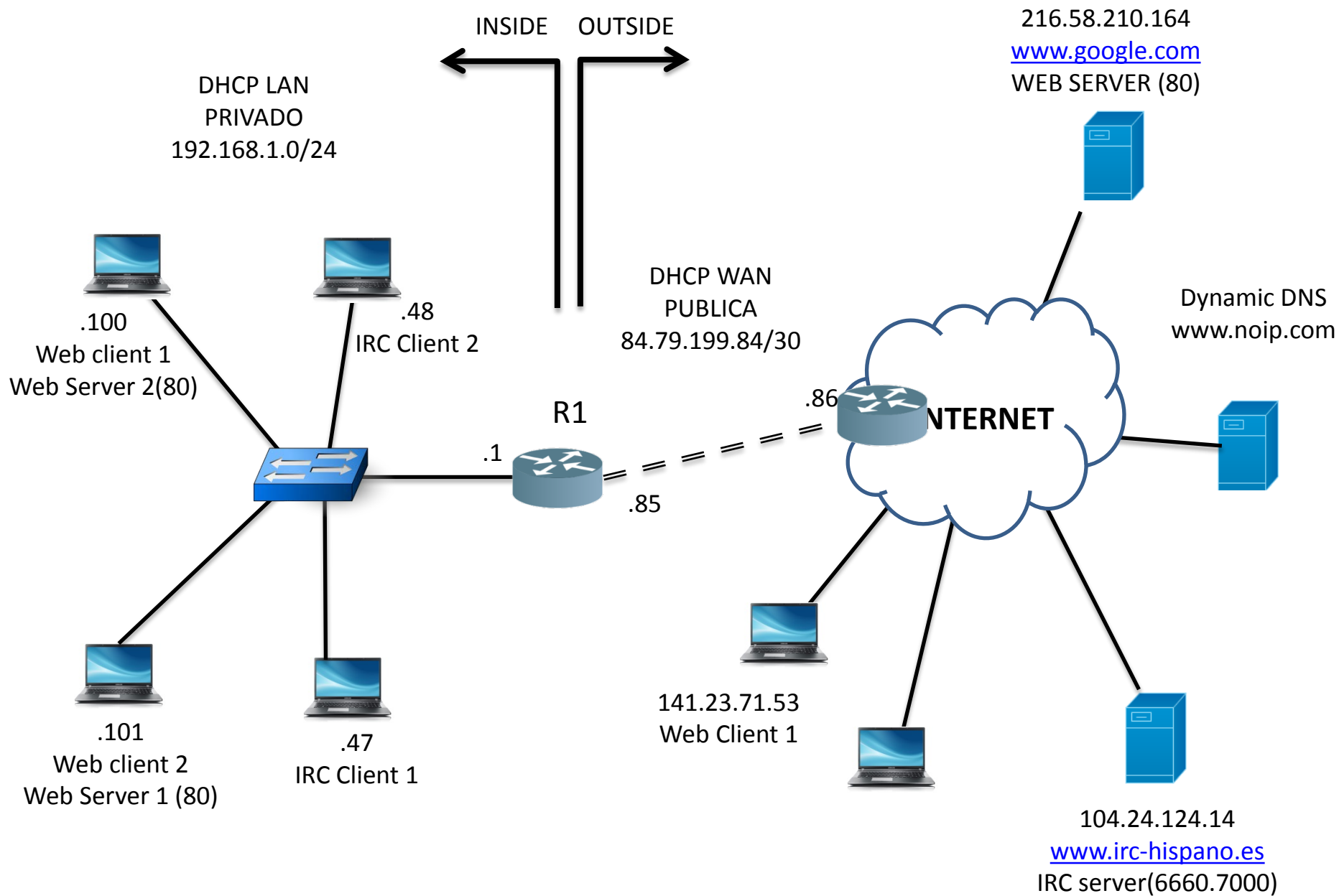


SEMINARIO
PUESTA EN MARCHA DE SERVICIOS TELEMÁTICOS EN INTERNET CON DDNS
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Protocolos y conceptos:

- DHCP
 - LAN
 - IP PRIVADA
 - WAN
 - IP PÚBLICA
 - FIJA
 - DINÁMICA
- NAT
 - ARQUITECTURA CLIENTE/SERVIDOR
 - APERTURA DE PUERTOS
 - PORT TRIGGERING



Escenarios:

- Un Cliente Web en INSIDE, un Servidor WEB en OUTSIDE

INSIDE		OUTSIDE	
LOCAL	GLOBAL	LOCAL	GLOBAL
192.168.1.100:43723	84.79.199.85: 43723	216.58.210.164:80	216.58.210.164:80

- Dos Clientes Web en INSIDE, un Servidor WEB en OUTSIDE

INSIDE		OUTSIDE	
LOCAL	GLOBAL	LOCAL	GLOBAL
192.168.1.100:43723	84.79.199.85: 43723	216.58.210.164:80	216.58.210.164:80
192.168.1.101:55522	84.79.199.85: 61723	216.58.210.164:80	216.58.210.164:80


Escenarios:

- Un servidor WEB en INSIDE, un cliente WEB en outside
 - Problemas
 - Soluciones

INSIDE		OUTSIDE	
LOCAL	GLOBAL	LOCAL	GLOBAL
192.168.1.100:43723	84.79.199.85: 43723	216.58.210.164:80	216.58.210.164:80
192.168.1.101:55522	84.79.199.85: 61723	216.58.210.164:80	216.58.210.164:80
192.168.1.101:80	84.79.199.85: 80	141.23.71.53:5432	141.23.71.53:5432


Escenarios:

- Dos servidores WEB in INSIDE, un cliente WEB en OUTSIDE

	INSIDE		OUTSIDE	
	LOCAL	GLOBAL	LOCAL	GLOBAL
D	192.168.1.100:43723	84.79.199.85: 43723	216.58.210.164:80	216.58.210.164:80
D	192.168.1.101:55522	84.79.199.85: 61723	216.58.210.164:80	216.58.210.164:80
S	192.168.1.101:80	84.79.199.85: 80	141.23.71.53:5432	141.23.71.53:5432
S	192.168.1.100:80	84.79.199.85: 	141.23.71.53:6111	141.23.71.53:6111

Escenarios:

- Un cliente IRC en INSIDE, un servidor IRC en OUTSIDE

		INSIDE		OUTSIDE	
		LOCAL	GLOBAL	LOCAL	GLOBAL
D		192.168.1.100:43723	84.79.199.85: 43723	216.58.210.164:80	216.58.210.164:80
		192.168.1.101:55522	84.79.199.85: 61723	216.58.210.164:80	216.58.210.164:80
S		192.168.1.101:80	84.79.199.85: 80	141.23.71.53:5432	141.23.71.53:5432
S		192.168.1.100:80	84.79.199.85: <div></div>	141.23.71.53:6111	141.23.71.53:6111
		192.168.1.47: 36721	84.79.199.85: 47234	104.24.124.14:6660	104.24.124.14:6660
		192.168.1.47:113	84.79.199.85: 113	104.24.124.14:2893	104.24.124.14:2893

Escenarios:

- Dos clientes IRC en INSIDE, un servidor IRC en OUTSIDE

	INSIDE		OUTSIDE	
	LOCAL	GLOBAL	LOCAL	GLOBAL
D	192.168.1.100:43723	84.79.199.85: 43723	216.58.210.164:80	216.58.210.164:80
D	192.168.1.101:55522	84.79.199.85: 61723	216.58.210.164:80	216.58.210.164:80
S	192.168.1.101:80	84.79.199.85: 80	141.23.71.53:5432	141.23.71.53:5432
S	192.168.1.100:80	84.79.199.85: <div></div>	141.23.71.53:6111	141.23.71.53:6111
D	192.168.1.47: 36721	84.79.199.85: 47234	104.24.124.14:6660	104.24.124.14:6660
PT	192.168.1.47:113	84.79.199.85: 113	104.24.124.14:2893	104.24.124.14:2893
D	192.168.1.48:3456	84.79.199.85: 4423	104.24.124.14:6661	104.24.124.14:6661
PT	<div></div>	<div></div>	104.24.124.14:2893	104.24.124.14:2893