Managing Complexity with Module::Release

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Releasing code is hard...

actually, it's
too easy...

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Releasing good code is hard...

Did I ... ?

* **test** everything

* **disttest** everything

* **check in** the sources

* include **new files** in MANIFEST

* **update** Changes and README

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Then I have to...

* **upload** to PAUSE

* **claim** in PAUSE

* upload to Sourceforge

* overly-complicated Sourceforge file release

* **tag** the release in source control

* **announce** the release

When I find out...

* what the **PAUSE indexer** thinks
* what **CPAN Testers** think
* if I'm **missing** something in **PREREQ_PM**
* if I've included too little or too much
* how poor my **kwalitee** is

Rinse, repeat...

I make mistakes because...

* Repetitive tasks are **boring**

* **Focused** on bug squashing

* Want to **release** code

* Need to fix a **different** module

* Want to do **something** else

* Want to do **anything** else

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Automate!

Computers love...

* doing the same thing **over** and **over**(?: and **over**)+

* doing it the **same way** every time

* doing it **again** if I mess up

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release(1)

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Automate steps

```perl
sub test
    {
    my $self = shift;
    print "Checking make test... ";

    unless( -e 'Makefile.PL' )
        {
          print " no Makefile.PL---skipping\n";
          return;
        }

    my $tests = $self->run( "$self->{make} test 2>&1" );

    die "\nERROR: Tests failed!\n$tests\n\n"
            unless $tests =~ /All tests successful/;

    print "all tests pass\n";
    }
```

Create process

```
my $release = Module::Release->new( %params );

$release->clean;
$release->build_makefile;
$release->test;
$release->dist;
$release->dist_test;
$release->check_cvs;
$release->clean;
$release->build_makefile;
$release->dist;

$release->check_for_passwords;
$release->ftp_upload;
$release->pause_claim;
```

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Fearless releases

* Problems are fatal

* Errors tell me what to fix

* Nothing updates until everything is good

* Too bad there isn't unrelease(1)

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Future directions

* **Pluggable** modules

* Support for **more checks**

* Not just for Perl

* More **canned scripts**

* working title: Starburst

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