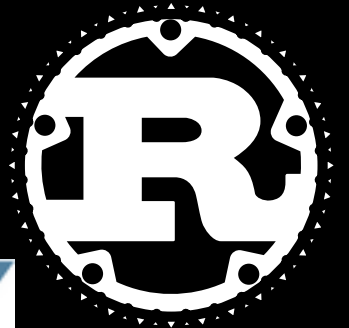
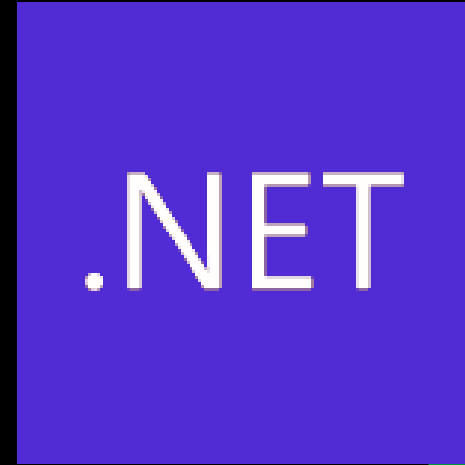


# We all use open source; learn how to give back

Andrew May, Senior Solutions Architect





# Open Source

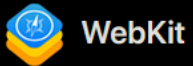
Open source software is at the heart of Apple platforms and developer tools, and Apple continues to contribute and release significant quantities of open source code.



Swift

Swift is a powerful and intuitive programming language designed to give developers the freedom and capability to create a new generation of cutting-edge apps. It's easy to learn and use and it's open source, so anyone with an idea can create something incredible.

[Visit Swift.org](https://swift.org)



WebKit



Microsoft

## Third-Party Notices – Microsoft Edge

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USA

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### Chromium

This product uses portions of Chromium.

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3:12

92%



## Third-party licenses

### Notices for file(s):

[/product/app/ModuleMetadataGoogle/ModuleMetadataGoogle.apk](#)

Notices for ModuleMetadataGoogle

Notices for file(s):

[/system/product/app/ModuleMetadataGoogle/ModuleMetadataGoogle.apk](#)

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See the License for the specific language governing permissions and  
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Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>

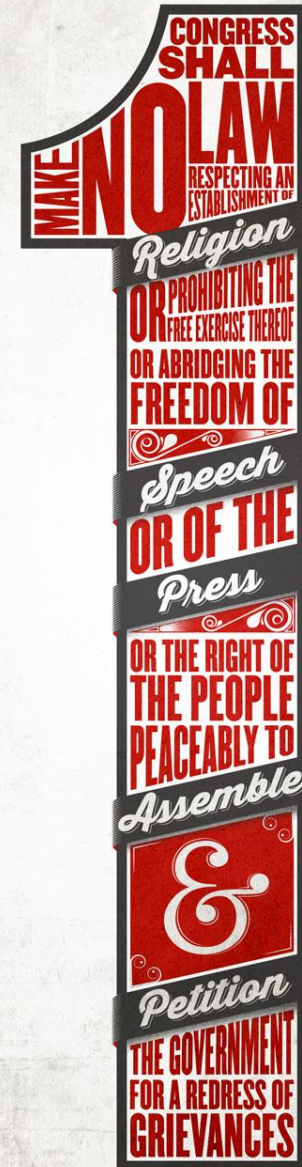
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

What is open source?

**FREE, AS IN**



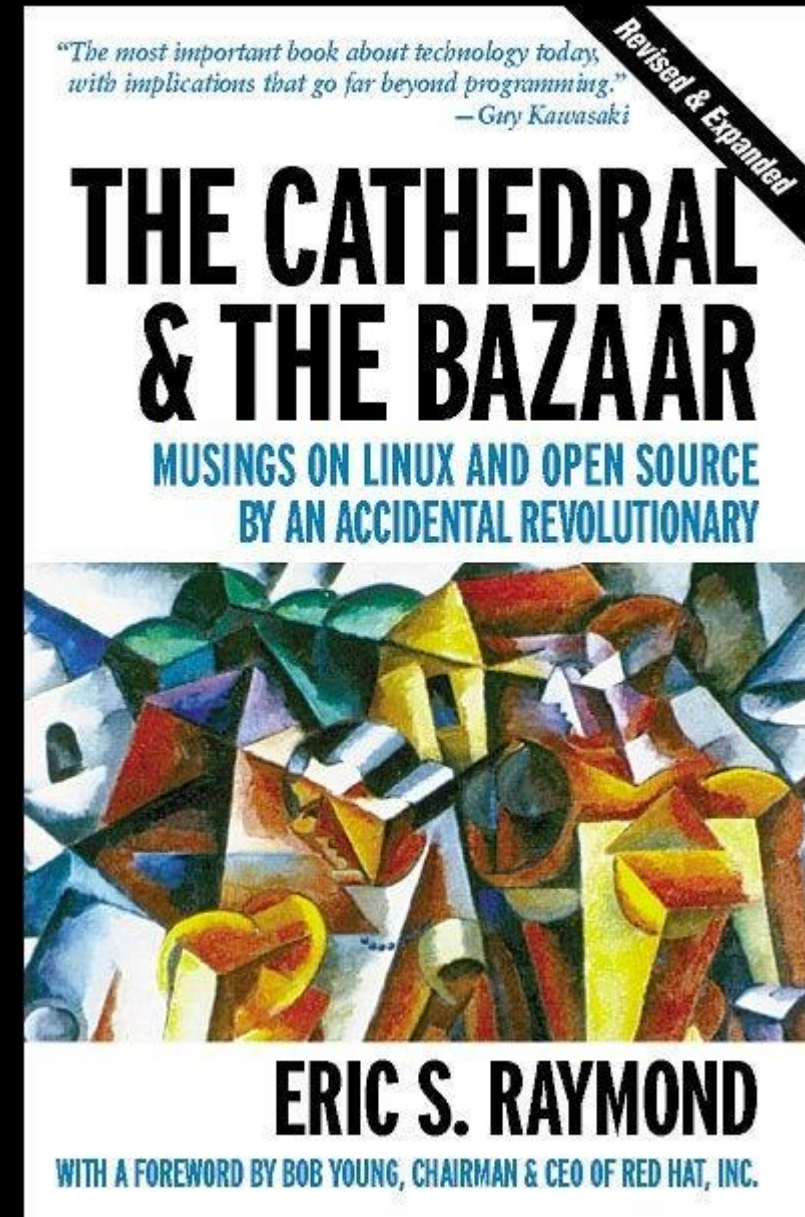
FREE, AS IN





# History of Open Source

- It's complicated

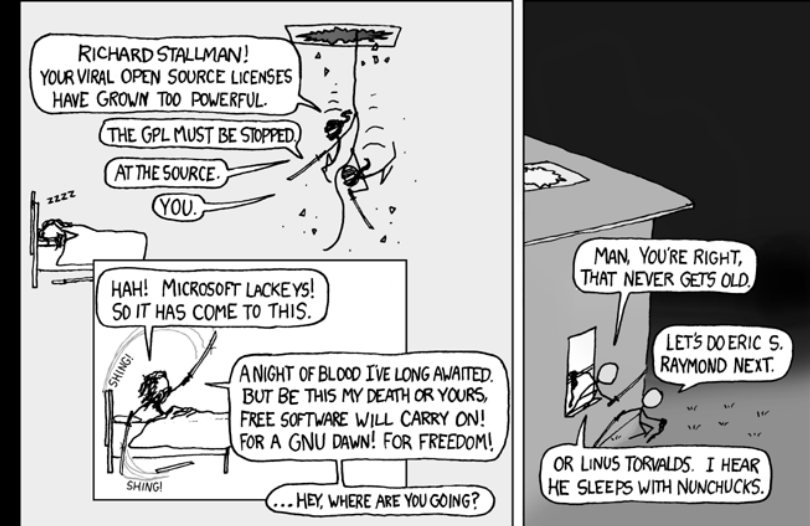


# Fear, Uncertainty and Doubt

Microsoft (2001):

*“(Open Source) a cancer that attaches itself in an intellectual property sense to everything it touches”*

Today:



<https://xkcd.com/225/>



# My open source journey



Mozilla  
Nightly Builds

Using open  
source tools

Submitting  
small changes

Bug reports


stackmanager

Evangelizing

# Types of contribution

**USE IT  
CONCIOUSLY**


# Document / Blog / Evangelize



The illustration features two cartoon squirrels wearing yellow hard hats with the AWS Lambda symbol. The squirrel on the left is labeled 'MEET SAM.' The squirrel on the right is part of a group of icons representing various AWS services (Lambda, S3, DynamoDB, etc.) arranged in a grid, with the text 'USE SAM TO BUILD TEMPLATES THAT DEFINE YOUR SERVERLESS APPLICATIONS.' below it.

MEET SAM.

USE SAM TO BUILD TEMPLATES THAT DEFINE YOUR SERVERLESS APPLICATIONS.

 **Andrew May** for Leading EDJE  
Posted on Jul 18, 2020 • Updated on Sep 20, 2020

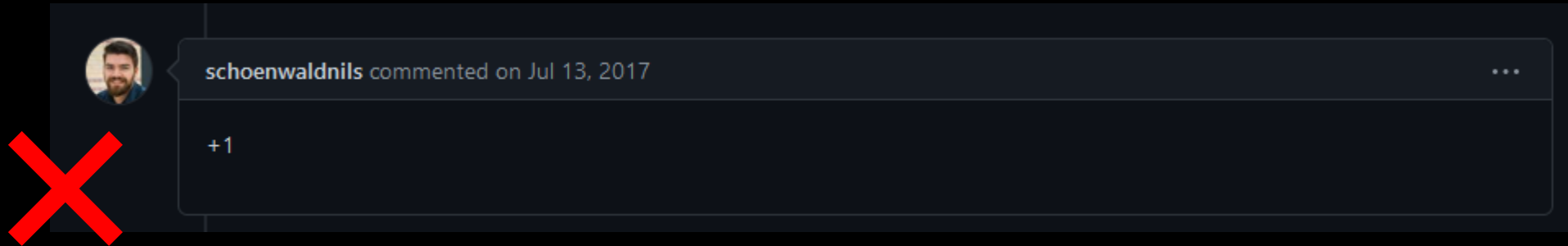
Edit Manage Stats

❤️ 6 🐼 4

## Using the AWS Serverless Application Model (SAM)

#aws #cloud serverless

# +1 (in the right place!)



# Bug reports

## Support ion-python 0.7.0 for IonToJSONEncoder support #39



Closed

andrewdmay opened this issue on Jan 12, 2021 · 3 comments



andrewdmay commented on Jan 12, 2021



I'm working on a simple application based upon QLDB in python, and my clients are used to accepting JSON rather than ION. Currently it's not possible to use this driver and the IonToJSONEncoder support in ion-python, so I either have to manually down-convert, or the clients will have to understand ION responses.



I'm not familiar enough with the projects to say for sure, but the list of changes for 0.6.0 and 0.7.0 of ion-python are pretty small, so it seems unlikely that it would break anything.








# One-off bugfix or enhancement


## Issue #8 - add @EQUALS that generates = or IS NULL #9

 Merged jodastephen merged 3 commits into `OpenGamma:master` from `andrewdmay:issue-8-null-param`  on Nov 26, 2014

 Conversation 3

 Commits 3

 Checks 0

 Files changed 6



andrewdmay commented on Nov 6, 2014

Contributor



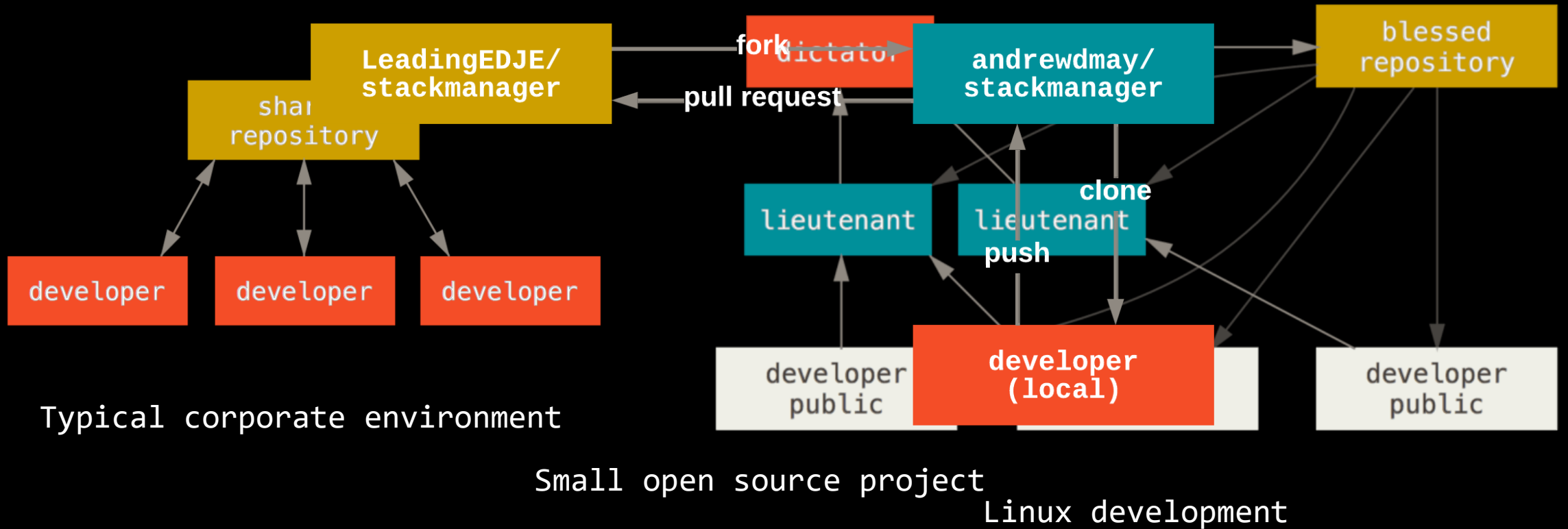
Adds an `@EQUALS/@ENDEQUALS` pair similar to `@LIKE/@ENDLIKE` that determines whether to use the '=' operator or 'IS NULL' depending upon the value of the bound variable in the parameter source.

Also added null handling to `@LIKE` to output 'IS NULL' if the bound variable is null.

Because of the similarities between like and equals, created an `OperatorSqlFragment` superclass that reduces the code duplication in the fragment classes and the parser.



(aside about git/DVCS)





Google Summer of Code




# #hackathons



# Become a regular contributor




# New project

 **LeadingEDJE / stackmanager** Public

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[master](#) [1 branch](#) [20 tags](#) [Go to file](#) [Add file](#) [Code](#)

 **andrewdmay** Merge pull request [#76](#) from LeadingEDJE/75-update-actions [...](#) ✓ b742f07 on Dec 13, 2022 🕒 95 commits

📁 .github/workflows	Closes <a href="#">#75</a> - Updated checkout/setup-python actions and Python to 3.9	3 months ago
📁 integration	Bump Newtonsoft.Json in /integration/functions/dotnet/src/HelloWorld	9 months ago
📁 stackmanager	Updating aws-lambda-builders and adding support for nodejs18.x	3 months ago
📁 tests	Closes <a href="#">#67</a> - Add support for Import statuses	8 months ago
📄 .flake8	<a href="#">#20</a> - Add flake8 and fix some formatting	3 years ago
📄 .gitignore	Initial working version	3 years ago
📄 Dockerfile	Closes <a href="#">#53</a> - Add major/minor/latest tags when building image. Include...	2 years ago
📄 LICENSE	Initial commit	3 years ago
📄 Pipfile	Updating aws-lambda-builders and adding support for nodejs18.x	3 months ago

## About

Utility for managing Cloudformation stacks

- 📖 Readme
- 📄 MIT license
- ★ 9 stars
- 👁 7 watching
- 🔗 1 fork

---

## Releases 18

📦 **1.4.1** Latest  
on Dec 13, 2022

[+ 17 releases](#)

# Things to consider

- How is this project different?
- Are you going to maintain this?
- How can others contribute?
- What happens when you lose interest?



# Licenses explained

*IANAL*

# What makes a license “open source”?



OSI maintains the  
Open Source Definition

OSD goes beyond source:

*9. License Must Not  
Restrict Other Software*

## Copyleft

“Viral” with conditions on derived works and source code distribution

- GNU Public License (+AGPL/LGPL)
- Eclipse Public License
- Mozilla Public License

## Permissive

Do what you like with the code with few limitations

- Apache License
- MIT License
- BSD License (various)

## Public Domain / Unlicense

Do what you like with no limitations and no copyright

# Using open source at work

~~Copyright~~

Companies fear the GPL

Know which licenses you are using, and which your company allows

Check before you contribute

*Who owns the code?*

*"We'll need to talk to the lawyers"*

*Do you want to maintain this?*

Commercial  
open source



# Linux Foundation & Contributors



HITACHI



## Most active 5.10 employers

### By changesets

Huawei Technologies	1434	8.9%
Intel	1297	8.0%
(Unknown)	1075	6.6%
(None)	954	5.9%
Red Hat	915	5.7%
Google	848	5.2%
AMD	698	4.3%
Linaro	670	4.1%
Samsung	570	3.5%
IBM	521	3.2%
NXP Semiconductors	439	2.7%
Facebook	422	2.6%
Oracle	414	2.6%
SUSE	410	2.5%
(Consultant)	404	2.5%
Code Aurora Forum	313	1.9%
Arm	307	1.9%
Renesas Electronics	283	1.7%
NVIDIA	262	1.6%
Texas Instruments	218	1.3%

### By lines changed

Intel	96976	12.6%
Huawei Technologies	41049	5.3%
(Unknown)	40948	5.3%
Google	39160	5.1%
NXP Semiconductors	35898	4.7%
(None)	30998	4.0%
Red Hat	30467	3.9%
Code Aurora Forum	29615	3.8%
Linaro	29384	3.8%
Facebook	27479	3.6%
BayLibre	24159	3.1%
AMD	23343	3.0%
(Consultant)	19905	2.6%
IBM	18312	2.4%
MediaTek	15893	2.1%
Arm	13390	1.7%
Texas Instruments	11814	1.5%
SUSE	11063	1.4%
Oracle	10542	1.4%
NVIDIA	10481	1.4%



Jenkins  
(2011)

# Server Side Public License



elastic

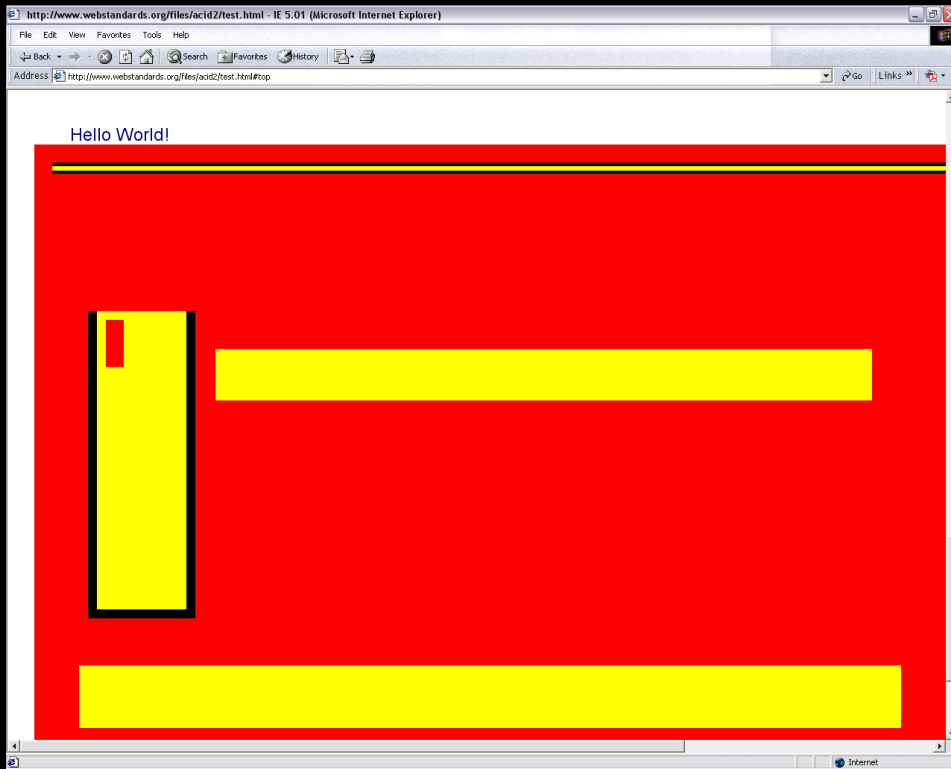
vs



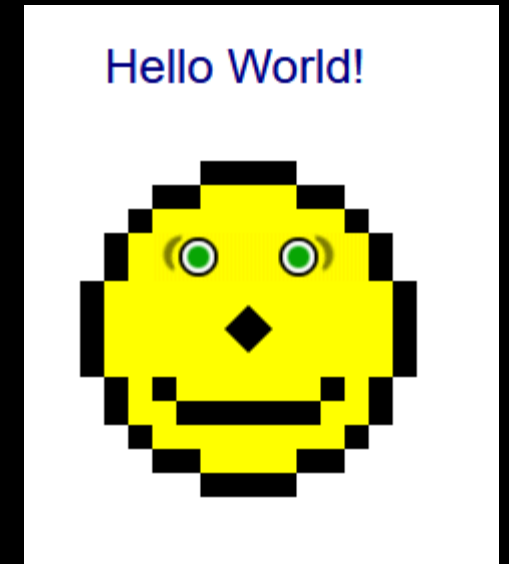
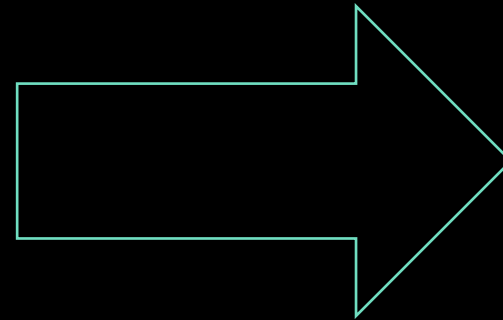
A close-up photograph of a pile of dried rose petals. The petals are in various shades of pink, from light pink to deep magenta, and many have turned a brownish-gold color due to drying. The texture is crinkled and layered. The background is dark and out of focus.

**IT'S NOT ALL A  
BED OF ROSES  
BUT...**

# OPEN SOURCE CAN CHANGE THE WORLD



IE5 (1999)



Firefox 3  
& any modern  
browser

Questions?