



eltic-Plus⁺

Smart Connected World



Celtic-Plus Proposers Day
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Encrypted Cloud Platform PEPS

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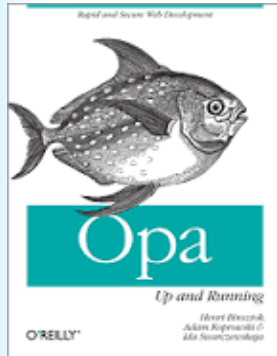


Teaser

- Cloud platforms are increasingly popular
 - Analogy with electricity production in factories
- But raises major concerns
 - Who controls the data?
 - How is privacy treated?
- PEPS proposes to use end-to-end encryption to manage confidential data while being interoperable with cloud platforms and services

Organisation Profile

- MLstate is a Paris-based startup
 - Author of the open source Opa web security technology
 - Main focus: open source PEPS platform
- Winner of the French Ministry of Research competition I-LAB
- Member of the OPTET EU Project
- Team lead: 2 PhDs in Computer Science, plus engineers



Proposal Introduction (1)



PEPS

PEPS server **cannot** access any user data.

Client-side encryption and decryption uses **private keys**, which are never sent to the server.

Client-side encryption for chat messages.

Client-side encryption for emails.

Client-side encryption for files.





Proposal Introduction (2)



- Outcome:
 - A cloud-based platform to handle confidential data
 - Compatible with major cloud platforms
 - That has a rich set of APIs to be easily integrated in other applications
- Impact
 - Provide technical barriers to control data
 - Enhance privacy of end-users (business and citizens)
- Schedule: +-2 years project

Partners

- European Cloud platforms
- Data providers
- Data consumers



WE NEED YOU

For more information and for interest to participate please contact:



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