PGP keysigning

Andrew Cormack
and friends

Why?

Two functions of PGP

- to send secret information
- to prove origin

Already know a message relates to a key

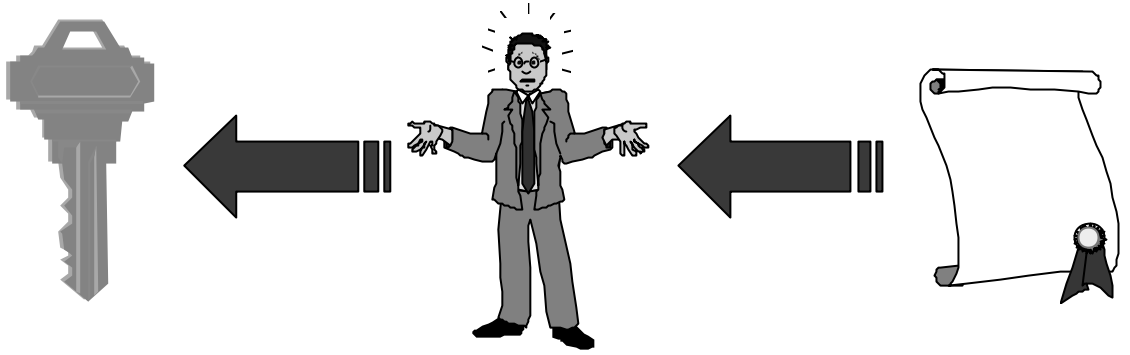
- but *not* a person

Here establish identity of owner

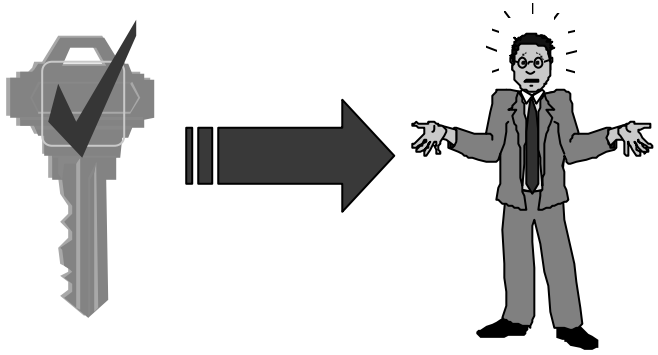
Trust can be done later, by e-mail

How?

Now



Later



What to sign?

Key looks like this

- mQENAzbbyOwAAAEIALIR3zaj1EL+SyQ46ug7JKH RNSvtXzEymiMnt1Cwn+j3rK0cUIHHoeVCFF6kIgr7k zJ7O80l9ySob/Djsh3W644nih1xglFJwT2AMtdfZ6TV 3djQRKO8U6d9QNcNrg0gpf/KmX0iugOHJGY3DY5 cLbvjZ7cMkP+GTOAReF/30l...

Fingerprint - a 128 bit hash value is better

- DDC3 B5E4 FF84 0BD3 F290 FD48 B73D 1AD9

Trusted Introducers

Follow documented procedure

Verify individuals'

- Identity
- Ownership of key

Sign keys which have been verified

Distribute signed keys to participants

Participants

May rely on trusted introducers

- and sign keys which have been signed by them
- if they are satisfied with the procedure
- and believe it has been followed correctly

Or may do their own verification

- using whatever protocol they choose