Team-Let's Encrypt

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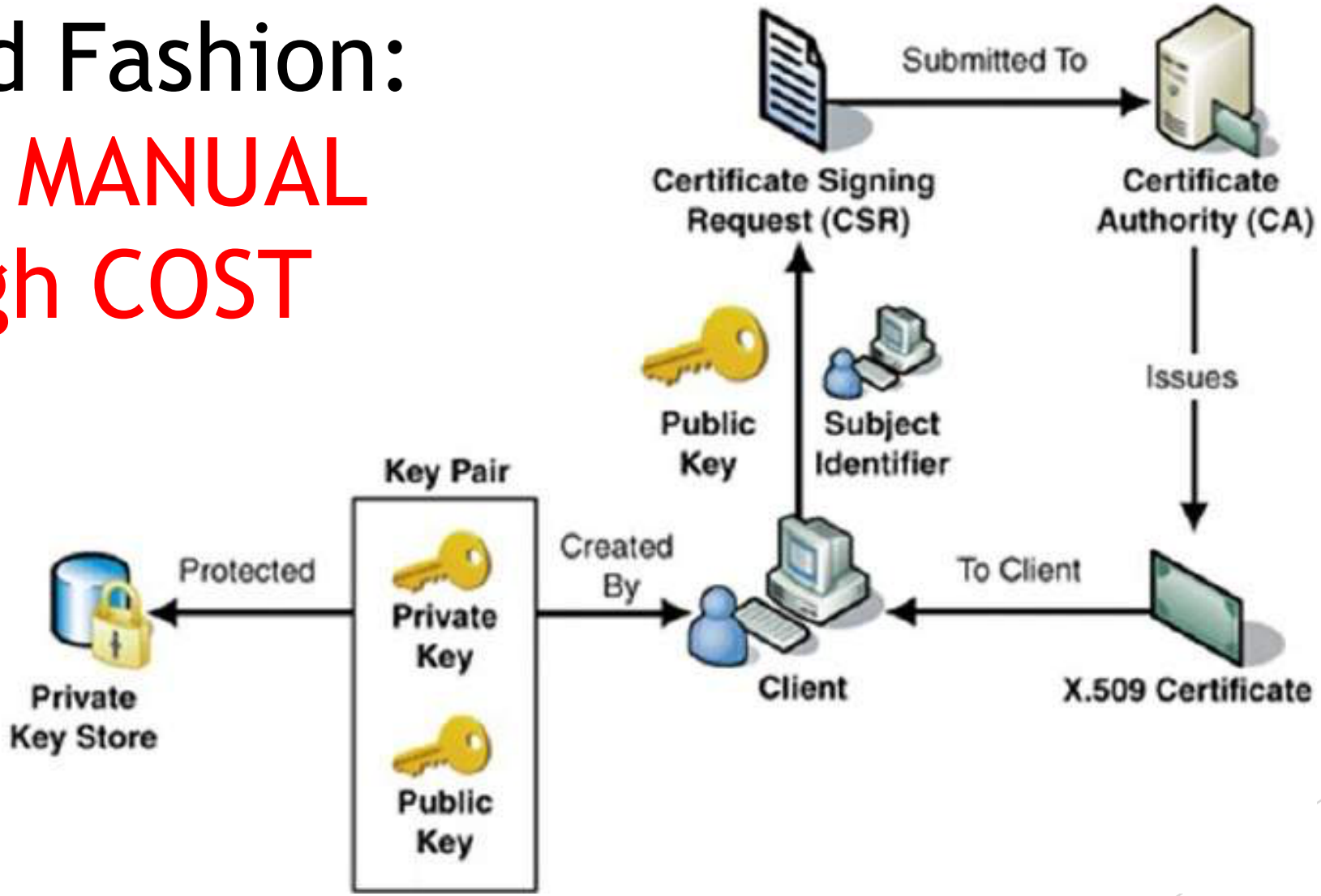
Before Let's Encrypt

Old Fashion:
all MANUAL
high COST



Fees for SSL certificate

What's Let's Encrypt

- Download for free:

  https://letsencrypt.org/getting-started/

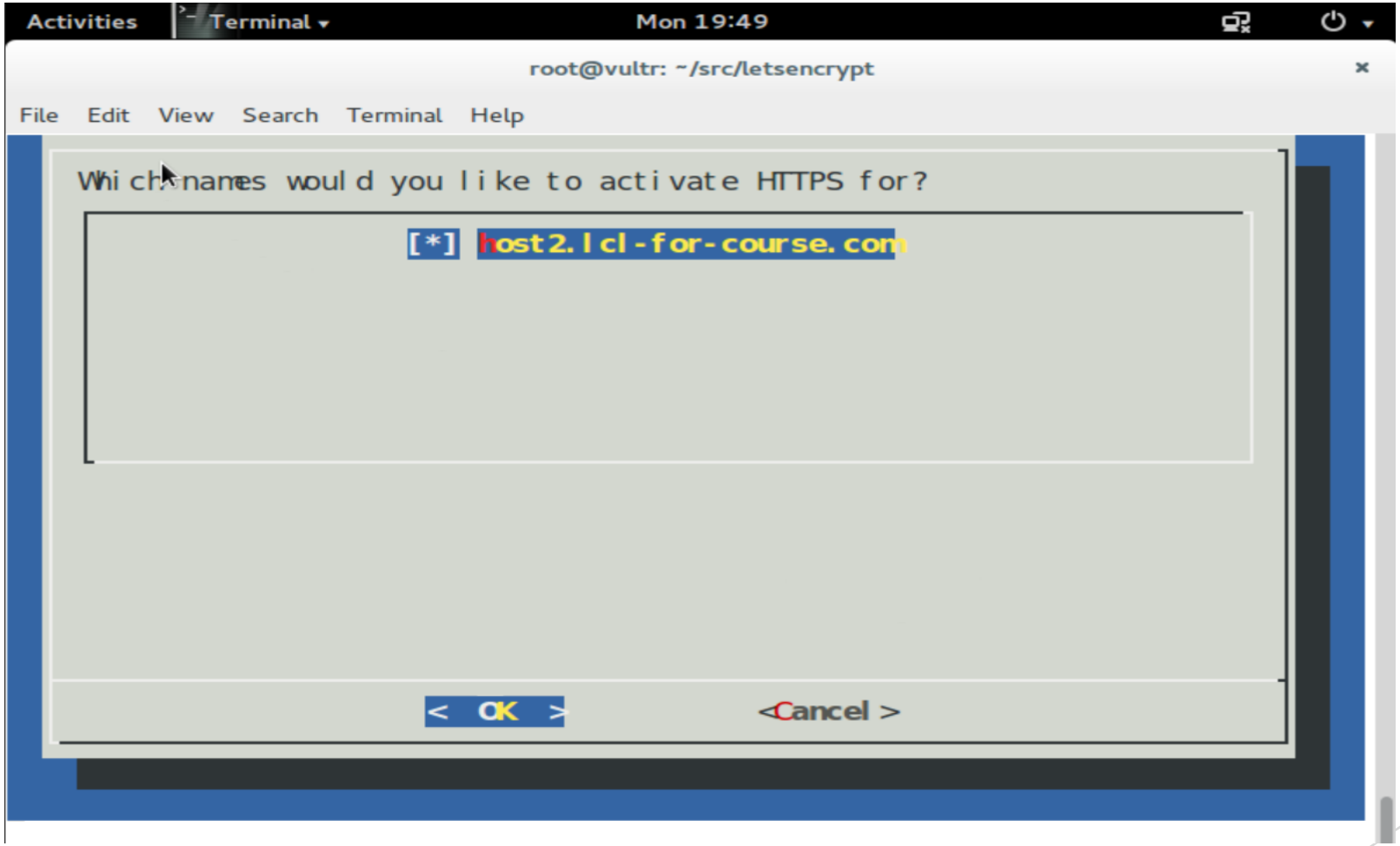
- Install Let's Encrypt and Obtain certificate with one instruction:

  letsencrypt-auto

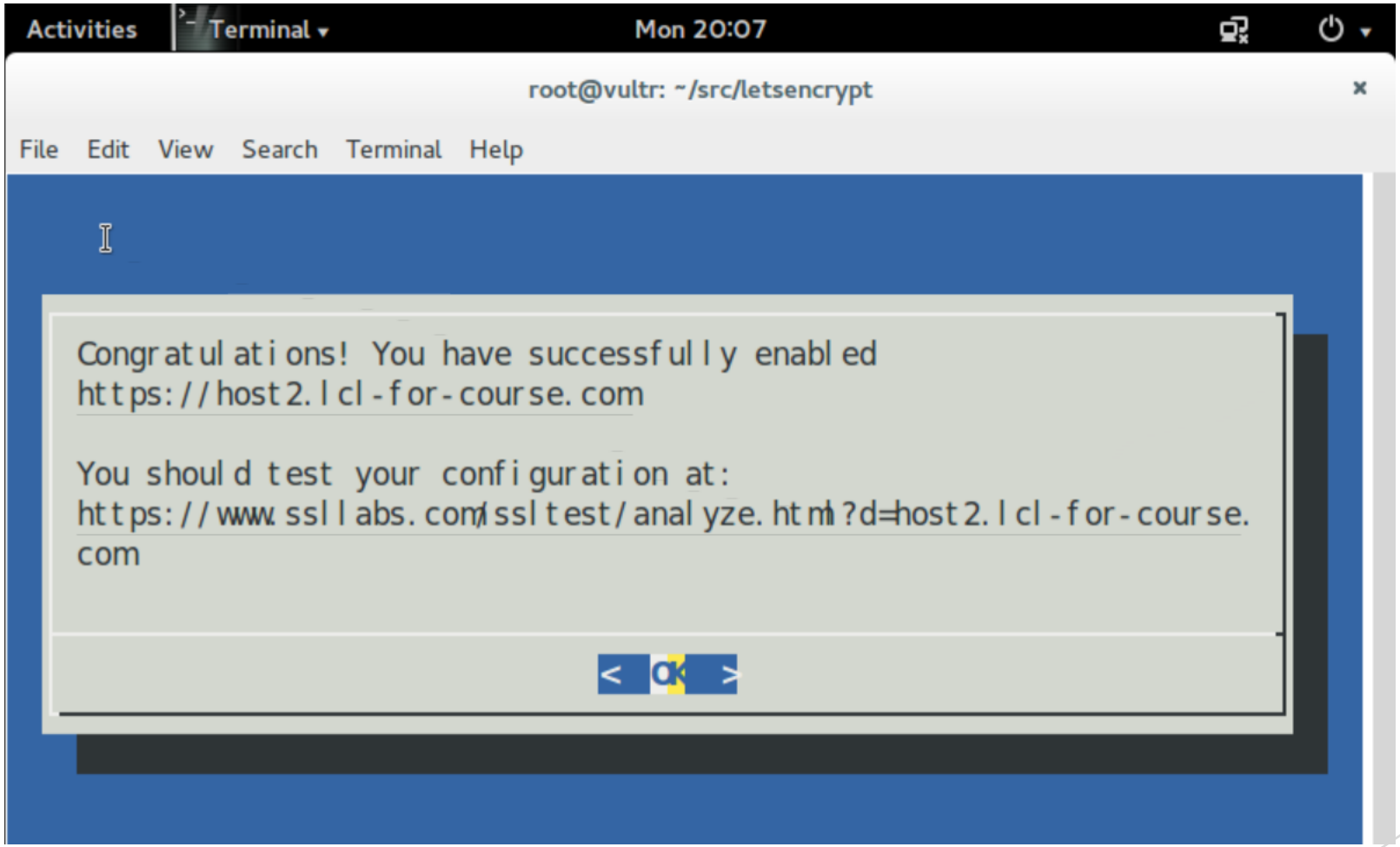
- Renew certificate with one instruction:

  letsencrypt renew

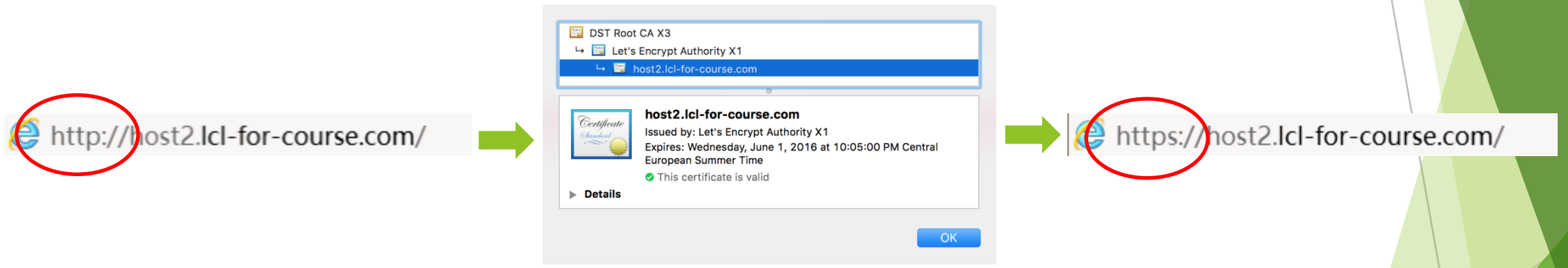
Interface


Activities
Terminal
Mon 19:49
root@vultr: ~/src/letsencrypt
File Edit View Search Terminal Help
Which names would you like to activate HTTPS for?
[*] host2.lcl-for-course.com
< OK >
<Cancel >

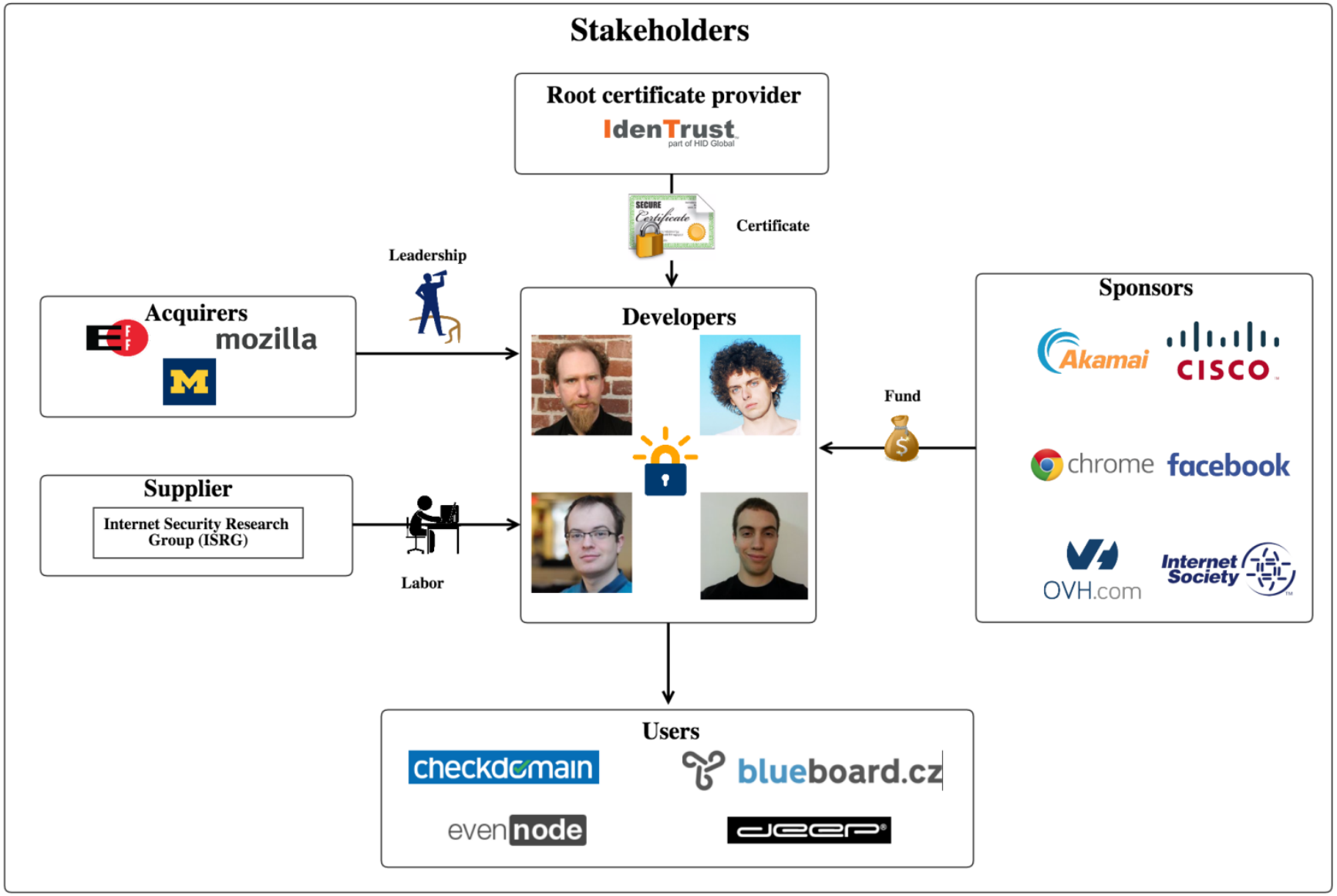
Interface


Activities
Terminal
Mon 20:07
root@vultr: ~/src/letsencrypt
File Edit View Search Terminal Help
Congratulations! You have successfully enabled
https://host2.lcl-for-course.com
You should test your configuration at:
https://www.ssllabs.com/ssltest/analyze.html?d=host2.lcl-for-course.
com
< OK >

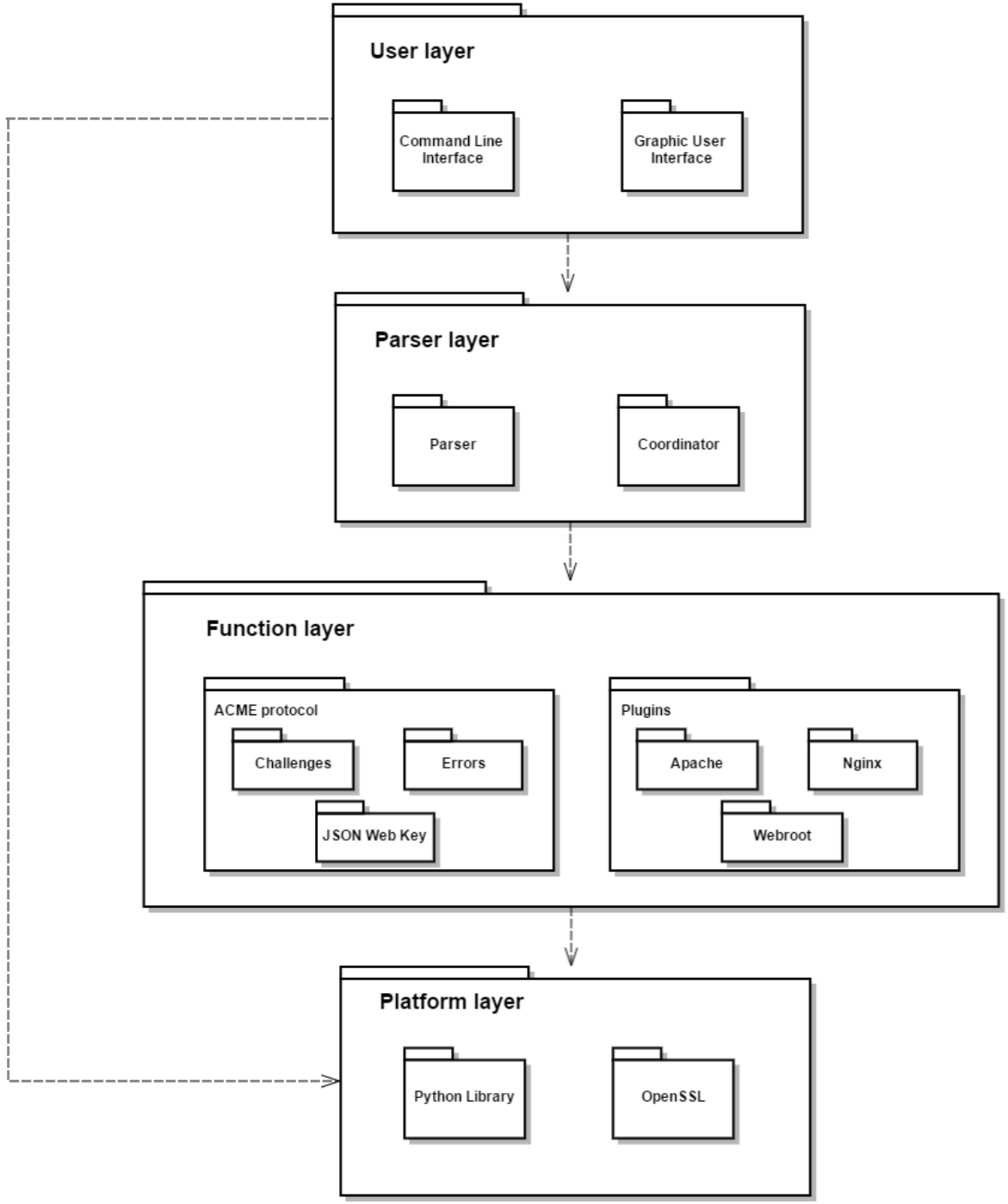
HTTP->HTTPS


http://host2.lcl-for-course.com/
DST Root CA X3
Let's Encrypt Authority X1
host2.lcl-for-course.com
host2.lcl-for-course.com
Issued by: Let's Encrypt Authority X1
Expires: Wednesday, June 1, 2016 at 10:05:00 PM Central European Summer Time
This certificate is valid
Details
OK
https://host2.lcl-for-course.com/

Stakeholders



Architecture



Main Issues

- Compatibility with OS like Debian
- Bugs with web server like nginx
- Documentation
- Some dead code and dead loop with out of date notes, making the code very hard to read

Plan

- Improve the documentation
- remove some dead code and dead loop

Q&A