

Grundlagen Informationssicherheit und
Datensicherheit,
Blatt 5

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Problem 1: Firewalls with nftables

(a)

Problem 2: Web of Trust and PGP

(a)

key 05CC90595550B319: public key "Alice <alice@wonderland.org>"
was signed by:
Flash <flash@starlabs.com>,
Hulk_ <hulk@biggreen.cc>,
Eve__ <eve@evilgenius.net>

key 17AADF4E9291BD4A: public key "Bob__ <bob@krustykrab.com>"
was signed by:
Alice <alice@wonderland.org>,
Derpy <derpy@ponymail.com>,
Flash <flash@starlabs.com>

key 40E9917DFCE86AEA: public key "Charlie <charlie@moderntimes.com>"
was signed by:
Bob__ <bob@krustykrab.com>,
Eve__ <eve@evilgenius.net>,
Alice <alice@wonderland.org>

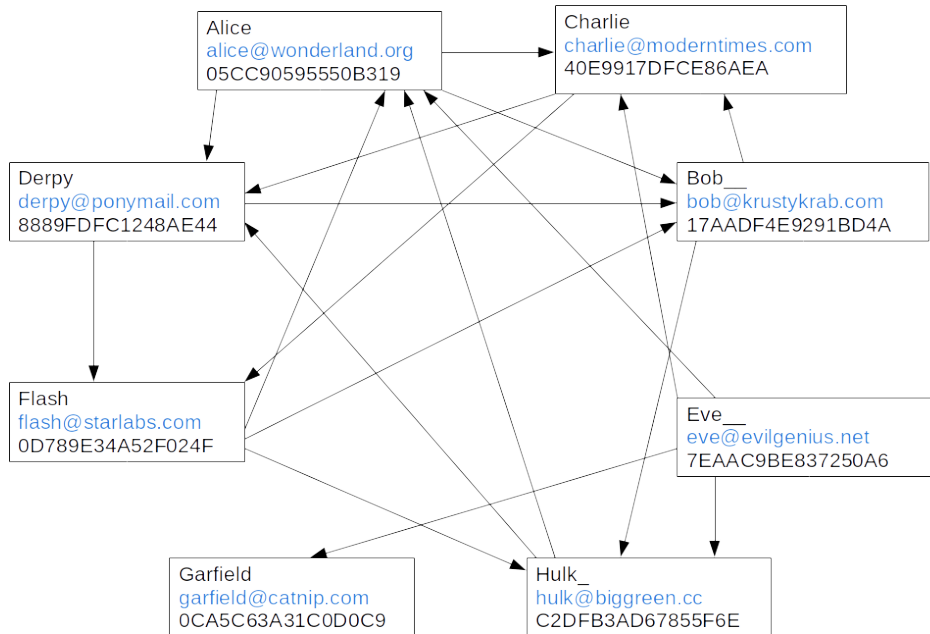
key 8889FDFC1248AE44: public key "Derpy <derpy@ponymail.com>"
was signed by:
Hulk_ <hulk@biggreen.cc>,
Charlie <charlie@moderntimes.com>,
Alice <alice@wonderland.org>

key 7EAAC9BE837250A6: public key "Eve__ <eve@evilgenius.net>"
was signed by: none

key 0D789E34A52F024F: public key "Flash <flash@starlabs.com>"
was signed by:
Derpy <derpy@ponymail.com>,
Charlie <charlie@moderntimes.com>

key C2DFB3AD67855F6E: public key "Hulk_ <hulk@biggreen.cc>"
was signed by:
Eve__ <eve@evilgenius.net>,
Bob__ <bob@krustykrab.com>,
Flash <flash@starlabs.com>

key 0CA5C63A31C0D0C9: public key "Garfield <garfield@catnip.com>"
was signed by: Eve__ <eve@evilgenius.net>



(b)

Messages:

- msg0 good signature by Garfield < *garfield@catnip.com* >
- msg1 good signature by Hulk_ < *hulk@biggreen.cc* >
- msg2 bad signature by Flash < *flash@starlabs.com* >
- msg3 good signature by Derpy < *derpy@ponymail.com* >
- msg4 good signature by Eve__ < *eve@evilgenius.net* >

is Alice trustings:

- msg0 no
- msg1 yes, because of Alice \rightarrow Bob₋₋ \rightarrow Hulk₋
- msg2 yes, because of Alice \rightarrow Derpy \rightarrow Flash
- msg3 yes, because of Alice \rightarrow Derpy
- msg4 no