## TEMA 2 **SERVICIOS Y PROTOCOLOS** DE APLICACIÓN EN INTERNET

Fundamentos de Redes 2019/2020



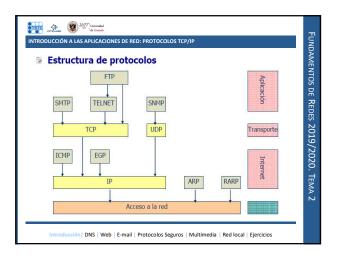


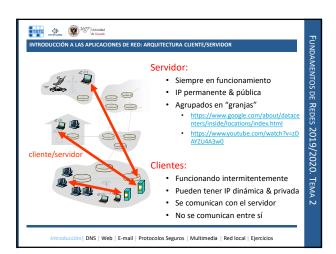


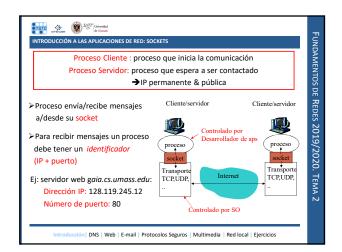
TSTC CONSUMER Ug7 Universidad de Grande Tema 2. SERVICIOS Y PROTOCOLOS DE APLICACIÓN EN INTERNET 1. Introducción a las aplicaciones de red 2. Servicio de Nombres de Dominio (DNS) 3. La navegación Web 4. El Correo electrónico 5. Seguridad & protocolos seguros 6. Aplicaciones multimedia 7. Aplicaciones para interconectividad de redes locales 8. Cuestiones y ejercicios

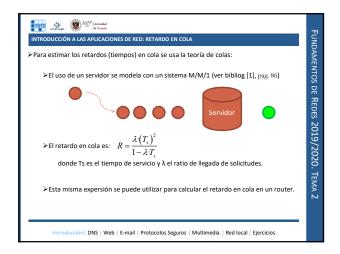
FUNDAMENTOS DE REDES 2019/2020. TEMA 2

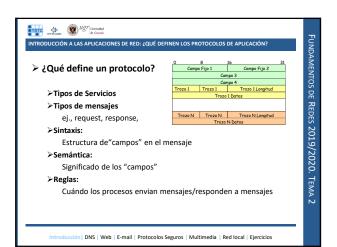
FUNDAMENTOS DE REDES 2019/2020. TEMA 2

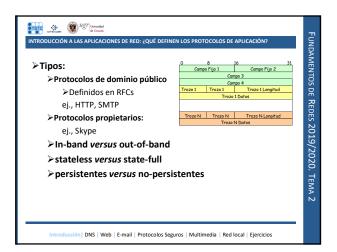


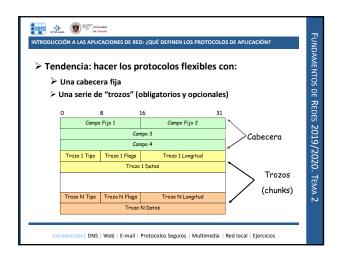


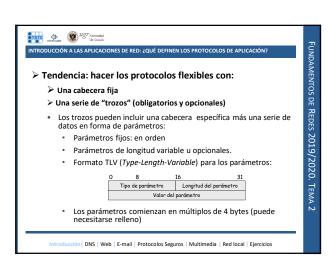




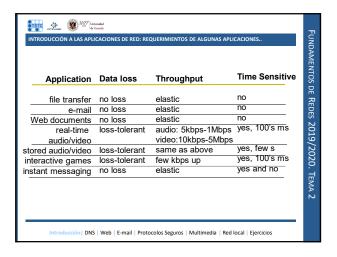


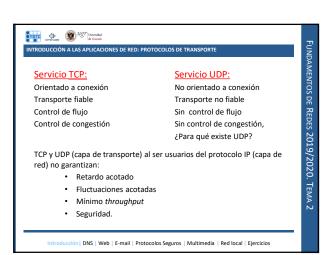






TESTS OFFICIAN WEST Chromolod of Grounds	
INTRODUCCIÓN A LAS APLICACIONES DE RED: CARACTERÍSTICAS	NE NE
Pérdida de datos Algunas aps (ej., audio) pueden tolerar alguna pérdida de datos; otras (ej.FTP, telnet) requieren transferencia 100% fiable	FUNDAMENTOS DE
Requisitos temporales Algunas aps (ej., telefonía Internet, juegos interactivos) requieren bajo retraso (delay) para ser efectivas	REDES 2019/2020. TEMA 2
Rendimiento (Throughput) Algunas aps requieren envío de datos a un ritmo determ.	9/2020.
Seguridad Encriptación, autenticación, no repudio,	TEMA 2
Introducción   DNS   Web   E-mail   Protocolos Seeuros   Multimedia   Red local   Ejercicios	



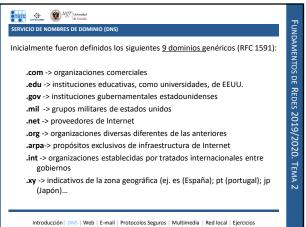


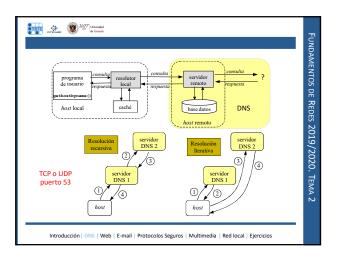
Application	Application layer protocol	Underlying transport protocol
e-mail	SMTP [RFC 2821]	TCP
remote terminal access	Telnet [RFC 854]	TCP
Web	HTTP [RFC 2616]	TCP
file transfer	FTP [RFC 959]	TCP
streaming multimedia	HTTP (eg Youtube), RTP [RFC 1889]	TCP or UDP
Internet telephony	SIP, RTP, proprietary	
	(e.g., Skype)	typically UDP

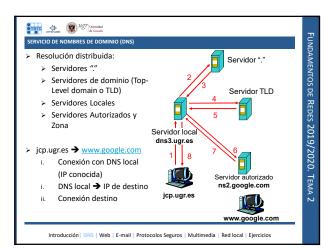
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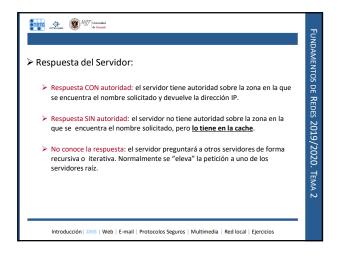




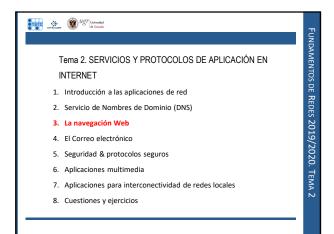


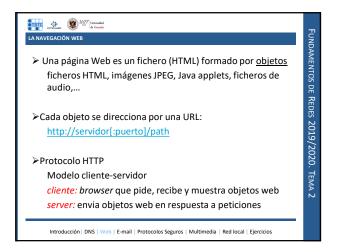


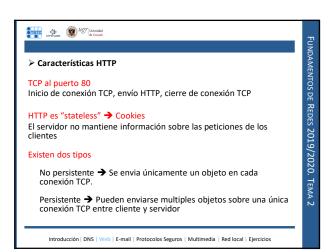
Critical Marie Constant	FUN
➤ Gestión de la base de datos DNS:	FUNDAMENTOS DE
> Cada zona debe tener <i>al menos</i> un servidor de autoridad.	OS DE
En cada zona hay servidores primarios (copia master de la db) y secundarios (obtiene la db por transferencia)	REDES
> Además, existe un servicio de <i>cache</i> para mejorar prestaciones	2019
> La topología real de servidores es complicada: existe 13 servidores raiz (A-M)	9/202
> El root-server F (y otros) tiene un servidor en Madrid (Espanix: punto neutro)	REDES 2019/2020. TEMA 2
	Α 2
Introducción   DNS   Web   E-mail   Protocolos Seguros   Multimedia   Red local   Ejercicios	

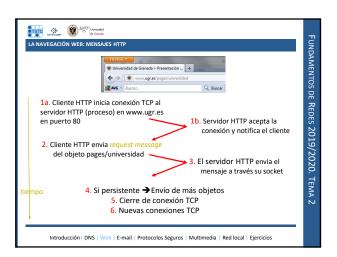


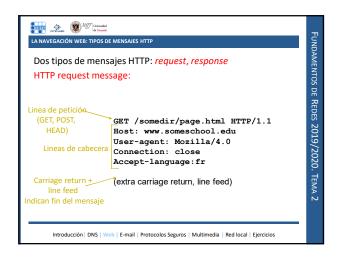


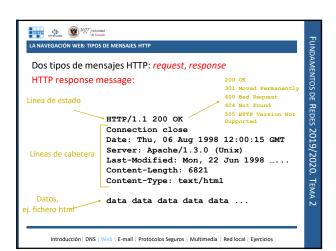


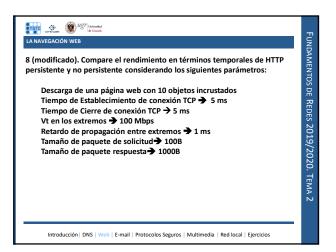


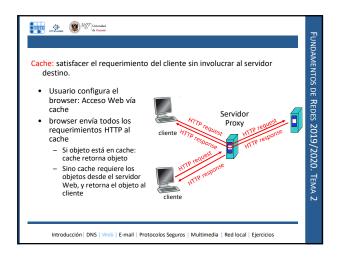


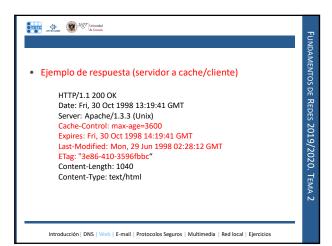


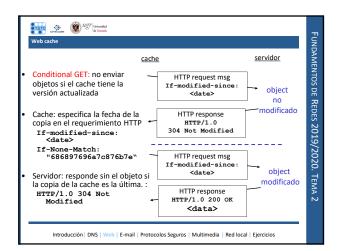


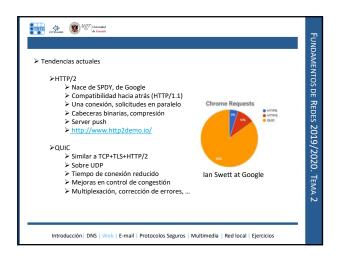


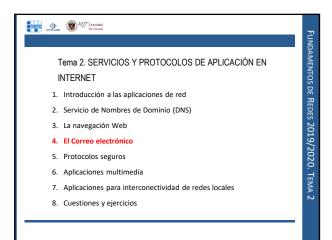


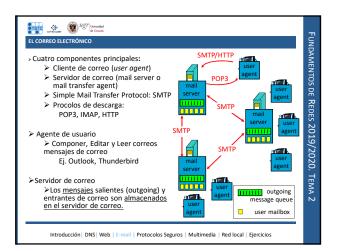


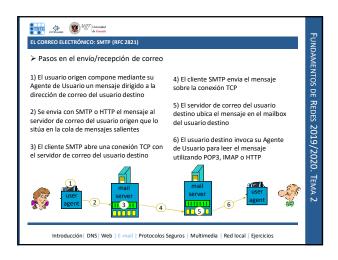


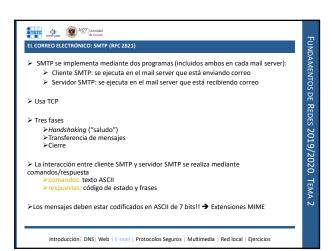


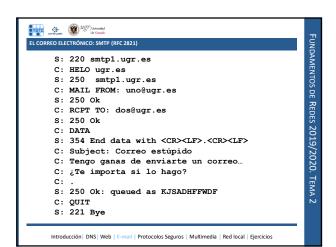












13

