



pagekite
Making localhost part of the Web



The Internet

decentralized peer-to-peer

Awesome !

- 12
- 46
- 182
- 725
- 2897





The Web

distributed
client / server

Broken ?

A black and white photograph of a vintage computer room. Several women are seated at desks, operating large, complex machines with many keys and dials. The room has a wooden wall with a clock and a door in the background. The overall atmosphere is that of a busy, early 20th-century office.

Waste

Content duplication, time spent “uploading”

Privacy Problems

3rd party gatekeepers control access, data & logs

Centralization

Siloed web: Facebook, Google Plus, LinkedIn, ...

PageKite ...



A Web Overlay Network

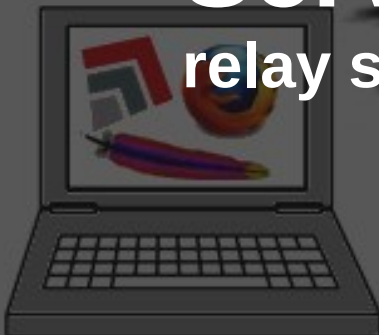


Route by name

... instead of routing by address

Servers “connect” to “the web”

relay servers on public IPs, tunnels carry the traffic



A pragmatic “works today” approach





A P2P Web

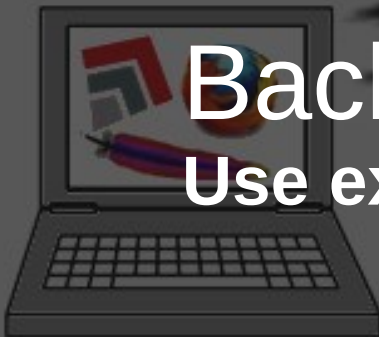
Disempowered middlemen, privacy, federation, ...

Servers Anywhere

On IPv4, IPv6, behind NAT, virtual, mobile, ...

Backwards Compatible

Use existing browsers, servers, protocols



Real-world Applications

Web Development

Tests, demos, collaboration, webhooks, ...

Private Communication

Share over the web with the recipient *only*

Internet Of Things

Remote monitoring, administration

Try it !

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github.com/pagekite

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