

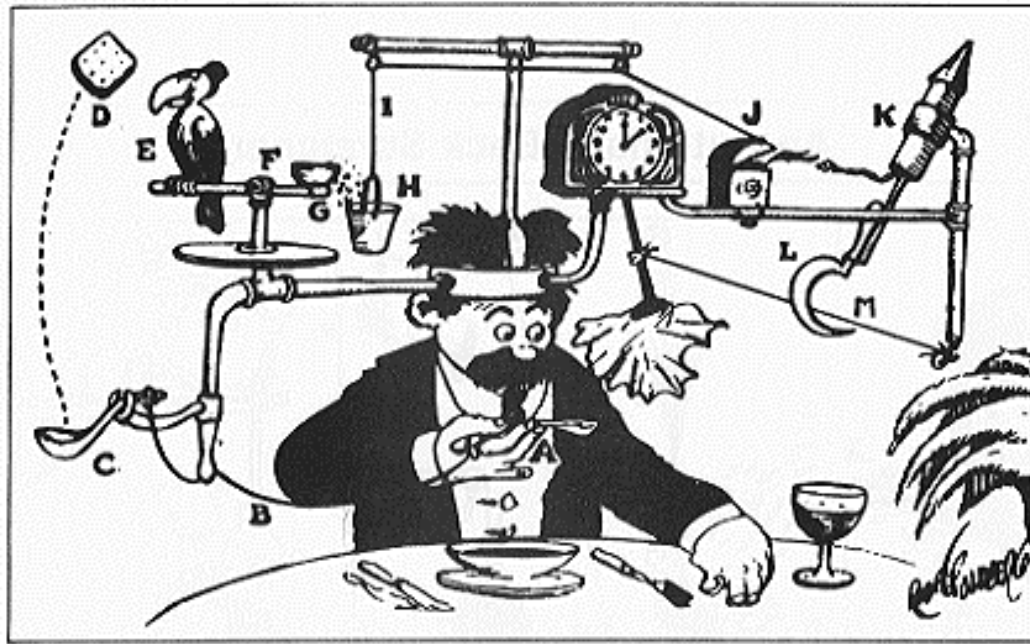
Apache Ant

Anant Pradhan
@blitheutopian

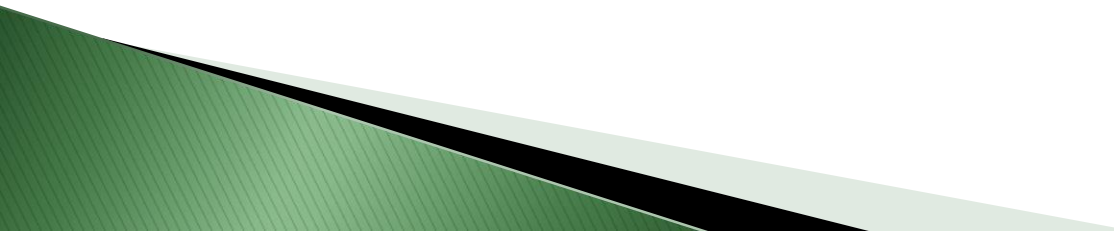
What is Ant?

“Another Neat Tool”

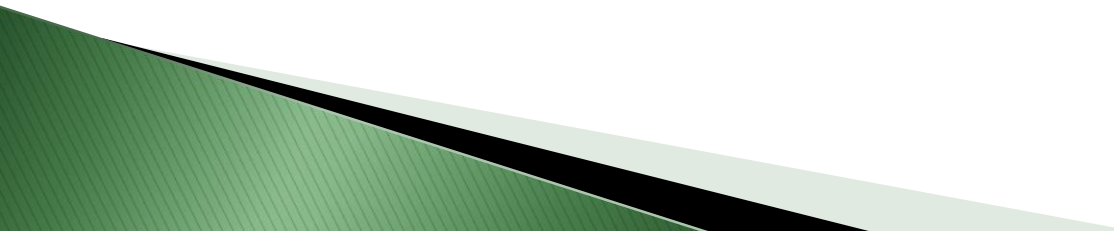
Java based build tool for automating software build processes. Open Source Apache project.



Features

- ▶ Platform neutral
 - ▶ Can perform platform specific tasks
 - ▶ Written using plain XML
 - ▶ Big list of predefined tasks
 - ▶ Interface to develop custom tasks
 - ▶ Integration with free and commercial IDEs
 - ▶ Great at automating complicated repetitive tasks
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Limitations

- ▶ Not a scripting language
 - ▶ Fairly verbose
 - ▶ Large projects can get unmanageable
 - ▶ Limited fault handling and no state persistence
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Syntax

- ▶ build.xml

- ▶ Target (task or function)

```
<target name="helloWorld" depends="helloHumans" >  
  <echo> Hello World! </echo>  
</target>
```

- ▶ Property (variable)

```
<property name="test_dir" value="tests" />  
<property name=" test_dir"> tests </property>
```

Ant Demo

- ▶ Setting up and running Ant “Hello World”
- ▶ Combining CSS/JS files
- ▶ Compressing CSS/JS files
- ▶ Uploading files via FTP

<http://ant.apache.org/manual/taskoverview.html>



References

- ▶ http://en.wikipedia.org/wiki/Apache_Ant
- ▶ http://www.tutorialspoint.com/ant/ant_quick_guide.htm
- ▶ <http://net.tutsplus.com/tutorials/other/automate-your-projects-with-apache-ant/>

Thank you

Questions?

Contact Info:

- anant100@gmail.com
- <http://anant5.com>
- @blitheutopian