Ruby Monstas

Session 19

Agenda

Recap

Networking: The Internet

HTTP: The foundation of the web

Sinatra: Simple way to create web apps

Exercises

Recap

RubyGems & Bundler

What is RubyGems?

What is Bundler?

Rubygems & Bundler

RubyGems: Ruby's package manager

Bundler: Ruby's dependency manager

Networking

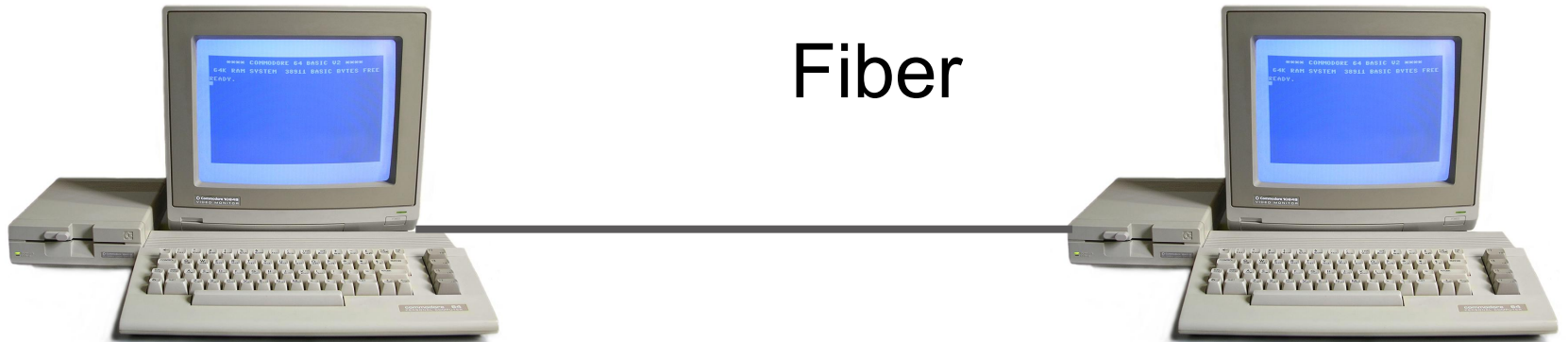The Internet

Networking

Networking

Networking

Ethernet Wireless

Fiber

Networking: Benefits?

Networking: Benefits

- Simple and convenient way to transfer data

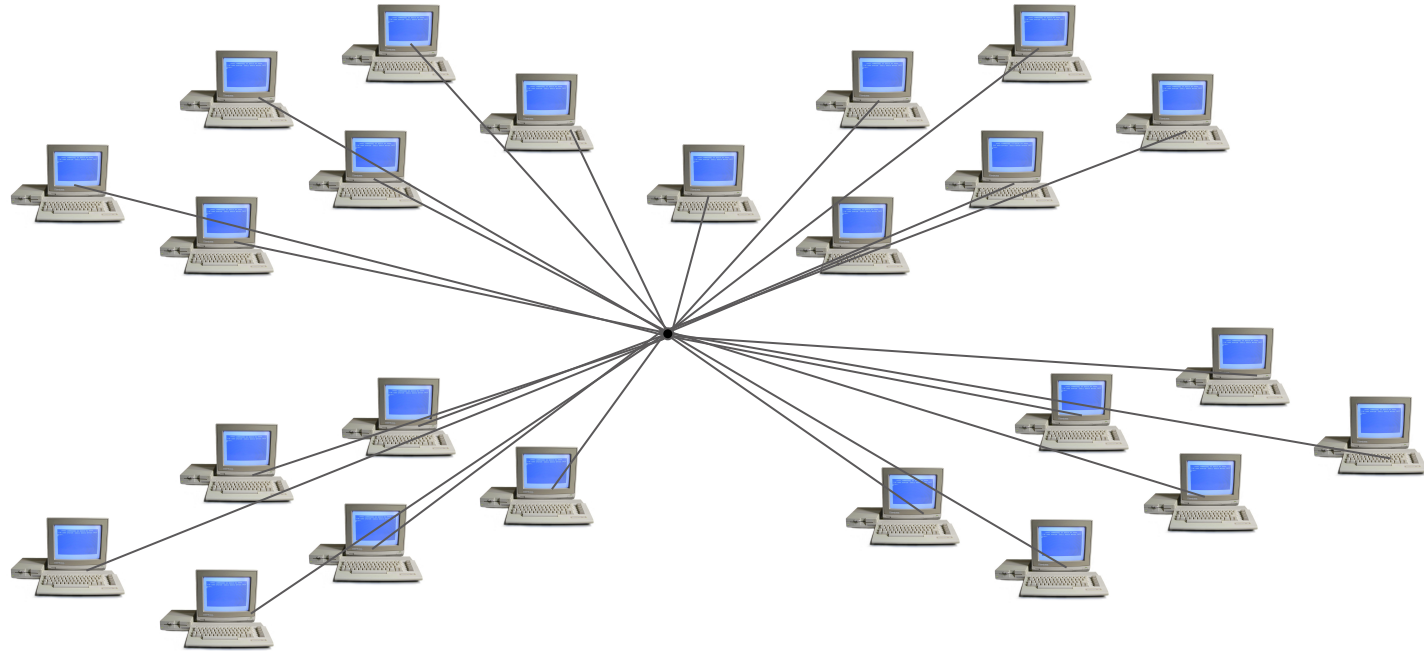- It's cost efficient

- Always available

Networking: Tradeoff?

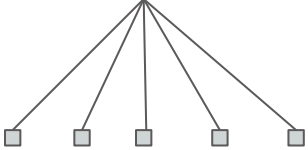# Networking: Tradeoff

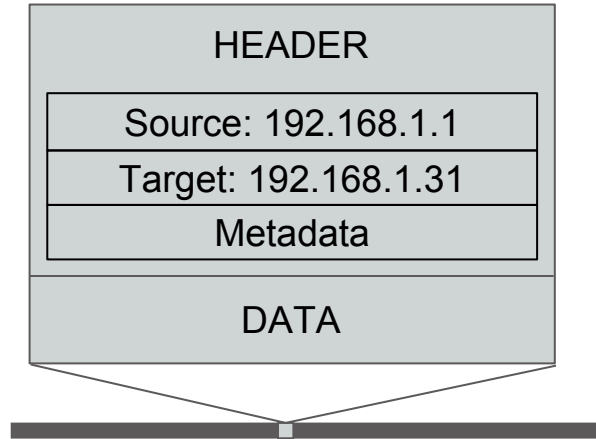- Unrestricted & unauthorised access
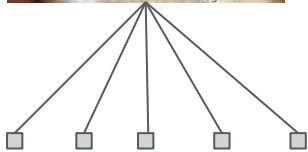
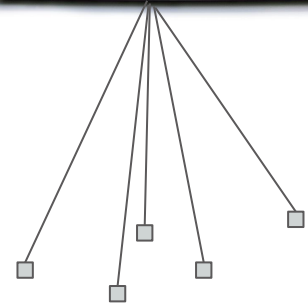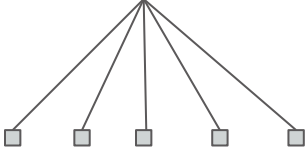# Networking: The Internet

Networking: The Internet Protocol (IP)

Networking: The Internet Protocol (IP)

Networking: The Internet Protocol (IP)

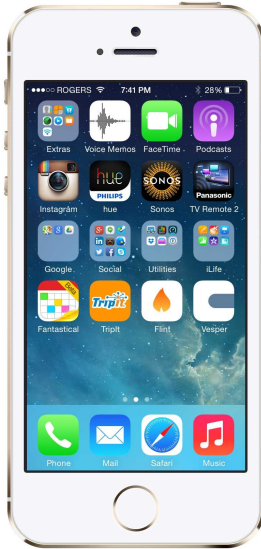# Networking: The Internet Protocol (IP)

IP: Facts

- Consistent way of communicating

- Decoupled from manufactures

- Regardless technology (cable, wireless, optical)

- The standard for communication in networks
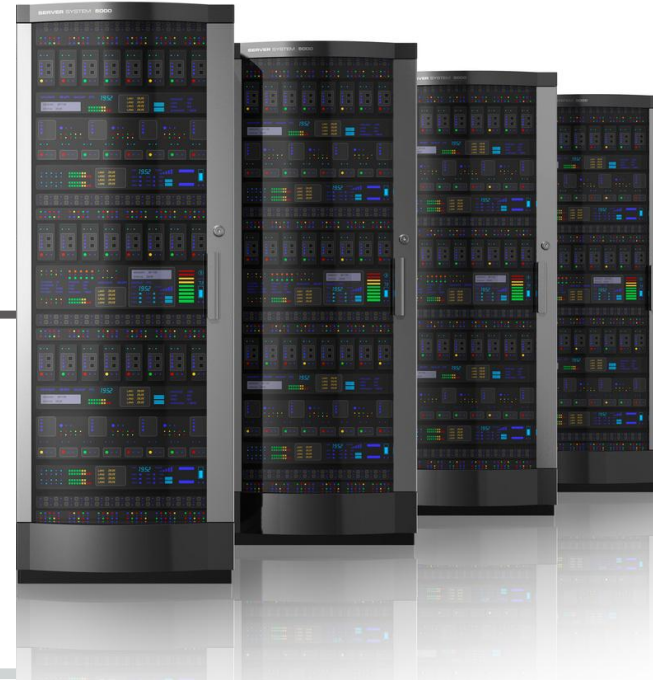
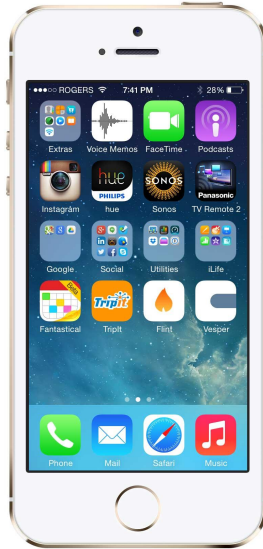# HTTP: Evolution of the Internet

HTTP: Evolution of the Internet

Client

Server

HTTP: Computing model evolution

Client

Server

Request

Response

HTTP: How it works

Uniform Resource Locator
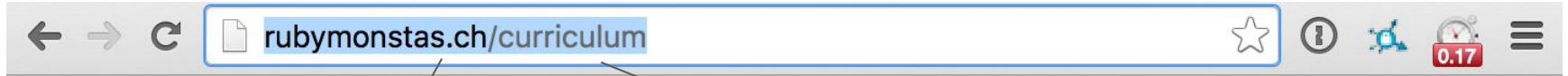
Request Method

Media Type

HTTP: How it works

rubymonstas.ch/curriculum

Home / Curriculum / Apply / Location / Team

Our course curriculum is based on the curriculum of our Berlin colleagues: Course

HTTP: Uniform Resource Locator (URL)
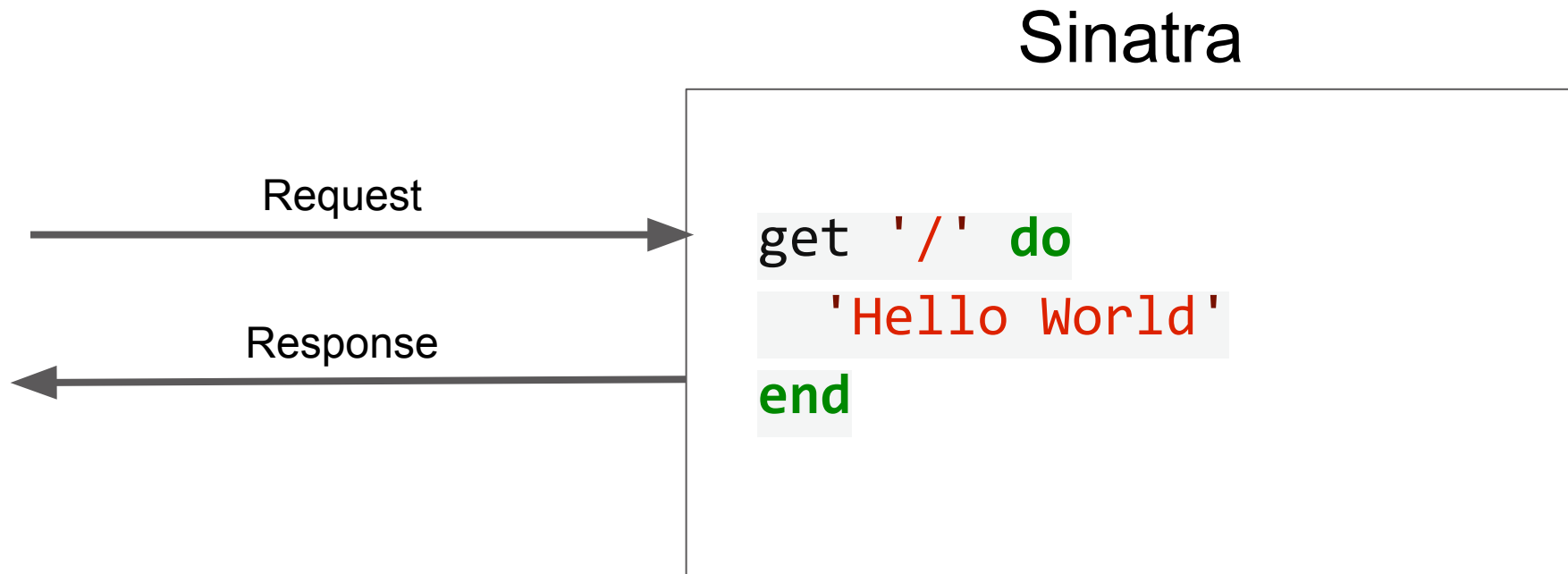

`rubymonstas.ch/curriculum`

DOMAIN NAME   RESOURCE

rubymonstas.ch   /curriculum

HTTP: Method & Format

rubymonstas.ch/curriculum

REQUEST METHOD   FORMAT

GET   .HTML

HTTP: How it works

HTTP

Example

Sinatra

A quick way to create web applications in Ruby.

Sinatra: Map routes to code

Sinatra

Request →

```
get '/' do
  'Hello World'
end
```

← Response

Time to practice
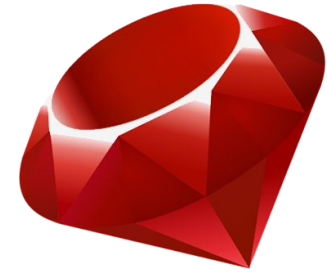
Resources

https://en.wikipedia.org/wiki/Internet_Protocol

https://en.wikipedia.org/wiki/Hypertext_Transfer_Protocol

http://www.sinatrarb.com/intro.html