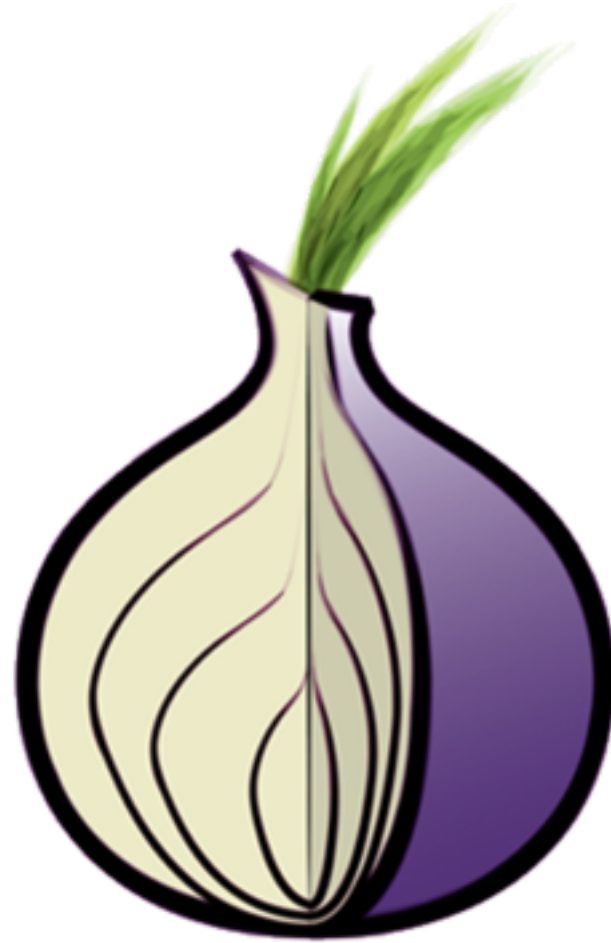


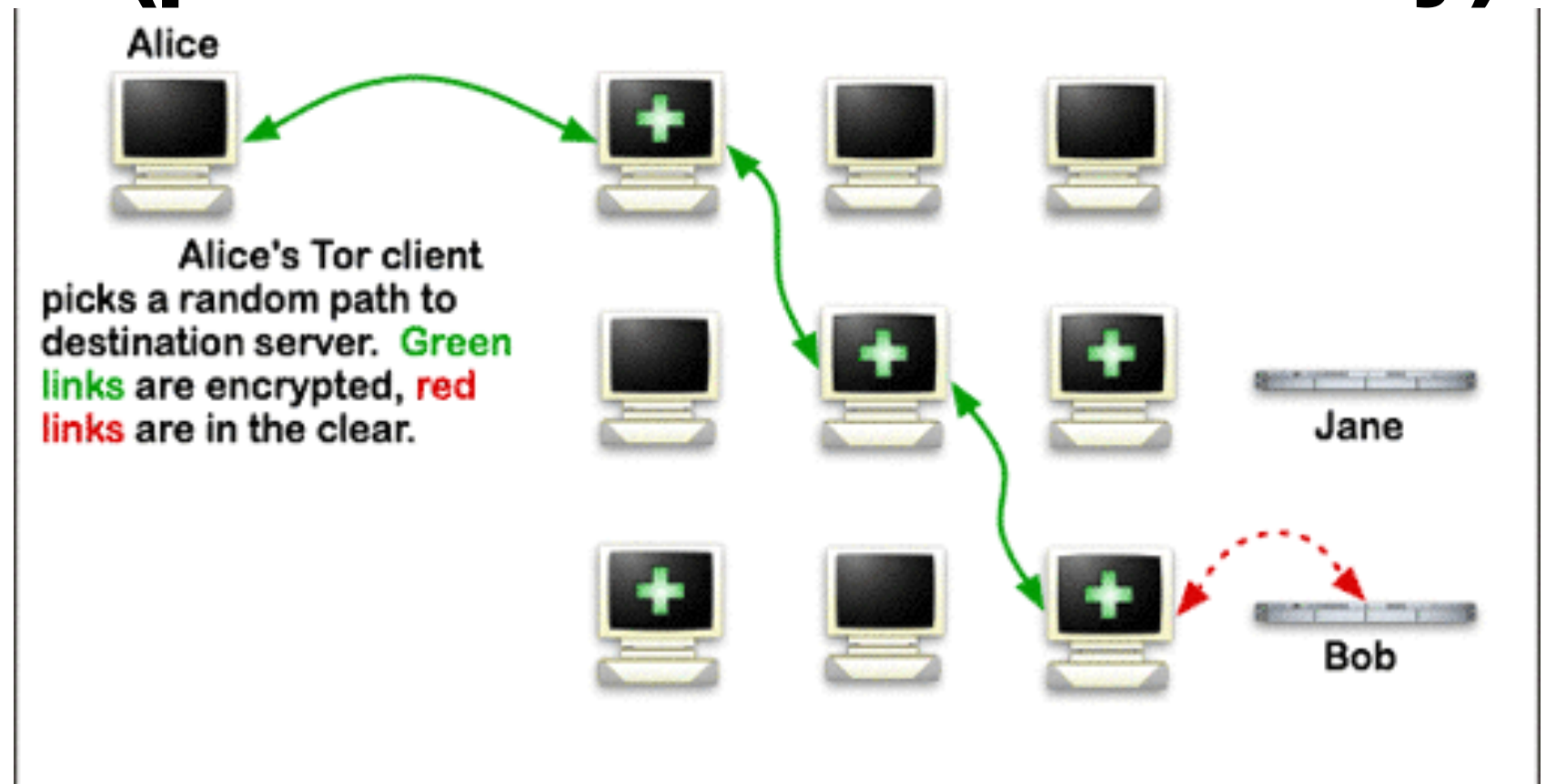


The Onion Router

Pavel Dostál

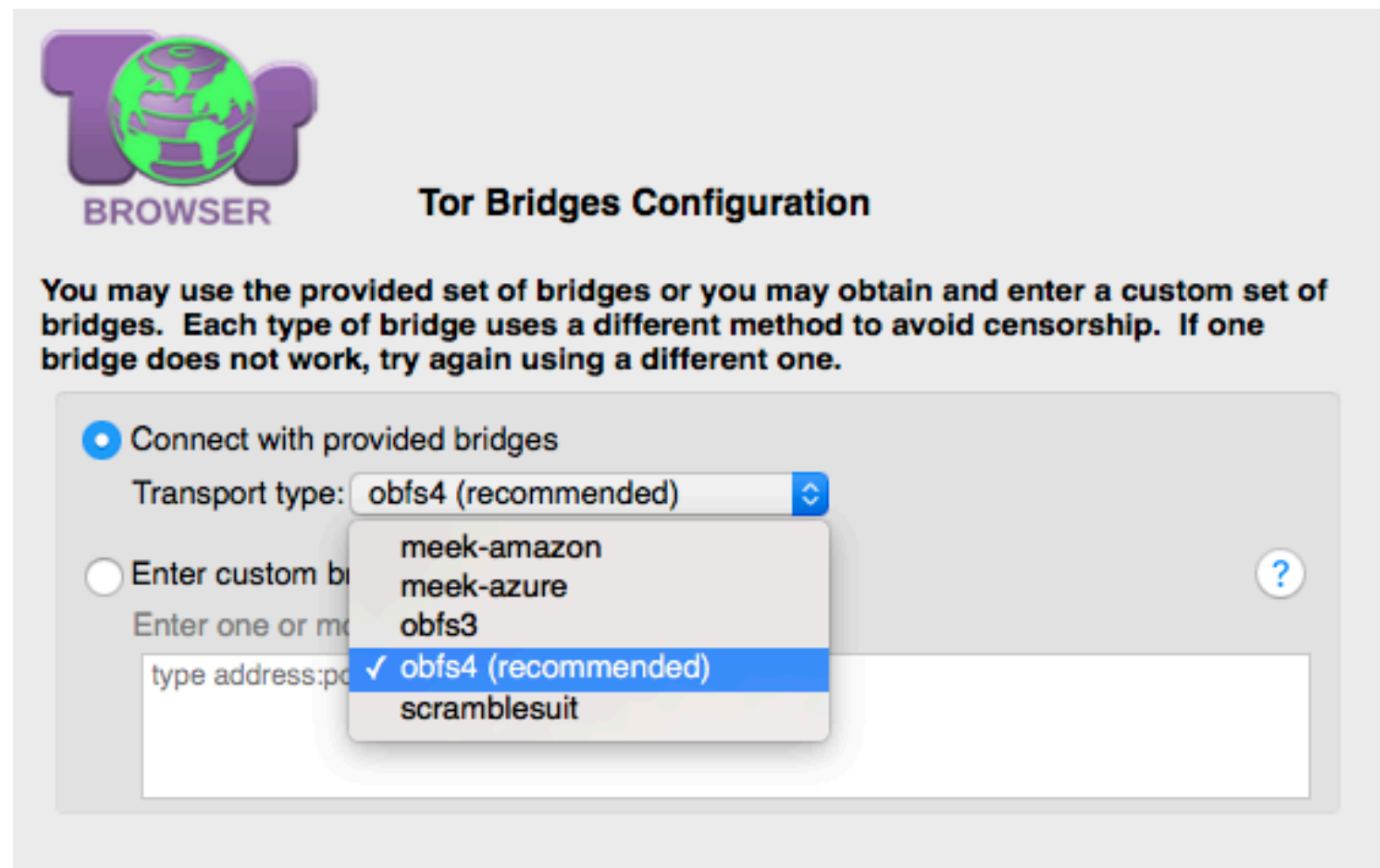
Jak to funguje?

- * Middle relays
 - * Veřejné
 - * Neveřejné (Bridges)
- * Exit nodes (provoz dále nešifrovaný)



Pluggable transports

- * Utility pro různé způsoby připojení
- * Maskování, směřování, ap.
- * **GOOGLE:443 -> TOR**



The screenshot shows the 'Tor Bridges Configuration' window in the Tor Browser. At the top left is the Tor logo with the word 'BROWSER' underneath. The title 'Tor Bridges Configuration' is on the right. Below the title is a paragraph: 'You may use the provided set of bridges or you may obtain and enter a custom set of bridges. Each type of bridge uses a different method to avoid censorship. If one bridge does not work, try again using a different one.' There are two radio buttons: 'Connect with provided bridges' (selected) and 'Enter custom bridges'. Below the first radio button is a 'Transport type:' dropdown menu. The dropdown is open, showing a list of options: 'obfs4 (recommended)', 'meek-amazon', 'meek-azure', 'obfs3', 'obfs4 (recommended)' (highlighted with a checkmark), and 'scramblesuit'. To the right of the dropdown is a small blue question mark icon. Below the dropdown is a text input field with the placeholder 'type address:port'.

Tor Browser

Tor Bridges Configuration

You may use the provided set of bridges or you may obtain and enter a custom set of bridges. Each type of bridge uses a different method to avoid censorship. If one bridge does not work, try again using a different one.

☒ Connect with provided bridges

Transport type: obfs4 (recommended)

- meek-amazon
- meek-azure
- obfs3
- ✓ obfs4 (recommended)
- scramblesuit

☐ Enter custom bridges

Enter one or more bridges (type address:port)

Tor Browser

- * Upravený Firefox
- * Striktní konfigurace
- * Bezpečnostní pluginy
- * Easy to use (jeden balíček)



DARK WEB IN DETAIL

TOR BROWSER, ONION ROUTING ETC.

Proč je Tor důležitý

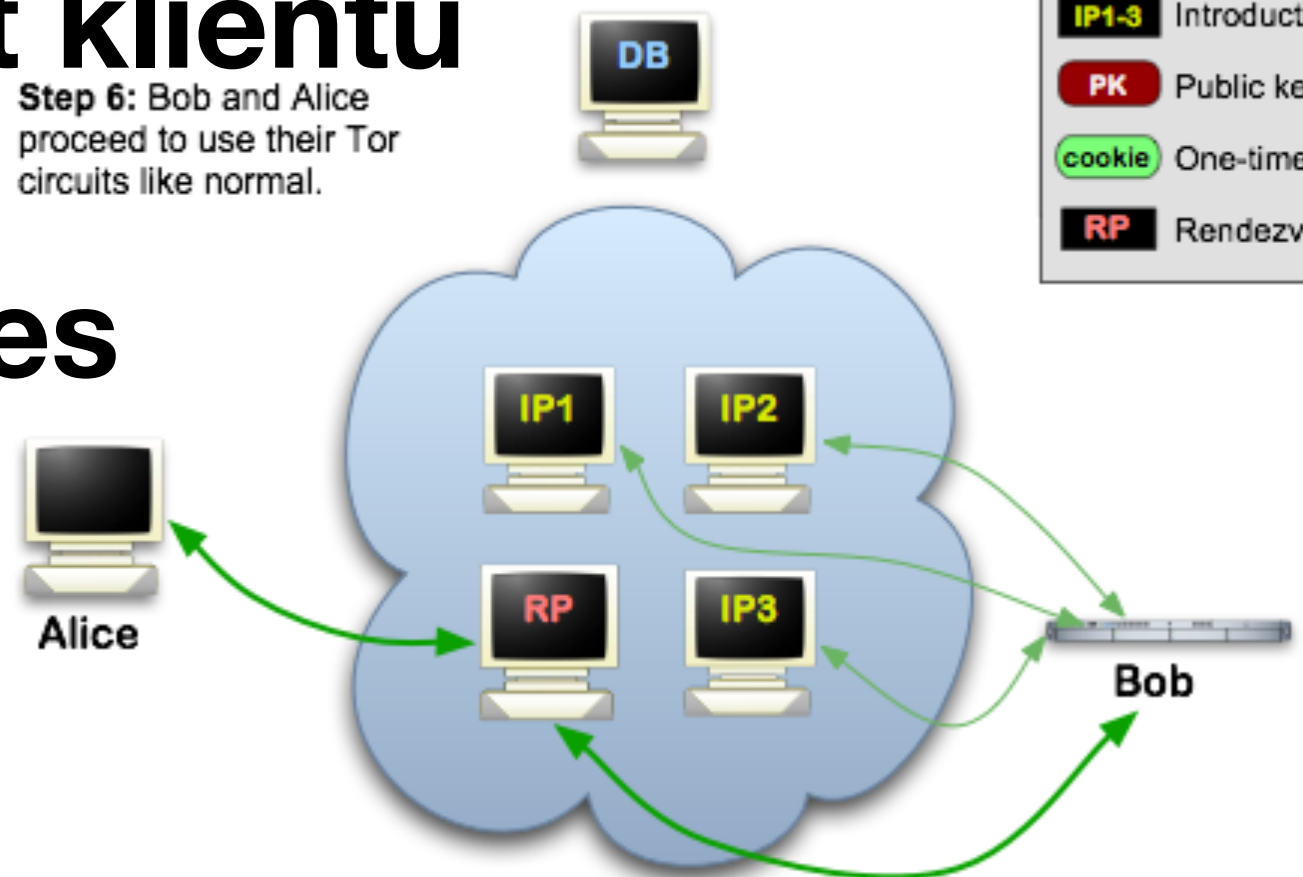
Tor is a critical technology, not just in terms of privacy protection, but in defense of our publication right -- our ability to route around censorship and ensure that when people speak their voices can be heard.



The Onion Services

- * Anonymizace
- * Server nezná klienta
- * Bezpečnost
- * End-to-end encryption
- * Autorizace
- * Možný whitelist klientů
- * Rychlost
- * Žádné exit nodes

Step 6: Bob and Alice proceed to use their Tor circuits like normal.



Využití

- * Vlastní
 - * SSH
 - * VPN

- * Tor-specific
 - * Ricochet
 - * Onionshare

- * Veřejné
 - * Facebook
 - * Blockchain
 - * DuckDuckGo



debian-7.5.0-amd64-netinst.iso

SHA1 checksum: 8738ef91931dc837ba5c6e481f98d63a7f01b101

File size: 222.0 MiB

Give this URL to the person you're sending the file to:

<http://5kvpmm5gncwmmwcw.onion/a3b6f268669380ee098b04c057f6edb4>

Copied URL to clipboard

Download page loaded

Download started 72.0 MiB, 32%

Tor sít'

- * Privátní prefix
- * Forwarding
- * Tor DNS

ssh rpqaeafzlfhgapoe.onion

~~*ssh -o ProxyCommand='nc -x localhost:
\$9050 %h %p' rpqaeafzlfhgapoe.onion*~~

