



Mobile@Wikimedia - Past, Present, and Future

Tomasz Finc – Engineering Program Manager

Let's take a step back in time

Wikipedia on Mobile



Wikipedia

Go

[\[Settings\]](#)

[\[About Wikipedia\]](#)

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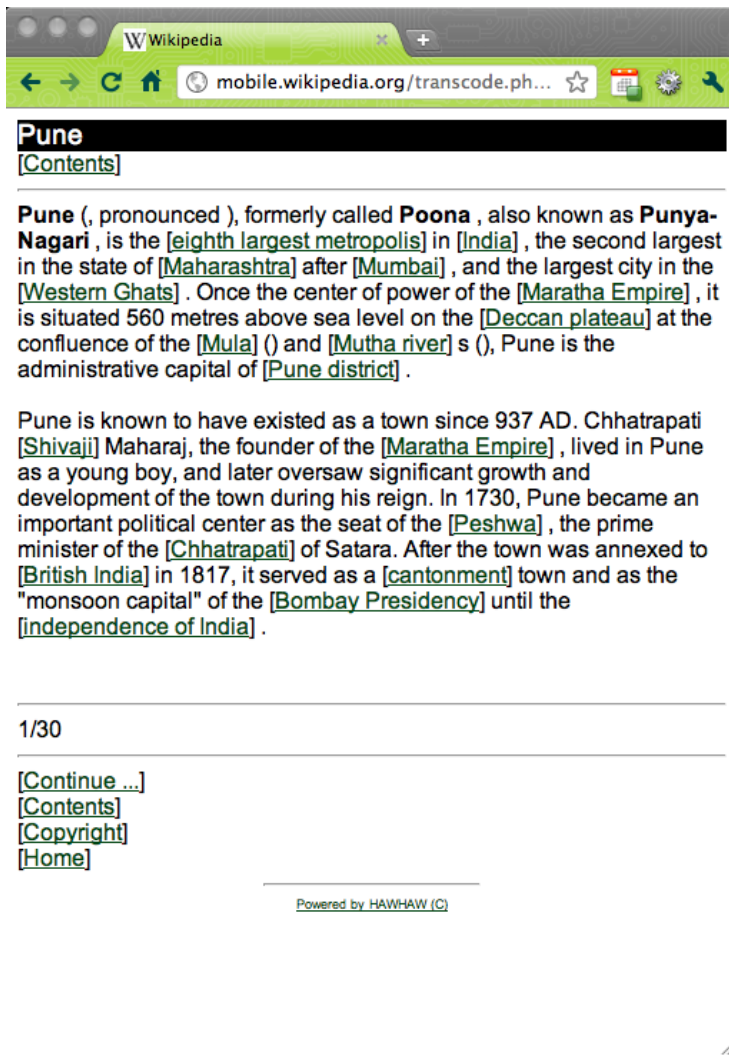


HTML and WML hybrid adapted Webserver

DEMO



Search Results and Browsing



Wikipedia

mobile.wikipedia.org/transcode.ph...

Pune

[Contents]

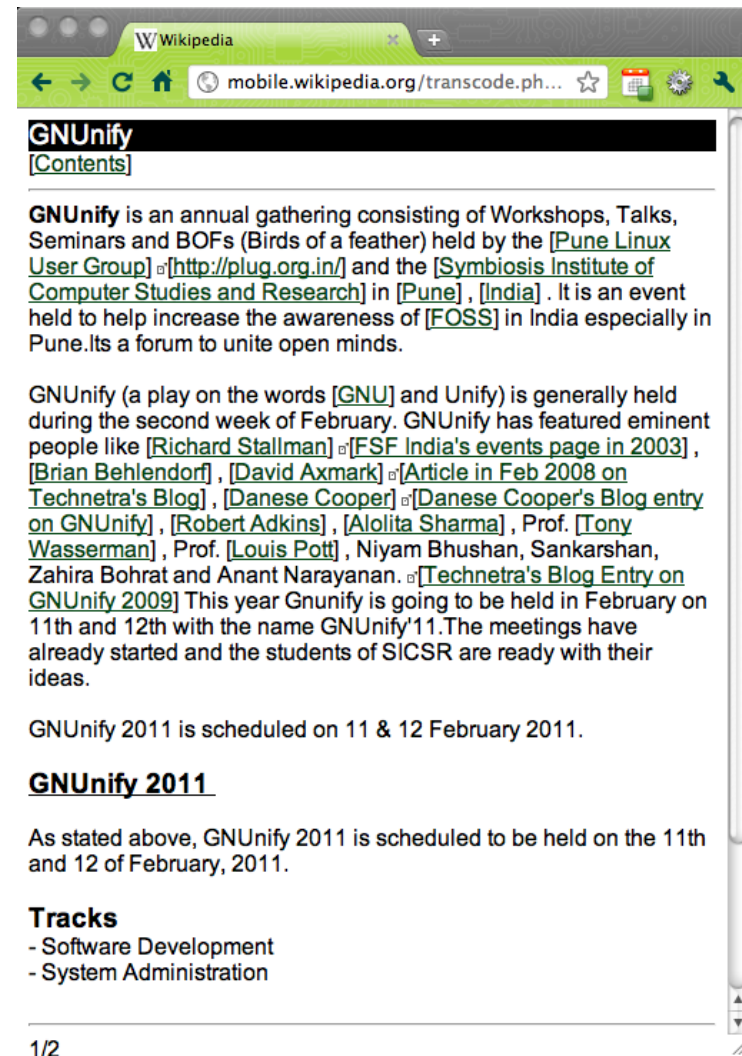
Pune (, pronounced), formerly called **Poona**, also known as **Punya-Nagari**, is the [eighth largest metropolis](#) in [India](#), the second largest in the state of [Maharashtra](#) after [Mumbai](#), and the largest city in the [Western Ghats](#). Once the center of power of the [Maratha Empire](#), it is situated 560 metres above sea level on the [Deccan plateau](#) at the confluence of the [Mula](#) () and [Mutha river](#) s (), Pune is the administrative capital of [Pune district](#).

Pune is known to have existed as a town since 937 AD. Chhatrapati [Shivaji](#) Maharaj, the founder of the [Maratha Empire](#), lived in Pune as a young boy, and later oversaw significant growth and development of the town during his reign. In 1730, Pune became an important political center as the seat of the [Peshwa](#), the prime minister of the [Chhatrapati](#) of Satara. After the town was annexed to [British India](#) in 1817, it served as a [cantonment](#) town and as the "monsoon capital" of the [Bombay Presidency](#) until the [independence of India](#).

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Wikipedia

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GNUUnify

[Contents]

GNUUnify is an annual gathering consisting of Workshops, Talks, Seminars and BOFs (Birds of a feather) held by the [Pune Linux User Group](#) <http://plug.org.in/> and the [Symbiosis Institute of Computer Studies and Research](#) in [Pune](#), [India](#). It is an event held to help increase the awareness of [FOSS](#) in India especially in Pune. Its a forum to unite open minds.

GNUUnify (a play on the words [GNU](#) and Unify) is generally held during the second week of February. GNUUnify has featured eminent people like [Richard Stallman](#) [FSF India's events page in 2003](#), [Brian Behlendorf](#), [David Axmark](#) [Article in Feb 2008 on Technetra's Blog](#), [Danese Cooper](#) [Danese Cooper's Blog entry on GNUUnify](#), [Robert Adkins](#), [Alolita Sharma](#), Prof. [Tony Wasserman](#), Prof. [Louis Pott](#), Niyam Bhushan, Sankarshan, Zahira Bohrat and Anant Narayanan. [Technetra's Blog Entry on GNUUnify 2009](#) This year Gnunify is going to be held in February on 11th and 12th with the name GNUUnify'11. The meetings have already started and the students of SICSR are ready with their ideas.

GNUUnify 2011 is scheduled on 11 & 12 February 2011.

GNUUnify 2011

As stated above, GNUUnify 2011 is scheduled to be held on the 11th and 12 of February, 2011.

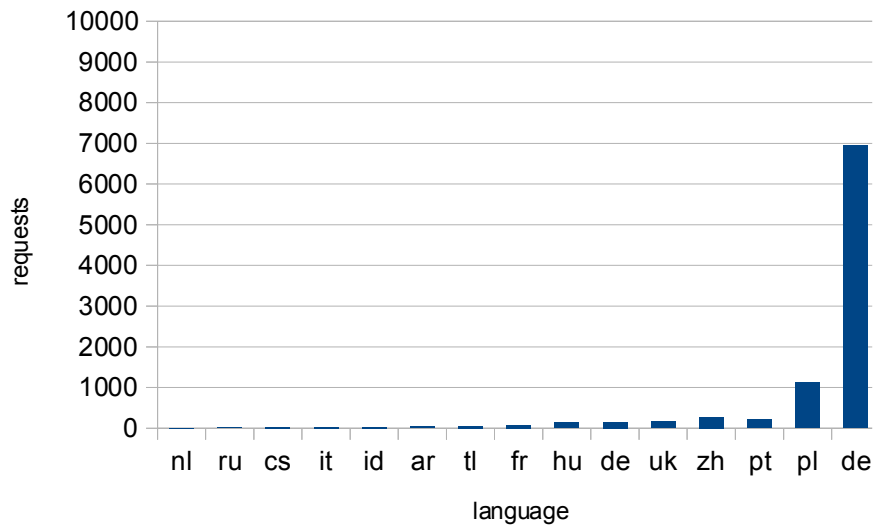
Tracks

- Software Development
- System Administration

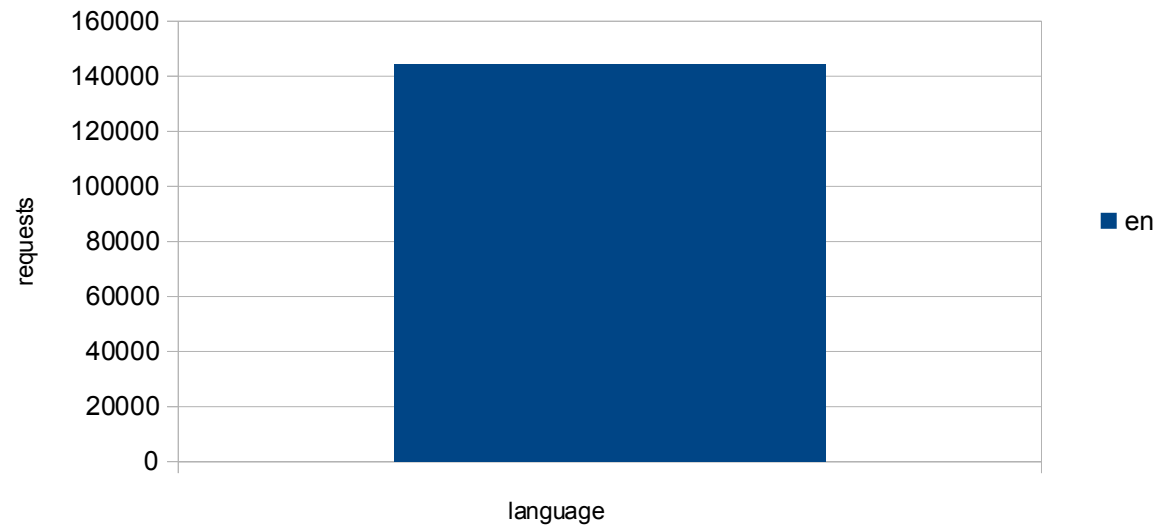
1/2

Daily WAP Stats

WAP Gateway hit stats



WAP Gateway hit stats



But we weren't the only ones
interested in Mobile Wikipedia.

wapedia

Wapedia - Wiki: Pune

wapedia.mobi/en/Special:Search?search=Pune&skl=Go&searchtype=

wapedia.

Wiki: Pune (1/4)
"Poona" redirects here. For other uses, see [Poona \(disambiguation\)](#).

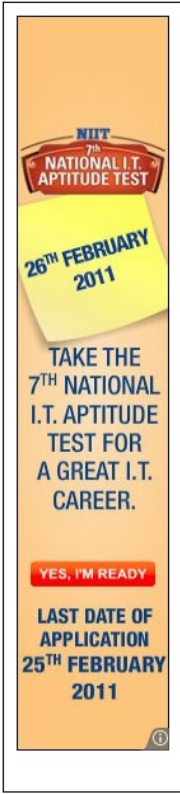
Pune (**Marathi**: पुणे, pronounced [puɳeː]), formerly called **Poona**, also known as **Punya-Nagari**, is the [eighth largest metropolis](#) in [India](#), the second largest in the state of [Maharashtra](#) after [Mumbai](#), and the largest city in the [Western Ghats](#). Once the center of power of the [Maratha Empire](#), it is situated 560 metres above sea level on the [Deccan plateau](#) at the confluence of the [Mula](#) (**Marathi**: मुळा) and [Mutha rivers](#) (**Marathi**: मठ),^[4] Pune is the administrative capital of [Pune district](#).

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Today, Pune is known for its educational facilities and relative prosperity. Pune is a majority [Hindu](#) city and one can see temples all over the city. Pune is the cultural capital of Maharashtra, and the notional seat of the [Marathi](#) language.^[7] Pune has well-established manufacturing, [glass](#), sugar, and [forging](#) industries since the 1950-60s. It has a growing industrial hinterland, with many [information technology](#) and [automotive](#) companies setting up factories in Pune district. The city is known for various cultural activities like classical music, spirituality, theater, sports, and literature. These activities and job opportunities attract migrants and students from all over India and abroad, which makes for a city of many communities and cultures.

Contents:

- [1. Toponymy](#)
- [2. History](#)
- [3. Geography](#)
- [4. Climate](#)
- [5. Demographics](#)
- [6. Religion](#)



Wapedia - Wiki: GNUify

wapedia.mobi/en/Special:Search?search=GNUify&skl=Go&searcht...

wapedia.

Wiki: GNUify

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GNUify Logo

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wapedia



The screenshot shows a web browser window with the address bar displaying "wikizap.mobi/?forcelang=en". The page content is organized into several sections:

- Wikizap Mobile Wikis**: A welcome message stating, "Welcome to Wikizap.mobi, your wiki source for mobile devices. Here you can find all kinds of wikis about sports, entertainment, games and more. Why not discover the content-free Uncyclopedia?"
- English**: A section header with a pink underline.
- Reference**: A section header with a pink underline, containing a list of links:
 - [Wikipedia](#)
 - [Wiktionary](#)
 - [Wikiquote](#)
 - [Orchids Wiki](#)
 - [Commons](#)
 - [Wikitravel](#)
 - [Citizendium](#)
 - [Gardenology](#)
- Books**: A section header with a pink underline, containing a list of links:
 - [Wikibooks](#)
 - [WikiSummaries](#)
- Entertainment**: A section header with a pink underline, containing a list of links:
 - [Muppet Wiki](#)
 - [Wookieepedia](#)
 - [Doctor Who](#)
 - [True Blood Wiki](#)
 - [Lord of the Rings Wiki](#)
 - [Buffyverse Wiki](#)
 - [Narutopedia](#)

On the right side of the page, there is a vertical advertisement box. It features an image of a mobile phone displaying the Google search page, with icons for Wi-Fi, a laptop, and a mobile phone above it. Below the image, the text reads: "Create multi-user wi-fi hot-spot with in-built router".

And things lumbered along

Till Apple released the
iPhone SDK.

New ideas take hold and
development experiments are
started

iPhone Apps [See All >](#)



Wikipedia Mobile
Reference
Updated Apr 26, 2010
FREE



Wiki Hunt - The Wikipedia...
Games
Updated Apr 13, 2010
+ **\$1.99 BUY**



Wikipanion
Reference
Updated Jun 30, 2010
FREE



iWiki
Reference
Updated Feb 04, 2010
\$1.99 BUY



Wikiamo
Reference
Updated Jul 01, 2010
FREE



Wikipedia Random Article of t...
Reference
Released Jun 02, 2009
\$0.99 BUY

iPad Apps [See All >](#)



Wiki² - Wikipedia Reader f...
Reference
Updated Apr 23, 2010
\$0.99 BUY



Wiki Hunt - The Wikipedia...
Games
Updated Apr 13, 2010
+ **\$1.99 BUY**



Simplepedia for iPad - Simpl...
Reference
Updated Jun 24, 2010
FREE



OffMaps
Navigation
Updated Jun 02, 2010
+ **\$1.99 BUY**



Wikipanion for iPad
Reference
Updated Jun 03, 2010
FREE



MedAbbreviations: Medical A...
Medical
Updated Jul 06, 2010
+ **\$0.99 BUY**

Wikimedia engages Hampton Caitlin

Wikimedia Mobile App



Free App

Category: Reference

Updated: Apr 26, 2010

Current Version: 2.0

0.3 MB

Language: English

Seller: Wikimedia Foundation

© Wikimedia Foundation

Rated 4+

Requirements: Compatible with iPhone, iPod touch, and iPad.
Requires iPhone OS 3.1.2 or later.

Customer Ratings



- Open code base
- Translated to over 25+ languages through community translations
- Geo-location of articles
- Over 150,000 downloads each month

Download Stats



How to get involved?

Getting Involved

- <http://itunes.apple.com/us/app/wikipedia-mobile/id324715238?mt=8&ls=1>
- <https://github.com/wikimedia/wikipedia-iphone>

And then more SDK's started
showing up

SDK's in the wild



symbian
OS



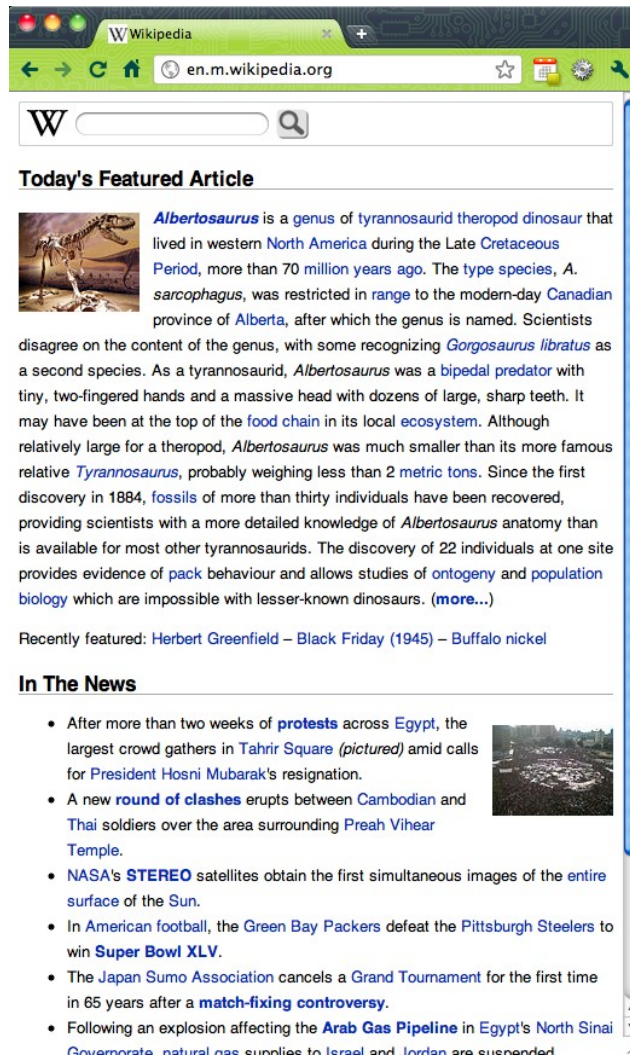
webOS



Windows Mobile

How do we continue to support continuing trends without having to support every SDK ?

A mobile gateway was born




Wikipedia

en.m.wikipedia.org


W

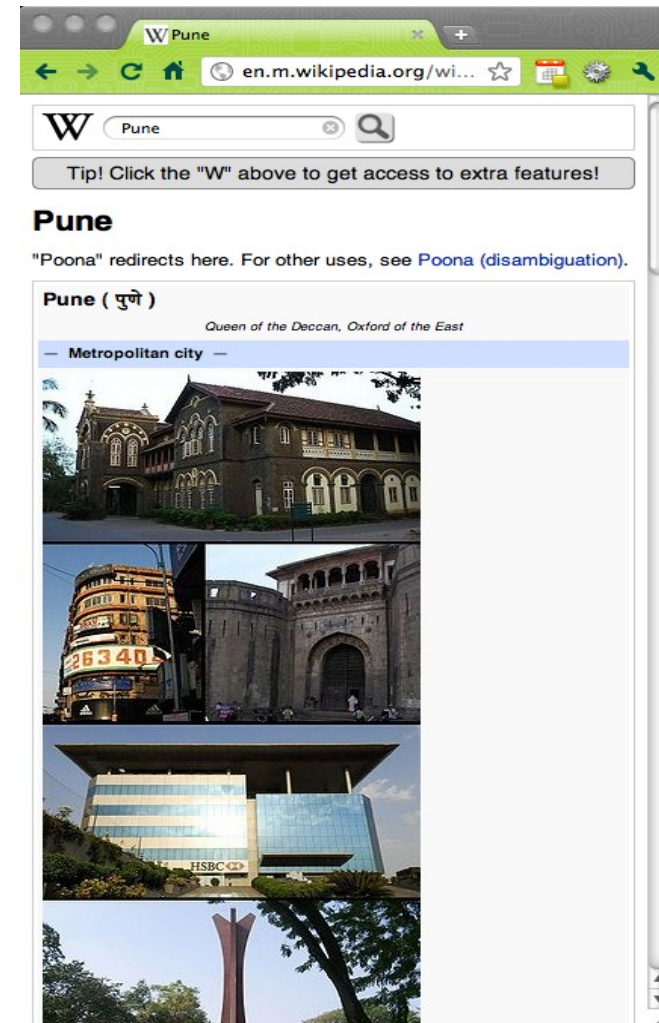
Today's Featured Article

 **Albertosaurus** is a genus of tyrannosaurid theropod dinosaur that lived in western North America during the Late Cretaceous Period, more than 70 million years ago. The type species, *A. sarcophagus*, was restricted in range to the modern-day Canadian province of Alberta, after which the genus is named. Scientists disagree on the content of the genus, with some recognizing *Gorgosaurus libratus* as a second species. As a tyrannosaurid, *Albertosaurus* was a bipedal predator with tiny, two-fingered hands and a massive head with dozens of large, sharp teeth. It may have been at the top of the food chain in its local ecosystem. Although relatively large for a theropod, *Albertosaurus* was much smaller than its more famous relative *Tyrannosaurus*, probably weighing less than 2 metric tons. Since the first discovery in 1884, fossils of more than thirty individuals have been recovered, providing scientists with a more detailed knowledge of *Albertosaurus* anatomy than is available for most other tyrannosaurids. The discovery of 22 individuals at one site provides evidence of pack behaviour and allows studies of ontogeny and population biology which are impossible with lesser-known dinosaurs. [\(more...\)](#)

Recently featured: [Herbert Greenfield – Black Friday \(1945\)](#) – [Buffalo nickel](#)

In The News

- After more than two weeks of [protests](#) across [Egypt](#), the largest crowd gathers in [Tahrir Square](#) *(pictured)* amid calls for President Hosni Mubarak's resignation. 
- A new [round of clashes](#) erupts between [Cambodian](#) and [Thai](#) soldiers over the area surrounding [Preah Vihear Temple](#).
- NASA's [STEREO](#) satellites obtain the first simultaneous images of the [entire surface](#) of the Sun.
- In American football, the [Green Bay Packers](#) defeat the [Pittsburgh Steelers](#) to win [Super Bowl XLV](#).
- The [Japan Sumo Association](#) cancels a [Grand Tournament](#) for the first time in 65 years after a [match-fixing controversy](#).
- Following an explosion affecting the [Arab Gas Pipeline](#) in [Egypt's North Sinai](#) [Governorate](#), [natural gas supplies to Israel and Jordan](#) are suspended.



W Pune

en.m.wikipedia.org/wi...

W Pune

Tip! Click the "W" above to get access to extra features!

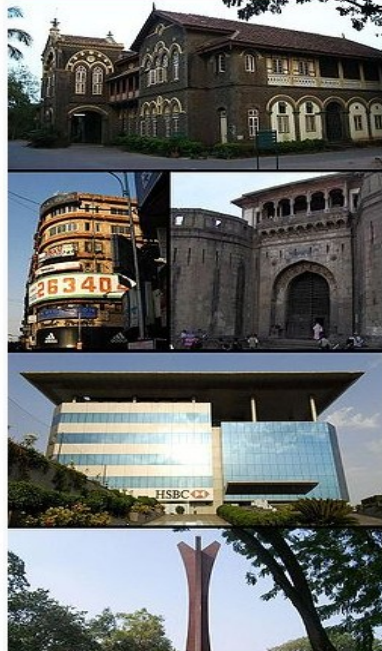
Pune

"Poona" redirects here. For other uses, see [Poona \(disambiguation\)](#).

Pune (पुणे)

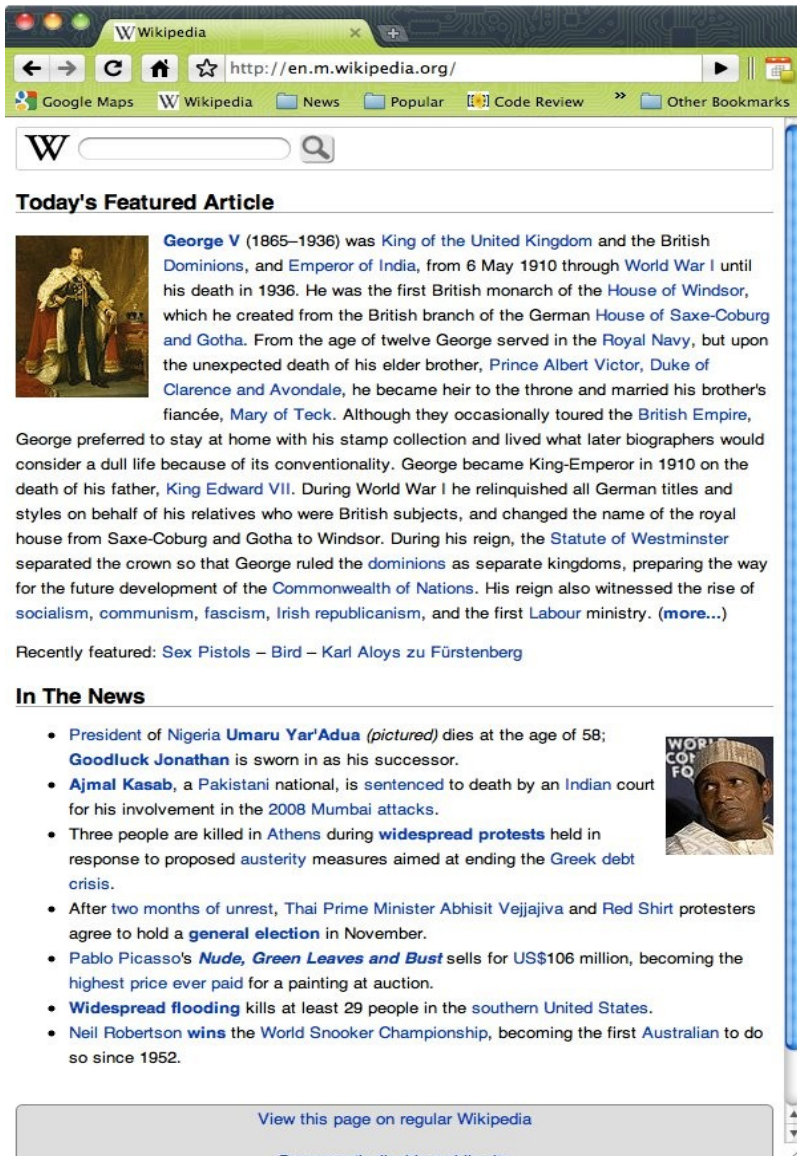
Queen of the Deccan, Oxford of the East

— Metropolitan city —



DEMO

State of Mobile



- Ruby Based
- Collapsible Sections
- Works on tons of cell phones
- Active community improving code base
- Available for 35+ Wikipedia projects

How to participate

How to help

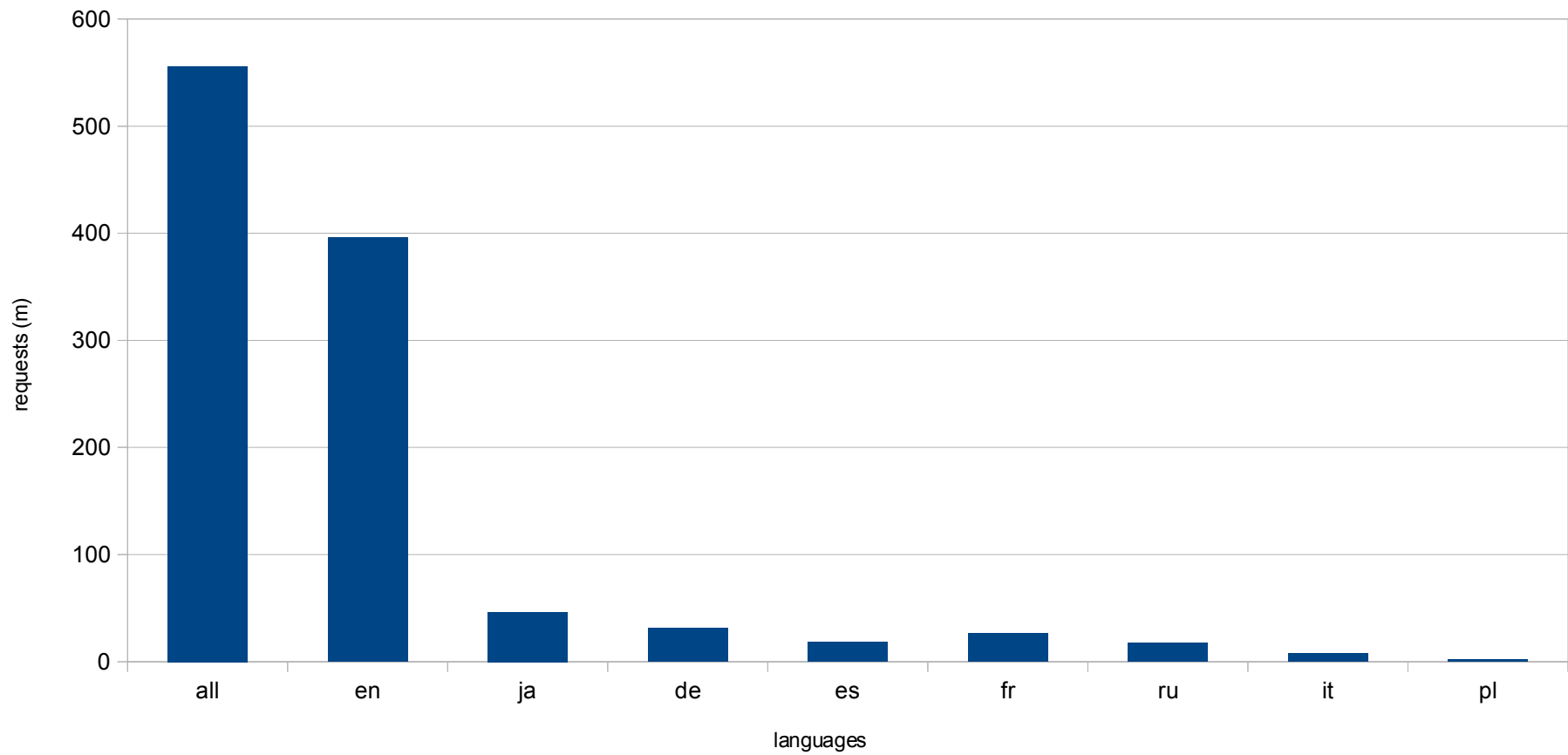
- <http://tinyurl.com/4uykd6e>
- Adding translations
- Cleaning up existing bugs

And since then we've been adding
new languages, fixing bugs, and
thinking about the future

And traffic has increased steadily

Stats

Mobile Gateway Requests



2-15% growth each month for EN

But how will the gateway work with our infrastructure in the long term?

Gateway Issues

- Ruby package releases don't coincide with bleeding edge code needed
- Developing mobile versions of Wikimedia projects requires knowledge of a new domain language
- Someone who just wants to deploy MediaWiki doesn't get a mobile version for free.
- Were duplicating architecture

So were going to port it

So were going to port it .. and we
need help

Join the discussison

http://www.mediawiki.org/wiki/Mobile_site_rewrite

New gateway by fiscal Q1 of 2011

But what about SDK's ?

iPhone Apps [See All >](#)



Wikipedia Mobile
Reference
Updated Apr 26, 2010
FREE



Wiki Hunt - The Wikipedia...
Games
Updated Apr 13, 2010
+ **\$1.99 BUY**



Wikipanion
Reference
Updated Jun 30, 2010
FREE



iWiki
Reference
Updated Feb 04, 2010
\$1.99 BUY



Wikiamo
Reference
Updated Jul 01, 2010
FREE



Wikipedia Random Article of t...
Reference
Released Jun 02, 2009
\$0.99 BUY

iPad Apps [See All >](#)



Wiki² - Wikipedia Reader f...
Reference
Updated Apr 23, 2010
\$0.99 BUY



Wiki Hunt - The Wikipedia...
Games
Updated Apr 13, 2010
+ **\$1.99 BUY**



Simplepedia for iPad - Simpl...
Reference
Updated Jun 24, 2010
FREE



OffMaps
Navigation
Updated Jun 02, 2010
+ **\$1.99 BUY**



Wikipanion for iPad
Reference
Updated Jun 03, 2010
FREE



MedAbbreviations: Medical A...
Medical
Updated Jul 06, 2010
+ **\$0.99 BUY**

Is it a healthy eco system?

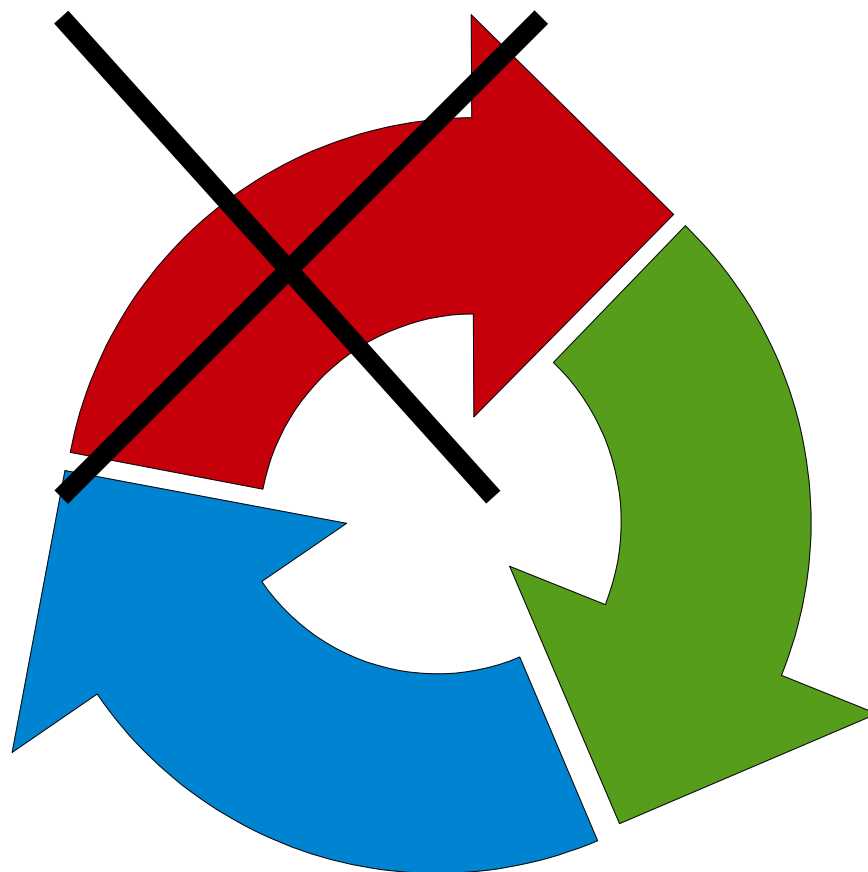
Participation



Reach

Quality

Participation



Reach

Quality

How can we facilitate participation?

How can we **contribute** on Mobile devices?

Mobile Contributions

- Rich Media Uploads
- Block level editing
- Admin tools
- Rate this article
- Pending Changes
- Mobile crowd sourcing
-

Mobile Crowd Sourcing

- Utilize mobile devices as new input tools for various Wikimedia project tasks
 - Categorize Images
 - Review pending changes
 - Help with offline releases
 - ...

Mobile Readership Ideas

- Trending Topics
- OpenStreet maps support
- Integration with social network tools
- ...

**But we'll only be able to do a small
amount of those**

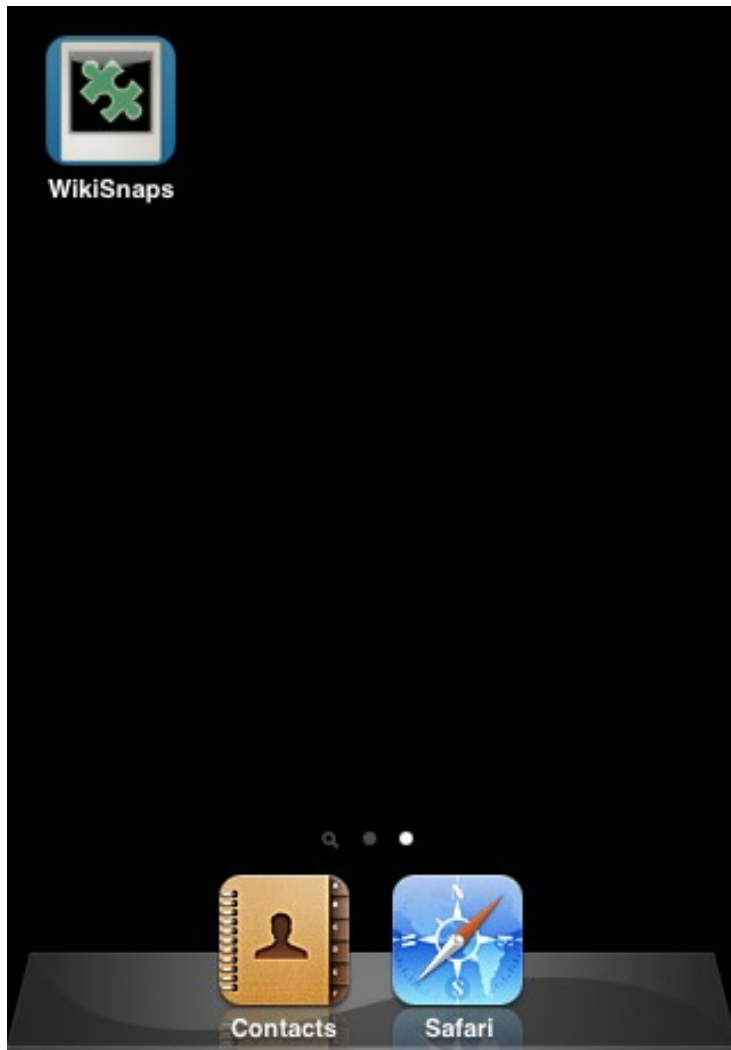
We need your help to create reference implementations for the various SDK's for basic functionality

Mobile SDK's as LABS

Recent developments

WikiSnaps

WikiSnaps



WikiSnaps



- Image goes to commons

<http://www.mediawiki.org/wiki/WikiSnaps>

But where is the Android version?



**Come help us create it in room 407
right after this session**

Questions

Tomasz Finc - tomasz@wikimedia.org

~

www.wikimediafoundation.org

<http://wikitech.wikimedia.org/view/Presentations>