

associated with the default changelist. [Integer]

client Specifies the p4 client spec to use; optional, defaults to the

current user. [String]

Sets extra command options; only used on some of the cmdopts

Perforce tasks. [String]

commandlength Positive integer specifying the maximum length of the

command line when calling Perforce to add the files. [Integer]

failonerror Sets whether to stop the build or keep going if an error is

returned from the p4 command; default is true. [Boolean]

Specifies the p4d server and port to connect to; optional, default port

perforce:1666. [String]

user Specifies the p4 username; optional, defaults to the current

user. [String]

view Specifies the client, branch, or label view to operate upon;

optional default //... [String]

<fileset> Files to add. [Fileset]

<p4change> Requests a new changelist from the Perforce server.

client The p4 client spec to use; optional, defaults to the current user.

Set extra command options; only used on some of the Perforce cmdopts

tasks. [String]

description Description for ChangeList; optional. [String]

Sets whether to stop the build (true, default) or keep going if an failonerror

error is returned from the p4 command. [Boolean]

port The p4d server and port to connect to; optional, default

perforce:1666. [String]

user The p4 username; optional, defaults to the current user. [String]

view The client, branch, or label view to operate upon; optional

default //... [String]

<p4counter> Obtains or sets the value of a Perforce counter.

The p4 client spec to use; optional, defaults to the current user. client

[String]

Set extra command options; only used on some of the Perforce cmdopts

tasks. [String]

Sets whether to stop the build (true, default) or keep going if an failonerror

error is returned from the p4 command. [Boolean]

The name of the counter; required. [String] name

The p4d server and port to connect to; optional, default port

perforce:1666. [String]

A property to be set with the value of the counter. [String] property The p4 username; optional, defaults to the current user. [String] user









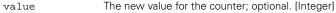












The client, branch, or label view to operate upon; optional default view

<p4delete> Checkout Perforce-managed files for deletion.

An existing changelist number for the deletion; optional but change

strongly recommended. [String]

The p4 client spec to use; optional, defaults to the current user. client

cmdopts Set extra command options. [String]

Sets whether to stop the build (true, default) or keep going if failonerror

an error is returned from the p4 command. [Boolean]

port The p4d server and port to connect to; optional, default

perforce: 1666. [String]

The p4 username; optional, defaults to the current user. [String] user The client, branch or label view to operate upon; optional default view

//.... [String]

<p4edit> Open Perforce-managed files for editing.

An existing changelist number to assign files to; optional but change

strongly recommended. [String]

The p4 client spec to use; optional, defaults to the current user. client

[String]

Set extra command options; only used on some of the Perforce cmdopts

tasks. [String]

Sets whether to stop the build (true, default) or keep going failonerror

if an error is returned from the p4 command. [Boolean]

port The p4d server and port to connect to; optional, default

perforce:1666.[String]

The p4 username; optional, defaults to the current user. [String] user

The client, branch, or label view to operate upon; optional view

default //...[String]

<p4have> Lists Perforce-managed files currently on the client.

client The p4 client spec to use; optional, defaults to the current user.

[String]

cmdopts Set extra command options; only used on some of the Perforce

tasks. [String]

Sets whether to stop the build (true, default) or keep going failonerror

if an error is returned from the p4 command. [Boolean]

The p4d server and port to connect to; optional, default port.

perforce: 1666. [String]

The p4 username; optional, defaults to the current user. [String] user

The client, branch, or label view to operate upon; view

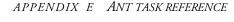
optional, default //...[String]







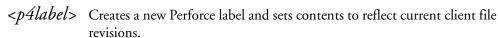












The p4 client spec to use; optional, defaults to the current user. client

cmdopts Set extra command options; only used on some of the Perforce

tasks. [String]

desc Label description; optional. [String]

Sets whether to stop the build (true, default) or keep going failonerror

if an error is returned from the p4 command. [Boolean]

When set to locked, Perforce will lock the label once created; lock

optional. [String]

The name of the label; optional, default AntLabel. [String] name The p4d server and port to connect to; optional, default port

perforce: 1666. [String]

The p4 username; optional, defaults to the current user. [String] user

The client, branch, or label view to operate upon; view

optional, default //...[String]

<p4reopen> Reopens Perforce-managed files.

client The p4 client spec to use; optional, defaults to the current user.

[String]

cmdopts Set extra command options; only used on some of the Perforce tasks.

[String]

Sets whether to stop the build (true, default) or keep going if an error failonerror

is returned from the p4 command. [Boolean]

The p4d server and port to connect to; optional, default port

perforce: 1666. [String]

The changelist to move files to; required. [String] tochange

user The p4 username; optional, defaults to the current user. [String]

The client, branch, or label view to operate upon; view

optional default //...[String]

<p4revert> Reverts Perforce open files or files in a changelist

The changelist to revert; optional. [String] change

The p4 client spec to use; optional, defaults to the current user. client

cmdopts Set extra command options; only used on some of the Perforce

tasks. [String]

Sets whether to stop the build (true, default) or keep going failonerror

if an error is returned from the p4 command. [Boolean]

The p4d server and port to connect to; optional, default port

perforce: 1666. [String]

Flag to revert only unchanged files (p4 revert -a); optional, revertonly-

unchanged default false. [Boolean]

The p4 username; optional, defaults to the current user. [String] user

The client, branch, or label view to operate upon; view

optional default //... [String]





















<p4submit> Submits a numbered changelist to Perforce.

change The changelist number to submit; required. [String]

client The p4 client spec to use; optional, defaults to the current user. [String]

cmdopts Set extra command options; only used on some of the

Perforce tasks. [String]

failonerror Sets whether to stop the build (true, default) or keep going if an

error is returned from the p4 command. [Boolean]

port The p4d server and port to connect to; optional, default

perforce: 1666. [String]

user The p4 username; optional, defaults to the current user. [String]
view The client, branch, or label view to operate upon; optional default //

. . . . [String]

<p4sync> Synchronizes client space to a Perforce depot view.

client The p4 client spec to use; optional, defaults to the current user.

[String]

cmdopts Set extra command options; only used on some of the Perforce

tasks. [String]

failonerror Sets whether to stop the build (true, default) or keep going if an

error is returned from the p4 command. [Boolean]

force Force a refresh of files, if this attribute is set; false by default. [String]

label Label to sync client to; optional. [String]

port The p4d server and port to connect to; optional, default

perforce:1666.[String]

user The p4 username; optional, defaults to the current user. [String] view The client, branch, or label view to operate upon; optional default //

.... [String]

<parallel> Executes the contained tasks in separate threads, continuing once all are completed. Any Ant task can be nested inside this task.

<patch> Patches a file by applying a diff file to it; requires patch to be on the execution path.

backups Flag to create backups; optional, default=false. [Boolean]
dir The directory to run the patch command in, defaults to the

project's base directory. [File]

ignorewhitespace Flag to ignore white space differences; default=false. [Boolean]

originalfile The file to patch; optional if it can be inferred from the

diff file. [File]

patchfile The file containing the diff output; required. [File]

quiet Work silently unless an error occurs; optional, default=false.

3oolean]

reverse Assume patch was created with old and new files swapped;

optional, default=false. [Boolean]

strip Strip the smallest prefix containing this many leading slashes

from file names. [Integer]







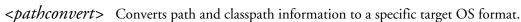












Default directory separator string; defaults to current JVM. [String] dirsep Default path separator string; defaults to current JVM. [String] pathsep The property into which the converted path will be placed. [String] property Adds a reference to a Path, FileSet, DirSet, or FileList defined refid

elsewhere. [Reference]

setonempty If false, don't set the new property if the result is the empty string;

default true. [Boolean]

targetos Sets target platform; required unless pathsep or dirsep are

specified. [windows, unix, netware, os/2]

Creates a nested MAP element. <map> <path> Creates a nested PATH element. [Path]

cproperty> Sets a property by name, or set of properties (from file or resource) in the project.

classpath The classpath to use when looking up a resource. [Path] environment The prefix to use when retrieving environment variables. [String]

The file name of a property file to load. [File] file

Property to the absolute file name of the given file. [File] location

name Name of the property to set. [String]

Prefix to apply to properties loaded using file or resource. prefix

refid Reference to an Ant datatype declared elsewhere. [Reference]

The resource name of a property file to load. [String] resource

value Value of the property. [String]

<classpath> The classpath to use when looking up a resource. [Path]

propertyfile> Modifies settings in a property file.

comment Optional header comment for the file. [String]

file Location of the property file to be edited; required. [File]

Specifies a property and how to modify it. <entry>

Extracts the latest edition of the source code from a PVCS repository. <pvcs>

filenameformat The format of the folder names; optional. [String]

Specifies the value of the force argument; optional. [String] force ignorereturncode If set to true the return value from executing the PVCS commands are ignored; optional, default false. [Boolean]

label Only files marked with this label are extracted; optional. [String] linestart What a valid return value from PVCS looks like when it

describes a file. [String]

Specifies the name of the promotiongroup argument. promotiongroup

[String]

















pvcsbin Specifies the location of the PVCS bin directory; optional if

on the PATH. [String]

The project within the PVCS repository to extract files from; pvcsproject

optional, default "/". [String]

The network name of the PVCS repository; required. [String] repository

If true, files are fetched only if newer than existing local files; updateonly optional, default false. [Boolean]

workspace Workspace to use; optional. [String]

<pvcsproject> Specifies a project within the PVCS repository to extract files

< record> Adds a listener to the current build process that records the output to a file.

action Action for the associated recorder entry. [start, stop] Sets whether the logger should append to a previous file. append

[Boolean]

No description. [Boolean] emacsmode

loglevel Level to which this recorder entry should log to.

[error, warn, info, verbose, debug]

Name of the file to log to, and the name of the recorder entry. name

<replace>* Replaces all occurrences of one or more string tokens with given values in the indicated files.

dir The base directory to use when replacing a token in multiple

files; required if file is not defined. [File]

encoding File encoding to use on the files read and written by the task;

optional, defaults to default JVM encoding. [String]

file Source file; required unless dir is set. [File]

propertyfile The name of a property file from which properties specified

using nested <replacefilter> elements are drawn; Required only if property attribute of <replacefilter> is used. [File]

replacefilterfileName of a property file containing filters; optional. [File]

Indicates whether a summary of the replace operation should be summary

produced, detailing how many token occurrences and files were

processed; optional, default is false. [Boolean]

String token to replace; required unless a nested replacetoken

token element or the replacefilterfile attribute is

used. [String]

String value to use as token replacement; optional, default is the empty string " "[String] value

Adds a replacement filter. <replacefilter>

The token to filter as the text of a nested element. <replacetoken>

<replacevalue> The string to replace the token as the text of a nested element.







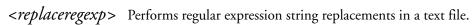












byline Process the file(s) one line at a time, executing the replacement

on one line at a time. [String]

File for which the regular expression should be replaced; file

required unless a nested fileset is supplied. [File]

flags The flags to use when matching the regular expression. [String] The regular expression pattern to match in the files; required match

if no nested <regexp> is used. [String]

The substitution pattern to place in the files in place of the replace

regular expression. [String]

Lists files to apply the replacement to. [Fileset] <fileset>

A regular expression. <reqexp> <substitution> A substitution pattern.

<rmic> * Runs the rmic compiler against classes.

base Location to store the compiled files; required. [File] The class to run rmic against; optional. [String] classname classpath Classpath to be used for this compilation. [Path] classpathref Adds a path to the classpath by reference. [Reference] Compiler implementation to use; optional, defaults to the compiler

value of the build.rmic property, or failing that, default

compiler for the current VM. [String]

debug Generates debug info (passes -g to rmic); optional, defaults

to false. [Boolean]

Extension directories that will be used during the extdirs

compilation; optional. [Path]

Indicates whether token filtering should take place; optional, filtering

default=false. [Boolean]

idl Indicates that IDL output should be generated. [Boolean] idlopts Passes additional arguments for idl compile. [String] Indicates that IIOP-compatible stubs should be generated; iiop

optional, defaults to false if not set. [Boolean]

iiopopts Sets additional arguments for IIOP. [String] includeantruntime Sets whether to include the Ant run-time libraries;

optional defaults to true. [Boolean]

includejavaruntime Task's classpath. [Boolean]

sourcebase Optional directory to save generated source files to. [File] Specifies the JDK version for the generated stub code. stubversion

Flag to enable verification, so that the classes found by the verify

directory match are checked to see if they implement

java.rmi.Remote.[Boolean]

Adds a path to the classpath. [Path] <classpath>

<compilerarg> Adds an implementation-specific command-line argument.

Adds path to the extension directories path. [Path] <extdirs>







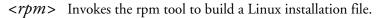












Flag (optional, default=false) to remove the generated files in cleanbuilddir

the BUILD directory. [Boolean]

What command to issue to the rpm tool; optional. [String] command

Optional file to save stderr to. [File] error output Optional file to save stdout to. [File]

Flag (optional, default=false) to remove the sources after the removesource

build. [Boolean]

removespec Flag (optional, default=false) to remove the spec file from

SPECS. [Boolean]

specfile The name of the spec File to use; required. [String] topdir The directory which will have the expected subdirectories, SPECS, SOURCES, BUILD, SRPMS; optional. [File]

<script> Executes a script. The script can be nested as text, or an external file referenced using src.

> Defines the language (required). [String] language

Load the script from an external file; optional. [String]

<sequential> Container task to execute all nested tasks sequentially. This is useful when nested within <parallel>.

<serverdeploy> Controls hot deployment tools for J2EE servers.

The action to be performed, usually deploy; required. [String] action

The file name of the component to be deployed; optional source

depending upon the tool and the action. [File]

Creates a generic deployment tool. <generic>

Creates a JOnAS deployment tool, for deployment to JOnAS <jonas>

<weblogic> Creates a WebLogic deployment tool, for deployment to

WebLogic servers.

<setproxy> Sets Java's web proxy properties, so that tasks and code run in the same JVM can have through-the-firewall access to remote web sites, and remote ftp sites.

> A list of hosts to bypass the proxy on. [String] nonproxyhosts

proxyhost The HTTP/ftp proxy host. [String]

The HTTP/ftp proxy port number; default is 80. [Integer] proxyport

The name of a Socks server. [String] socksproxyhost socksproxyport ProxyPort for socks connections. [Integer]







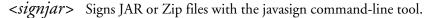












alias The alias to sign under; required. [String]

Flag to include the .SF file inside the signature; optional; default internalsf

false. [Boolean]

The JAR file to sign; required. [File] iar

Password for private key (if different than storepass); optional. keypass

[String]

keystore Keystore location; required. [File]

lazy Flag to control whether the presence of a signature file means a

JAR is signed; optional, default false. [Boolean]

Flag to compute hash of entire manifest; optional, default false. sectionsonly

[Boolean]

sigfile Name of .SF/.DSA file; optional. [File] signedjar Name of signed JAR file; optional. [File]

storepass Password for Keystore integrity; required. [String]

Keystore type; optional. [String] storetype

Enable verbose output when signing; optional: default false. verbose

[Boolean]

<fileset> Adds a set of files to sign. [Fileset]

<sleep> Sleep, or pause, for a period of time.

> failonerror Flag controlling whether to break the build on an error. [Boolean]

Hours to add to the sleep time. [Integer] hours milliseconds Milliseconds to add to the sleep time. [Integer] minutes Minutes to add to the sleep time. [Integer] Seconds to add to the sleep time. [Integer] seconds

<soscheckin> Commits and unlocks files in Visual SourceSafe via a SourceOffSite server.

> Comment to apply to all files being labeled; optional, only valid in comment

SOSLabel. [String]

file File name to act upon; optional. [String]

Labeled version to operate on in SourceSafe. [String] label

Override the working directory and get to the specified path; localpath

optional. [Path]

Flag to disable the cache when set; optional, needed if nocache

SOSHOME is set as an environment variable. [Boolean]

Flag that disables compression when set; optional. [Boolean] nocompress

password SourceSafe password; optional. [String]

projectpath SourceSafe project path without the \$ prefix; required. [String]

Flag to recursively apply the action (not valid on all SOS tasks); recursive optional, default false. [Boolean]

soscmd Directory where soscmd is located; optional, soscmd must be on

the path if omitted. [String]

The path to the SourceOffSite home directory. [String] soshome





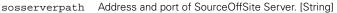












SourceSafe username; required. [String] username

Enable verbose output; optional, default false. [Boolean] verbose

version A version number to get—only works with the SOSGet on a file;

optional. [String]

Path to the location of the ss.ini file; required. [String] vssserverpath

<soscheckout> Retrieves and locks files in Visual SourceSafe via a SourceOffSite server.

Comment to apply to all files being labelled; optional, only valid in comment

SOSLabel. [String]

file File name to act upon; optional. [String]

label Labeled version to operate on in SourceSafe. [String]

Override the working directory and get to the specified path; localpath

optional. [Path]

nocache Flag to disable the cache when set; optional needed if SOSHOME is

set as an environment variable. [Boolean]

nocompress Flag that disables compression when set; optional. [Boolean]

SourceSafe password; optional. [String] password

SourceSafe project path without the \$ prefix; required. [String] projectpath Flag to recursively apply the action (not valid on all SOS tasks); recursive

optional, default false. [Boolean]

Directory where soscmd is located; optional, soscmd must be on soscmd

the path if omitted. [String]

The path to the SourceOffSite home directory. [String] soshome Address and port of SourceOffSite Server, e.g. [String] sosserverpath

username SourceSafe username; required. [String]

Enable verbose output; optional, default false. [Boolean] verbose

A version number to get—only works with the SOSGet on a file; version

optional. [String]

Path to the location of the ss.ini file; required. [String] vssserverpath

<sosget> Retrieves a read-only copy of the specified project or file from Visual SourceSafe via a SourceOffSite server.

Comment to apply to all files being labelled; optional, only valid in comment.

SOSLabel. [String]

file File name to act upon; optional. [String]

label Labeled version to operate on in SourceSafe. [String]

Override the working directory and get to the specified path; localpath

optional. [Path]

Flag to disable the cache when set; optional, needed if SOSHOME is nocache

set as an environment variable. [Boolean]

nocompress Flag that disables compression when set; optional. [Boolean]

SourceSafe password; optional. [String] password

projectpath SourceSafe project path without the \$ prefix; required. [String]



















recursive Flag to recursively apply the action (not valid on all SOS tasks);

optional, default false. [Boolean]

Directory where soscmd is located; optional, soscmd must be on soscmd

the path if omitted. [String]

The path to the SourceOffSite home directory. [String] soshome Address and port of SourceOffSite Server, e.g. [String] sosserverpath

SourceSafe username; required. [String] username

verbose Enable verbose output; optional, default false. [Boolean]

A version number to get—only works with the SOSGet on a file; version

optional. [String]

Path to the location of the ss.ini file; required. [String] vssserverpath

<soslabel> Labels Visual SourceSafe files via a SourceOffSite server.

Comment to apply to all files being labelled; optional, only valid in comment

SOSLabel. [String]

file File name to act upon; optional. [String]

Labeled version to operate on in SourceSafe. [String] label

Override the working directory and get to the specified path; localpath

Flag to disable the cache when set; optional, needed if nocache

SOSHOME is set as an environment variable. [Boolean]

Flag that disables compression when set; optional, default. nocompress

password SourceSafe password; optional. [String]

SourceSafe project path without the \$ prefix; required. [String] projectpath Flag to recursively apply the action (not valid on all SOS tasks); recursive

optional, default false. [Boolean]

Directory where soscmd is located; optional, soscmd must be soscmd

on the path if omitted. [String]

The path to the SourceOffSite home directory. [String] soshome Address and port of SourceOffSite Server, e.g. [String] sosserverpath

SourceSafe username; required. [String] username

verbose Enable verbose output; optional, default false. [Boolean]

A version number to get—only works with the SOSGet on a file; version

optional. [String]

vssserverpath Path to the location of the ss.ini file; required. [String]

Plays a sound file at the end of the build, according to whether the build <sound> failed or succeeded.

<fail> Adds a sound when the build fails. <success> Adds a sound when the build succeeds.









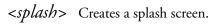












A URL pointing to an image to display; optional, default imageurl

antlogo.gif from the classpath. [String]

password Proxy password; required if user is set. [String]

Proxy port; optional, default 80. [String] port proxy Name of proxy; optional. [String]

How long to show the splash screen in milliseconds, optional; showduration

default 5000 ms. [Integer]

user Proxy user; optional, default=none. [String]

Executes a series of SQL statements on a database using JDBC. SQL commands, may optionally be nested as text data.

Sets whether output should be appended to or overwrite an append

existing file. [Boolean]

autocommit Auto commit flag for database connection; optional, default

false. [Boolean]

caching Caching loaders/driver. [Boolean] Classpath for loading the driver. [Path] classpath

Classpath for loading the driver using the classpath reference. classpathref

[Reference]

delimiter Delimiter that separates SQL statements; optional, default

";". [String]

Delimiter type: normal or row (default normal). [normal, row] delimitertype

Class name of the JDBC driver; required. [String] driver encoding File encoding to use on the SQL files read in. [String] Action to perform when statement fails; default is abort. onerror

[continue, stop, abort]

Output file; optional, defaults to the Ant log. [File] output

Password; required. [String] password

print Print result sets from the statements; optional, default false.

[Boolean]

Execute task only if the lowercase product name of the DB rdbms

matches this. [String]

showheaders Print headers for result sets from the statements; optional,

default true. [Boolean]

src Name of the SQL file to be run. [File] Database connection URL; required. [String] url User name for the connection; required. [String] userid

Version string, execute task only if rdbms version matches; version

optional. [String]

Adds a path to the classpath for loading the driver. [Path] <classpath> <fileset> Adds a set of files (nested fileset attribute). [Fileset]

Adds an SQL transaction to execute. <transaction>



















<stcheckin> Checks files into a StarTeam project.

adduncontrolled If true, any files or folders NOT in StarTeam will be added to the

repository. [Boolean]

comment Optional checkin comment to be saved with the file. [String]

Value of createFolders. [Boolean] createfolders excludes Declare files to exclude. [String]

Flag to force actions regardless of the status that StarTeam forced

is maintaining for the file; optional, default false. [Boolean]

includes Declare files to include. [String]

password Password to be used for login; required. [String]

Name of the StarTeam project to be acted on; required if url is projectname

not set. [String]

Flag to set to include files in subfolders in the operation; recursive

optional, default true. [Boolean]

rootlocalfolder Local folder that will be the root of the tree to which files are

checked out; optional. [String]

rootstarteam-

Root of the subtree in the StarTeam repository from which to folder

work; optional. [String]

Name of StarTeamServer; required if url is not set. [String] servername serverport

Port number of the StarTeam connection; required if url is not

unlocked Set to do an unlocked checkout; optional, default is false; If true,

file will be unlocked so that other users may change it. [Boolean]

Server name, server port, project name and project folder in one url

shot; optional, but the server connection must be specified

somehow. [String]

Name of the StarTeam user, needed for the connection. [String] username

Name of the StarTeam view to be acted on; required if url viewname

is not set. [String]

<stcheckout> Checks out files from a StarTeam project.

create-Flag (defaults to true) to create all directories that are in the workingdirs Starteam repository even if they are empty. [Boolean]

delete-Should all local files not in StarTeam be deleted? Optional,

uncontrolled defaults to true. [Boolean] excludes Declare files to exclude. [String]

Flag to force actions regardless of the status that StarTeam is forced

maintaining for the file; optional, default false. [Boolean]

Declare files to include. [String] includes

Label StarTeam is to use for checkout; defaults to the most label

recent file. [String]

locked Set to do a locked checkout; optional default is false. [Boolean]

Password to be used for login; required. [String] password

projectname Name of the StarTeam project to be acted on; required if ${\tt url}$ is

not set. [String]

recursive Flag to set to include files in subfolders in the operation;

optional, default true. [Boolean]

















rootlocalfolder Local folder that will be the root of the tree to which files are

checked out; optional. [String]

rootstarteamfolder

servername

Root of the subtree in the StarTeam repository from which to work; optional. [String]

Name of StarTeamServer; required if url is not set. [String]

serverport Port number of the StarTeam connection; required if url is not

unlocked Set to do an unlocked checkout. [Boolean]

set. [String]

url Server name, server port, project name, and project folder

in one shot; optional, but the server connection must be

specified somehow. [String]

Name of the StarTeam user, needed for the connection. [String] username Name of the StarTeam view to be acted on; required if url viewname

is not set. [String]

<stlabel> Creates a view label in StarTeam at the specified view.

description Optional description of the label to be stored in the StarTeam

project. [String]

The name to be given to the label; required. [String] label

The timestamp of the build that will be stored with the label; lastbuild

required. [String]

Password to be used for login; required. [String] password

Name of the StarTeam project to be acted on; required if url projectname

is not set. [String]

Name of StarTeamServer; required if url is not set. [String] servername

Port number of the StarTeam connection; required if url is not serverport

Server name, server port, project name and project folder in one url

shot; optional, but the server connection must be specified

somehow. [String]

Name of the StarTeam user, needed for the connection. [String] username

Name of the StarTeam view to be acted on; required if url is not viewname

<stlist> Produces a listing of the contents of the StarTeam repository at the specified view and StarTeamFolder.

excludes Declare files to exclude. [String]

Flag to force actions regardless of the status that StarTeam is forced

maintaining for the file; optional, default false. [Boolean]

includes Declare files to include. [String]

List files, dates, and statuses as of this label; optional. [String] label

password Password to be used for login; required. [String]

projectname Name of the StarTeam project to be acted on; required if url

is not set. [String]

recursive Flag to set to include files in subfolders in the operation;

optional, default true. [Boolean]



















rootlocalfolder

Local folder that will be the root of the tree to which files are

checked out; optional. [String]

rootstarteam-

Root of the subtree in the StarTeam repository from which to work; optional. [String]

folder

Name of StarTeamServer; required if url is not set. [String]

servername serverport

Port number of the StarTeam connection; required if url is not

url

Server name, server port, project name, and project folder in one shot; optional, but the server connection must be specified

somehow. [String]

username viewname Name of the StarTeam user, needed for the connection. [String] Name of the StarTeam view to be acted on; required if url is

not set. [String]

<style> See <xslt>.

<stylebook> Executes the Apache Stylebook documentation generator.

If true, append output to existing file. [Boolean] append

The book xml file that the documentation generation starts book

from; required. [File]

classname Java class to execute. [String]

classpath Classpath to be used when running the Java class. [Path]

Classpath to use, by reference. [Reference] classpathref dir The working directory of the process. [File]

If true, then fail if the command exits with a returncode other failonerror

than 0. [Boolean]

If true, execute in a new VM. [Boolean] fork jar The location of the JAR file to execute. [File]

Command used to start the VM (only if not forking). [String] jvm

Command-line arguments for the JVM. [String] jvmargs

jvmversion JVM version. [String]

loaderconfig A loader configuration to send to stylebook; optional. [String] maxmemory Corresponds to -mx or -Xmx depending on VM version. [String]

If true, use a completely new environment. [Boolean] newenvironment File the output of the process is redirected to. [File] output

skindirectory The directory that contains the stylebook skin; required. [File]

targetdirectory The destination directory where the documentation is

generated; required. [File]

Timeout in milliseconds after which the process will be killed. timeout

[Long]

Adds a command-line argument. <arg> Adds a path to the classpath. [Path] <classpath> <env> Adds an environment variable. Adds a JVM argument. <jvmarg> <sysproperty> Adds a system property.



















<tar> * Creates a tar archive.

classpath

basedir This is the base directory to look in for things to tar. [File]

compression Set compression method. [none, gzip, bzip2]

destfile Set is the name/location of where to create the tar file. [File] longfile Set how to handle long files, those with a path>100 chars.

[warn, fail, truncate, gnu, omit]

<tarfileset> Adds a new fileset with the option to specify permissions.

<taskdef> Adds a task definition to the current project, such that this new task can be used in the current project.

classname The full class name of the object being defined. [String]

Classpath to be used when searching for component being

defined. [Path]

classpathref Reference to a classpath to use when loading the files.

[Reference]

file Name of the property file to load Ant name/classname pairs

from. [File]

loaderref Use the reference to locate the loader. [Reference]

name Name of the property resource to load Ant name/classname

pairs from. [String]

resource Name of the property resource to load Ant name/classname

pairs from. [String]

<classpath> Creates the classpath to be used when searching for

component being defined. [Path]

<telnet> Task to automate a telnet session or other TCP connection to a server.

initialcr Send a carriage return after connecting; optional, defaults to false.

[Boolean]

password The login password to use; required if userid is set. [String]

port TCP port to connect to; default is 23. [Integer] server Hostname or address of the remote server. [String]

timeout Default timeout in seconds to wait for a response, zero means

forever (the default). [Integer]

userid The login ID to use on the server; required if password is set.

[String]

<read> A string to wait for from the server.
<write> Adds text to send to the server.

<tempfile> This task sets a property to the name of a temporary file.

destdir Destination directory. [File]
prefix Optional prefix string. [String]

property The property you wish to assign the temporary file to. [String]

suffix Suffix string for the temp file (optional). [String]











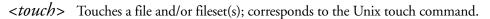












datetime The new modification time of the file in the format MM/DD/

YYYY HH: MM AM or PM; optional, default=now. [String]

Single source file to touch. [File] file

millis The new modification time of the file in milliseconds since

midnight Jan 1, 1970. [Long]

Adds a set of files to touch. [Fileset] <fileset>

<translate> * Translates text embedded in files using Resource Bundle files.

Sets family name of resource bundle; required. [String] bundle bundlecountry Sets locale-specific country of resource bundle; optional.

Sets Resource Bundle file encoding scheme; optional. [String] bundleencoding

Sets locale-specific language of resource bundle; optional. bundlelanguage

[String]

bundlevariant Sets locale-specific variant of resource bundle; optional. [String]

destencoding Sets destination file encoding scheme; optional. [String] Sets ending token to identify keys; required. [String] endt.oken

forceoverwrite Sets whether to overwrite existing file irrespective of whether it

is newer than the source file as well as the resource bundle file.

Sets source file encoding scheme; optional, defaults to srcencoding

encoding of local system. [String]

starttoken Sets starting token to identify keys; required. [String]

Sets destination directory; required. [File] todir

<fileset> Adds a set of files to translate as a nested fileset element.

[Fileset]

<tstamp> Sets properties to the current time, or offsets from the current time.

prefix Prefix for the properties. [String]

Creates a custom format with the current prefix. <format>

<typedef> Adds a data type definition to the current project.

classname The full class name of the object being defined. [String] classpath

Classpath to be used when searching for component being

defined. [Path]

Reference to a classpath to use when loading the files. [Reference] classpathref

file Name of the property file to load Ant name/classname

pairs from. [File]

loaderref Use the reference to locate the loader. [Reference] Name of the property file to load Ant name/classname name

pairs from. [String]

resource Name of the property resource to load Ant name/classname

pairs from. [String]

Creates the classpath to be used when searching for <classpath>

component being defined. [Path]





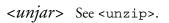












<untar> Untars a file.

compression Set decompression algorithm to use; default=none.

[none, gzip, bzip2]

dest Destination directory. [File]

overwrite If true, overwrite files in dest, even if they are newer

than the corresponding entries in the archive. [Boolean]

src Path to tar file. [File]

<fileset> Adds a fileset. [Fileset]

<patternset> Adds a patternset. [Patternset]

<unwar> See <unzip>.

<unzip> Unzip a file.

dest Destination directory. [File]

overwrite Should the task overwrite files in dest, even if they are newer

than the corresponding entries in the archive? [Boolean]

src Path to Zip file. [File]
<fileset> Adds a fileset. [Fileset]
<patternset> Adds a patternset. [Patternset]

<uptodate>

Sets the given property if the specified target has a timestamp greater than all of the source files.

property The property to set if the target file is more up-to-date than

(each of) the source file(s). [String]

srcfile The file that must be older than the target file if the property

is to be set. [File]

targetfile The file which must be more up-to-date than (each of) the

source file(s) if the property is to be set. [File]

value The value to set the named property to if the target file is more

up-to-date than (each of) the source files. [String]

<mapper> Defines source to target mapping. [Mapper]
<srcfiles> Adds fileset to the source files. [Fileset]

<vajexport> Exports packages from the Visual Age for Java workspace.

defaultexcludes Sets whether default exclusions should be used; default true.

[Boolean]

destdir Destination directory into which the selected items should be

exported; required. [File]

excludes Set of exclude patterns. [String]

exportclasses Optional flag to export the class files; default false. [Boolean] exportdebuginfo Optional flag to export the debug info; default false. [Boolean] exportresources Optional flag to export the resource file; default true. [Boolean]





















exportsources Optional flag to export the Java files; default true. [Boolean]

includes Set of include patterns. [String]

overwrite If true, files will be overwritten during export. [Boolean]

remote Name and port of a remote tool server. [String]

<exclude> Adds a name entry on the exclude list. <include> Adds a name entry on the include list.

<vajimport> Imports source, class files, and resources to the Visual Age for Java workspace.

defaultexcludes Sets whether default exclusions should be used. [Boolean] Flag to import .class files; optional, default false. [Boolean] importclasses Imports resource files (anything that doesn't end in .class importresources

or .java); optional, default true. [Boolean]

importsources Imports .java files; optional, default true. [Boolean]

project The VisualAge for Java Project name to import into. [String]

Name and port of a remote tool server [String] remote

<fileset> Adds a set of files (nested fileset attribute). [Fileset]

< vaiload > Loads specific project versions into the Visual Age for Java workspace.

remote Name and port of a remote tool server, optional. [String] Adds a project description entry on the project list. <vajproject>

<vssadd> Adds files to a Microsoft Visual SourceSafe repository.

What to respond with (sets the -I option). [String] autoresponse

comment Comment to apply; optional. [String]

Local path. [Path] localpath

login The login to use when accessing VSS, formatted as

username, password; optional. [String]

recursive Sets behavior to recursive or nonrecursive. [Boolean] serverpath Directory where srssafe.ini resides; optional. [String] ssdir Directory where ss.exe resides; optional. [String]

SourceSafe path that specifies the project/file(s) you wish vsspath

to perform the action on; required. [String]

writable Leave added files writable? Default: false. [Boolean]

<vsscheckin> Checks in files to a Microsoft Visual SourceSafe repository.

autoresponse What to respond with (sets the -I option). [String]

comment Comment to apply; optional. [String]

localpath Local path. [Path]

The login to use when accessing VSS, formatted as login

username, password; optional. [String]

Flag to tell the task to recurse down the tree; optional, recursive

default false. [Boolean]



















Directory where srssafe.ini resides; optional. [String] serverpath Directory where ss.exe resides; optional. [String] ssdir

SourceSafe path that specifies the project/file(s) you wish vsspath

to perform the action on; required. [String]

Leave checked in files writable? Default: false. [Boolean] writable

<vsscheckout> Checks out files from a Microsoft Visual SourceSafe repository.

autoresponse What to respond with (sets the -I option). [String]

date Date to get. [String] Label to get. [String] label localpath Local path. [Path]

The login to use when accessing VSS, formatted as login

username, password; optional. [String]

Flag to tell the task to recurse down the tree; optional, recursive

default false. [Boolean]

serverpath Directory where srssafe.ini resides; optional. [String] ssdir Directory where ss.exe resides; optional. [String]

Version to get; optional. [String] version

SourceSafe path which specifies the project/files you wish vsspath

to perform the action on; required. [String]

Performs CP (Change Project) commands on a Microsoft Visual Source-Safe repository.

autoresponse What to respond with (sets the -I option). [String]

The login to use when accessing VSS, formatted as login

username, password; optional. [String]

Directory where srssafe.ini resides; optional. [String] serverpath Directory where ss.exe resides; optional. [String] ssdir

vsspath SourceSafe path that specifies the project/files you wish

to perform the action on; required. [String]

Creates a new project in a Microsoft Visual SourceSafe repository. <vsscreate>

autoresponse What to respond with (sets the -I option). [String]

comment Comment to apply in SourceSafe. [String]

failonerror Sets whether task should fail if there is an error creating

the project; optional, default true. [Boolean]

login The login to use when accessing VSS, formatted as

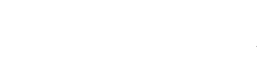
username, password; optional. [String]

quiet Sets/clears quiet mode; optional, default false. [Boolean] Directory where srssafe.ini resides; optional. [String] serverpath Directory where ss.exe resides; optional. [String] ssdir

vsspath SourceSafe path that specifies the project/files you wish

to perform the action on; required. [String]





APPENDIX E ANT TASK REFERENCE





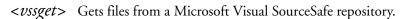












autoresponse What to respond with (sets the -I option). [String]

date Date to get; optional. [String] label Label to get; optional. [String]

Overrides the working directory to get to the specified path; localpath

optional. [Path]

The login to use when accessing VSS, formatted as login

username, password; optional. [String]

quiet Flag to suppress output when true; false by default. [Boolean]

recursive Flag to tell the task to recurse down the tree; optional,

default false. [Boolean]

serverpath Directory where srssafe.ini resides; optional. [String] Directory where ss.exe resides; optional. [String] ssdir

Version number to get; optional. [String] version

vsspath SourceSafe path that specifies the project/files you wish to

perform the action on; required. [String]

Makes fetched files writable; optional, default false. [Boolean] writable

<vsshistory> Gets a change history from a Microsoft Visual SourceSafe repository.

dateformat Format of dates in fromdate and todate; optional. [String] Start date for the comparison of two versions; optional. [String] fromdate

fromlabel Start label; optional. [String]

The login to use when accessing VSS, formatted as login

username, password; optional. [String]

numdays Number of days for comparison; optional. [Integer] Output file name for the history; optional. [File] output

Flag to tell the task to recurse down the tree; optional, recursive

default false. [Boolean]

Directory where srssafe.ini resides; optional. [String] serverpath ssdir Directory where ss.exe resides; optional. [String] style Specify the output style; optional. [brief, codediff,

nofile, default]

End date for the comparison of two versions; optional. [String] t.odat.e

tolabel End label; optional. [String]

Name the user whose changes we would like to see; user

optional. [String]

SourceSafe path that specifies the project/files you wish to vsspath

perform the action on; required. [String]

<vsslabel> Labels files in a Microsoft Visual SourceSafe repository.

What to respond with (sets the -I option). [String] autoresponse The comment to use for this label; optional. [String] comment

label Label to apply; required. [String]

login The login to use when accessing VSS, formatted as

username, password; optional. [String]





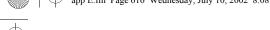












serverpath Directory where srssafe.ini resides; optional. [String] ssdir Directory where ss.exe resides; optional. [String]

version Name of an existing file or project version to label; optional.

[String]

vsspath SourceSafe path that specifies the project/files you wish to

perform the action on; required. [String]

<waitfor> Waits for a nested condition to become valid.

checkevery Time between each check. [Long]

checkeveryunit Check every time unit. [millisecond, second, minute,

hour, day, week]

maxwait Maximum length of time to wait. [Long]

maxwaitunit Max wait time unit. [millisecond, second, minute, hour,

day, week]

timeoutproperty Name of the property to set after a timeout. [String]

<and> True if all nested conditions evaluate to true.

<available> Identical to the <available> task.
<checksum> Identical to the <checksum> task.
<contains> Tests whether one string contains another.
<equals> Tests whether two strings are equal.
<filesmatch> Tests that two files match, byte for byte.

 Checks for a valid response from a web server of a specified

URI

<isfalse> Tests whether a string value is not <istrue>.

<isset> Tests whether a property has been set.

<istrue> Tests whether a string evaluates to "true", "on", or "yes".

<not> Negates results of single nested condition.

<or>
 True if one nested condition is true.

<os> Tests whether the current operating system is of a given type.
<socket> Checks for the existence of a TCP/IP listener at the specified

host and port.

<uptodate> Identical to the <uptodate> task.

<war> * An extension of < jar> to create a WAR archive.

basedir Directory from which to archive files; optional. [File]

compress Sets whether to compress the files or only store them; optional,

default=true;. [Boolean]

destfile The file to create; required. [File]

duplicate Sets behavior for when a duplicate file is about to be added.

[add, preserve, fail]

encoding Encoding to use for file names, defaults to the platform's default

encoding. [String]

filesonly If true, emulates Sun's JAR utility by not adding parent

directories; optional, defaults to false. [Boolean]

index Sets whether to create an index list for classes. [Boolean]

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manifest The manifest file to use. [File]

If true, updates an existing file, otherwise overwrites any update

existing one; optional, defaults to false. [Boolean]

Deployment descriptor to use (WEB-INF/web.xml); webxml

required unless update is true. [File]

whenempty Sets behavior of the task when no files match.

[fail, skip, create]

Adds files under WEB-INF/classes. [ZipFileset] <classes>

<fileset> Adds a set of files. [Fileset]

h> Adds files under WEB-INF/lib/. [ZipFileset]

<manifest> Allows the manifest for the archive file to be provided

inline in the build file rather than in an external file.

<metainf> Adds a zipfileset to include in the META-INF directory.

[ZipFileset]

<webinf> Files to add under WEB-INF. [ZipFileset]

<zipfileset> Adds a set of files that can be read from an archive and be given

a prefix/fullpath. [ZipFileset]

<zipgroup-

fileset>

<wli><wli>pc> * Precompiles JSPs using WebLogic's JSP compiler (weblogic.jspc).

Adds a group of Zip files. [Fileset]

Classpath to be used for this compilation. [Path] classpath dest Directory containing the source JSPs. [File]

package Package under which the compiled classes go. [String]

Directory containing the source JSPs. [File] src <classpath> Adds a path to the classpath. [Path]

<wl><wlrun> Starts a WebLogic server.

Additional argument string passed to the WebLogic instance; args

optional. [String]

beahome The location of the BEA Home; implicitly selects WebLogic 6.0;

optional. [File]

The classpath to be used with the Java Virtual Machine that classpath

runs the WebLogic Server; required. [Path]

Domain to run in; required for WL6.0. [String] domain The location where WebLogic lives. [File] home

jvmargs Additional arguments to pass to the WebLogic JVM. [String] The name of the WebLogic server within the WebLogic home name

that is to be run. [String]

Management password of the server; optional and only password

applicable to WL6.0. [String]

Private key password so the server can decrypt the SSL private pkpassword

key file; optional and only applicable to WL6.0. [String]

The name of the security policy file within the WebLogic home policy

directory that is to be used. [String]

properties The name of the server's properties file within the WebLogic

home directory used to control the WebLogic instance;

required for WL4.5.1. [String]

















Management username to run the server; optional and only username

applicable to WL6.0. [String]

weblogicmain-

wlclasspath

class

Name of the main class for WebLogic; optional. [String]

WebLogic classpath used by the WebLogic server; optional, and only applicable to WL4.5.1. The WebLogic classpath is used by WebLogic to support dynamic class loading. [Path]

Adds the classpath for the user classes. [Path] <classpath>

<wlclasspath> Gets the classpath to the WebLogic classpaths. [Path]

<wl>Shuts down a WebLogic server.

beahome The location of the BEA Home; implicitly selects WebLogic 6.0

shutdown; optional. [File]

The classpath to be used with the Java Virtual Machine that runs classpath

the WebLogic Shutdown command;. [Path]

Delay (in seconds) before shutting down the server; optional. [String] delay

password The password for the account specified in the user parameter;

required. [String]

URL to which the WebLogic server is listening for T3 connections; url

required. [String]

The username of the account that will be used to shut down the user

server; required. [String]

The classpath to be used with the Java Virtual Machine that runs <classpath>

the WebLogic Shutdown command. [Path]

<wsdltodotnet> Converts a WSDL file or URL resource into a .NET language.

Name of the file to generate. [File] destfile

extraoptions Any extra WSDL.EXE options that aren't explicitly supported by

the Ant wrapper task; optional. [String]

Should failure halt the build? Optional, default=true. [Boolean] failonerror Language; default is CS, generating C# source. [CS, JS, or VB] language

Namespace to place the source in. [String] namespace

Flag to enable server-side code generation; optional, server

default=false. [Boolean]

The local WSDL file to parse; either url or srcfile srcfile

is required. [File]

URL to fetch. [String] url

<xmlproperty> Loads property values from a valid XML file, generating the property names from the file's element and attribute names.

collapseattributes

Flag to treat attributes as nested elements; optional,

default false. [Boolean]

file The XML file to parse; required. [File]

Flag to include the XML root tag as a first value in the keeproot

property name; optional, default is true. [Boolean]

prefix The prefix to prepend to each property. [String]

validate Flag to validate the XML file; optional, default false. [Boolean]

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<xmlvalidate> Checks whether XML files are valid (or only well formed).

Specify the class name of the SAX parser to be used. [String] classname Specify the classpath to be searched to load the parser classpath

(optional). [Path]

classpathref Where to find the parser class; optional. [Reference]

Specify how parser errors are to be handled; optional, default is failonerror

true. [Boolean]

file Specify the file to be checked; optional. [File]

lenient Specify whether the parser should be validating. [Boolean] Specify how parser error are to be handled. [Boolean] warn

No description. [Path] <classpath>

Creates a DTD location record; optional. <dtd> <fileset> Specifies a set of files to be checked. [Fileset] Adds an XMLCatalog as a nested element; optional. <xmlcatalog>

[XMLCatalog]

$\langle xslt \rangle^*$

Processes a set of XML documents via XSLT.

Base directory; optional, default is the project's basedir. [File] basedir

Optional classpath to the XSL processor. [Path] classpath

Reference to an optional classpath to the XSL processor. classpathref

[Reference]

destdir Destination directory into which the XSL result files should be

copied to; required, unless in and out are specified. [File]

Desired file extension to be used for the target; optional, default extension

is html. [String]

Sets whether to check dependencies, or always generate; force

optional, default is false. [Boolean]

Specifies a single XML document to be styled. [File] in Specifies the output name for the styled result from the out

in attribute; required if in is set. [File]

Name of the XSL processor to use; optional, default is trax. processor

scanincluded-Sets whether to style all files in the included directories as well;

directories optional, default is true. [Boolean]

Name of the stylesheet to use—given either relative to the style

project's basedir or as an absolute path; required. [String]

<classpath> Optional classpath to the XSL processor. [Path] <outputproperty> Specifies how you wish the result tree to be output.

<param> Creates an instance of an XSL parameter.

Adds the catalog to our internal catalog. [XMLCatalog] <xmlcatalog>



















<zip> * Creates a Zip file.

Directory from which to archive files; optional. [File] basedir

Sets whether to compress the files or only store them; optional, compress

default=true;. [Boolean]

destfile The file to create; required. [File]

duplicate Sets behavior for when a duplicate file is about to be added.

[add, preserve, fail]

Encoding to use for file names, defaults to the platform's default encoding

encoding. [String]

filesonly If true, emulates Sun's JAR utility by not adding parent

directories; optional, defaults to false. [Boolean]

If true, updates an existing file, otherwise overwrites update

any existing one; optional, defaults to false. [Boolean]

Sets behavior of the task when no files match. whenempty

[fail, skip, create]

<fileset> Adds a set of files. [Fileset]

Adds a set of files that can be read from an archive and be given <zipfileset>

a prefix/fullpath. [ZipFileset]

<zipgroup-

fileset>

