

# Life Story of a Pageview

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# Wikimedia Pageviews API



A screenshot of a web browser window displaying a JSON API response. The URL in the address bar is [https://wikimedia.org/api/rest\\_v1/metrics/pageviews/per-article/de.wikipedia/all-access/user/Johann\\_Wolfgang\\_von\\_Goethe/daily/](https://wikimedia.org/api/rest_v1/metrics/pageviews/per-article/de.wikipedia/all-access/user/Johann_Wolfgang_von_Goethe/daily/). The page content shows a single item in the "items" array, representing a daily pageview count for a specific user article.

```
{  
  "items": [  
    {  
      "project": "de.wikipedia",  
      "article": "Johann_Wolfgang_von_Goethe",  
      "granularity": "daily",  
      "timestamp": "2016051300",  
      "access": "all-access",  
      "agent": "user",  
      "views": 2299  
    }  
  ]  
}
```

**Announcement:** <http://blog.wikimedia.org/2015/12/14/pageview-data-easily-accessible/>

**Documentation:** <https://wikitech.wikimedia.org/wiki/Analytics/PageviewAPI>

# Used in Wikipedia iOS APP

•••• AT&T ⌂ 11:26 AM ⌂ 38% ⌂

W 

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 Top read on English Wikipedia  
Sunday, May 15

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 Eurovision Song Contest 2016  
61st Eurovision Song Contest

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 UFC 198

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 Captain America: Civil War  
2016 superhero film produced by Marvel St...

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 Disappearance of Bobby Dunbar

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 Robert Hanssen  
FBI agent who spied for Soviet and Russian...

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All top read articles on Sun, May 15 >

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 Picture of the day  
Monday, May 16

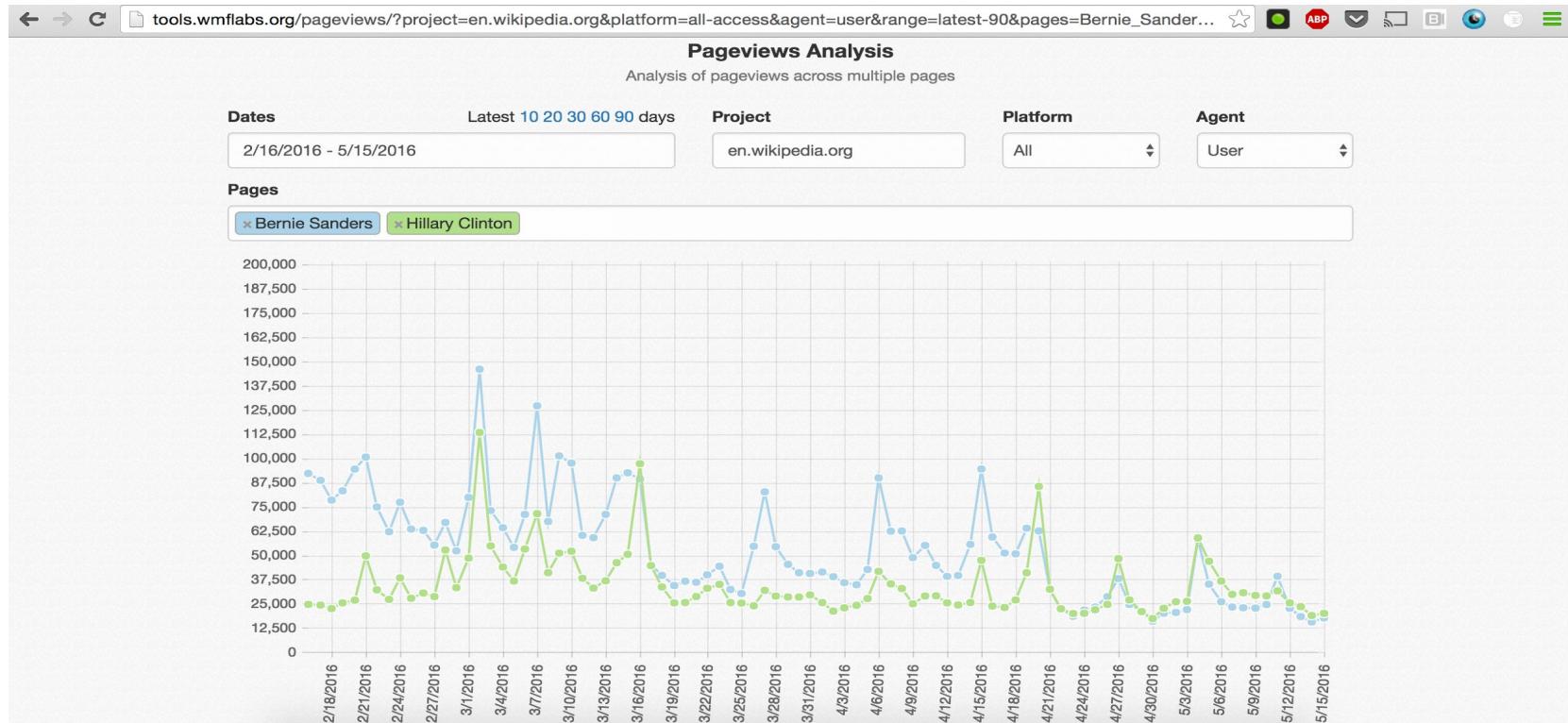
---

 Explore

 Saved

 History

# Pageview Stats Tool



Screenshot from: <http://tools.wmflabs.org/pageviews>

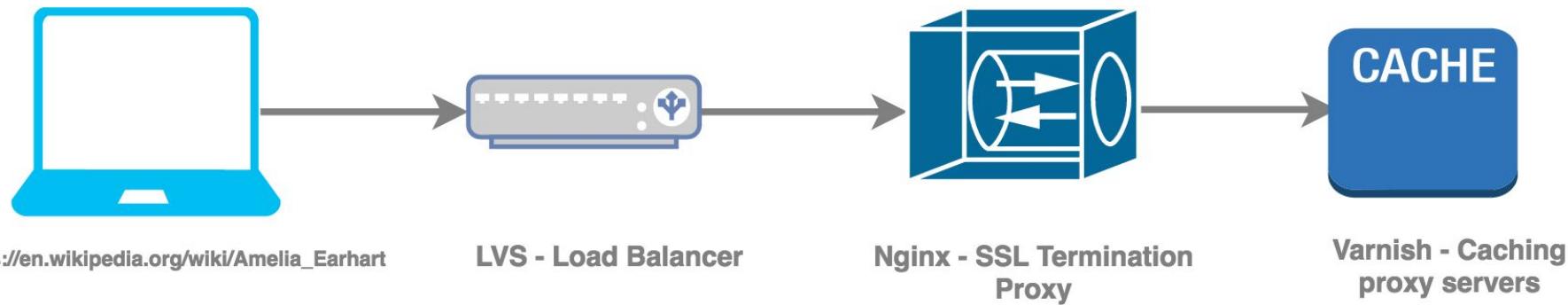
# The BIG Picture

- ~ 820 Wikimedia Projects
- ~ 150K requests/second
- ~ 13B requests/day
- ~ 1.6T request data/day

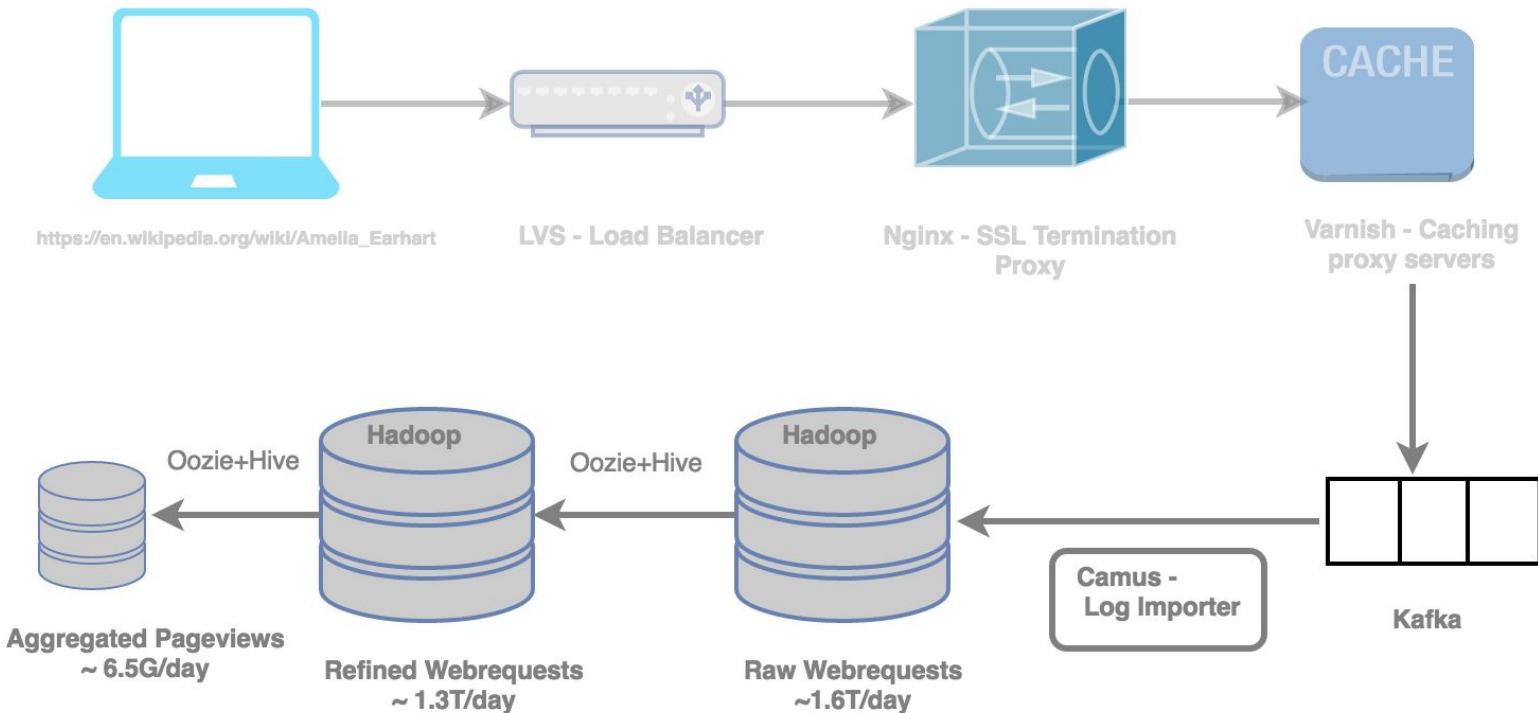
# It starts with you



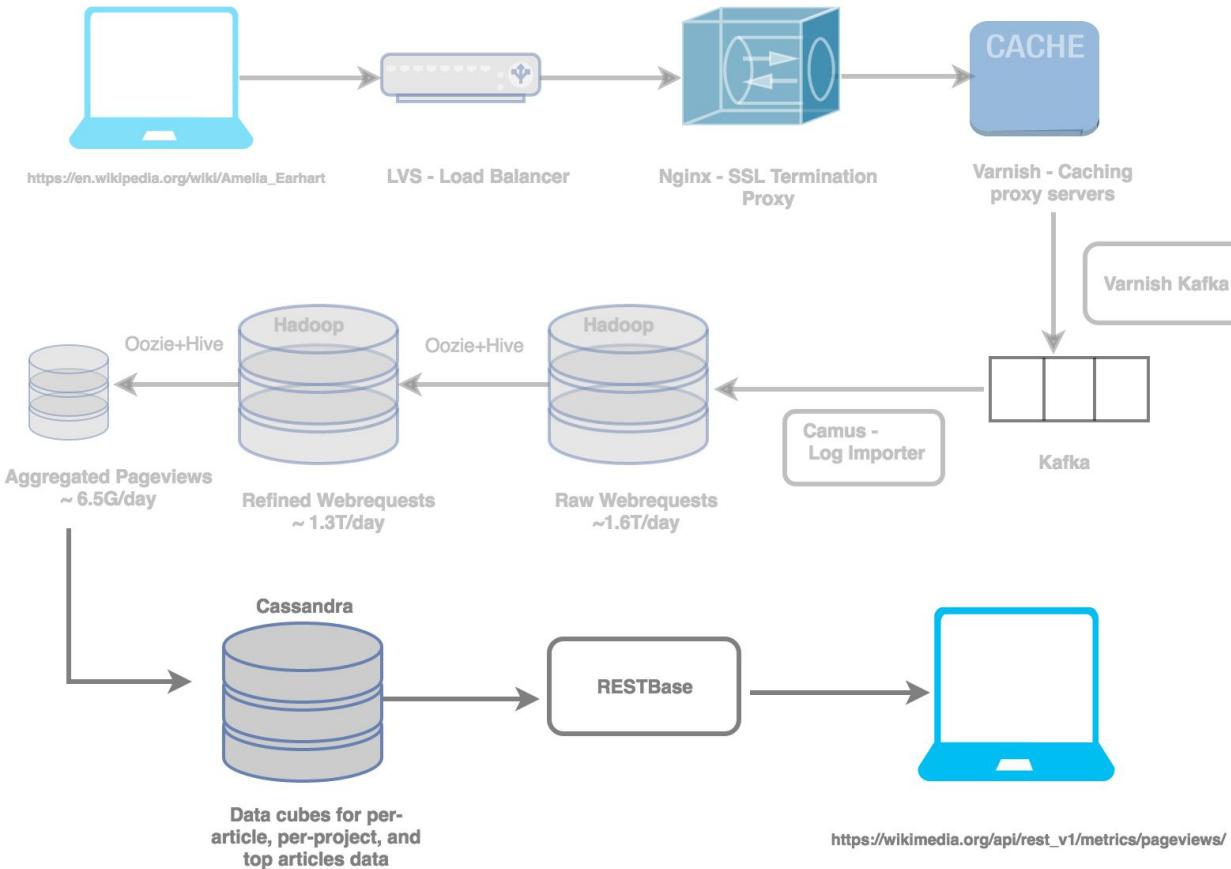
# Travels through the web to our servers



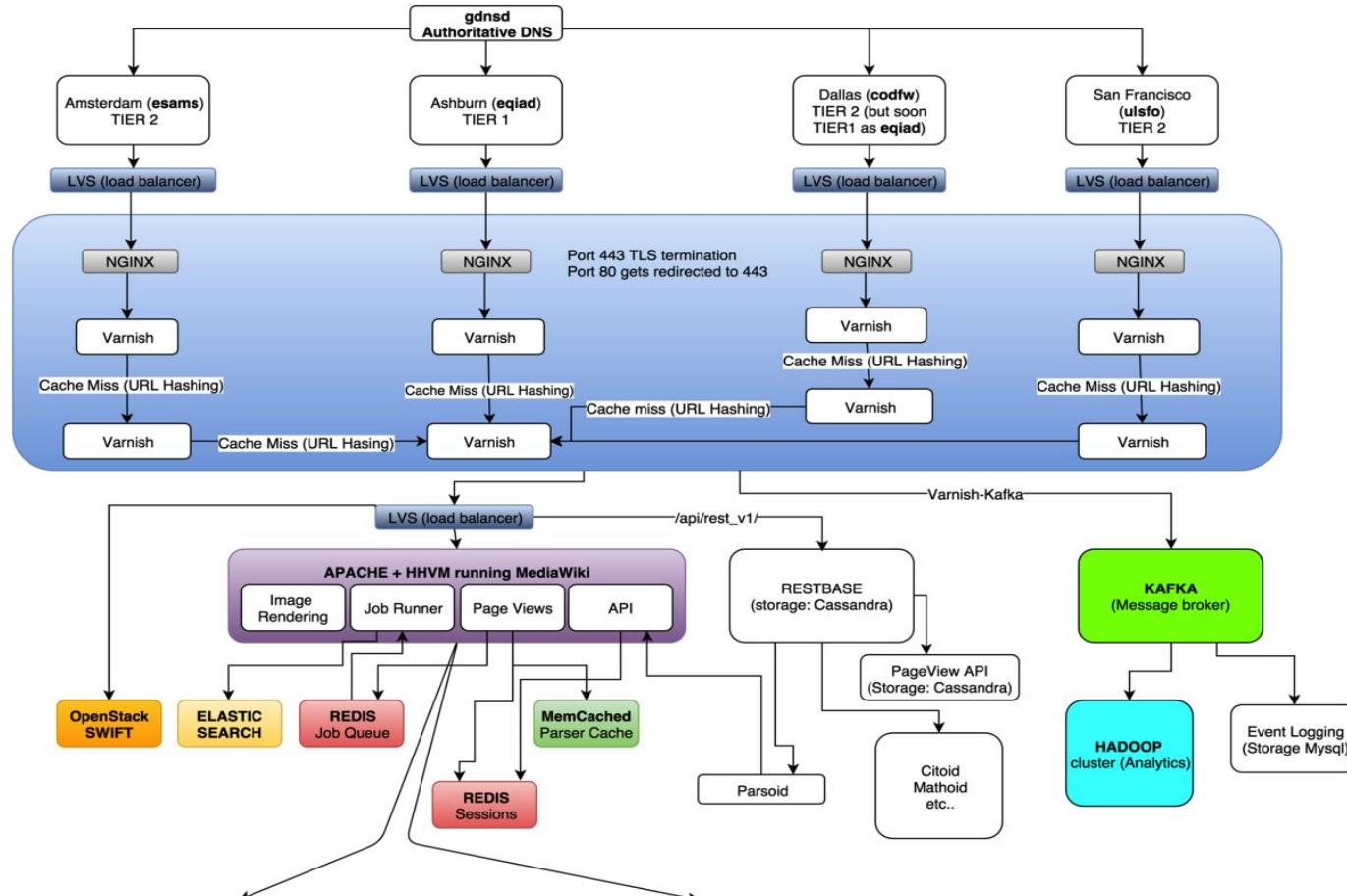
# Ends up in Hadoop Land



# And back to you



# The full overview



# Use the APIs!

[https://wikimedia.org/api/rest\\_v1/?doc](https://wikimedia.org/api/rest_v1/?doc)

<https://wikitech.wikimedia.org/wiki/Analytics/PageviewAPI>

[https://wikitech.wikimedia.org/wiki/Analytics/Unique\\_Devices](https://wikitech.wikimedia.org/wiki/Analytics/Unique_Devices)

# Image Credits

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# Questions?