

NewsDiffs: Version Controlling the News

Eric Price Margaret Sullivan

MIT

The New York Times

2013-03-11

`http://newsdiffs.org/`

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Comparing: Profile: Silvio Berlusconi, Italian ex-prime minister

<http://www.bbc.co.uk/news/world-europe-11981754>

- [Pink: Archived February 19, 2013 at 2:24pm EDT](#)
- [Green: Archived March 07, 2013 at 11:21pm EDT](#)

[<= Previous revision](#)

[30 February 7 March](#) 2013

Profile: Silvio Berlusconi, Italian ex-prime minister

Over two decades Silvio Berlusconi has proved himself the master of the political comeback, [and is hoping to confound his critics once again in Italy's forthcoming In February 2013, he showed he had not lost his touch when, at the age of 76, he closed a huge gap to come within 1% of winning a general election.](#)

When he was forced from office in November 2011, after the markets had lost all confidence in his ability to run the country, even his most loyal supporters could see no way back.

Mr Berlusconi said he would not stand for office again. But [here he is, leading his centro-right party into another election, making his opponents very nervous.](#)

- Online news is different from print.

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 - ▶ Print: hard to change, daily deadlines.

Corrections

FRONT PAGE

An article on Monday about Jack Robison and Kirsten Lindsmith, two college students with Asperger syndrome who are navigating the perils of an intimate relationship, misidentified the character from the animated children's TV show "My Little Pony" that Ms. Lindsmith said she visualized to cheer herself up. It is Twilight Sparkle, the nerdy intellectual, not Fluttershy, the kind animal lover.

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March 9, 2013

Kenyatta Is Winner of Kenyan Presidential Vote

By JEFFREY GETTLEMAN

NAIROBI, Kenya — Kenya's election commission on Saturday declared Uhuru Kenyatta, the son of Kenya's first president and a suspect for crimes against humanity, as Kenya's next president amid growing allegations of vote fraud and a refusal by the other leading contender to concede.

Mr. Kenyatta received 50.07 percent of the vote, the election commission said.

[...]

But the announcement was not expected to allay worries of violence and chaos; the other top contender has indicated that he would not concede defeat.

Raila Odinga, Kenya's prime minister and the second-place candidate, will reject the result, one of his top advisers said Saturday morning. Many people fear such a development could lead to the type of confusion and violence that erupted in 2007, in Kenya's last disputed election, when Mr. Odinga said he was cheated out of victory.

"Raila has no intention of conceding and will be challenging this in court," said Salim Lone, the adviser to Mr. Odinga. "The level of the failures in the system makes it very difficult to believe it was a credible result, and if Uhuru is declared president, Raila will go to court."

March 9, 2013

Kenya ~~is~~ Winner of Wins Kenya Presidential Vote

By JEFFREY GETTLEMAN

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March 9, 2013

Kenya **Wins Kenyan Presidential Vote**, Declared the Victor in Kenya, but Much Remains Unresolved

By JEFFREY GETTLEMAN

NAIROBI, Kenya — Kenya's election commission on Saturday declared Uhuru Kenyatta, the son of Kenya's first president and a suspect **for a case involving crimes against humanity, as Kenya's next president to be the winner of the country's presidential race** amid growing **accusations** of vote fraud and a refusal by the other leading contender to concede.

Mr. Kenyatta **received 50.07 percent of the vote, the election commission said.**

"I therefore declare Uhuru Kenyatta the duly elected president of the Republic of Kenya," the chairman of the election commission, Issack Hassan, said, according to Reuters.

But the announcement was not expected to allay worries of violence and chaos; the other top contender has indicated that he would not concede defeat.

who has been accused by prosecutors at the International Criminal Court in The Hague of bankrolling death squads during Kenya's last election crisis, cleared the 50 percent threshold and avoided a runoff by the thinnest of margins, about 8,000 votes out of 12 million, or .07 percent.

Mr. Kenyatta's trial is set for July, which means that Kenya, one of the United States' closest allies on the continent,

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Kenya Is Declared the Victor in Kenya, but **Much Remains Unresolved** **Opponent Plans to Appeal**

By JEFFREY GETTLEMAN

NAIROBI, Kenya — Kenya's election commission on Saturday declared Uhuru Kenyatta, the son of Kenya's first president and **one of the prime suspects** in a case involving crimes against humanity, to be the winner of the country's presidential race amid growing allegations of vote fraud and a refusal by the other leading contender to concede.

Mr. Kenyatta, who has been accused by prosecutors at the International Criminal Court in The Hague of bankrolling death squads during Kenya's last election crisis, cleared the 50 percent threshold and avoided a runoff by the thinnest of margins, about 8,000 votes out of 12 million, or .07 percent.

Mr. Kenyatta's trial is set for July, which means that Kenya, one of the United States' closest allies **on the continent in Africa**, could soon have a president commuting back and forth from The Hague, simultaneously trying to run a country and keep himself **from being jailed for years out of jail**.

Mr. Kenyatta has said that he is innocent and that he will cooperate with the court, but in his acceptance speech on Saturday he signaled that he wanted the world to back off.

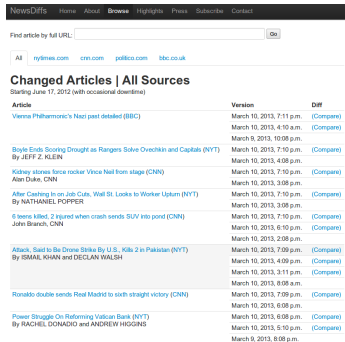
"We recognize and accept our international obligations," he said. "However, we also expect that the international community will respect the sovereignty and the democratic will of the people of Kenya."

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Find article by full URL: Go

All nytimes.com cnn.com politico.com bbc.co.uk

Changed Articles | All Sources

Starting June 17, 2012 (with occasional downtime)

Article	Version	Diff
Vanne Phiharhorac's Nazi past detailed (BBC)	March 10, 2013, 7:11 p.m.	(Compare)
	March 10, 2013, 4:10 a.m.	(Compare)
Boyle Ends Scoring Drought as Rangers Solve Ovechkin and Capitals (NYT) By JEFF Z. KLEIN	March 9, 2013, 10:08 p.m.	(Compare)
	March 10, 2013, 7:10 p.m.	(Compare)
Kidney stones force rocker Vince Neil from stage (CNN) Alan Duke, CNN	March 10, 2013, 7:10 p.m.	(Compare)
	March 10, 2013, 4:08 p.m.	(Compare)
After Cashing In on Job Cuts, Wall St. Looks to Worker Uplift (NYT) By NATHANIEL POPPER	March 10, 2013, 7:10 p.m.	(Compare)
	March 10, 2013, 3:08 p.m.	(Compare)
6 teens killed, 2 injured when crash sends SUV into pond (CNN) John Branch, CNN	March 10, 2013, 7:10 p.m.	(Compare)
	March 10, 2013, 6:10 p.m.	(Compare)
Attack, Said to Be Drone Strike By U.S., Kills 2 in Pakistan (NYT) By ISMAIL KHAN and DECLAN WALSH	March 10, 2013, 2:08 p.m.	(Compare)
	March 10, 2013, 7:09 p.m.	(Compare)
Ronald double sends Real Madrid to sixth straight victory (CNN)	March 10, 2013, 4:09 p.m.	(Compare)
	March 10, 2013, 3:11 p.m.	(Compare)
Power Struggle On: Referring Vatican Bank (NYT) By RACHEL DONADIO and ANDREW HIGGINS	March 10, 2013, 8:08 a.m.	(Compare)
	March 10, 2013, 7:09 p.m.	(Compare)
	March 10, 2013, 6:08 p.m.	(Compare)
	March 10, 2013, 6:08 p.m.	(Compare)
	March 9, 2013, 8:08 p.m.	(Compare)

Find article by full URL:

[All](#) [nytimes.com](#) [cnn.com](#) [politico.com](#) [bbc.co.uk](#)

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Article	Version	Diff
Profile: Silvio Berlusconi, Italian ex-prime minister (BBC)	March 7, 2013, 11:21 p.m.	(Compare)
	Feb. 19, 2013, 2:24 p.m.	(Compare)
	Dec. 9, 2012, 11:10 a.m.	(Compare)
	Dec. 9, 2012, 3:12 a.m.	(Compare)
	Dec. 9, 2012, 2:28 a.m.	(Compare)
	Nov. 23, 2012, 9:31 p.m.	(Compare)
	Oct. 19, 2012, 10:20 a.m.	(Compare)
	Oct. 19, 2012, 9:53 a.m.	(Compare)
	Oct. 19, 2012, 8:22 a.m.	(Compare)
	Oct. 19, 2012, 5:14 a.m.	
Repent, Dick Cheney (NYT) By MAUREEN DOWD	March 7, 2013, 11:15 p.m.	(Compare)
	March 6, 2013, 5:14 p.m.	(Compare)
	March 5, 2013, 10:08 p.m.	
Malaysia rejects clan leader's call for cease-fire in Sabah as death toll rises (CNN) Jethro Mullen, CNN	March 7, 2013, 11:14 p.m.	(Compare)
	March 7, 2013, 6:10 a.m.	(Compare)
	March 7, 2013, 5:09 a.m.	(Compare)
	March 7, 2013, 4:08 a.m.	

Comparing: Profile: Silvio Berlusconi, Italian ex-prime minister

<http://www.bbc.co.uk/news/world-europe-11981754>

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19 February **7 March** 2013

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When he was forced from office in November 2011, after the markets had lost all confidence in his ability to run the country, even his most loyal supporters could see no way back.

Mr Berlusconi said he would not stand for office again. But here he is, leading his centre-right party into another election, making his opponents very nervous.

Outline of Talk

1 Motivation and Creation

2 Case Studies

3 Future

4 Q & A

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Occupy Wall Street arrests

After allowing them onto the bridge, police cut off and arrested dozens of occupy wall street demonstrators.

The image shows a side-by-side comparison of two news articles from The New York Times, dated Saturday, October 1, 2011. The left article is titled "Protesters Arrested on Brooklyn Bridge" and is by COLIN MOYNIHAN, updated 47 minutes ago. Its lead sentence reads: "After allowing them onto the bridge, the police cut off and arrested dozens of Occupy Wall Street demonstrators." The right article is titled "Hundreds Arrested on Brooklyn Bridge" and is by AL BAKER and COLIN MOYNIHAN, updated 9 minutes ago. Its lead sentence reads: "In a tense showdown over the East River, police arrested hundreds of Occupy Wall Street demonstrators after they marched onto the bridge's Brooklyn-bound roadway." A large, bold, pink text overlay is placed across the top of both images, stating "it only takes 20 minutes to shift the blame".

- Lede rewritten to remove first bit.
- Lucky someone must have kept the old tab open!
- Reporter's defense: body of article consistent.
- Hard to judge without access to old version.

N'kisi the telepathic parrot

Found via Language Log

*N'kisi's remarkable abilities, **which are said to include telepathy**, feature in the latest BBC Wildlife Magazine.*

- 2004: BBC Science article appears



N'kisi the telepathic parrot

Found via Language Log

N'kisi's remarkable abilities, which are said to include telepathy, feature in the latest BBC Wildlife Magazine.

- 2004: BBC Science article appears
- 2006: "Telepathy" removed; no correction



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N'kisi's remarkable abilities, which are said to include telepathy, feature in the latest BBC Wildlife Magazine.

- 2004: BBC Science article appears
- 2006: "Telepathy" removed; no correction
- 2007 (May): Article completely replaced



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N'kisi's remarkable abilities, which are said to include telepathy, feature in the latest BBC Wildlife Magazine.

- 2004: BBC Science article appears
- 2006: "Telepathy" removed; no correction
- 2007 (May): Article completely replaced
- 2007 (August): "Correction" appears:



*Note: This story about animal communication has replaced an earlier one on this page which **contained factual inaccuracies we were unable to correct**. As a result, the original story is no longer in our archive. It is still visible elsewhere, via [\[link to WayBack Machine\]](#).*

The public editor, a year before NewsDiffs

The New York Times

Sunday Review | The Opinion Pages

WORLD

U.S.

TECHNOLOGY

HEALTH

ARTS

TRAVEL

MOST POPULAR

BLOGS

THE PUBLIC EDITOR

On NYTimes.com, Now You See It, Now You Don't

By ARTHUR S. BRISBANE

Published: June 25, 2011

WHEN Jill Abramson [takes over as the new executive editor](#) at the end of the summer, The New York Times that she oversees will be a very different organization than it was when she joined it 14 years ago.



times.com

The Times's transition from a print-dominated operation to a digital-minded one has progressed at a striking pace, and in the last few months it has closely resembled a full integration of the old ink-stained approach with the purely electronic. Where once The Times's online content was prepared by a separate and subordinate "continuous news" operation, it is now managed by the same people who run print.

Traditionally in newspapers, it was the person holding the title

Best Divi
dividends.wy
5 Stocks Tr
Retirement.

Sell Your
VacationClu
Get rid of you
A+ rating w/ l

The Great
www.Pennyf
Get free daily
pick out soon

MOST E-M



Snow
Escap

Right now, tracking changes is not a priority at The Times. As [the new executive editor Jill Abramson] told me, it's unrealistic to preserve an "immutable, permanent record of everything we have done."

NewsDiffs team



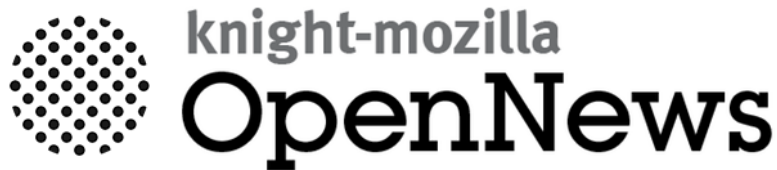
Jennifer 8. Lee



Greg Price



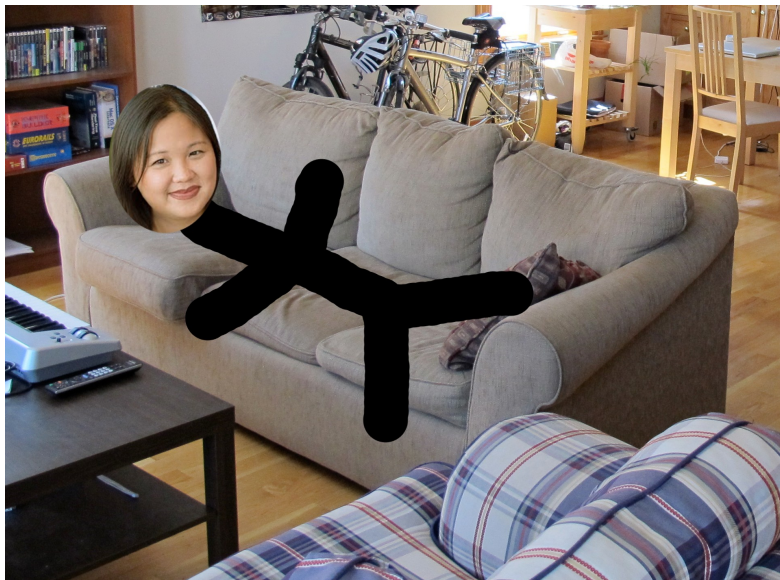
Eric Price



Knight-Mozilla Open News Hackathon



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Knight-Mozilla Open News Hackathon



Knight-Mozilla Open News Hackathon

27 hours of furious coding

Knight-Mozilla Open News Hackathon



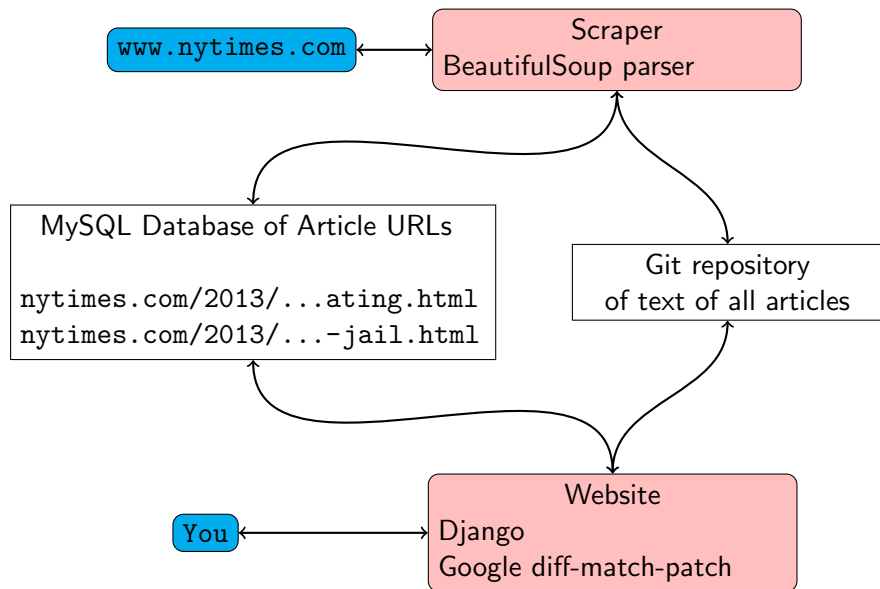
A permanent record *is* feasible

Recall The Times's statement:

[I]t's unrealistic to preserve an "immutable, permanent record of everything we have done."

- Wikipedia does it.
- Version control is a *solved problem*.
- We did it in one* weekend, from the outside.

Technical overview



*Not quite one weekend

- Another day of work after each of 3, 10, 22 weeks.
- Scaling issues
 - ▶ Running on AFS, a networked file system
 - ▶ Moved version metadata from git to MySQL.
 - ▶ Optimized queries to both backends
- UI improvements.

Poynter.

Home

Latest News

How To's

Chats

Latest News > Regret the Error

NewsDiffs tracks changes to New York Times, CNN



by [Craig Silverman](#)

Published June 18, 2012 11:09 am

Updated July 11, 2012 7:21 am

It's been said that the [Internet never forgets](#), but that doesn't necessarily mean it's easy to recall something from minutes or even seconds before.

Web pages, articles, blog posts and other content are easily altered, changed, deleted. And it's not always clear what's new or has been removed. Cached versions of content exist, but it can be tough to locate them.


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THE PUBLIC EDITOR

Insider's View of Changes, From Outside

 By ARTHUR S. BRISBANE
 Published: June 30, 2012 | 13 Comments

THE NEW YORK TIMES is the closest thing we have in this country to a "newspaper of record." A year ago I [suggested](#) that the paper should do a better job, therefore, of maintaining a record of the articles it publishes. Because of the swift changes wrought by the Internet, I observed, Times articles drift out into digital space in multiple versions. Some articles disappear altogether.



Earl Wilson/The New York Times

At the time, the newsroom's management told me that establishing a stronger historical record by tracking changes in articles and keeping them in a comprehensive archive was not a priority. So much for the newspaper of record, I thought.

A year later, someone else has seized the initiative from The Times.

[More Public Editor](#)

 A Web site called [NewsDiffs](#) automatically "scrapes" the front

[FACEBOOK](#)
[TWITTER](#)
[GOOGLE+](#)
[E-MAIL](#)
[SHARE](#)
[PRINT](#)
[REPRINTS](#)
STOKER
 COMING SOON

MOST E-MAILED

RECOMMENDED FOR YOU



Snowbound Residents Improve Their Escape

ON PAR

Beljan Turns Heads With His Play


 ADVERTISING
 Using Silly Cat Videos to Sell Litter-Box Products


In High-Tech Japan, the Fax Machines Roll On



East Asian Physical Traits Linked to 35,000-Year-Old Mutation



Tracing a Royal Y Chromosome

Gender Gap Widens

ECONOMIX

[A] more comprehensive archive that retains all significant versions of an article (and all corrections) would send readers a strong message that The Times is committed to full transparency and accountability. [...]

As NewsDiffs demonstrates, if you don't make yourself accountable nowadays, someone else will do it for you.

NewsDiffs, un sitio que rastrea modificaciones en artículos web

Escrito por Cindy Villegas en Claves el 23/06/2012 | Comenta

Print PDF



Comparing: Mubarak Rushed To Military Care After a Stroke

<http://www.nytimes.com/2012/06/20/world/middleeast/mubarak-is-on-life-support-egypt-security-officials-say.html>

- Left: June 19, 2012 at 8:30pm EDT
- Right: June 19, 2012 at 9:18pm EDT

Are these changes interesting?

Yes No

1 June 19, 2012

2 ~~Doctors Declare Mubarak to be 'Clinically Dead'~~

3 By DAVID D. KIRKPATRICK and KAREEM FANIM

4

5

6

7 CAIRO — Former President Hosni Mubarak, who led Egypt

8

9 After suffering a stroke in prison on Tuesday, Mr. Mub

10

11 News of Mr. Mubarak's falling health quickly spread th

1 June 19, 2012

2 Mubarak Rushed To Military Care After a Stroke

3 By KAREEM FANIM and DAVID D. KIRKPATRICK

4

5

6

7 CAIRO — Former President Hosni Mubarak's health deterio

8

9 There were conflicting reports about Mr. Mubarak's cond

10

11

Nota del NYT sobre la supuesta muerte de Hosni Mubarak

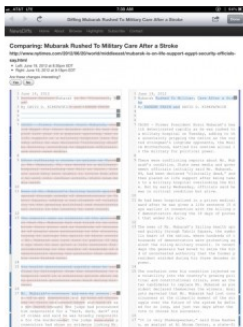
NewsDiffs: Änderungen in Artikeln transparent nachvollziehen

Von Andre Meister | Veröffentlicht am: 22.08.2012 um 12:49h | 6 Responses

Im Zeitalter digitaler Berichterstattung werden Artikel oft nach der Veröffentlichung noch geändert. Ein neues Projekt dokumentiert jetzt alle Versionen und macht somit Änderungen sichtbar. Bisher werden nur vier große englische Medien beobachtet – doch der Source Code ist offen.

NewsDiffs wurde vor zwei Monaten auf einem [Hack Day](#) ins Leben gerufen. Ein Crawler durchsucht derzeit die Webseiten von New York Times, CNN, Politico und BBC und speichert die Artikel in einem Git-Repository. Hat sich ein Artikel geändert, wird die neue Version gespeichert und die Änderungen sichtbar gemacht.

So kann man beispielsweise [nachvollziehen](#), wie die New York Times eine [Story](#) über den



16:10, 19 июня 2012

Создан сайт для отслеживания изменений в онлайн-статьях

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Changed Articles

From [nytimes.com](#) and [cnn.com](#), Starting June 17, 2012

Article

[Ad Giant Gets Share of Firm In West Bank](#) (NYT)
By ERIC PFANNER

[UEFA sees red over Bendiner's underpants](#) (CNN)
Molly Gray, for CNN

[Militants Attack Israelis From Egypt, Renewing Concerns About Sinai](#) (NYT)
By ISABEL KERSHNER

В США появился сайт NewsDiffs, который позволяет отслеживать все изменения, внесенные в новостные онлайн-статьи. Сайт, созданный во время семинара программистов Knight Mozilla MIT, **открылся** 17 июня.

Пока NewsDiffs отслеживает только изменения в статьях, появившихся на сайтах The New York Times и CNN с ночи 17 июня. Как только статья публикуется, ресурс сохраняет ее первую версию, а затем, если материал редактируется, NewsDiffs проводит анализ статьи и публикует новый вариант вместе с оригинальным, выделяя появившиеся изменения.

Easy to extend

- We're tracking the New York Times, CNN, BBC, Politico.
- To track another site, need to write code to extract plain text from webpage.
- 30-40 lines of code; takes maybe one hour.
 - ▶ But resource constraints: running on free MIT servers out of my account.

NewsDiffs is Free Software

- Forks:

<http://redactado.com.ar/>

Redactado

Inicio

Lista

Redactado | Monitoreando cambios en medios online

Redactado te permite [ver los cambios](#) de artículos de noticias de medios online después de su publicación inicial, comenzando por [La Nación](#).

El control de versiones de Redactado comenzó el 2 de julio de 2012

El sitio es una adaptación de [NewsDiffs](#) un proyecto que controla las versiones de los artículos de [The New York Times](#), [CNN](#) y [Politico](#).

Podes revisar la [lista](#) de artículos modificados.

Dirija sus criticas/comentarios/sugerencias a [@_redactado_](#)

Desarrollado y **mejorado** por [@j_e_d](#) de [UnaHormiga](#)

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- Forks:

<http://redactado.com.ar/>

Artículo	Versión	Diff
Nicolás Maduro jura hoy como presidente de Venezuela  (La Nación)	08/Mar/13 04:04	(Comparar)
	08/Mar/13 00:50	(Comparar)
	08/Mar/13 00:38	(Comparar)
	08/Mar/13 00:13	(Comparar)
	08/Mar/13 00:01	
Dilma y Raúl Castro, en Caracas para dar el último adiós a Hugo Chávez  (La Nación)	08/Mar/13 04:02	(Comparar)
	08/Mar/13 00:50	(Comparar)
	08/Mar/13 00:07	
Sergio Schoklender: "Oyarbide no existe, es un monigote del sector nacional"  (La Nación)	08/Mar/13 01:24	(Comparar)
	08/Mar/13 01:00	
El debate presidencial de EE.UU. llega a Los Simpsons: Homero vota a Mitt Romney  (La Nación)	08/Mar/13 00:13	(Comparar)
	08/Mar/13 00:03	(Comparar)
	03/Oct/12 20:00	
Cristina llegó de Venezuela  (La Nación)	07/Mar/13 23:35	(Comparar)
	07/Mar/13 23:23	

NewsDiffs is Free Software

- Forks:

`http://newsdiffs.es/`

Artículo	Versión	Diff
Corea del Norte amenaza con un ataque nuclear a Estados Unidos (EIPais) Antonio Caño	mar. 8, 2013, 7:04 a.m. mar. 7, 2013, 9:49 p.m. mar. 7, 2013, 6:17 p.m.	(Comparar) (Comparar)
Naciones Unidas denuncia las matanzas de albinos en Tanzania (ABC) EDUARDO S. MOLANO CORRESPONSAL EN NAIROBI	mar. 8, 2013, 7:03 a.m. mar. 8, 2013, 4:42 a.m.	(Comparar)
Nicolás Maduro asumirá el viernes la presidencia provisional de Venezuela (EIPais) Francisco Peregil	mar. 8, 2013, 7:03 a.m. mar. 8, 2013, 4:41 a.m.	(Comparar)
Maduro jurará como presidente de Venezuela tras las exequias de Hugo Chávez (ABC) abc.es madrid	mar. 8, 2013, 7:03 a.m. mar. 8, 2013, 4:40 a.m.	(Comparar)
Otras grandes renuncias de mandatarios mundiales (ABC) abc.es madrid	mar. 8, 2013, 5:42 a.m. feb. 12, 2013, 1:07 p.m.	(Comparar)
Pyongyang amenaza con anular los acuerdos de no agresión con Seúl (EIMundo) Efe Seúl	mar. 8, 2013, 4:44 a.m. mar. 8, 2013, 2:37 a.m.	(Comparar)

NewsDiffs is Free Software

- Forks:

`http://newsdiffs.es/`



The screenshot shows the NewsDiffs website interface. At the top is a navigation bar with links for Home, About, Buscar, Ejemplos, Press, Subscribe, and Contacto. Below the navigation bar is a search bar with the text "Todos" and three search filters: "elpais.com", "elmundo.es", and "abc.es". The main content area is titled "Artículos modificados | Todas las fuentes" and includes a subtitle "Desde el 11 de noviembre de 2012 (con alguna que otra caída)". Below this is a table with three columns: "Artículo", "Versión", and "Diff". The table lists several news items with their respective modification dates and times, and a link to compare versions.

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- Patches:

- ▶ Received (and merged) patch to parse tagesschau.de.

Statistics

- Tracking 28000 NYT articles (62000 over all sources).
- 44% of articles changed at least once.
 - ▶ 20-30% in opinion, books, fashion sections
 - ▶ 55-60% in sports, NY region, world sections
- 15% of articles changed at least three times.
- 9% have official corrections.
- 4% have byline changes.
 - ▶ 11% in world section.

Outline of Talk

1 Motivation and Creation

2 Case Studies

3 Future

4 Q & A

Examples: Nuclear Talks with Iran

Comparing: U.S. Officials Say Iran Has Agreed To Nuclear Talks

<http://www.nytimes.com/2012/10/21/world/iran-said-ready-to-talk-to-us-about-nuclear-program.html>

- ~~Pink: Archived October 20, 2012 at 7:32pm EDT~~
- ~~Green: Archived October 20, 2012 at 7:59pm EDT~~

[<= Previous revision](#) | [All changes](#) | [Later revision =>](#)

October 20, 2012

U.S. Officials Say Iran Has Agreed To Nuclear Talks

By HELENE COOPER and MARK LANDLER

WASHINGTON — The United States and Iran have agreed **in principle** for the first time to one-on-one negotiations over Iran's nuclear program, according to Obama administration officials, setting the stage for what could be a last-ditch diplomatic effort to avert a military strike on Iran.

Iranian officials have insisted that the talks wait until after the presidential election, a senior administration official said, telling their American counterparts that they want to know with whom they would be negotiating.

[...]

It is also far from clear that Mr. Obama's opponent, Mitt Romney, would go through with the negotiation should he win election. Mr. Romney has repeatedly criticized the president as showing weakness on Iran and failing to stand firmly with Israel against the Iranian nuclear threat.

The White House publicly denied the report on Saturday evening. "It's not true that the United States and Iran have agreed to one-on-one talks or any meeting after the American elections," said Tommy Vietor, a White House spokesman. He added that the administration has "said from the outset that we would be prepared to meet bilaterally."

Reports of the agreement have circulated among a small group of diplomats involved with Iran.

Examples: Sandy Hook Shooting

Gunman Massacres 20 Children at School in Connecticut; 28 Dead, Including Killer (NYT), Change Log

<http://www.nytimes.com/2012/12/15/nyregion/shooting-reported-at-connecticut-elementary-school.html>

By JAMES BARRON | First archived on Dec. 14, 2012, 12:09 p.m.

Headline	Date/Time EST Archived	Diff
Gunman Massacres 20 Children at School in Connecticut; 28 Dead, Including Killer	Dec. 17, 2012, 10:12 p.m.	(Compare with previous)
Gunman Massacres 20 Children at School in Connecticut; 28 Dead, Including Killer	Dec. 17, 2012, 4:11 p.m.	(Compare with previous)
Gunman Massacres 20 Children at School in Connecticut; 28 Dead, Including Killer	Dec. 17, 2012, 3:16 p.m.	(Compare with previous)
Gunman Massacres 20 Children at School in Connecticut; 28 Dead, Including Killer	Dec. 15, 2012, 10:10 a.m.	(Compare with previous)
Gunman Massacres 20 Children at School in Connecticut; 28 Dead, Including Killer	Dec. 15, 2012, 9:10 a.m.	(Compare with previous)
Gunman Massacres 20 Children at School in Connecticut; 28 Dead, Including Killer	Dec. 15, 2012, 2:11 a.m.	(Compare with previous)
Gunman Kills 20 Children at School in Connecticut; 28 Dead in All	Dec. 15, 2012, 1:11 a.m.	(Compare with previous)
Gunman Kills 20 Children at School in Connecticut; 28 Dead in All	Dec. 15, 2012, 12:10 a.m.	(Compare with previous)
Gunman Kills 20 Children at School in Connecticut; 28 Dead in All	Dec. 14, 2012, 11:10 p.m.	(Compare with previous)
Gunman Kills 20 Children at School in Connecticut; 28 Dead in All	Dec. 14, 2012, 9:10 p.m.	(Compare with previous)
School Gunman Kills 20 Children in Connecticut	Dec. 14, 2012, 8:12 p.m.	(Compare with previous)
School Gunman Kills 20 Children in Connecticut	Dec. 14, 2012, 7:10 p.m.	(Compare with previous)
18 Children Killed in Grade School Shooting in Connecticut	Dec. 14, 2012, 6:10 p.m.	(Compare with previous)
18 Children Killed in Grade School Shooting in Connecticut	Dec. 14, 2012, 5:10 p.m.	(Compare with previous)
18 Children Killed in Grade School Shooting in Connecticut	Dec. 14, 2012, 4:10 p.m.	(Compare with previous)
18 Children Killed in Grade School Shooting in Connecticut	Dec. 14, 2012, 3:10 p.m.	(Compare with previous)
Multiple Fatalities Reported in Shooting at Connecticut Elementary School	Dec. 14, 2012, 2:10 p.m.	(Compare with previous)
Multiple Fatalities Reported in Shooting at Connecticut Elementary School	Dec. 14, 2012, 1:10 p.m.	(Compare with previous)
Shooting Reported at Connecticut Elementary School	Dec. 14, 2012, 12:09 p.m.	

Examples: Edward Koch Obituary

Comparing: A 3-Term Mayor as Brash, Shrewd And Colorful as the City He Led

<http://www.nytimes.com/2013/02/02/nyregion/edward-i-koch-ex-mayor-of-new-york-dies.html>

- [Pink: Archived February 01, 2013 at 12:11pm EDT](#)
- [Green: Archived February 01, 2013 at 2:12pm EDT](#)

[<= Previous revision](#) | [Later revision =>](#)

February 1, 2013

Colorful, Candid New Yorker Who Led City Through Crises

By ROBERT D. McFADDEN

[...]

But critics said the old reformer had become too close to Democratic bosses in pursuit of his own ambitions, and accusations of complacency and cronyism dogged him for the rest of his tenure.

[Mr. Koch was also harshly criticized for what was called his slow, inadequate response to the AIDS crisis in the 1980s. Hundreds of New Yorkers were desperately ill and dying in a baffling public health emergency, and critics, especially in the gay community, accused him of being a closeted homosexual reluctant to confront the crisis for fear of being exposed.](#)

[For years, Mr. Koch was upset and defensive about the criticism. In a 1994 interview with Adam Nagourney, a New York Times correspondent and co-author, with Dudley Clendinen, of "Out for Good: The Struggle to Build a Gay Rights Movement in America" \(1999\), Mr. Koch insisted that New York had done more for AIDS victims than San Francisco.](#)

["But that never got through to the gay community," Mr. Koch said. "They were brainwashed that they were getting short-changed in New York City and in San Francisco they were getting everything. And it wasn't true, but you could never convince them."](#)

The scandals and the scourges of crack cocaine, homelessness and AIDS were compounded by a widening rift between Mr. Koch and black

Examples: Romney and Benghazi

Comparing: A Challenger's Criticism Is Furiously Returned

<http://www.nytimes.com/2012/09/13/us/politics/behind-romneys-decision-to-criticize-obama-on-libya.html>

- [Pink: Archived September 12, 2012 at 7:33pm EDT](#)
- [Green: Archived September 12, 2012 at 9:33pm EDT](#)

[<= Previous revision](#) | [All changes](#) | [Later revision =>](#)

September 12, 2012

[Behind Romney's Decision to Attack Obama on Libya](#)

By [DAVID E. SANGER](#) and [ASHLEY PARKER](#)

WASHINGTON — To Mitt Romney, it seemed like an opportunity to draw a stark contrast: Protests were erupting in Cairo and Benghazi, Libya; apparently over an anti-Islamic video, the White House was in a nasty spat with the Israelis, and administration officials in Cairo had put out a statement urging religious tolerance. From the perspective of the Republican's campaign, the time was ripe to cast President Obama again as someone apologizing for America who abandoned longtime allies and failed to defend American interests.

So on Tuesday evening, Mr. Romney, according to his staff, signed off on a blunt attack on a statement issued early in the day — before the first protests had happened — by the American Embassy in Cairo. The Romney comment characterized the embassy statement as a weak White House response to violence at American diplomatic facilities in Egypt and Libya that ended up claiming the life of the ambassador to Libya and three others.

The statement that seemed to backfire on Mr. Romney was a team effort, his aides said, written by a group of aides who focus on policy, another that focuses on political.

[A Challenger's Criticism Is Furiously Returned](#)

By [PETER BAKER](#) and [ASHLEY PARKER](#)

WASHINGTON — The deadly attack on an American diplomatic post in Libya propelled foreign policy into the forefront of an otherwise inward-looking presidential campaign on Wednesday and presented an unexpected test not only to the incumbent who must manage an international crisis, but also to the challenger whose response quickly came under fire.

Examples: Romney and Benghazi

In first version:

For a country looking to understand how Mr. Romney, a Republican candidate with no foreign policy experience, would respond to a major crisis, this was a first glimpse.

And as an adviser to the campaign who worked in the George W. Bush administration said on Wednesday, Mr. Romney's accusation [...] looked like "he had forgotten the first rule in a crisis: don't start talking before you understand what's happening."

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Goals

- Goals for NewsDiffs
 - ① Reference for known interesting changes.
 - ② Unearth interesting changes.
 - ③ Study the process of journalistic editing.
- Currently only satisfying (1) well.
- To satisfy the others, need
 - ▶ Automated tools to sift through the changes for interesting ones.
 - ▶ Someone to use our data for research

Simple example of study

That vs. Who

- The council could choose a pope **that** all factions would recognize.
- The council could choose a pope **whom** all factions would recognize.

Simple example of study

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© Alaska SeaLife Center

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Conclusions

- News websites should keep a public record of what they publish.
- In the meantime, NewsDiffs fills the role.
- We have lots of data, ready to be mined for useful information.

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