



AUX

Modernizing the News

The Washington Post

Chris Nguyen
@uncompiled



The Washington Post.

WASHINGTON, THURSDAY MORNING, DECEMBER 6, 1877.

December 6, 1877
First copy had 4 pages and cost 3 cents

<https://www.washingtonpost.com/apps/g/page/national/washington-post-co-timeline/374/>

Wed., June 19
Last update:
2:16 p.m.

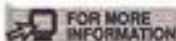


front page:
the print edition

Build a personal portfolio
in [Business](#)

News and weather from
your home state in
[National](#)

Search the Movies
database in [Style](#)



FOR MORE
INFORMATION
If you saw this symbol
in the printed Post
[Click Here](#)

Search two Sundays of
help wanted ads in
[CareerPost](#)

The Washington Post

washingtonpost.com

Main Sections

Go

Welcome to WashingtonPost.com!

Please read our welcome letter if you're [new to our site](#). You may find that some pages take longer to download than you expected, but we hope you'll bear with us as we weather heavy traffic on our first day.



A LONG BALL NIGHT

Orel's pitcher Kent Mercker tossed the rock bag in frustration after one of the few home runs he allowed in a 7-0 loss to the Expos last night. For the full story, see [Expos](#). (AP Photo)

Clinton Will Take Steps To Battle Church Fires

President Clinton will meet with Southern governors later today to outline measures to help stifle the [push of fires](#) set to predominantly black churches in the region. Clinton is expected to announce extra funding for the Bureau of Alcohol, Tobacco and Firearms.

Report: Valujet Subcontractor Filed False Safety Check

Two mechanics hired by a Valujet subcontractor filed [false records](#) on oxygen generators believed to have played a part in the Everglades crash, the Miami Herald reported today.

Today's Top News: Clinton Friend Unindicted Co-conspirator ... Dow Up in Mid-afternoon ... Europe to End 'Mad Cow' Ban

Curious About Cameroon?

Wondering about West Africa? Look up news, reference information and Web links on more than 200 countries and territories in [Search the](#)



If you live or play in the Washington area, visit [Washington World](#) for community news, tips on hot nightclubs, online resources for federal workers, movie showtimes and more.

Len Bias Tragedy: 10 Years Later

It was 10 years ago today that University of Maryland

1996

Welcome to WashingtonPost.com

<http://www.snd.org/2016/07/jim-brady-on-launching-the-washingtonpost-com-and-why-the-web-excites-him-20-years-later/>



PEPSI WORLD

WHAT'S NEW

CHECK OUT
THE MICROSOFT
CONNECTION!

Full of magic
and surprise...

PEPSI HOLIDAY '99



APPLICATIONS
NEEDED

ENTER

WARNING: IF TRAVELING AT SPEEDS LESS
THAN 28.8 Kbps THEN JUMP ON THE LOW ROAD

LR



If you have the Shockwave plug-in - [CLICK HERE](#)

```
<IMG SRC="/1x1.gif" WIDTH=1 HEIGHT=250>
```

"1x1.gif should have won a ... Grammy. Or a Pulitzer. Or *Most Improved, Third Grade Gym Class* or something.

It's the most important achievement in computer science since the linked list."

@holman

Get up to 86% off home delivery

Give The Post

The Washington Post

Democracy Dies in Darkness

Give the gift of knowledge

Give The Post

June 3, 2017 Edition: U.S. & World | Regional

82° Washington, D.C.

In the News 'Drug tourists' Protest violence Snake video Poisonous mushroom Putin Gregg Allman Kathy Griffin Ariana Grande 'Wonder Woman' Champions League

Nunes-led intelligence panel sought to 'unmask' Americans

Rep. Devin Nunes, who leads the GOP-controlled committee, wanted to reveal the names of several U.S. individuals or organizations in classified intelligence on Russian meddling in the election, according to U.S. spy agencies. That same practice was cast by President Trump as an abuse of powers by the Obama administration.

By Adam Entous and Ellen Nakashima

• **The Fix: Congress can't decide if the big story is 'unmasking' or the Trump-Russia connections**

Privatizing air-traffic control will be focus of Trump's 'infrastructure week'

The president plans events in D.C. and beyond to highlight a key piece of his agenda, including spurring a \$1 trillion investment in roads, bridges and waterways.

By John Wagner • 1 hour ago

Nikki Haley: 'President' Trump believes the climate is changing'

The U.N. ambassador, directly addressing the question of whether Trump still thinks climate change is "a hoax" on



Jakob Norheim and Sarah Morris measure a tree.

Their parents doubt global warming. A science teacher wants their kids to see the proof around them.

Idaho's 2014 teacher of the year, who helped establish a year-long outdoor studies program, prods students to investigate and reach their own conclusions about human impact on the environment.

Story by Sarah Kaplan | Photos by Rajen Bose

Bill Maher says he is 'very sorry' after uproar over his use of a racial slur on his show

The "Real Time" host's apology came hours after HBO aired his interview with Sen. Ben Sasse, who invited Maher to



SEE HOW AUTOMATION IS MAKING JOBSITES EXPONENTIALLY MORE EFFICIENT

CAT

LEARN MORE >

Washington Post content selected by Caterpillar



1 This device pulls drinking water straight out of the air — and it runs entirely on the sun's energy



2 Jeff Bezos shows off the crew capsule that could soon take tourists to space



3 How to build your own moonshot lab, according to Astro Teiler

CAT

Video



Personalization

The Washington Post

Quizzes

June 3, 2017 Edition: U.S. & World | National

Democracy Dies in Darkness

83° Washington, D.C. ▾

In the News 'Drug tourists' Protest violence Snake video Poisonous mushroom Putin Gregg Allman Kathy Griffin Ariana Grande 'Wonder Woman' Champions League

A/B Testing

Rep. Devin Nunes, who leads the GOP-controlled committee, wanted to reveal the names of several U.S. individuals or organizations in classified intelligence on Russian meddling in the election, according to U.S. spy agencies. That same practice was cast by President Trump as an abuse of powers by the Obama administration.

By Adam Entous and Ellen Nakashima

Video

ENVIRONMENTAL control will be focus of Trump's 'infrastructure week'

The president plans events in D.C. and beyond to highlight a key piece of his agenda, including spurring a \$1 trillion investment in roads, bridges and waterways.

By John Wagner • 1 hour ago

Live Blogs

addressing the question of whether Trump still thinks climate change is "a hoax" on

<https://www.washingtonpost.com/national/>

Jakob Norheim and Sarah Morris measure a tree.

Comments

Their parents doubt global

Real User Monitoring

Idaho's 2014 teacher of the year, who helped establish a year-long outdoor studies program, prods students to investigate and reach their own conclusions about human impact on the environment.

Story by Sarah Kaplan | Photos by Rajen Bose

Bill Maher says he is 'very sorry' after uproar over his use of a racial slur on his show

The "Real Time" host's apology came hours after HBO aired his interview with Sen. Ben Sasse, who invited Maher to



Push Notifications

EXPONENTIALLY MORE EFFICIENT

LEARN MORE >



1 This device pulls drinking water straight out of the air — and it runs entirely on the sun's energy



3 How to build your own moonshot lab, according to Astro Teller

Most Read

Video







Houston we have a problem

Try All The Things

- Release new features
- Experiment
- Iterate



Taming the Legacy System



Dilbert.com @ScottAdamsSays



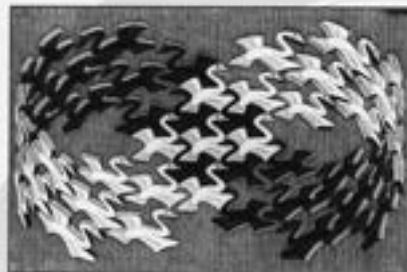
3-22-17 © 2017 Scott Adams, Inc. Titled by Andrews McMeel



Design Patterns

Elements of Reusable Object-Oriented Software

Erich Gamma
Richard Helm
Ralph Johnson
John Vlissides



Cover art © 1994 M.C. Escher / Cordon Art - Baarn - Holland. All rights reserved.

Foreword by Grady Booch

ADDISON-WESLEY PROFESSIONAL COMPUTING SERIES



Adapter Pattern

- Allows two incompatible interfaces to work together
- Used to make existing classes work with others without modifying their source code

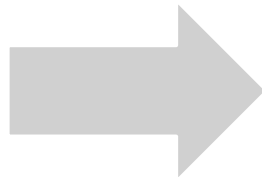


Adapter Pattern

"If it walks like a duck and quacks like a duck, then it's probably a ~~duck~~ cat wrapped with a duck interface."



Decouple Model & View



Goals

1. **Decouple** front-end developers from CMS
2. **Reduce footprint** of the legacy CMS

Production Readiness (?)

GO REPLAY

<https://goreplay.org/>

We just released a new version, see announcement

<https://leonsbox.com/goreplay-v0-16-and-4th-anniversary-5408b1fd72e0>

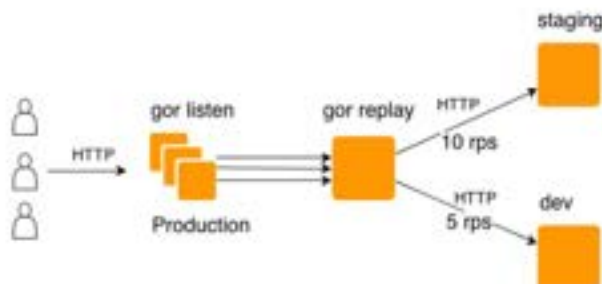
About

GoReplay is the simplest and safest way to test your app using real traffic before you put it into production.

As your application grows, the effort required to test it also grows exponentially. GoReplay offers you the simple idea of reusing your existing traffic for testing, which makes it incredibly powerful. Our state of art technique allows to analyze and record your application traffic without affecting it. This eliminates the risks that come with putting a third party component in the critical path.

GoReplay increases your confidence in code deployments, configuration changes and infrastructure changes. Did we mention that no coding is required?

Here is basic workflow: The listener server catches http traffic and sends it to the replay server or saves to file. The replay server forwards traffic to a given address.



Production

Canary



listen



replay



Status

200

should ==

200

Response

<html>...

should ==

<html>...

Latency

500ms

should >

250ms

Strangling the Monolith



"Gradually create a new system around the edges of the old, letting it grow slowly over several years until the old system is strangled."

Reverse Proxy to the Rescue



/sports/



/(.*)



Crouching Microservice, Hidden Monolith



/(.*)

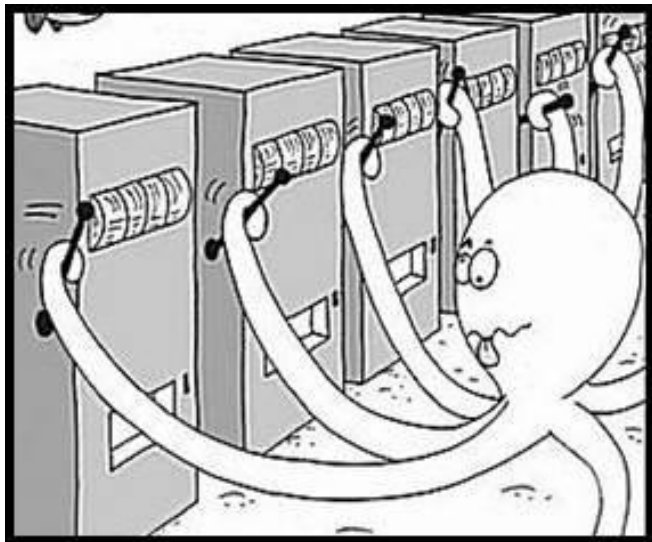




<https://www.washingtonpost.com/sports/>



Multi-Armed Bandit



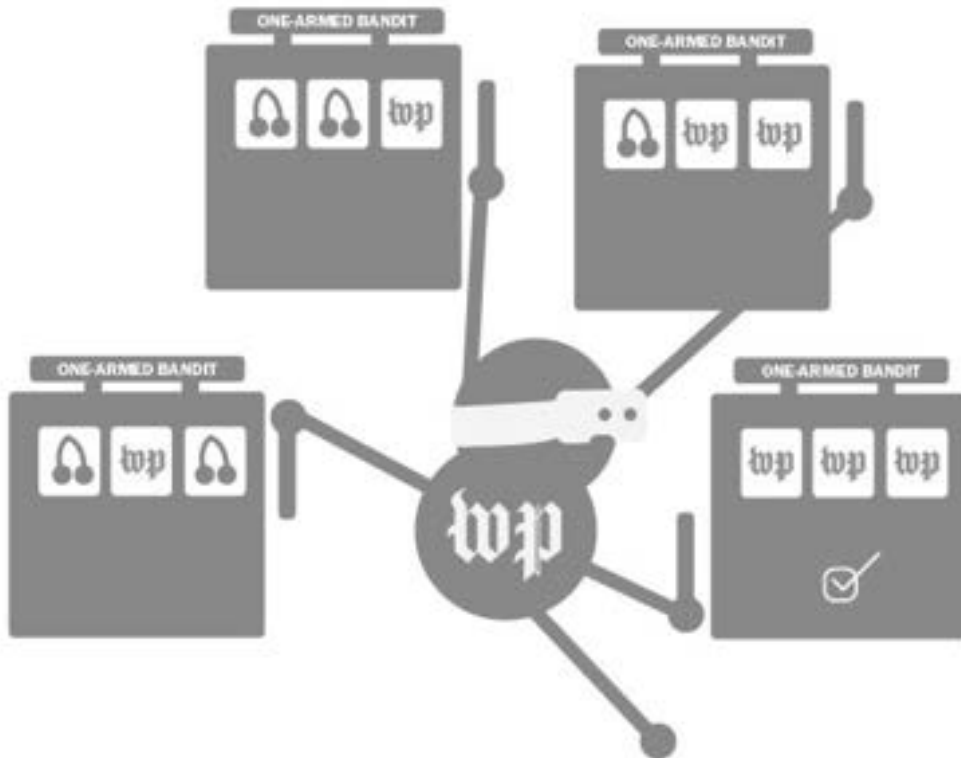
Phases

- Exploration
- Exploitation

Goal

- Maximize reward

Multi-Armed Bandit



Why Marie Kondo's life-changing magic doesn't work for parents

The celebrity organizer had her first baby in July, and I'd be willing to bet even she has slipped once or twice since

By Tanya C. Snyder · **On Parenting**

CTR: 3.3%



The real reasons Marie Kondo's life-changing magic doesn't work for parents

The celebrity organizer had her first baby in July, and I'd be willing to bet even she has slipped once or twice since

By Tanya C. Snyder · **On Parenting**

CTR: 3.9%

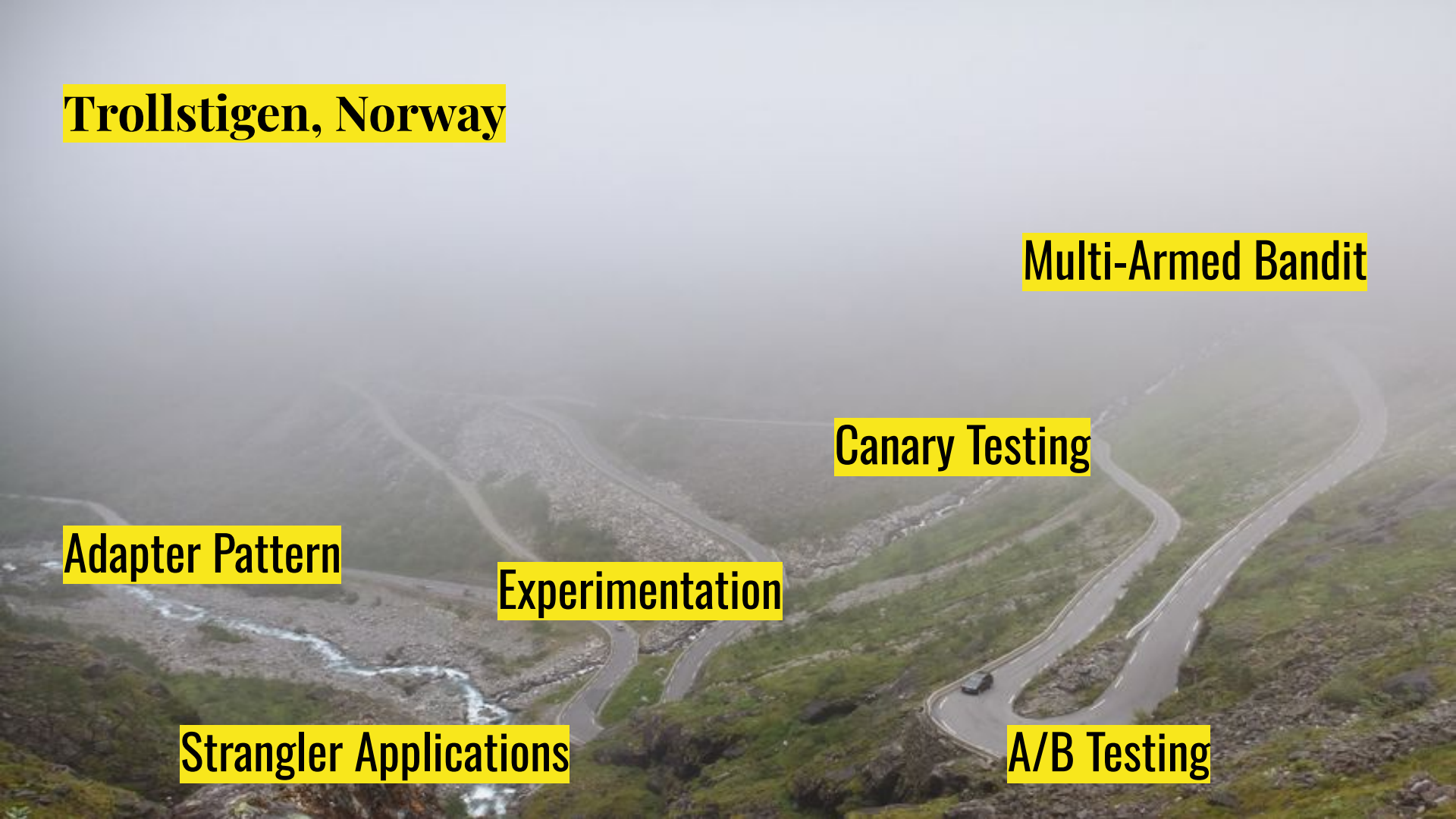


The real reasons Marie Kondo's life-changing magic doesn't work for parents

The celebrity organizer had her first baby in July, and I'd be willing to bet even she has slipped once or twice since

By Tanya C. Snyder · **On Parenting**

CTR: 4.8%

An aerial photograph of a winding asphalt road in a mountainous region. The road curves through a valley with green grass and rocky patches. In the background, a river flows through a rocky, forested area. The sky is overcast and foggy, creating a misty atmosphere. Several yellow text boxes are overlaid on the image, each containing a software engineering concept.

Trollstigen, Norway

Multi-Armed Bandit

Canary Testing

Adapter Pattern

Experimentation

Strangler Applications

A/B Testing

Thank You

Chris Nguyen
@uncompiled

The Washington Post

<https://developer.washingtonpost.com>