# Team-Let's Encrypt

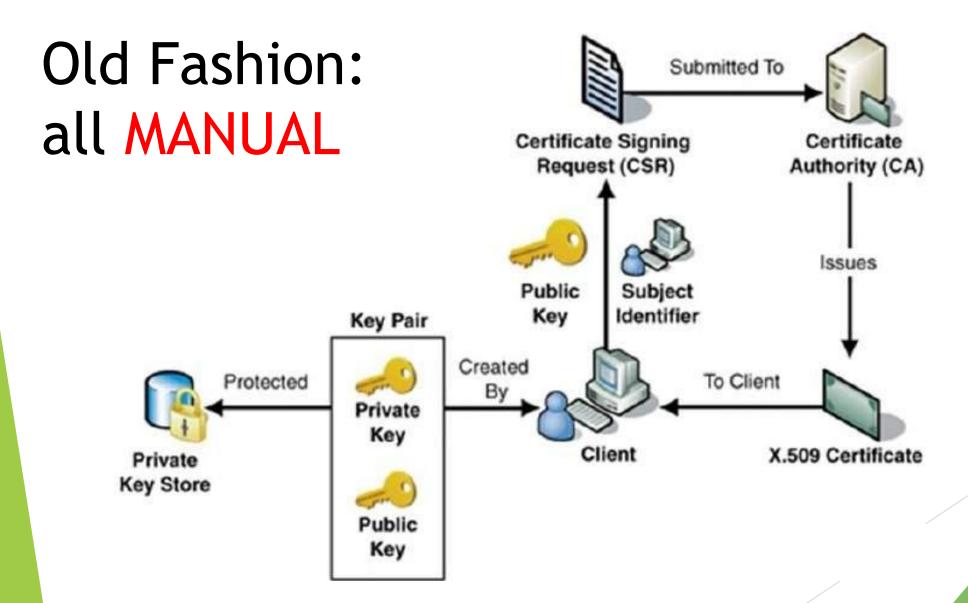
- Xilin Li
- Yu Wang
- Jing Wang
- Changliang Luo



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- Introduction
  - What is Let's Encrypt
  - Why Let's Encrypt
  - ACME Protocol
- Views and Perspectives
  - Stakeholder
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# Introduction - What's Let's Encrypt?





# Introduction - Why Let's Encrypt?

#### **Sponsors**









Technology





2015.03 2015.09 2015.12 2016.01 2015.10 2015.11 Time











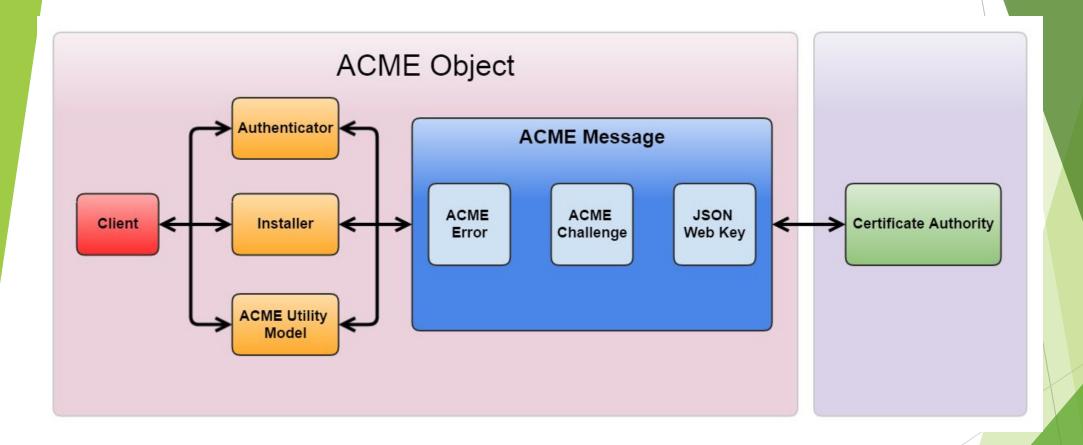




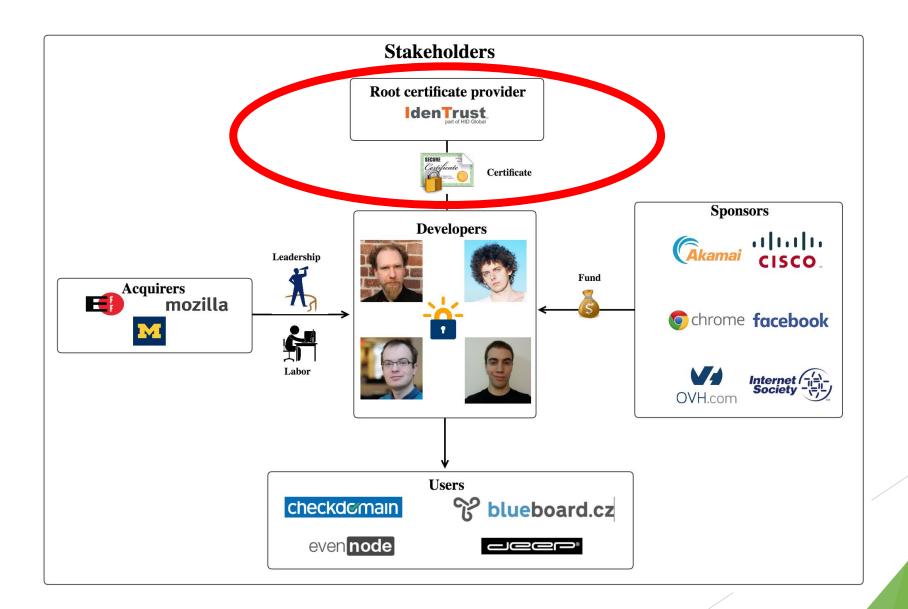




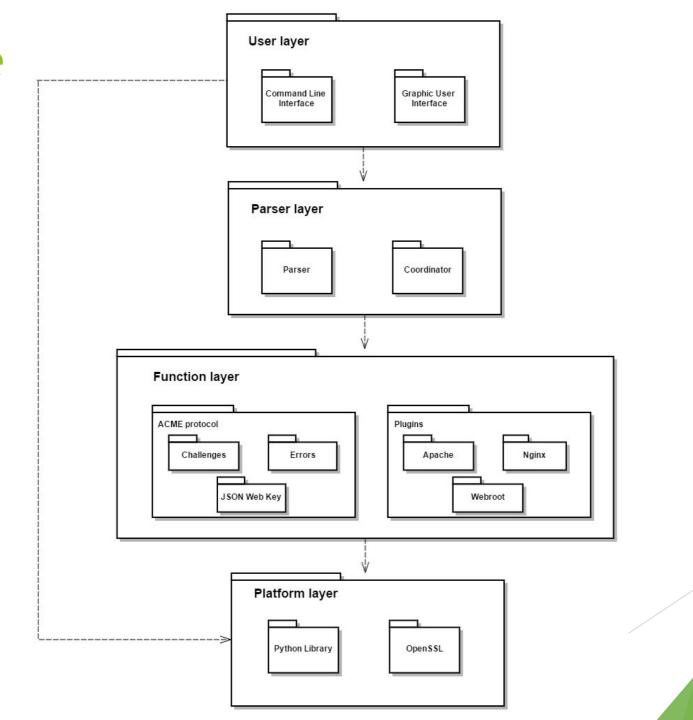
ACME Challenge



### Stakeholders



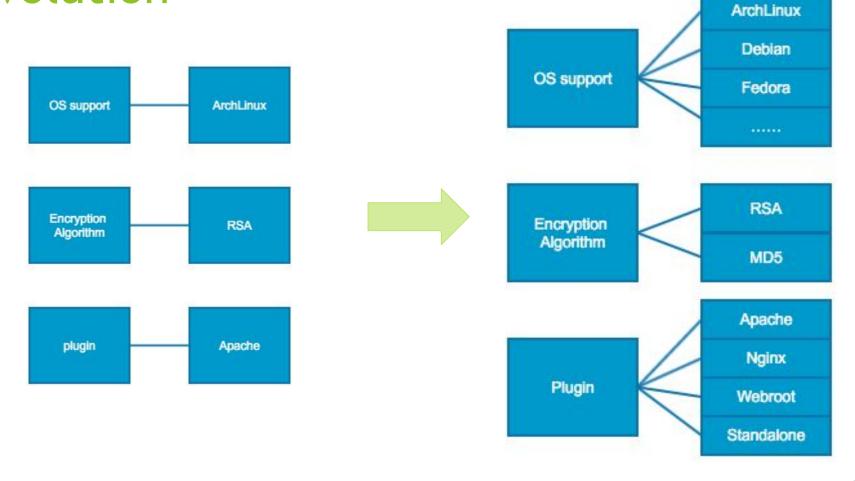
## Architecture



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### **Evolution**



# OS support

First Version: Only for Arch Linux

Current Version:Linux, Debian, Fedora, CentOS

# **Encryption Algorithm**

First Version: RSA only

Current Version: RSA, MD5 and some variants.

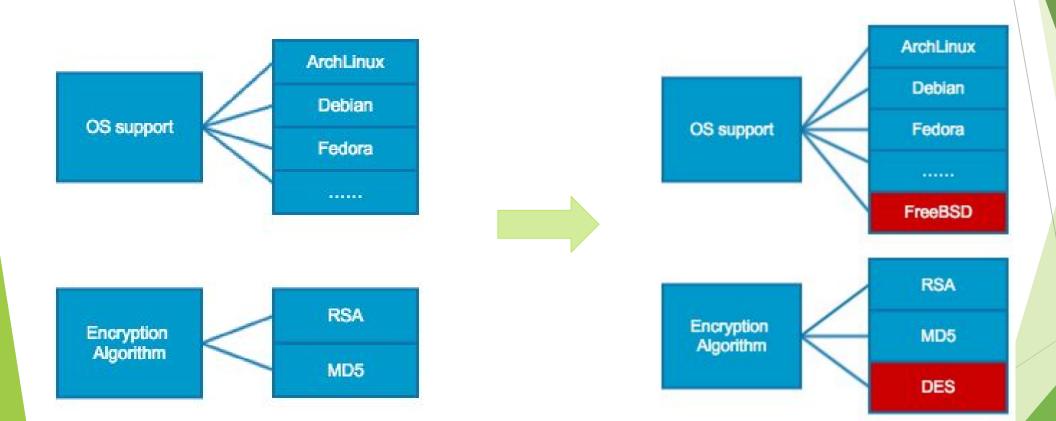
# Plugins for Web Server Support

First Version: Apache

**Current Version:** 

Multiple Versions of Apache and Nginx. Also includes Webroot plugin and Standalone plugin.

# Things need to be done



# Things need to be done

Redundancy

Unknown errors while installing.

Bugs

### Contribution

#### #2612

Content: It is a display error in the documentation of Let's Encrypt at website "Read the Docs". A command line exceeds the border of the browser window. We made a horizontal scroll to display a long text (both in rst and html) and tested it with Chrome, Firefox and Safari at Mac OSX and Ubuntu.

#### #2659

Content: The documentation of Let's Encrypt is not so friendly to newcomers. Since Let's Encrypt is based on ACME protocol, we proposed to add a link to ACME specification. The accept of the request takes some time because the link added was not up to date and we fixed it later.



#### bmw commented on 8 Mar

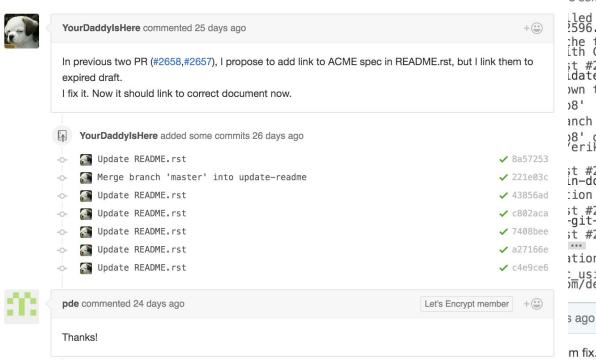
Let's Encrypt member

### Contribution

Travis failures are unrelated to this PR. Merging master into this PR or rebasing will fix the problem.

@jsha: I'm not too worried about one off integration test failures, but here's a log where create\_db.sh failed to run to completion.

erikrose and others added some commits on 3 Mar



led via pipstrap) instead d9dcb4c the to avoid a class of √ 70beb0b Lth C-based p... ··· √ 06f20b3 t #2601 from √ 2f5cb49 own third-party plugins √ 99382b9 anch 'pip8'" ... 37f482a 08' of 'erikrose/letsencrypt into √ c1fdbc6 √ 55f21d7 st #2623 from in-doc ··· :ion to Integration √ 37ceca4 st #2624 from -git-fix ... √ 3bafd4f st #2631 from √ 135469b ation text——fix format 14f595d using format' of m/delftswa2016/le... ... √ 3f6c3a7

m fix.

nde added the documentation label 24 days ago

pde commented 24 days ago

(Squashed and merged)

entation label 28 days ago

Let's Encrypt member + (2)

f6c3a7 into letsencrypt:master

View details

Q&A