

TrustBase



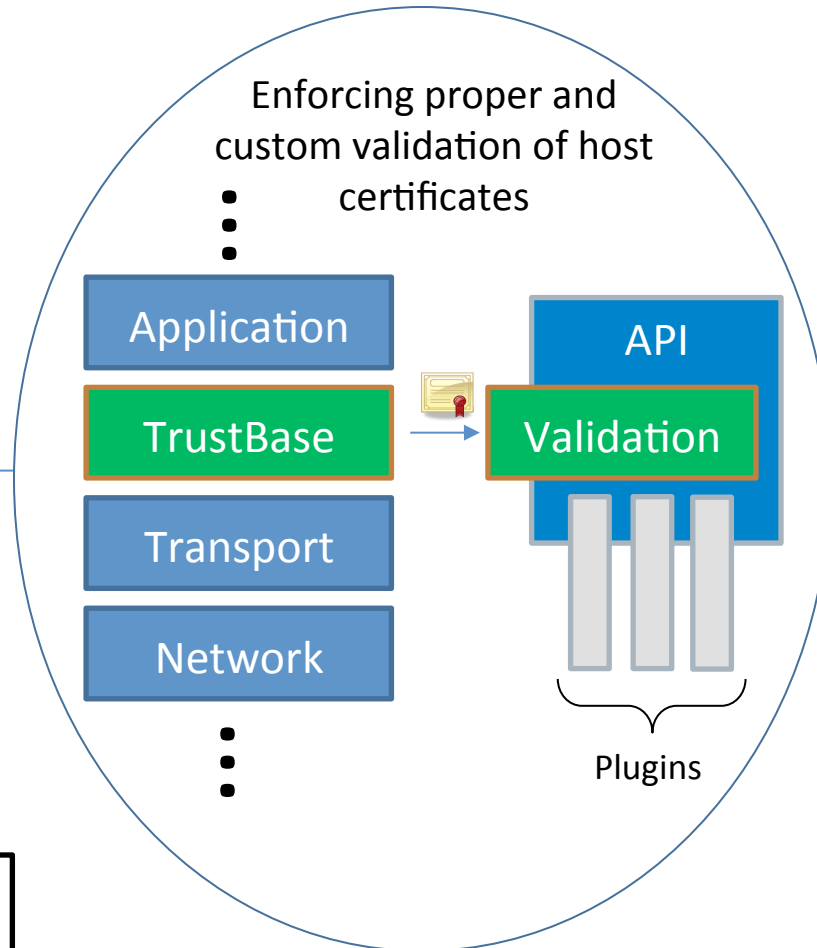
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Challenge:

- Application developers improperly validate X.509 certificates
- Untrustworthy or coerced Certificate Authorities undermine the current system
- Alternatives to the system have no common platform for deployment and test

Solution:

- Authentication as an operating system service
- Plugins provide flexible deployment of authentication services



Scientific Impact:

- All applications can now be forced to properly validate certificates
- Security researchers now have a platform on which to deploy and test certificate authority alternatives

Broader Impact:

- System administrators now have full control over how authentication is performed on their systems
- One step closer to security as a service, just like file system, network, and memory access

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