

Validation Server for OpenPGP keys

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github.com/TNG/gpg-validation-server (github.com/TNG/gpg-validation-server)

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About TNG



- value-based consulting partnership
- based in Munich
- ~240 employees
- focus on high-end software development and operations
- two TechDays a month with space for own projects

GPG at TNG

- GPG setup mandatory
- TNG web of trust
- internal key server
- GPG groups for mailing lists
- ... supported by custom key sync scripts
- future plan: internal LDAP auto signer

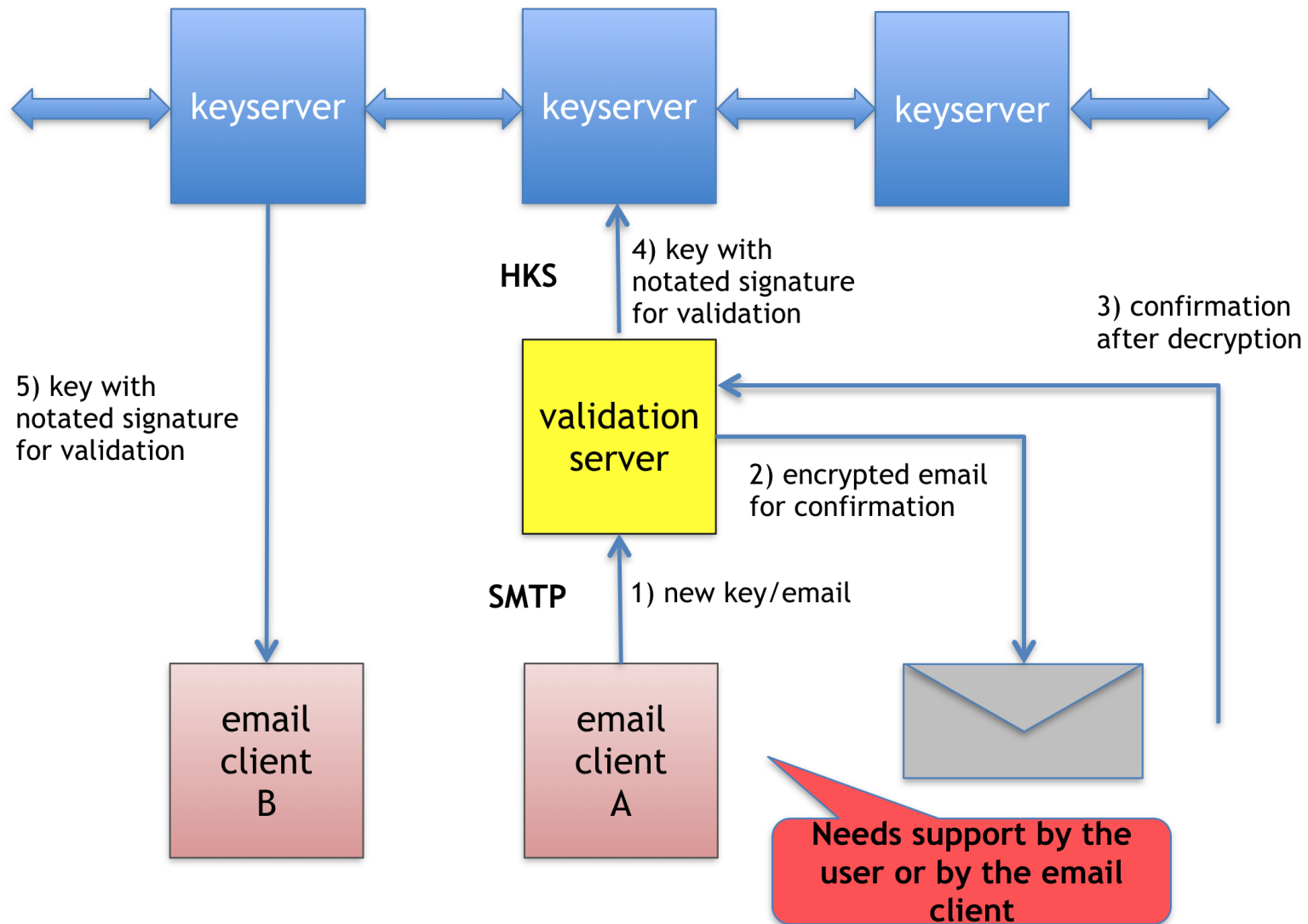
Email Validation Server

wiki.gnupg.org/OpenPGPEmailSummits-EmailValidation (https://wiki.gnupg.org/OpenPGPEmailSummits-EmailValidation)

Validates email addresses of UIDs of OpenPGP keys and signs them.

- Jul 2015, initial proposal
- Dec 2015, workshop at 2nd OpenPGP Email Summit

Concept from previous Summit



Our project

github.com/TNG/gpg-validation-server (github.com/TNG/gpg-validation-server)

- Mar 2016, Go workshop at TNG winter retreat
- Apr 2016, implementation started by four gophers at TNG
- Jul 2016, working prototype gpg-validation-server@ebke.org (mailto:gpg-validation-server@ebke.org)

Current differences to the original concept

- no upload to key servers
- no special signature
- no signature expiry or revocation
- handles any incoming signed mail, encrypted or unencrypted

Nice things

- light-weight and robust approach
- integrates with existing WoT infrastructure
- privacy preserving, no connections between users can be inferred

Thank you

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