Evolving Software with Moose

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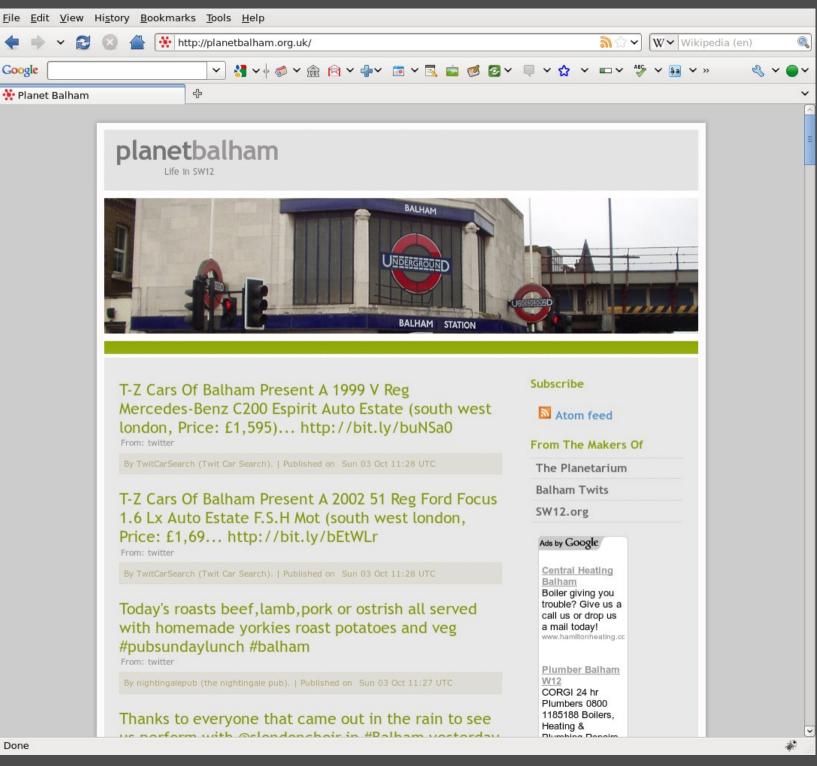@davorg

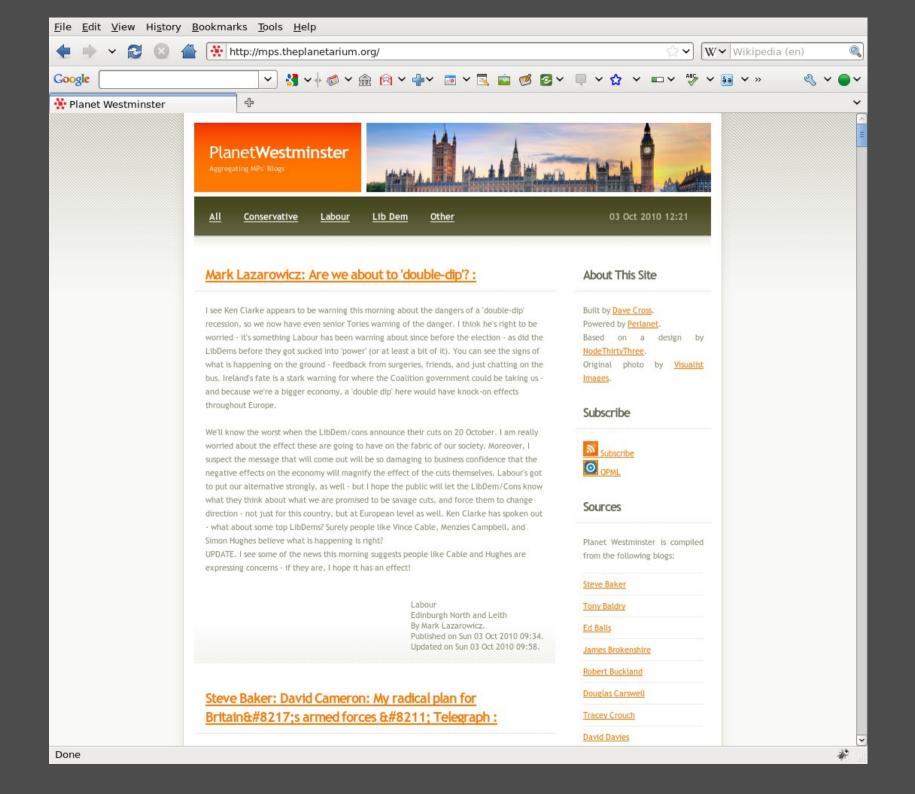# Perlanet

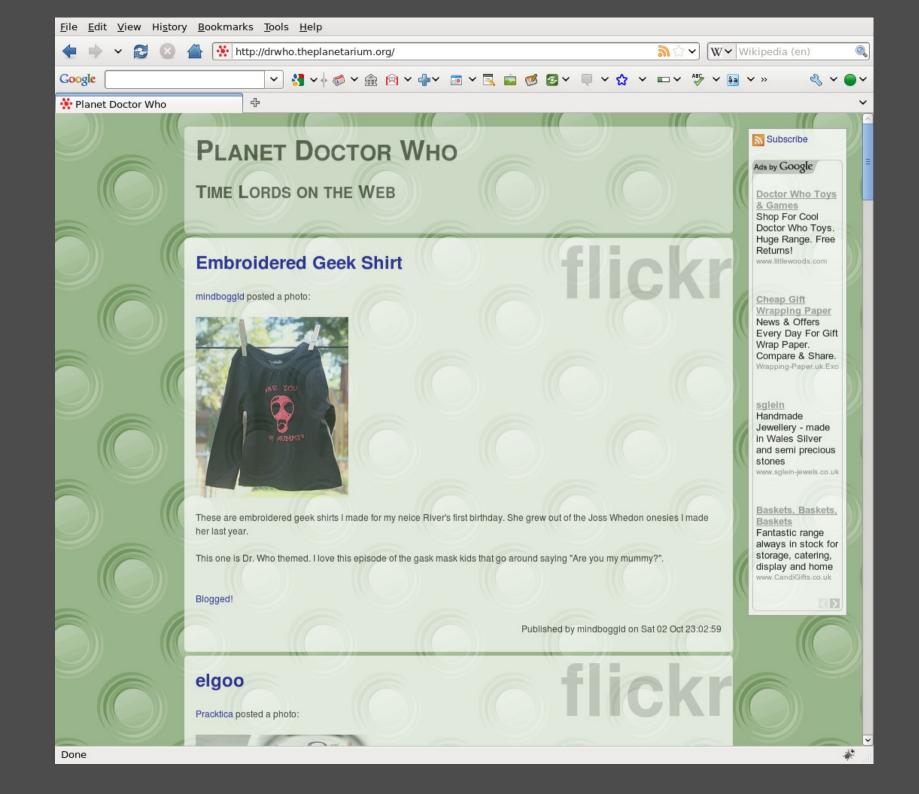# Perl + Planet

Web Feed Aggregation

Input:
Lots of web feeds

Output:
Web page
+ web feed

planetbalham

Life in SW12

T-Z Cars Of Balham Present A 1999 V Reg Mercedes-Benz C200 Espirit Auto Estate (south west london, Price: £1,595)... http://bit.ly/buNSa0

From: twitter

By TwitCarSearch (Twit Car Search). | Published on Sun 03 Oct 11:28 UTC

T-Z Cars Of Balham Present A 2002 51 Reg Ford Focus 1.6 Lx Auto Estate F.S.H Mot (south west london, Price: £1,69... http://bit.ly/bEtWLr

From: twitter

By TwitCarSearch (Twit Car Search). | Published on Sun 03 Oct 11:28 UTC

Today's roasts beef,lamb,pork or ostrish all served with homemade yorkies roast potatoes and veg #pubsundaylunch #balham

From: twitter

By nightingalepub (the nightingale pub). | Published on Sun 03 Oct 11:27 UTC

Thanks to everyone that came out in the rain to see us perform with @slendersheir in #Balham yesterday

Subscribe

From The Makers Of

The Planetarium

Balham Twits

SW12.org

Done

PlanetWestminster

Aggregating MPs' Blogs

All   Conservative   Labour   Lib Dem   Other   03 Oct 2010 12:21

Mark Lazarowicz: Are we about to 'double-dip'? :

I see Ken Clarke appears to be warning this morning about the dangers of a 'double-dip'
recession, so we now have even senior Tories warning of the danger. I think he's right to be
worried - it's something Labour has been warning about since before the election - as did the
LibDems before they got sucked into 'power' (or at least a bit of it). You can see the signs of
what is happening on the ground - feedback from surgeries, friends, and just chatting on the
bus. Ireland's fate is a stark warning for where the Coalition government could be taking us -
and because we're a bigger economy, a 'double dip' here would have knock-on effects
throughout Europe.

We'll know the worst when the LibDem/cons announce their cuts on 20 October. I am really
worried about the effect these are going to have on the fabric of our society. Moreover, I
suspect the message that will come out will be so damaging to business confidence that the
negative effects on the economy will magnify the effect of the cuts themselves. Labour's got
to put our alternative strongly, as well - but I hope the public will let the LibDem/Cons know
what they think about what we are promised to be savage cuts, and force them to change
direction - not just for this country, but at European level as well. Ken Clarke has spoken out
- what about some top LibDems? Surely people like Vince Cable, Menzies Campbell, and
Simon Hughes believe what is happening is right?
UPDATE. I see some of the news this morning suggests people like Cable and Hughes are
expressing concerns - if they are, I hope it has an effect!

Labour
Edinburgh North and Leith
By Mark Lazarowicz.
Published on Sun 03 Oct 2010 09:34.
Updated on Sun 03 Oct 2010 09:58.

Steve Baker: David Cameron: My radical plan for
Britain’s armed forces – Telegraph :

About This Site

Built by Dave Cross.
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Based on a design by
NodeThirtyThree.
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Images.

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Sources

Planet Westminster is compiled
from the following blogs:

Steve Baker

Tony Baldry

Ed Balls

James Brokenshire

Robert Buckland

Douglas Carswell

Tracey Crouch

David Davies

Done

PLANET DOCTOR WHO

TIME LORDS ON THE WEB

Embroidered Geek Shirt

mindboggld posted a photo:

These are embroidered geek shirts I made for my neice River's first birthday. She grew out of the Joss Whedon onesies I made her last year.

This one is Dr. Who themed. I love this episode of the gask mask kids that go around saying "Are you my mummy?".

Blogged!

Published by mindboggld on Sat 02 Oct 23:02:59

elgoo

Pracktica posted a photo:

Done

Scratching an itch

Wrote it for me

CPAN

github

A few bug fixes

A few enhancements

Perl Ironman

Using Plagger

Wanted to use Perlanet

Didn't scale well

YAML config

NWE.pm Hackday

Enter the Moose

Slash and burn

More easily subclassable

Monolithic
vs
Overridable

HTML::Scrubber

```perl
# deep in the 'run' subroutine
my %scrub_rules = (
  # stuff
);

my %scrub_def = (
  # more stuff
)

my $scrub = HTML::Scrubber->new;
$scrub->rules(%scrub_rules);
$scrub->default(1, \%scrub_def);
```

Overriding this is hard

```perl
has 'scrubber' => (
  is         => 'rw',
  lazy_build => 1
);

sub _build_scrubber {
  my $self = shift;

  # all that previous stuff

  return $scrub;
}
```

Overriding this is easy

Repeat
half a dozen
times

YAML config

~~YAML~~ config

DB config

Better scaling

Phase 1 complete

Almost

Need better tests

Release early
Release often

Phase 2

Traits

Moose has traits and roles

Difference is subtle

Implementation looks similar

I didn't know the difference

Role is like an interface

Defines methods that class MUST implement

```perl
package ARole;

use Moose::Role;

requires 'do_stuff';

1;
```

```perl
package AClass;

use Moose;

with 'ARole';

has name => (
  is => 'rw',
  isa => 'Str',
);

1;
```

```perl
#!/usr/bin/perl

use strict;
use warnings;
use AClass;

my $obj = Aclass->new({
  name => 'davorg',
});
```

```
$ ./role_demo
'ARole' requires the method 'do_stuff' to be
implemented by 'AClass'
... other scary stuff ...
```

Need to implement method

```perl
package AClass;

use Moose;

with 'ARole';

has name => (
  is => 'rw',
  isa => 'Str',
);

sub do_stuff {
  my $self = shift;

  print $self->name, " does stuff\n";
}

1;
```

Roles impose an interface

(We don't use those in Perlanet)

Traits add functionality

Like a mixin

Remember HTML::Scrubber?

```perl
package Perlanet::Trait::Scrubber;

use Moose::Role; # yes really – hold that thought

use HTML::Scrubber;

has scrubber => (
  is => 'rw',
  lazy_build => 1,
);

sub _build_scrubber {
  # all that stuff from before

  return $scrub;
}
```

```perl
package Perlanet::Trait::Scrubber;

use Moose::Role; # yes really – hold that thought

use HTML::Scrubber;

has scrubber => (
  is => 'rw',
  lazy_build => 1,
);

sub _build_scrubber {
  # all that stuff from before

  return $scrub;
}
```

```perl
around 'clean_html' => sub {
  my $orig = shift;
  my ($self, $html) = @_;
  $html = $self->orig($html);
  $self->scrubber->scrub($html);
  return $html;
}

1;
```

Perlanet.pm has clean_html method

But it does nothing until traits are added

Perlanet is now a hollow shell of a module

All the fun stuff
is in traits

Perlanet::Simple

```perl
package Perlanet::Simple;

use Moose;

extends 'Perlanet';
with qw(
  Perlanet::Trait::Cache
  Perlanet::Trait::OPML
  Perlanet::Trait::Scrubber
  Perlanet::Trait::Tidy
  Perlanet::Trait::YAMLConfig
  Perlanet::Trait::TemplateToolkit
  Perlanet::Trait::FeedFile
);
```

Moose::Role

Used in both roles and traits

This is Perl

Difference is not clear-cut

Roles and traits are the same thing

Depends where the code is

All based on Moose::Role

Perlanet now trait-based

Easy to add functionality

Perlanet trait ecosystem

And I learned about Moose roles and traits

(And now,
so have you)

http://search.cpan.org/dist/Perlanet
http://theplanetarium.org/
http://perlanet.mag-sol.com/

http://moose.perl.org/