

The logo for AboutWeb features the word "AboutWeb" in a bold, italicized, dark blue sans-serif font. The text is centered and partially enclosed by a thick, orange circular arc that starts above the 'A' and ends below the 'b'.

AboutWeb

Ant Ain't Hard

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About Me

- Developing with ColdFusion since 4.0
- Using Ant for over 6 years
- Built Unofficial Updater 2 with Ant and Ant Installer
- Like consistency and lazy

What is Ant?

- **Another Neat Tool**
- It is a build tool
 - Others are Make, Maven, Gradle
- Inspired NAnt (C#), Phing (PHP)

Why Use Ant?

- Free and Open Source
- Well-known and widely supported
- Runs inside Integrated Development Environments
- Cross platform support
- Makes it easy to bring developers into a project
- Integrates testing into the build processes
- Enables continuous integration

Ant Versions

- First release Ant 1.1 on July 19, 2000
- Ant 1.7.1 (June 27, 2008)
 - Eclipse 3.5, CF Builder 2.0
- Ant 1.8.2 (December 27, 2010)
 - Eclipse 3.7, CF Builder 2.0.1
- Ant 1.8.3 just released February 29th

Installing Ant

- Download binaries from Apache
- Windows
 - [WinAnt](#)
- Mac OS X
 - Already installed, 10.6.8 has Ant 1.8.2
 - Doesn't have all dependency libraries installed for tasks
- Linux
 - Package managers depending upon distribution
 - `yum install ant`
 - `apt-get install ant ant-optional`
 - Might not be the latest version of Ant

Build Files

- Usually named *build.xml*
- Build file contains one project
- Project contains multiple targets
- Targets can depend upon other targets
- Targets contain tasks
- Tasks do the work

Similar to CFML

<property />

<target />

<import/> & <taskdef />

<copy /> <delete />, etc

<mkdir />

<echo />

<echoproperties />

<zip />

\${property}

<cfparam>

<cffunction>

<cfinclude>

<cffile>

<cfdirectory>

<cfoutput>

<cfdump>

<cfzip>

#variable#

Ant Contrib

- Adds several “missing” tasks to make it easier to write ant scripts
 - For, Foreach
 - If/Then/Else
 - Switch
 - Try/Catch
 - Variables

Source Code Management

- Built in task definitions for
 - CVS
 - ClearCase
 - Perforce
 - PVCS
 - Microsoft Visual Source Safe
- Additional task definitions for
 - Subversion
 - Git

Ant + Subversion

- Tasks provided by
 - SVNAnt
 - Latest version 1.3.1 for Subversion 1.6.x
 - Supports most svn commands
 - svntask
 - Latest version 1.0.8, appears defunct
- Better option is to use `<exec>` and svn command line client

Ant + Git

- Tasks provided by
 - JGit
 - Very limited support of Git commands
 - See [Mike Henke's blog post](#)
- Best option is to use `<exec>` and git command line client

Ant + Everything Else

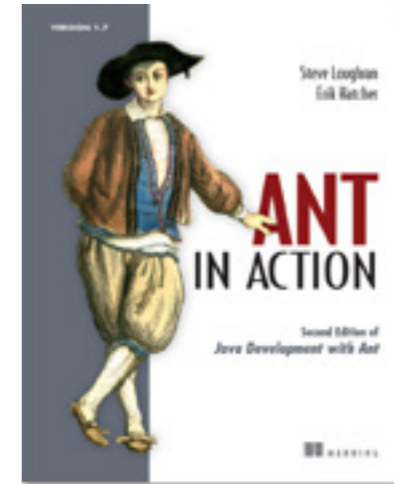
- Testing
 - MXUnit, CFCUnit, Selenium
- SQL / Databases
- JavaScript & CSS Compression
 - JSMIn, YUI Compressor
- ColdFusion
 - varscoper, queryparam, compile, Ant4CF
- Flex
- GUI and Packagers
 - Ant Installer, AntForm

Ant Installer

- Allows you to build GUI and text input around Ant with *antinstall-config.xml*
- Can package Ant and *build.xml* into runnable .JAR
- Unfortunately bit dated (2007) but is better than Antigen

Additional Resources

- Book
 - [Ant in Action](#)
- Internet
 - [Apache Ant Documentation](#)
 - [Jim Priest's Ant Wiki](#)
 - [Mike Henke's Blog](#)
 - And there is always [Google](#)



Q & A

Need to patch ColdFusion 8.0.1 or 9.0.1
Be sure to check out Unofficial Updater 2,
<http://unofficial.updater2.info>