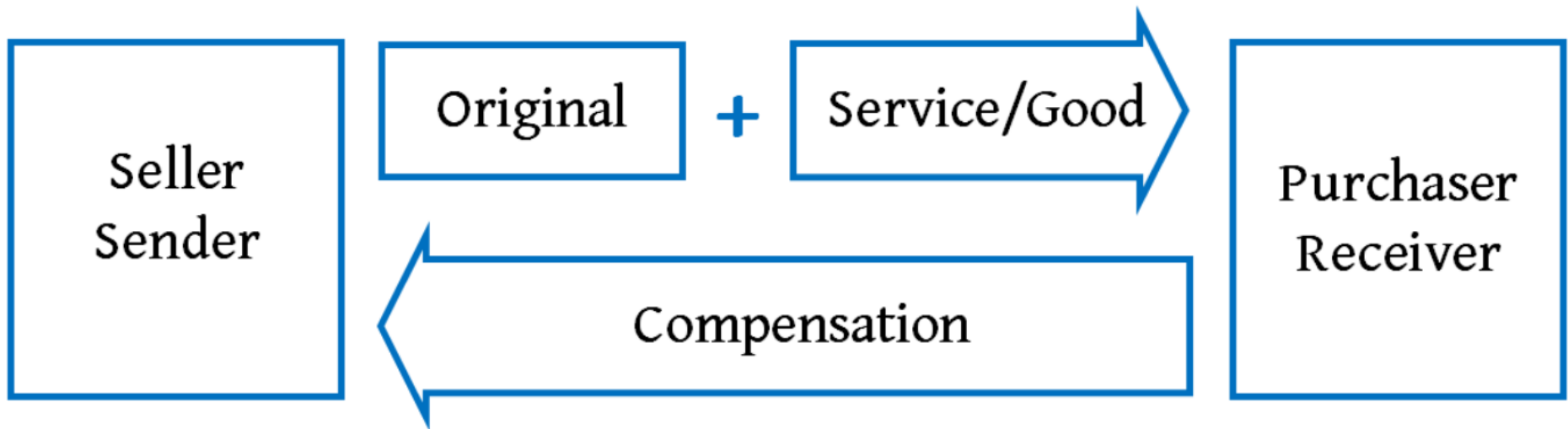


# The Internet, or how Law became (even) more complicated

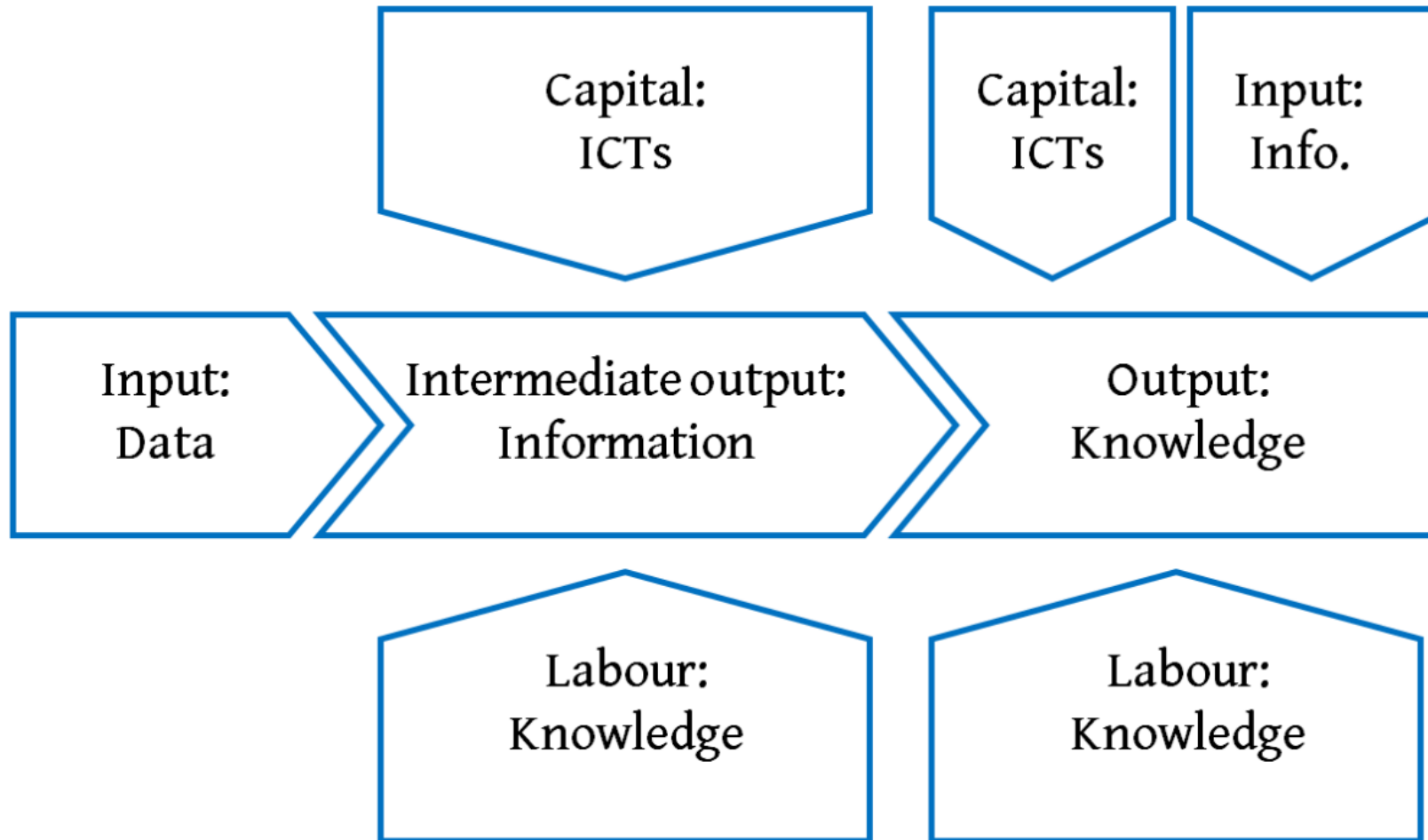
Ismael Peña-López  
@ictlogist

Alicante, 13 May 2013  
Magister Lvcentinvs on Intellectual Property  
University of Alicante

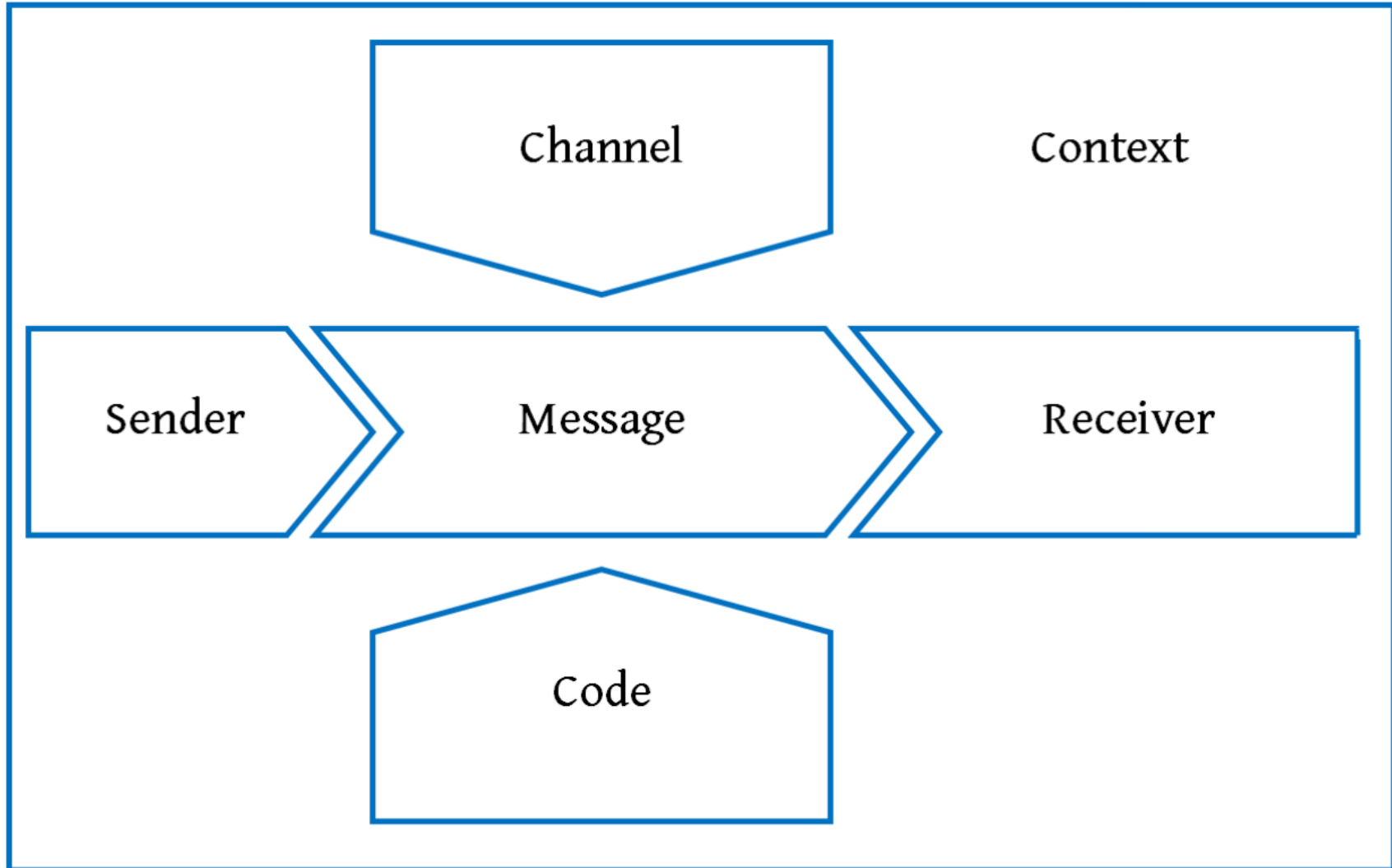
# Digital Economy



# Information Technologies



# Communication Technologies



## Internet Service Provider



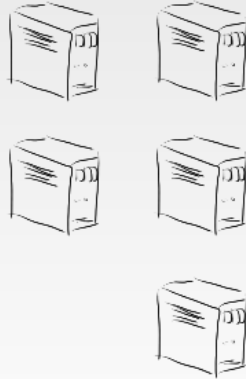
Router



Proxy Server



## Internet



## Internet Service Provider



Router



Domain Name Server

## Server



Web Server



Proxy Server



File Server



Applications Server



Mail Server



Databases



Bittorrent tracker



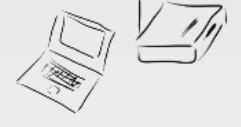
Server hosting  
- bittorrent files  
- page w. magnets

# The Internet



Client

## Clients



# Context

Law

Crime

Copyright

Revenue taxing

IP delivery

## Internet Service Provider



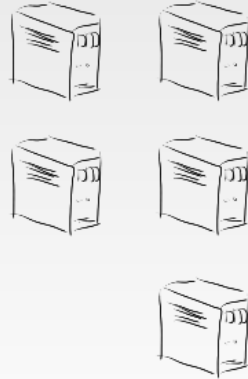
Router



Proxy Server



## Internet



## Internet Service Provider



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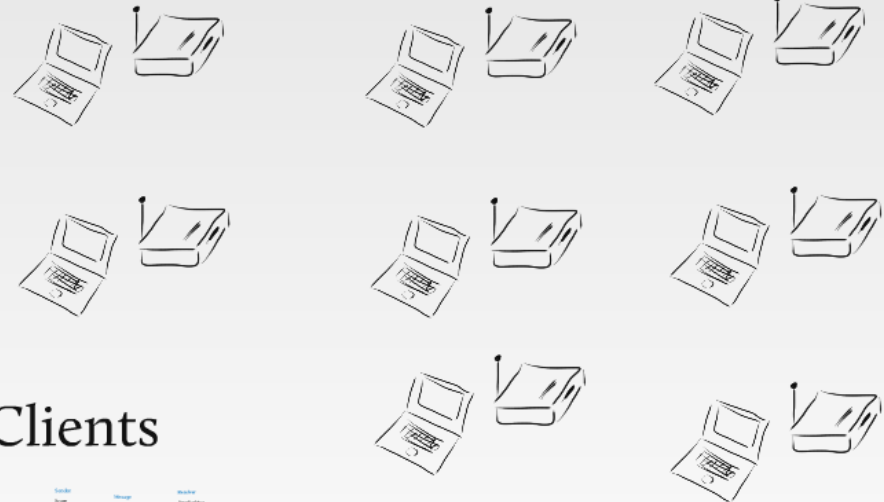
Server hosting  
- bittorrent files  
- page w. magnets

# The Internet



Client

## Clients



# Client

## Channel

Trojan  
Virus  
Botnet

## Sender

Identity  
Reputation  
  
IP Spoofing  
e-Mail Spoofing  
Anonymizers

## Message

Freedom of speech  
Trolling  
Libel  
Censorship

## Receiver

Identity theft  
Contacts theft  
Unconsented  
Webcam recording  
Stalking

## Code

Phishing  
Tabnabbing



# Sender

Identity

Reputation

IP Spoofing

e-Mail Spoofing

Anonymizers

# Message

Freedom of speech

Trolling

Libel

Censorship

# Receiver

Identity theft

Contacts theft

Unconsented

Webcam recording

Stalking

**Code**

Phishing

Tabnabbing

# Channel

Trojan

Virus

Botnet

## Internet Service Provider



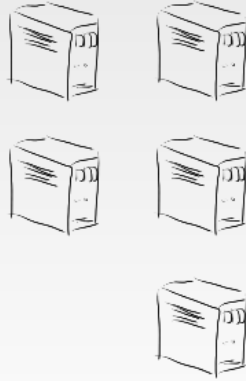
Router



Proxy Server



## Internet



## Internet Service Provider



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Bittorrent tracker



Server hosting  
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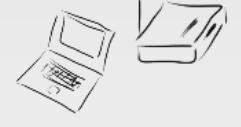
# The Internet



Client



Clients



# Clients

## Sender

Spam  
Astroturfing

## Message

File downloading  
File sharing

## Receiver

Brandjacking  
Subvertising

**Sender**

Spam

Astrourfing



# Message

File downloading

File sharing

**Receiver**

Brandjacking

Subvertising

## Internet Service Provider



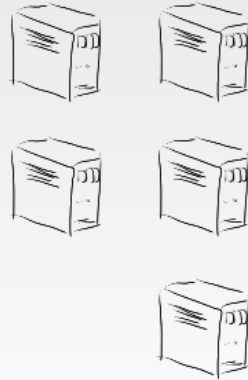
Router



Proxy Server



## Internet



## Internet Service Provider



Router



Domain Name Server

## Server



Web Server



Proxy Server



File Server



Applications Server



Mail Server



Databases



Bittorrent tracker



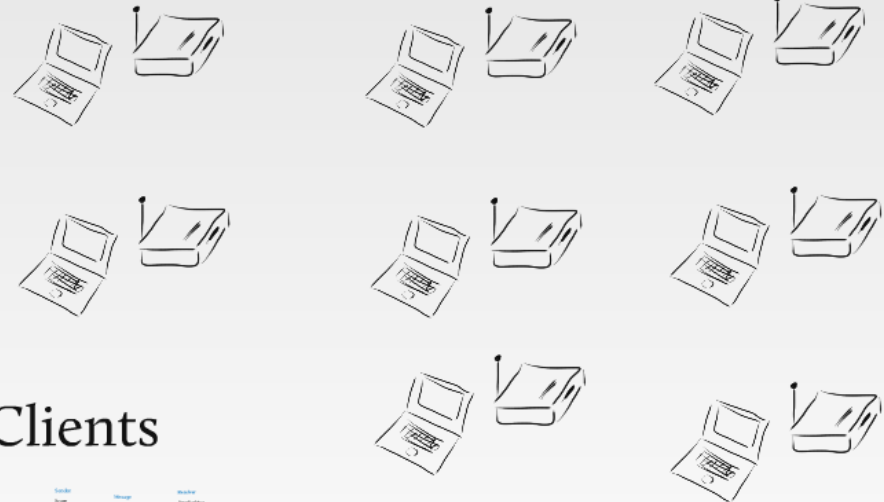
Server hosting  
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# The Internet



Client

## Clients



# Router



## Channel

Page hijacking  
Cybersquatting

## Message

Cloaking

## Code

Pharming  
/ DNS poisoning

# Domain Name Server

# Channel

Page hijacking

Cybersquatting

**Message**

Cloaking

# Code

## Pharming

/ DNS poisoning

## Internet Service Provider



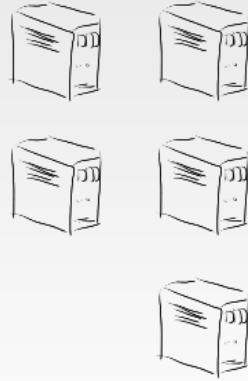
Router



Proxy Server



## Internet



## Internet Service Provider



Router

Domain Name Server



## Server



Web Server



Proxy Server



File Server



Applications Server



Mail Server



Databases



Bittorrent tracker



Server hosting  
- bittorrent files  
- page w. magnets

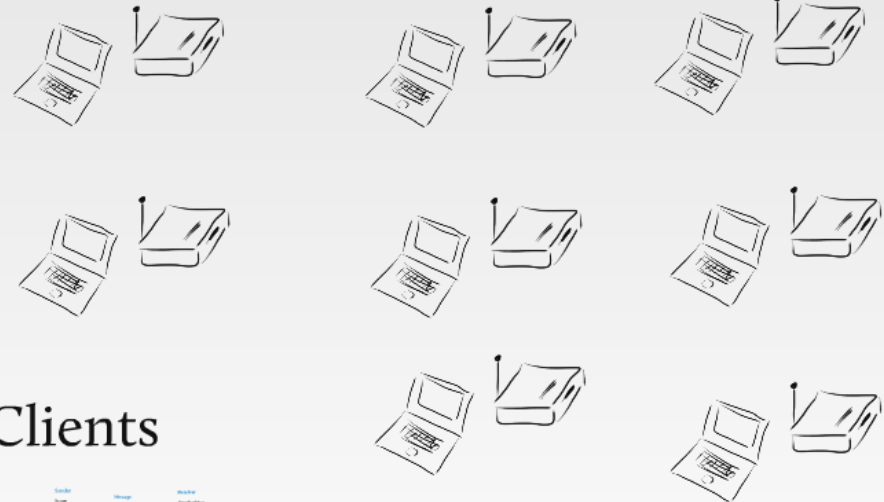
# The Internet



Client



Clients





# Server

## Channel

Cracking  
Defacing  
DDoS

## Receiver

Personal data protection  
Right to be forgotten

## Message

File downloading

## Code

Code injection



# Receiver

Personal data protection  
Right to be forgotten

**Message**

File downloading

# Channel

Cracking

Defacing

DDoS

**Code**

Code injection

## Internet Service Provider



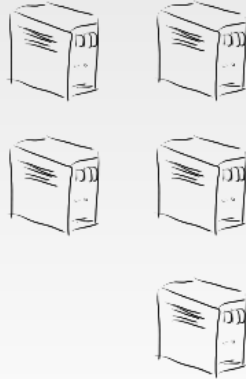
Router



Proxy Server



## Internet



## Internet Service Provider



Router



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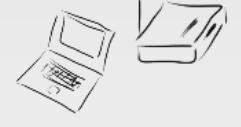
# The Internet



Client



Clients



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To contact the author: <http://ictlogy.net>

General scheme somewhat inspired in  
<http://computer.howstuffworks.com/internet/basics/internet.htm>

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