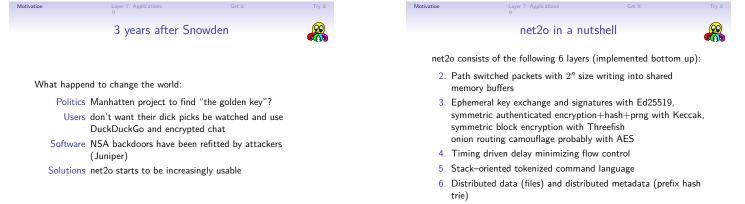
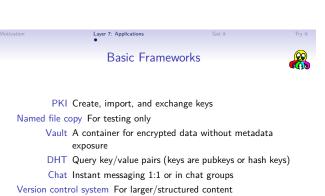
Motivation	Layer 7: Applications O	Get it	Try it	Motivation	Layer 7: Applications O	Get it	
					Outline		
	net 20 : Using net2o			Motivati	on		
	reinventing the inte	ernet			Applications Frameworks		
	Bernd Paysan			Get it			
	EuroForth 2016, Konstanz	/Reichenau		Try it			



7. Apps in a sandboxed environment for displaying content



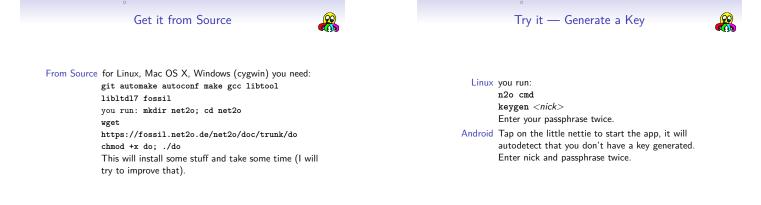
- easy to implement
- secure
- media capable
- works as overlay on current networks (UDP/IP), but can replace the entire stack



Sync to synchronize your computers (RSN)

Audio/Video Chat Real time data streaming (RSN)





Try it

Try it

CON

#### Layer 7: App Try it — get a key and chat

- To get my key, search for it (32 bit is sufficient now, but easy to attack)
- keysearch kQusJ Send me an invitation
- invite @bernd Try to chat with me
- chat euroforth@bernd
- Aquire more keys by observing a group chat. List your keys with
- n2o kevlist
- from within the chat.
- · Change networks with your Android and watch that the chat still works.
- Leave the chat with /bye or Ctrl+D (back on Android)

## Try it — Use the DVCS

- Create a directory and add a few files into it, keep a net2o instance running inside that directory with n2o cmd
- Initialize the directory init
- Add the files in the directory add \*
- ci -m "My checkin message" and check them in
- · Change a file and see what has changed diff
- Check in the changed file ci -m "Second checkin"
- Show the commit messages log

### Try it Try it — Vault en/decryption Take a file and encrypt it enc test.txt

- Show it's content cat test.txt.v2o
- Sign a file with a detached signature sign test.txt
- Verify the signature verify test.txt

# For Further Reading I



Try it

BERND PAYSAN net2o source repository and wiki

# Appendix

http://fossil.net2o.de/net2o