TECHNISCHE UNIVERSITÄT DRESDEN

Faculty of Computer Science Institute of Systems Architecture, Chair of Privacy and Data Security

Anonymous Credentials in Web Applications

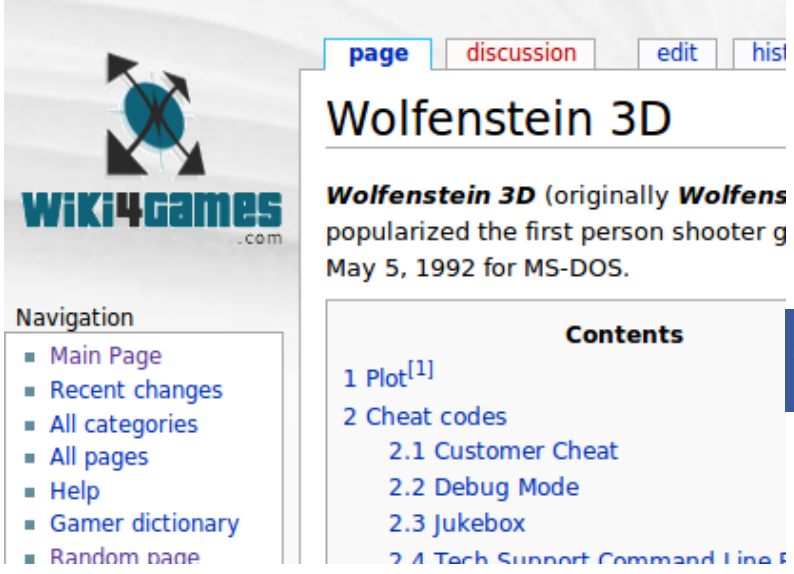
A Child's Play with the PRIME Core

Benjamin.Kellermann@tu-dresden.de
D19E 04A8 8895 020A 8DF6
0092 3501 1A32 491A 3D9C

Immanuel.Scholz@tu-dresden.de
EC9D D587 BDF0 0199 CE39
37B8 FFAE CFEF 5707 11EA

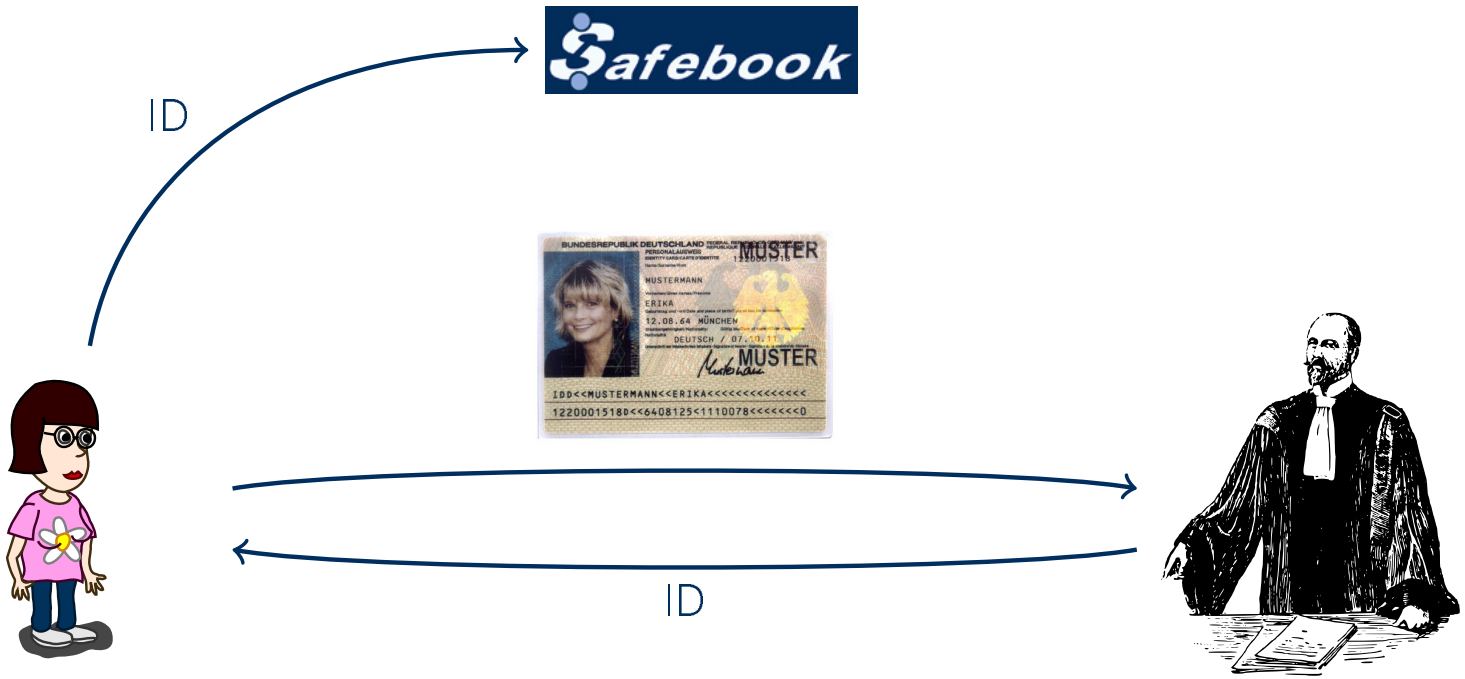
Nice, September 10, 2009

Possible Example Applications

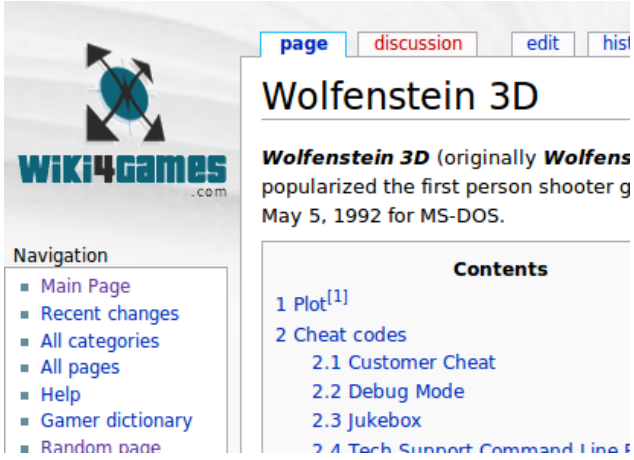


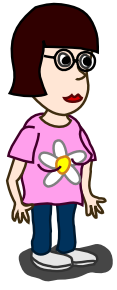
Possible Example Applications

Naive Implementation



Naive Implementation





Solution

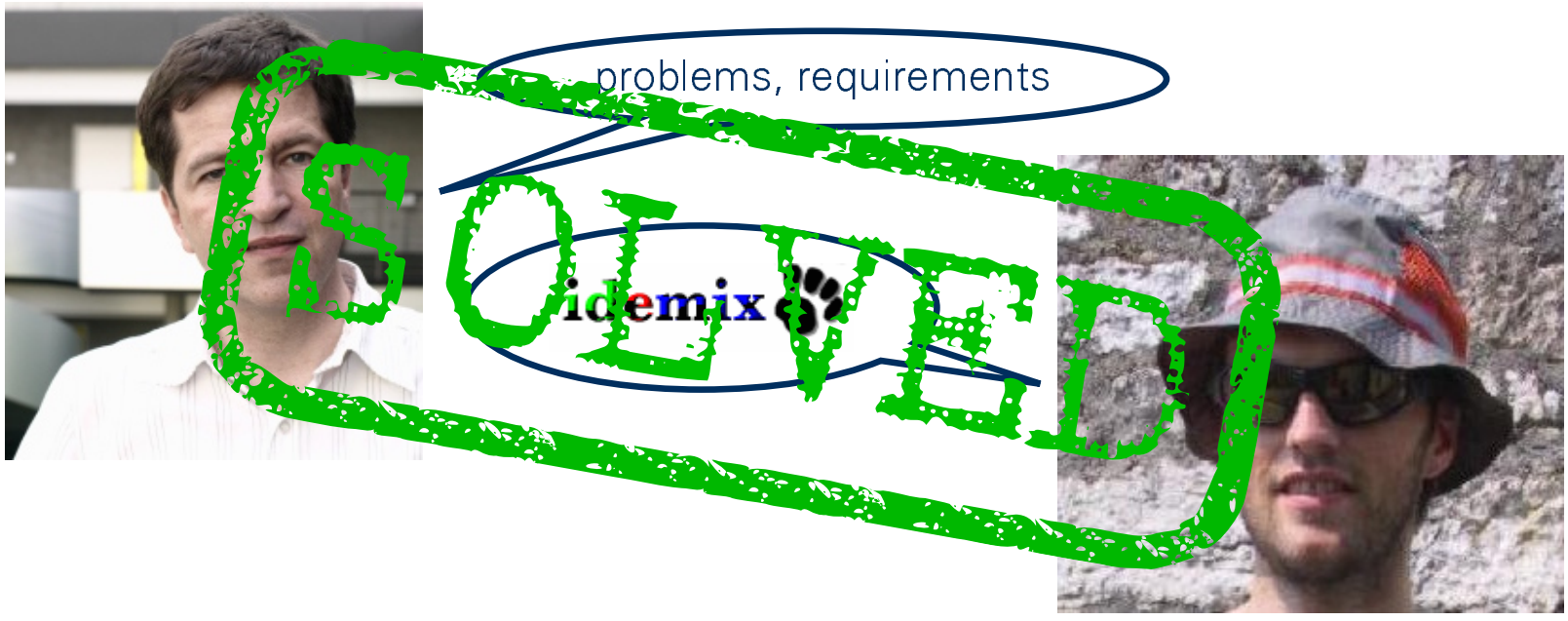
problems, requirements

Solution

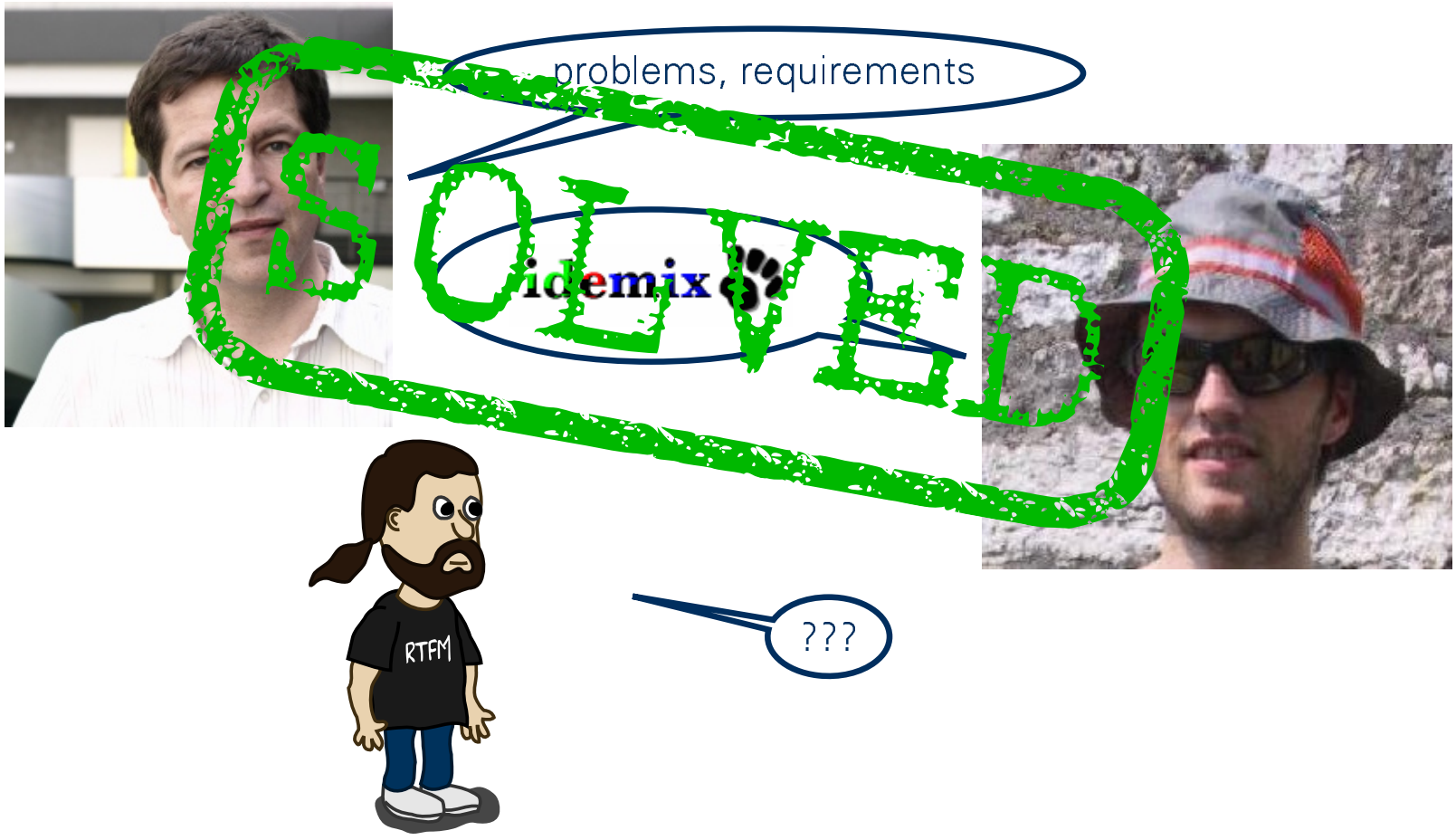
problems, requirements

idemix

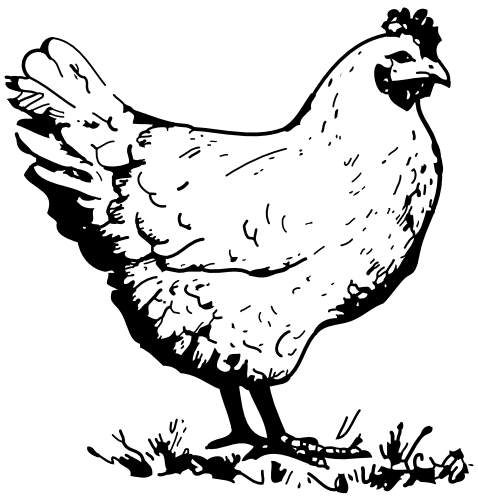
Solution

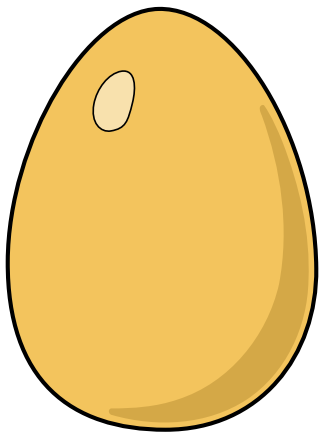


Solution



Problem



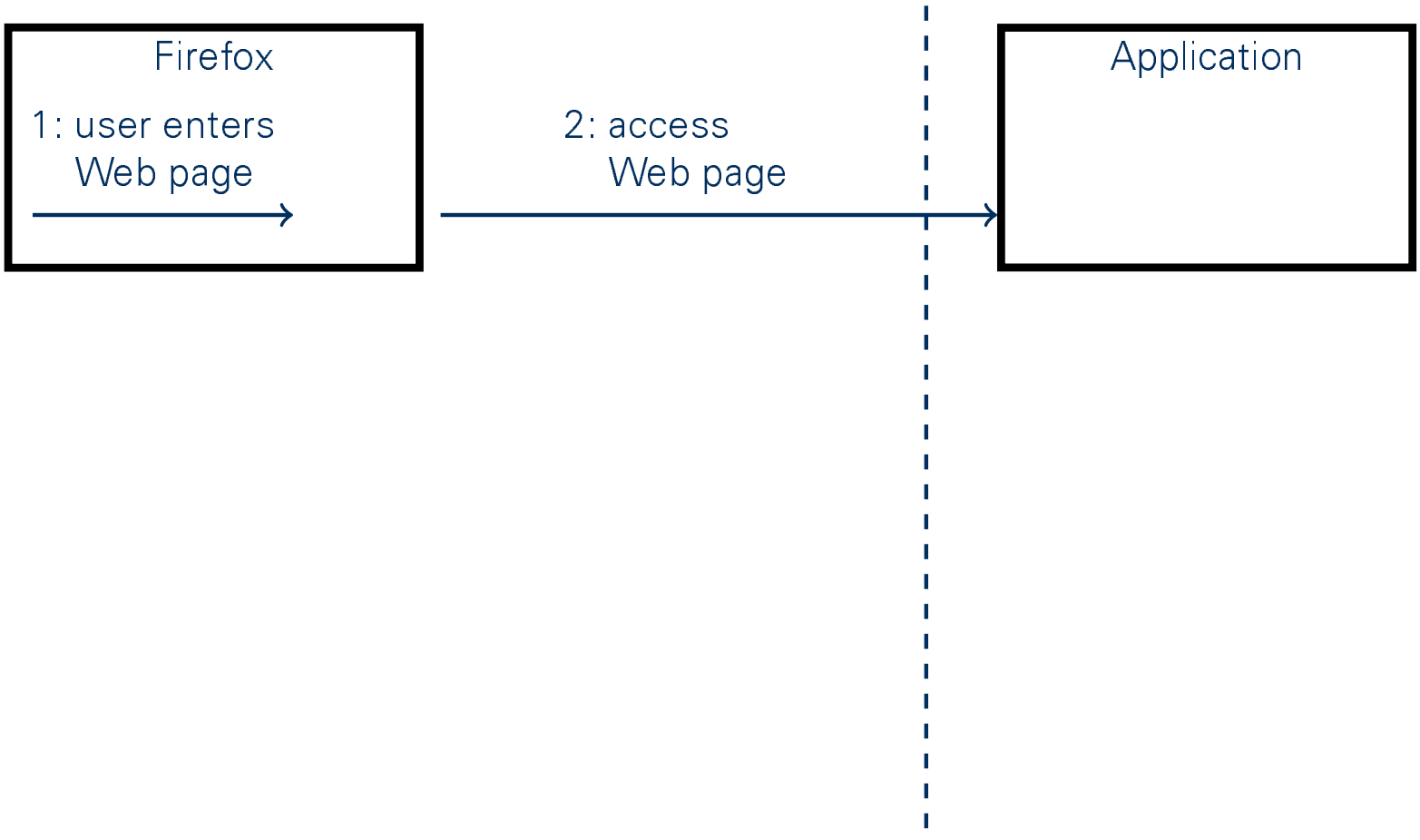


Comparison – PGP

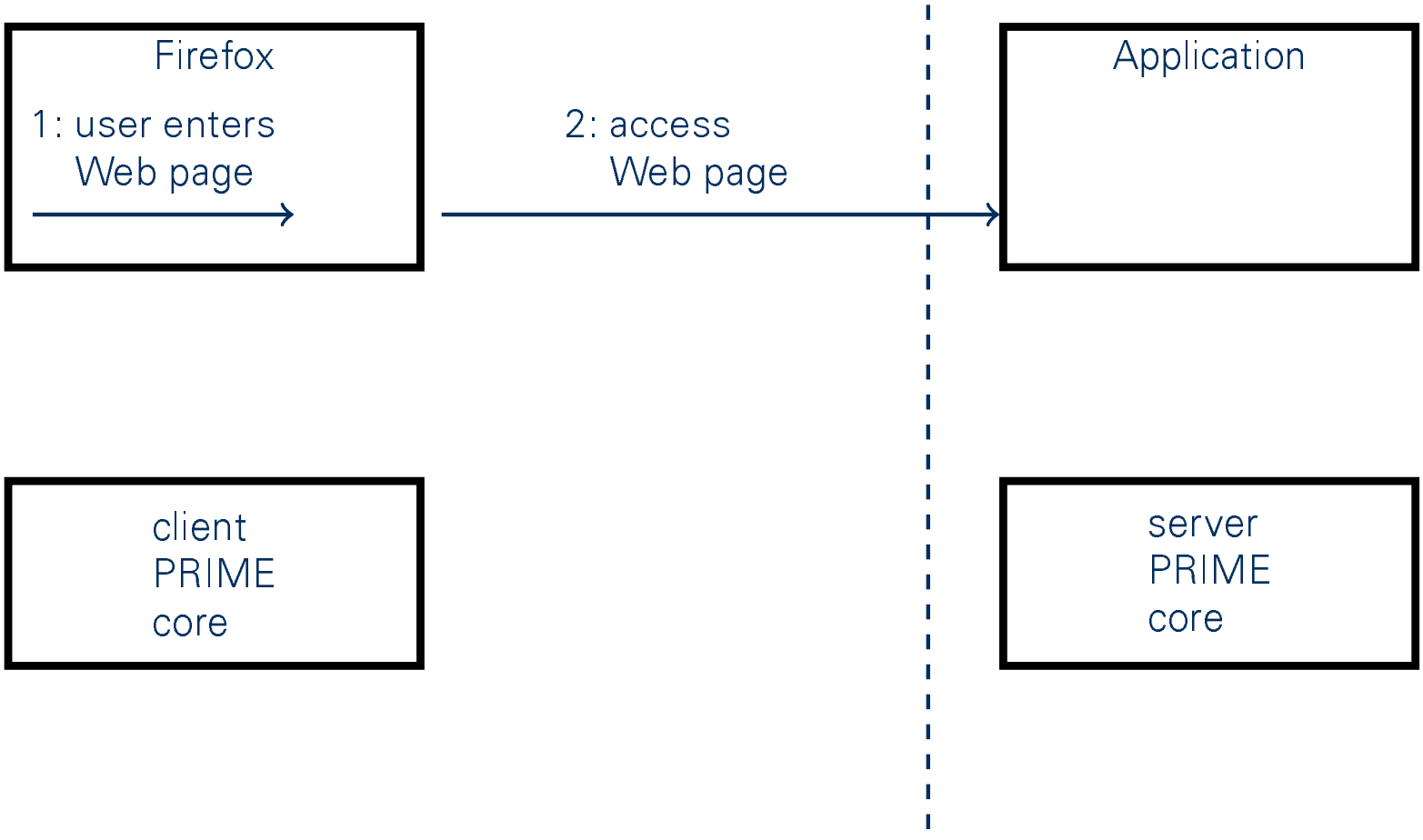
Comparison – PGP

Comparison – PGP

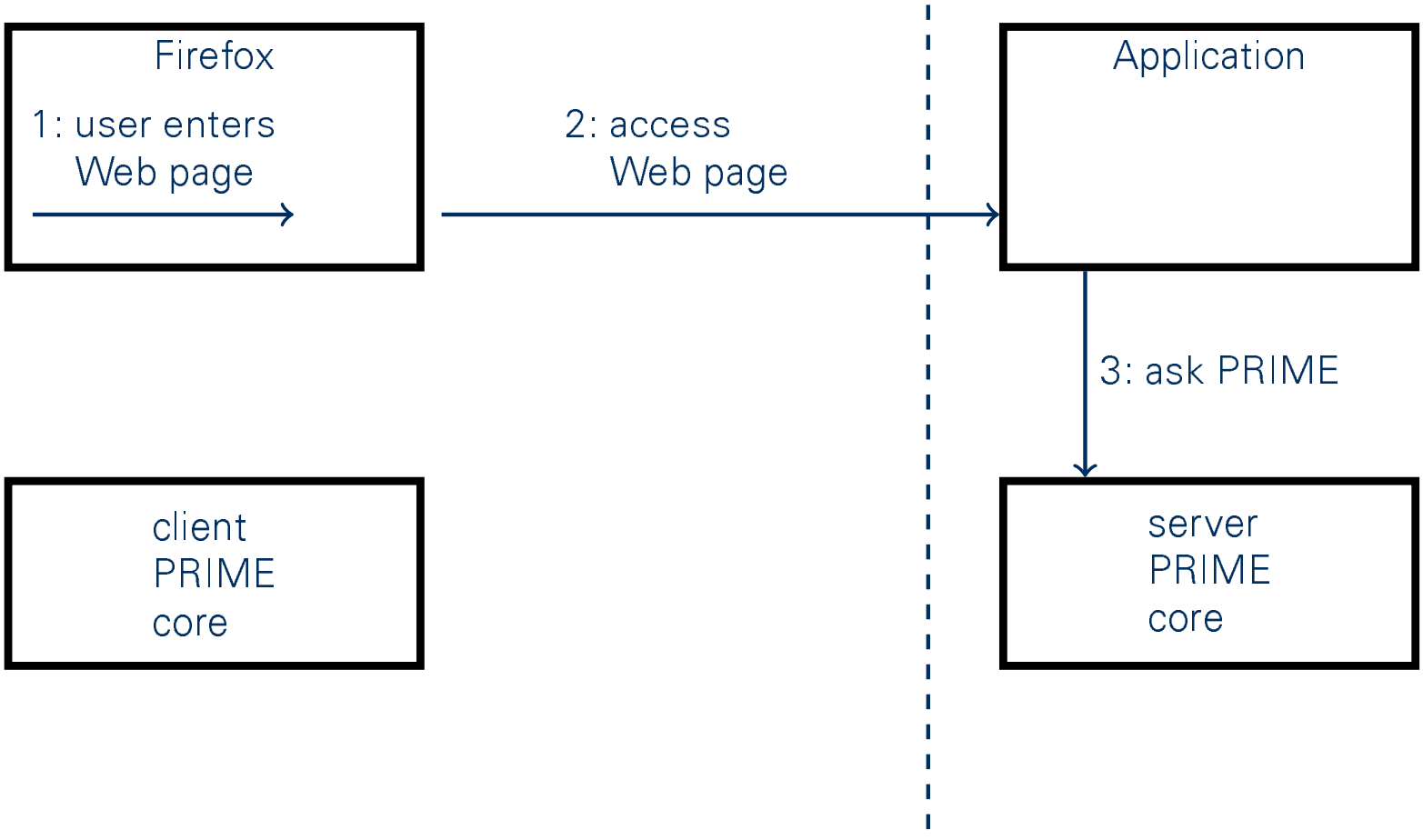
Prime Architecture



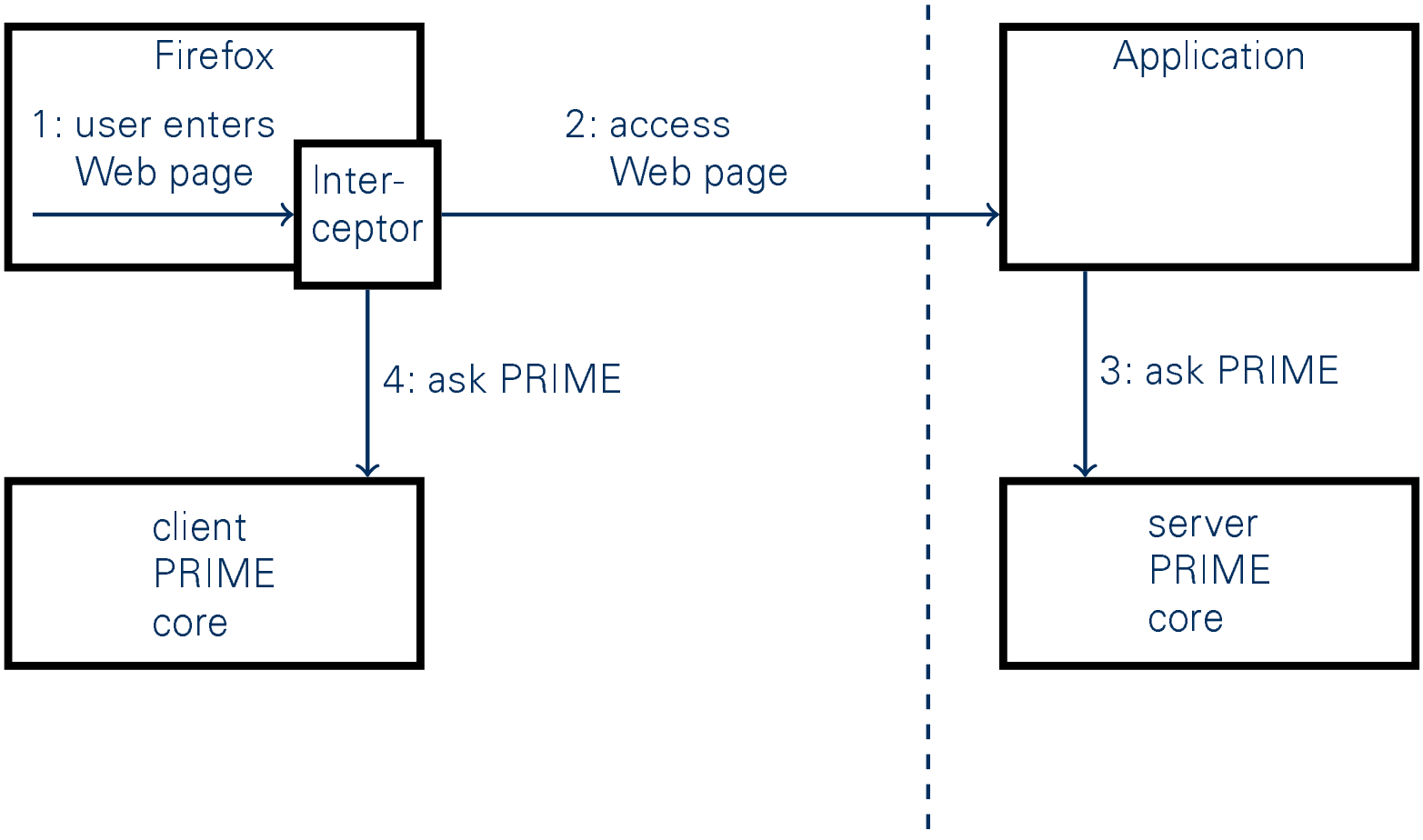
Prime Architecture



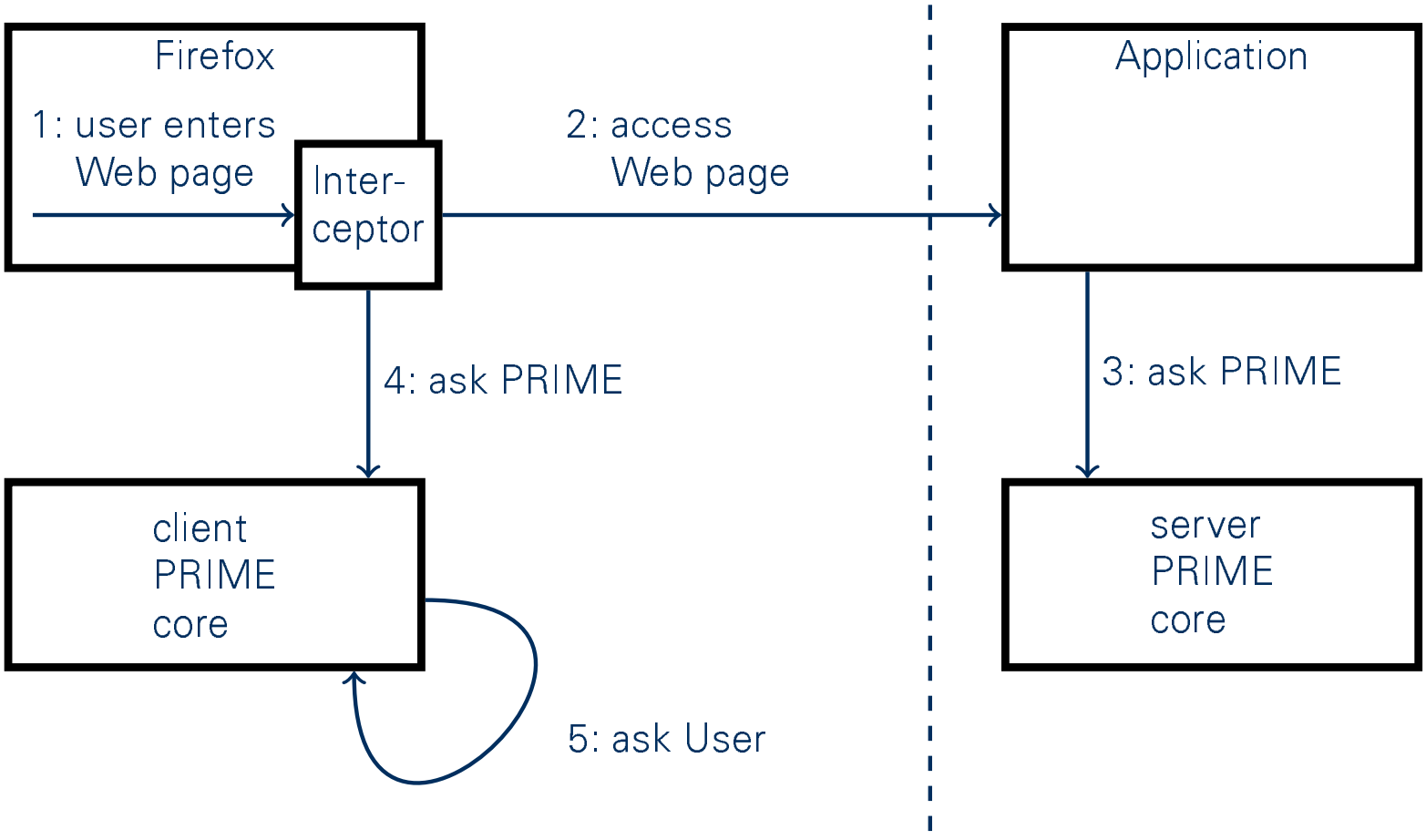
Prime Architecture



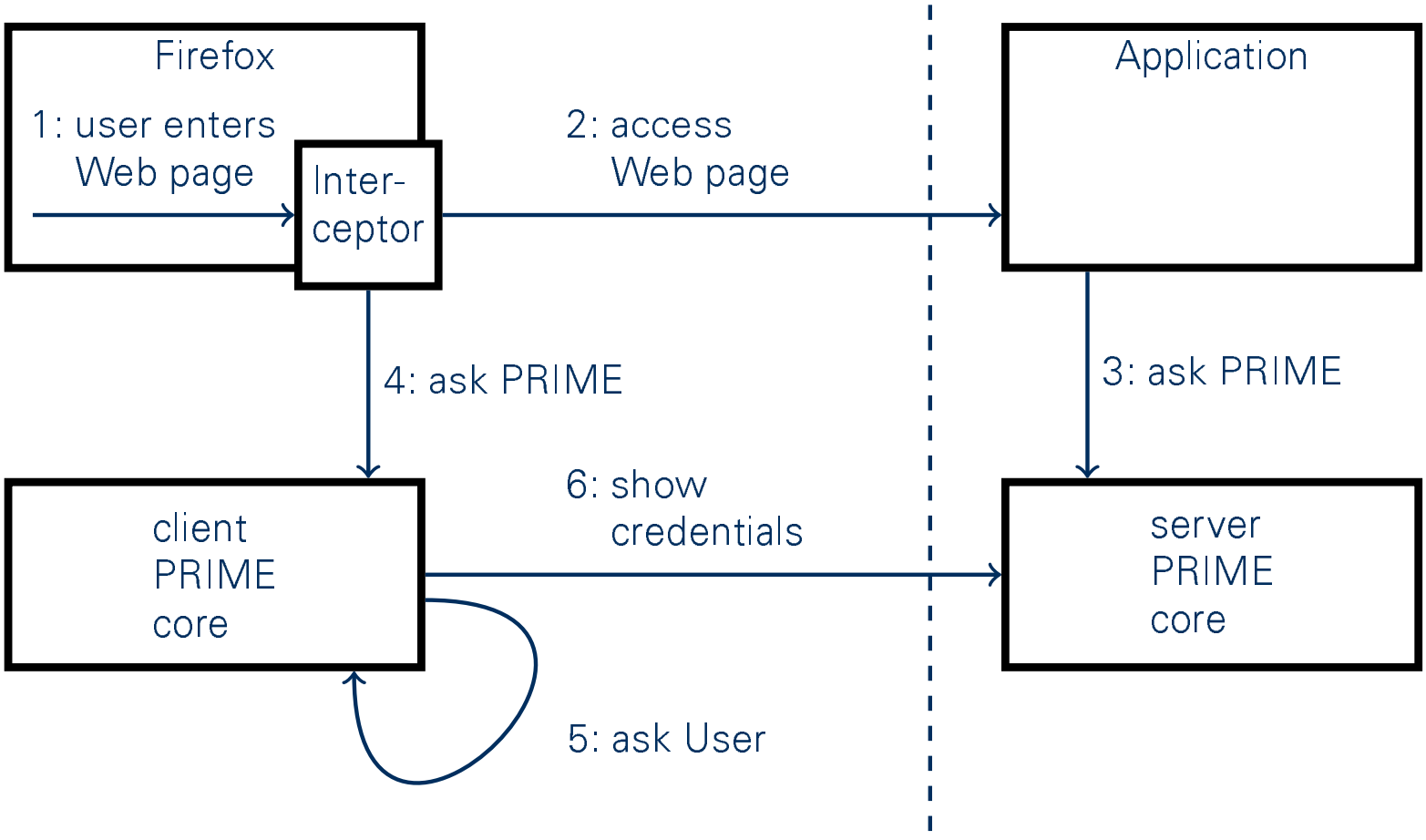
Prime Architecture



Prime Architecture



Prime Architecture



Demo

Live Demonstration

Warning, Bugs around

Conclusion

- Developers need easy Toolkit
- 10 lines of additional code for anonymous credentials!
- easy to use interface
- good tutorial documentation
- easy to set up issuing service

TECHNISCHE UNIVERSITÄT DRESDEN

Faculty of Computer Science Institute of Systems Architecture, Chair of Privacy and Data Security

Thank you for your attention!

Discussion

Benjamin.Kellermann@tu-dresden.de
D19E 04A8 8895 020A 8DF6
0092 3501 1A32 491A 3D9C

Immanuel.Scholz@tu-dresden.de
EC9D D587 BDF0 0199 CE39
37B8 FFAE CFEF 5707 11EA

Nice, September 10, 2009