

# Homenet@IETF94Hackathon

aka “best of the show” (again)

## Multiple PVDs using DNS

draft-stenberg-mif-mpvd-dns-00

Pierre Pfister (Cisco)

Steven Barth (OpenWrt)

Markus Stenberg (Independent)

Tommy Pauly (Apple)

Mark Townsley (Cisco)

2 IPv6 GUA Prefixes  
1 IPv6 ULA Prefix  
1 Crappy IPv4



Homewrt SSID



Homenet  
Routers



IETF Wifi



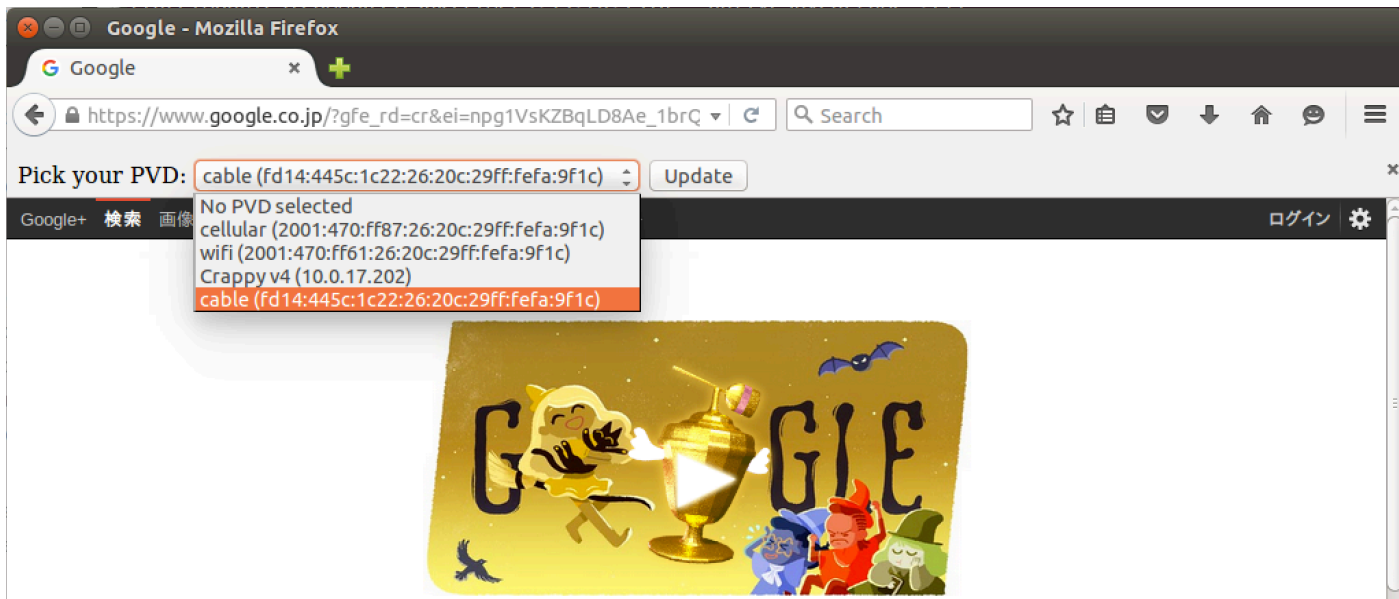
Tunnel A  
"Cellular"

Tunnel B  
"Cable"



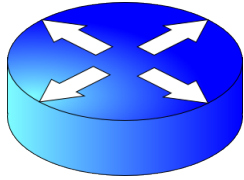
"MIFified" DNS Server

<https://github.com/fingon/pvdfakedns> (50 LoC)



<https://github.com/Oryon/ietf94hackathon>

600 LoC – (Firefox Extension + 'connect()') masquerading)



Router Advertisement  
(2001:db8:1::/64)



Configure address (as usual)



`dig -t ptr _pvd.x.x.x....1.0.0.2.ip6.arpa`

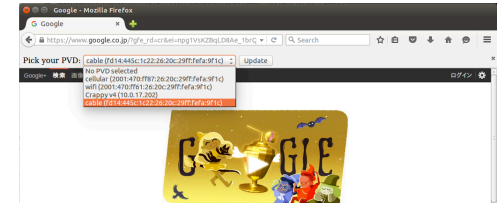
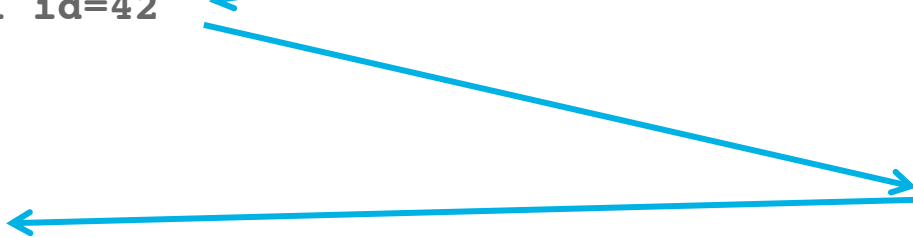


PTR `blue.example.com`



`dig -t txt blue.example.com`

TXT `n=wifi id=42`



Safari cannot open the page

## Cellular Data is Turned Off for “Safari”

You can turn on cellular data for this  
app in Settings.

Settings

OK

