



A ColdFusion, Flex & AIR Conference

# Automate Like a Rock Star!

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[MXUnit.org](http://MXUnit.org)

(You can download this presentation from **MXUnit.org**  
after the show)

CF

Fx

AIR

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[www.cfunited.com](http://www.cfunited.com)




# What this presentation is “About”





Are you in the  
right room?



Given a choice between spending an hour doing a task manually, or spending three hours writing a program to do it automatically... a geek will write the program, *every single time*. And, if not given the choice, if explicitly ordered to do the job manually, we'll disobey and write the program anyway.

--Catherine Devlin

<http://catherinedevlin.blogspot.com/2009/06/how-to-tell-geek.html>





# But...

# Why?

*We'll get to that later...*

# Personal Productivity

# Batch Files



- In Windows, these end with “.bat”
- They make calls to system commands and other executables
- They save time by reducing keystrokes and mouse clicks and by combining multiple commands into a single ‘action’

```
NET START "Macromedia JRun CFusion Server"  
NET START "Macromedia JRun Admin Server"
```

# Keyboard Launchers

- Keyboard launchers can start programs, bat files, etc
- Advanced launchers can simulate mouseclicks and keystrokes
- They save time by eliminating mouseclicks and significantly reducing keystrokes





This thing is  
killing you

# Code Snippets



- Most IDEs have a “snippet” or “macro” feature
- Pre-recorded snippets of commonly used code
- Often can ‘invoke’ with a key sequence
- Save time by reducing keystrokes, avoiding mistakes, and contending with ‘the memory problem’

If you type it more than once, put it in a snippet



# Systems

# Automation

# Apache ANT

(for moving, copying, zipping, starting, stopping, svn-ing,  
and lots of other -ings)

- Extremely powerful application for completely automating your build and deployment process
- Also very useful for routine file system and system command task automation
- You can execute ANT from the command line and bat files, which means you can schedule tasks easily
- Limited only by your imagination

# Apache JMeter

(for pounding on web pages)

- Start it with a bat file
- Create Test Plans with “Thread Groups”. These are http requests
- Control number of concurrent users and how many times they run
- Full-fledged load-testing application, but extremely useful as a simple tool for pounding on things
- Perfect for those situations where you wish you had 100 of you to click links



# Again...

## Why?



# Thanks!

**Marc Esher**

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Test

Be Happy

# Resources

In the Download of this presentation, you'll find examples where appropriate.

These are additional links:

## Batch Files:

Google it for a gazillion hits, but here are two useful ones:

<http://www.computerhope.com/msdos.htm>

<http://support.microsoft.com/kb/173529>

## Launchy:

<http://www.launchy.net/>

<http://blog.mxunit.org/search/label/launchy>

Other Key Launchers: <http://www.autohotkey.com/>,

FARR (<http://www.donationcoder.com/Software/Mouser/findrun/index.html>)

## Snippets:

<http://blog.mxunit.org/2009/04/timesavers-cfeclipse-snippets.html>

<http://blog.mxunit.org/2008/08/mxunit-102-now-available.html>

# Resources

## ANT

<http://ant.apache.org/>

[http://mxunit.org/doc/zip/DDT218\\_Automating%20the%20build-deploy%20process%20with%20ANT.zip](http://mxunit.org/doc/zip/DDT218_Automating%20the%20build-deploy%20process%20with%20ANT.zip) (a zip file with lots of ANT example files)

<http://www.thecrumb.com/wiki/ant>

<http://www.carehart.org/ugtv/list.cfm?search=ant>

<http://www.alagad.com/blog/post.cfm/ant4cf-released-andndash-run-build-files-remotely-and-interact-with-coldfusion-services-from-ant-scripts>

## JMeter

<http://jakarta.apache.org/jmeter/>

<http://alagad.com/blog/post.cfm/site-testing-with-apache-s-jakarta-jmeter>

<http://alagad.com/blog/post.cfm/apache-s-jmeter-part-ii-recording-a-test-script-with-the-proxy-component>

## General

[http://productiveprogrammer.com/wiki/index.php/Main\\_Page](http://productiveprogrammer.com/wiki/index.php/Main_Page)

[www.cfunitd.com](http://www.cfunitd.com)