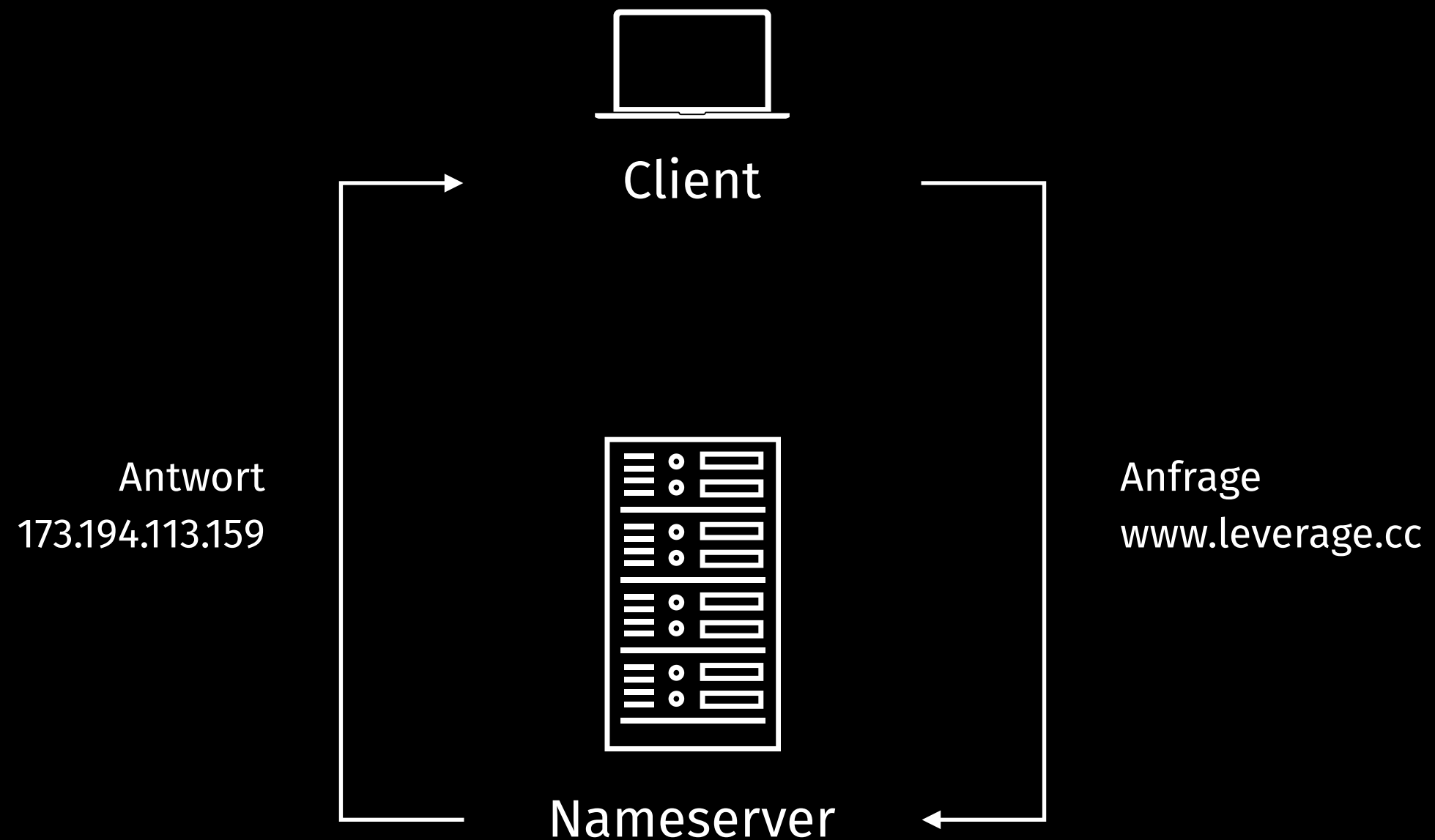


Server

Multimediale Web-Plattform & eLearning
Werkmodul Wintersemester 2014/15
Tobias Wolf





Client
Weimar



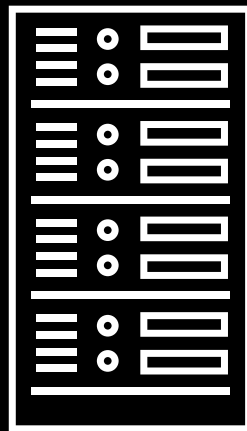
192.168.1.555



Router
Weimar



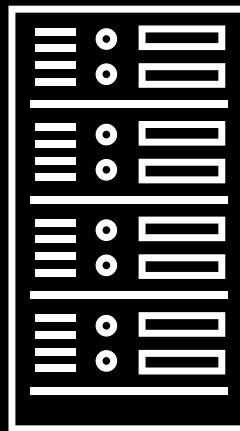
93.128.212.137



Telefonica Germany
Deutschland



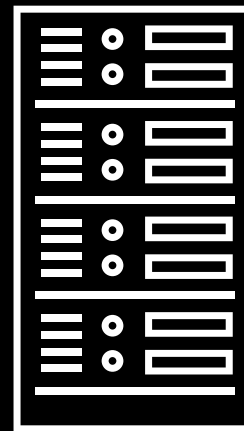
62.52.194.207



DE-CIX Frankfurt IXP
Frankfurt



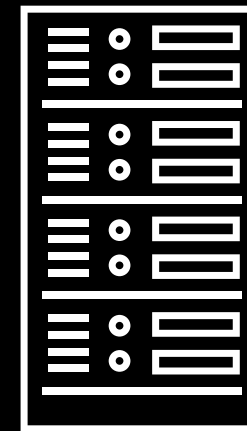
62.53.12.176



rh-tec Business
Deutschland



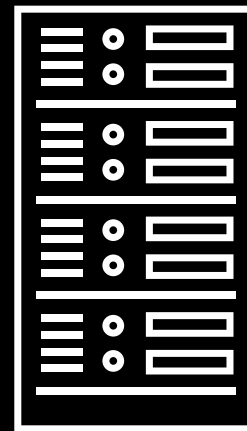
80.81.193.106



rh-tec Business
Deutschland



62.216.175.58

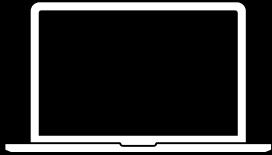


rh-tec Business
Deutschland



95.143.172.222

Laptop Icon created by Álvaro Yuste from the Noun Project
Server Icon created by Juan Pablo Bravo from the Noun Project
Router Icon created by Brian Gonzalez from the Noun Project



Client
Weimar



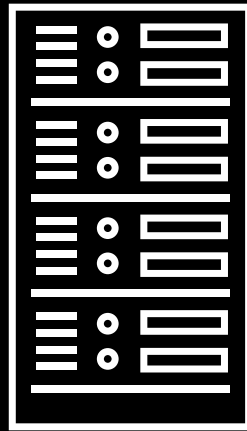
192.168.1.555



Router
Weimar



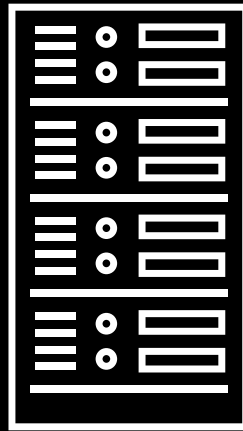
93.128.212.137



Telefonica Germany
Deutschland



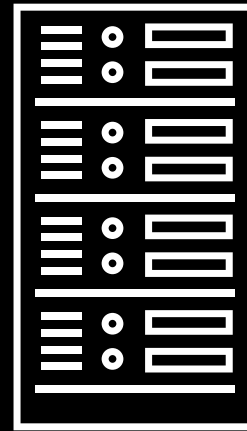
62.52.194.207



DE-CIX Frankfurt IXP
Frankfurt



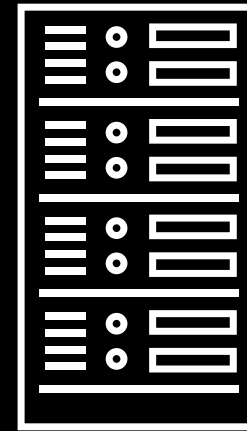
62.53.12.176



rh-tec Business
Deutschland



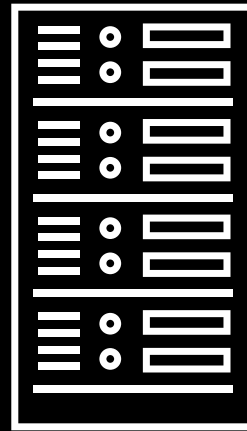
80.81.193.106



rh-tec Business
Deutschland



62.216.175.58



rh-tec Business
Deutschland



95.143.172.222

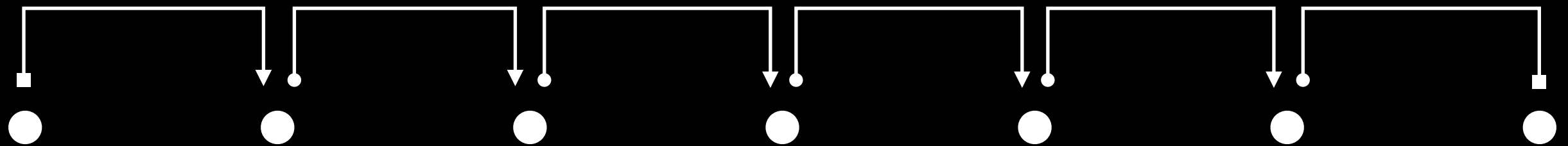
Laptop Icon created by Álvaro Yuste from the Noun Project
Server Icon created by Juan Pablo Bravo from the Noun Project
Router Icon created by Brian Gonzalez from the Noun Project

Anfrage

Client:

»Hallo 94.143.172.222, mein Name ist 192.168.1.555.

Ich hätte gerne deine Webseite-Datei«



192.168.1.555

Client

93.128.212.137

62.52.194.207

62.53.12.176

80.81.193.106

62.216.175.58

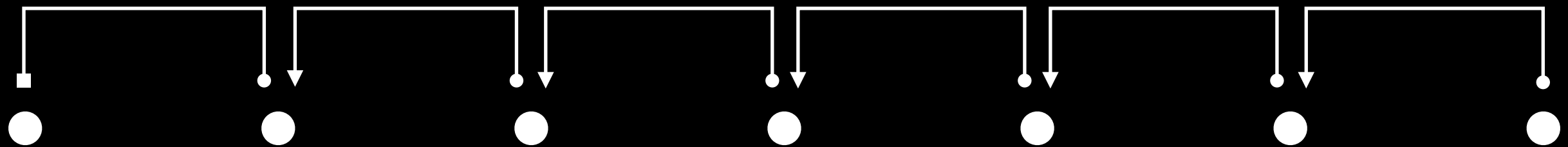
95.143.172.222

Server

Antwort

Server

»Hallo 192.168.1.555, hier Bitteschön, meine Webseite-Datei für dich.«



192.168.1.555

93.128.212.137

62.52.194.207

62.53.12.176

80.81.193.106

62.216.175.58

95.143.172.222

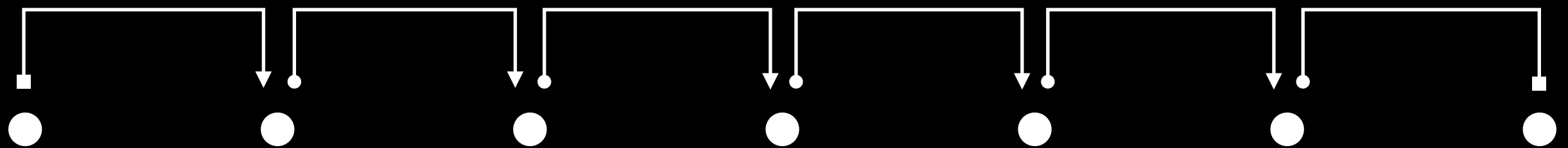
Client

Server

Anfrage

Client

»Hallo 94.143.172.222, wow, was für eine coole Website, die hat ja sogar eine Stylesheet-Datei. Gib mir doch bitte die style.css. Und Fotos hat sie ja auch noch. Gib mir mal bitte supersuessekatze.jpg, panda.gif und erdmaennchen.png aus dem Ordner tierfotos«



192.168.1.555

Client

93.128.212.137

62.52.194.207

62.53.12.176

80.81.193.106

62.216.175.58

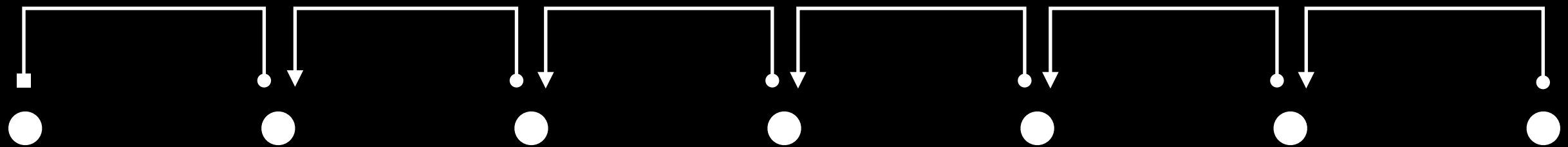
95.143.172.222

Server

Antwort

Server

»Hallo 192.168.1.555, hier Bitteschön, meine style.css, supersuessekatze.jpg, panda.gif und erdmaennchen.png«



192.168.1.555

Client

93.128.212.137

62.52.194.207

62.53.12.176

80.81.193.106

62.216.175.58

95.143.172.222

Server

Website öffnen

Dateiübertragung

Paketübertragung

Bitübertragung

HTTP (Hypertext Transfer Protocol)

TCP (Transmission Control Protocol)

Ethernet

Dateiübertragung

HTTP, FTP, SMTP, POP, Telnet ...

Paketübertragung

TCP

Bitübertragung

Ethernet

Paketübertragung





Client
Weimar



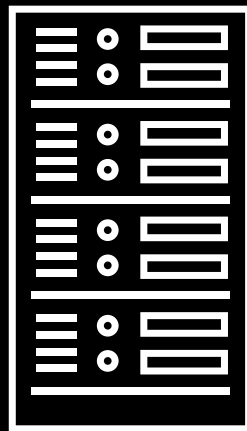
192.168.1.555



Router
Weimar



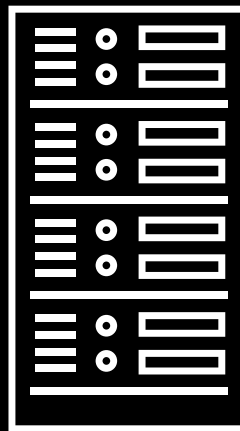
93.128.212.137



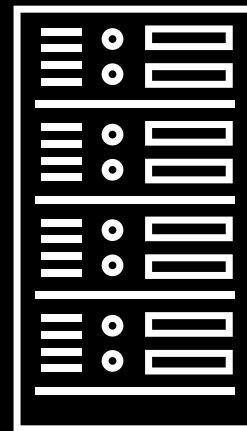
Telefonica Germany
Deutschland



62.52.194.207



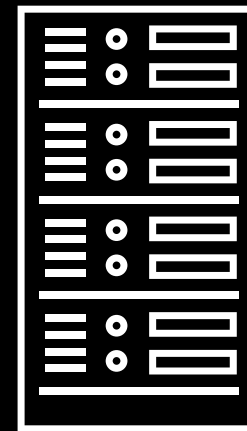
62.53.12.176



DE-CIX Frankfurt IXP
Frankfurt



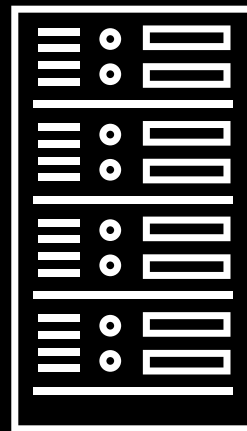
80.81.193.106



rh-tec Business
Deutschland



62.216.175.58

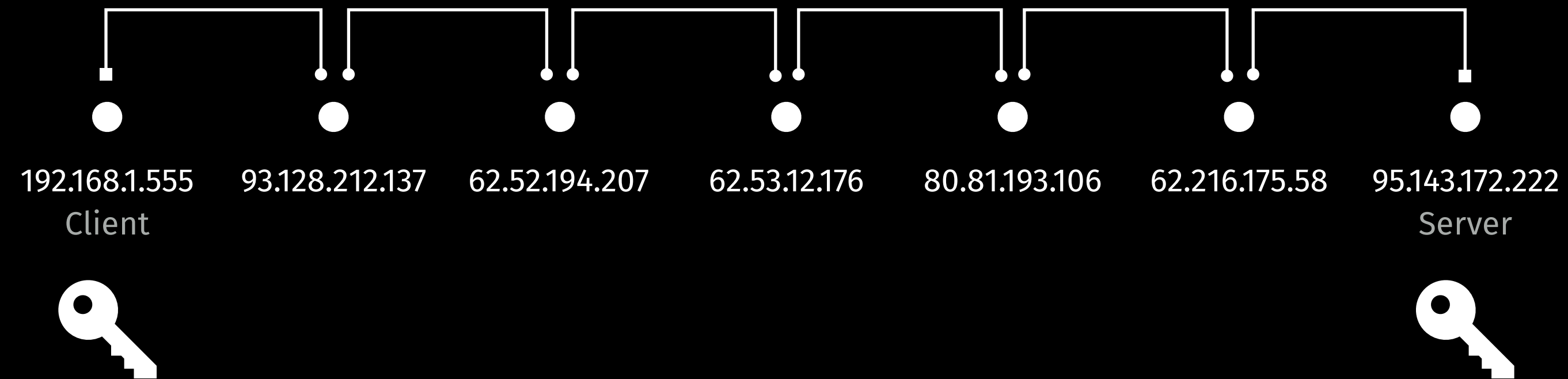


95.143.172.222

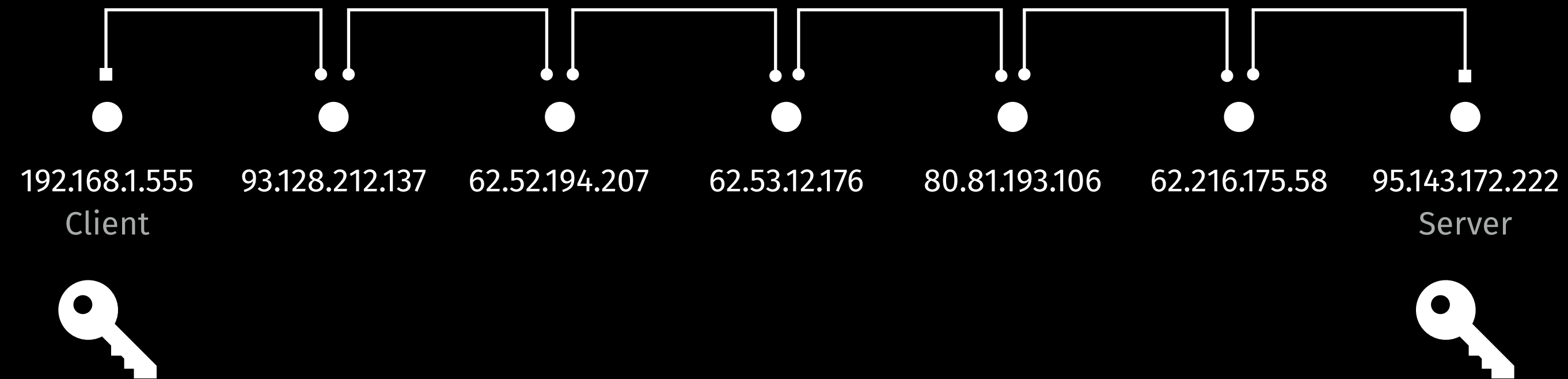


Laptop Icon created by Álvaro Yuste from the Noun Project
Server Icon created by Juan Pablo Bravo from the Noun Project
Router Icon created by Brian Gonzalez from the Noun Project

Verschlüsselung



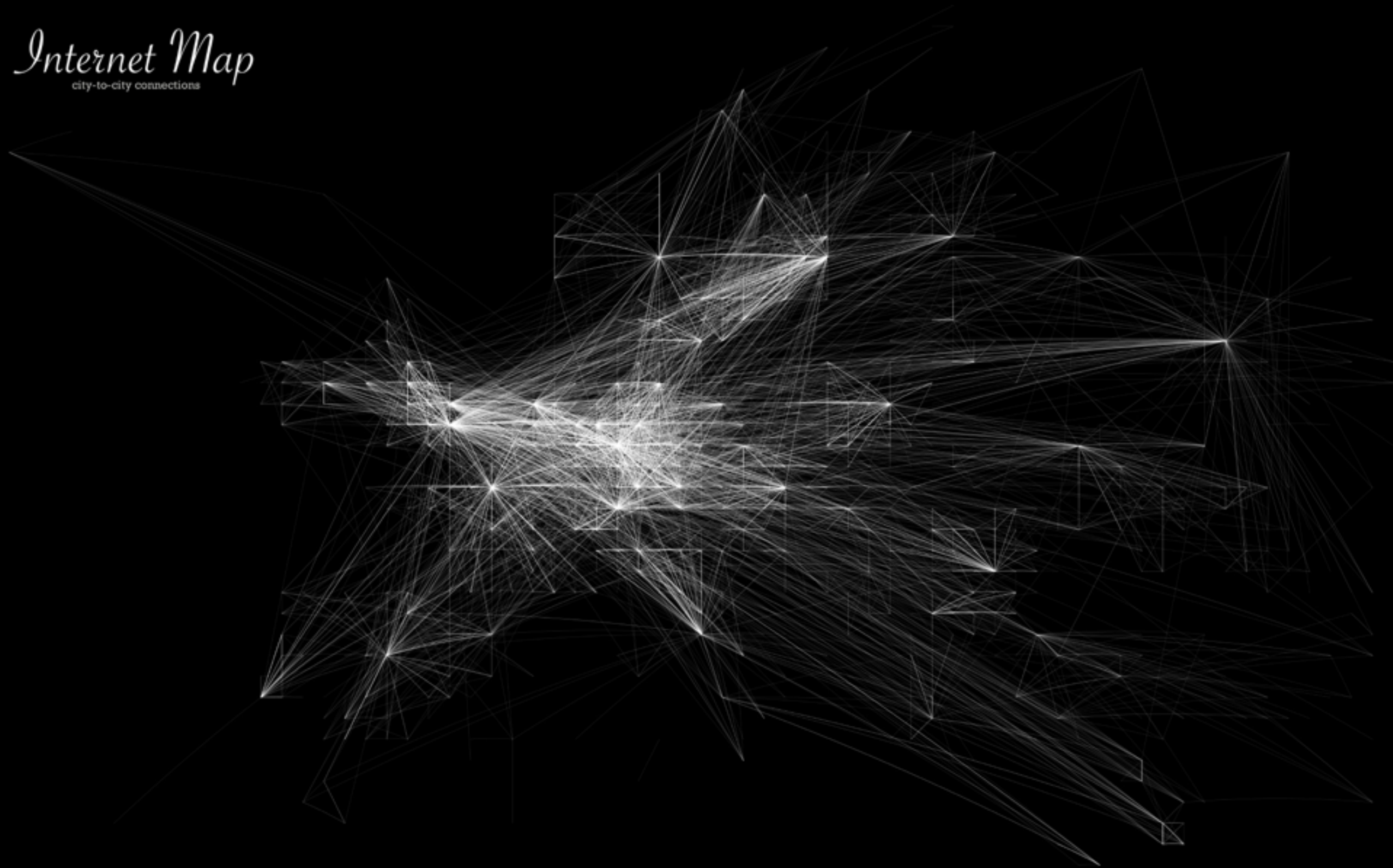
Diffie-Hellman-Schlüsselaustausch





Internet Map

city-to-city connections



ChrisHarrison.net

European City-to-City Connections

Newstweek
Fixing the facts.