

# IPTABLES



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Bienvenido - Welcome - Witam

OpenSouthCode'17

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**Juan Miguel Taboada Godoy ( 1980 - ... )**

1996 – Primer ordenador y primera LAN (coaxial)

1999 – Universidad de Málaga y **Linux Málaga**

2001 – **Investigación** en la UMA

- **Cluster de computación masiva**
- Servidores y hosting
- Mercados bursátiles
- Beca **Neurociencia** en **New York**

2005 – Axargua (**Adquisición de datos industriales**)

2008 – Pontgrup Correduría de **Seguros**

2011 – Bética fotovoltaicas (Adquisición de datos para **Red Eléctrica España**)

**2012 – Centrologic**



The background of the image is a textured stone wall made of irregular, light-colored stones with some reddish-brown patches. At the bottom of the image, there is a dark brown wooden floor with vertical planks. The text "IPTABLES is a Firewall" is written in a large, bold, white sans-serif font across the lower half of the image, partially overlapping the stone wall and the wooden floor.

**IPTABLES is a Firewall**

**IPTABLES**





**FIRE**

**WALL**

**IPTABLES**





It is NOT a security system

**IPTABLES**



The background of the slide features a blue grid pattern. In the center, a red padlock is illuminated, appearing to glow. Several other padlocks are visible in the background, but they are out of focus and appear in shades of blue and white.

It is a **prevention** system

**IPTABLES**





WWW



EMAIL

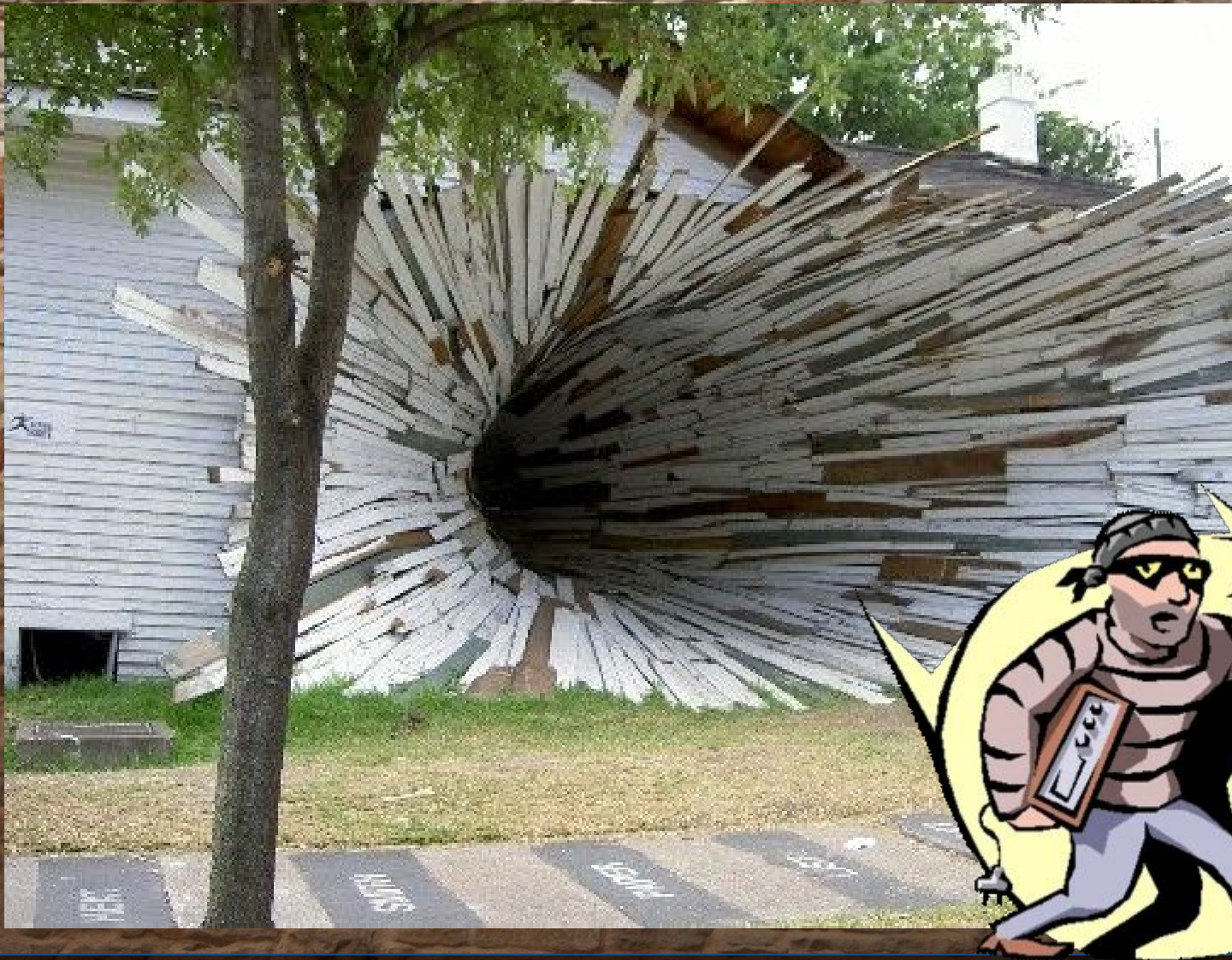


FTP

It is a **prevention** system

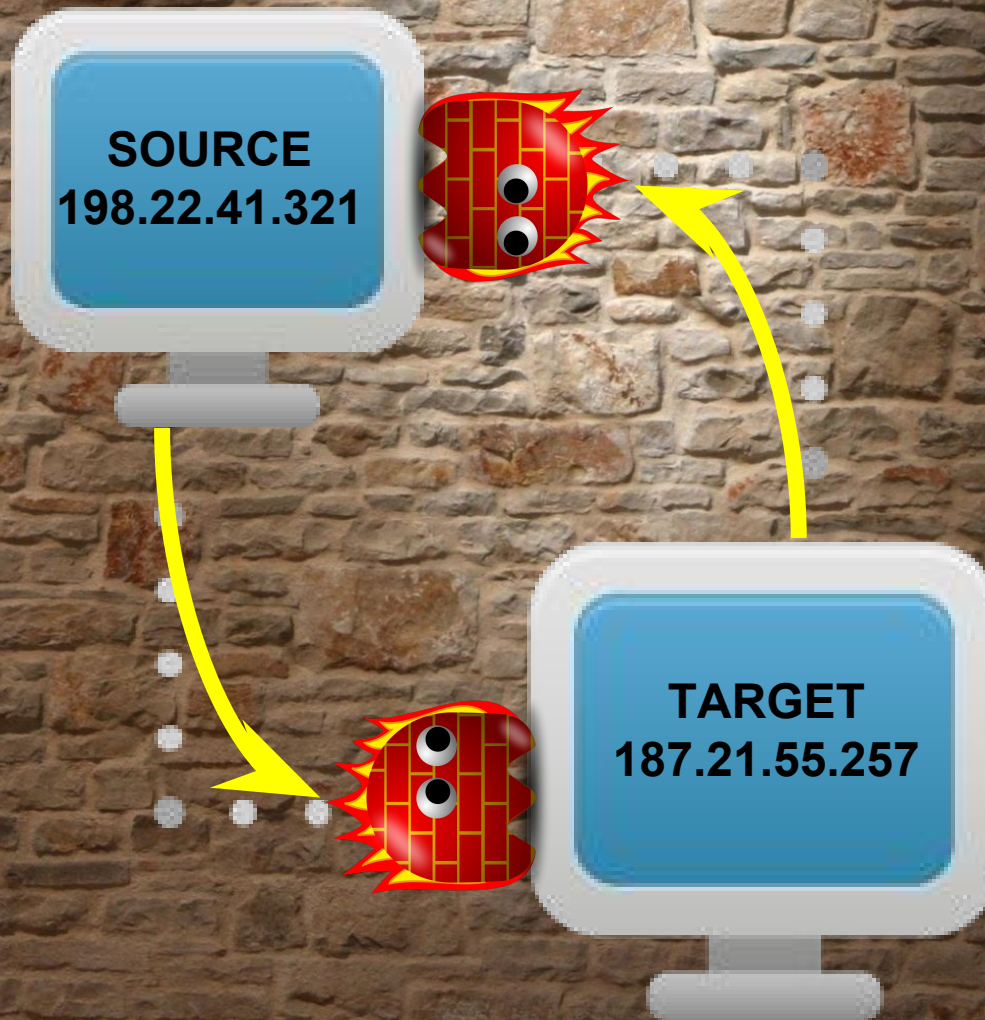
**IPTABLES**





A bad rule leads to this





How to use it?



# CLEAR UP

(Remove all existing rules)

**iptables -F**

**-F = FLUSH**



# POLICY

(The default policy to apply)

```
iptables -P INPUT -j DROP
```

**-P = POLICY** (INPUT, OUTPUT, FORWARD, ... )

**-j = JUMP** (ACCEPT, DROP, ... )



# Example

```
iptables -A INPUT -s 1.1.1.1 -d 2.2.2.2 -j DROP
```

**-A = APPEND** (INPUT)

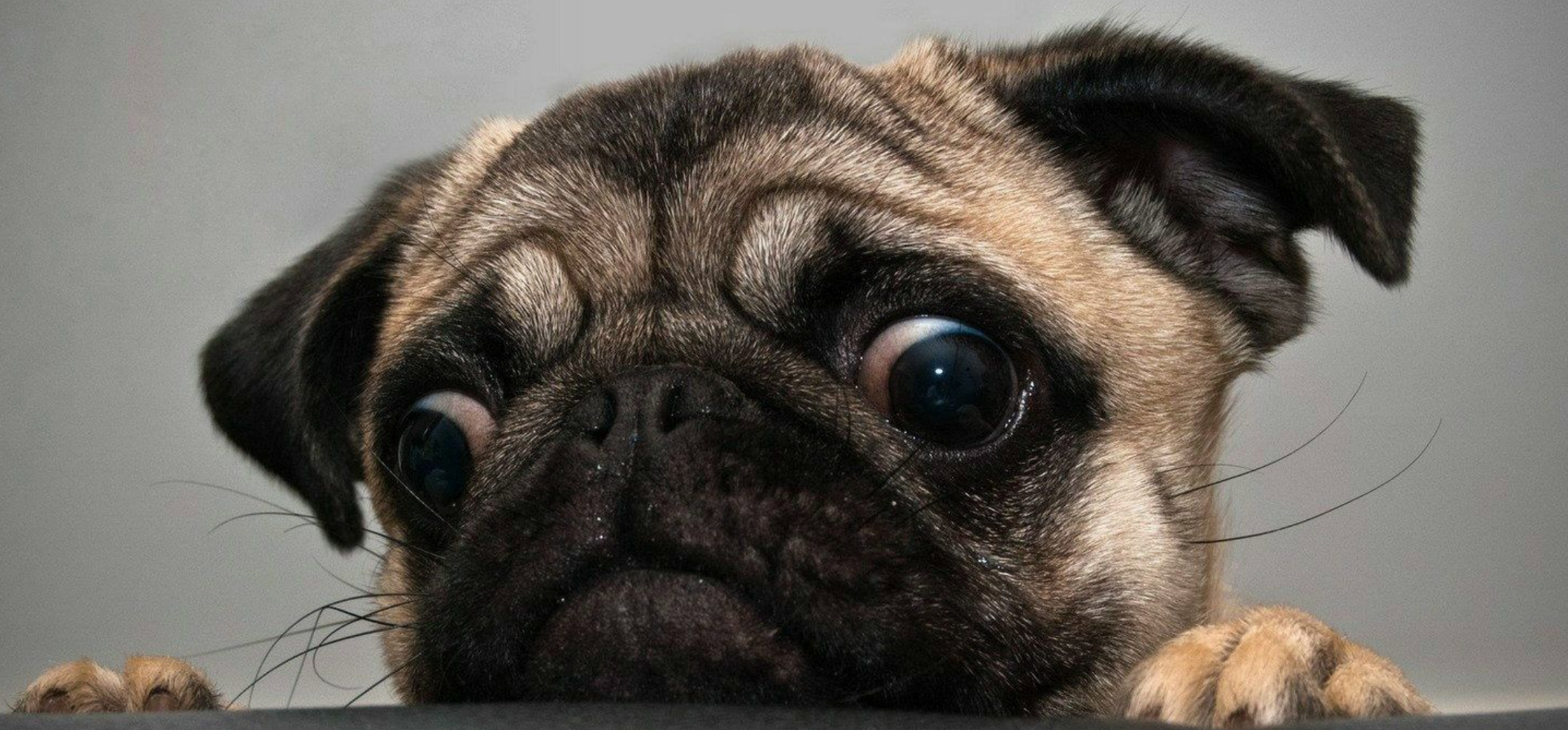
**-s = SOURCE** (1.1.1.1)

**-d = TARGET** (2.2.2.2)

**-j = JUMP** (DROP)



# QUESTIONS?



**IPTABLES**



# IPTABLES



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Gracias - Thank you - Dziękujemy