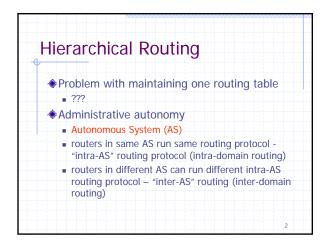
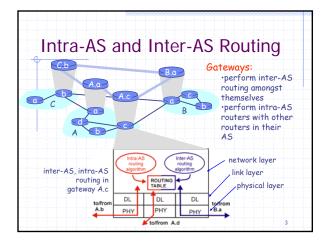
	<ul> <li>Introduction to</li> <li>r Networks</li> </ul>
Lecture 10 (Routing II)	- Network Layer

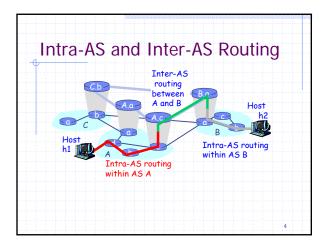




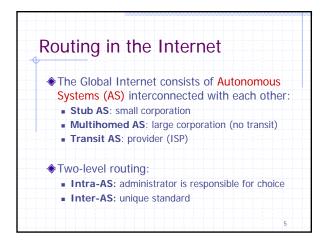




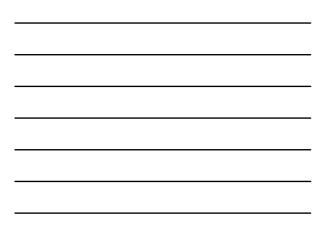






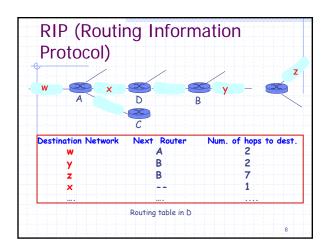


	S Routing
Also kno (IGP)	wn as Interior Gateway Protocols
Most cor	mmon IGPs:
	Routing Information Protocol nce vector) – RIP v2
OSPF – OSF	: Open Shortest Path First (link state) PF v2

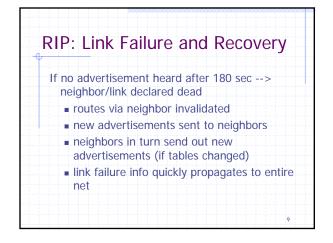


	P (Routing Information otocol)	
۲	Distance vector algorithm	
۲	Included in BSD-UNIX Distribution in 1982 Originate from Xerox Network System (XNS)	
۲	Distance metric: # of hops (max = 15 hops) Use # of hops as the link cost	
۲	Distance vectors: exchanged every 30 sec via Response Message (also called <b>advertisement</b> ), is actually the routing table	
*	Each advertisement: route to up to 25 destination nets	
	7	











	e Example flee.eurocom.fi	r			
Destination	Gateway	Flags	Ref	Use	Interface
127.0.0.1	127.0.0.1	UH	0	26492	100
192.168.2.	192.168.2.5	U			fa0
193.55.114.	193.55.114.6	U		58503	
192.168.3.	192.168.3.5	U	2	25	
default	193.55.114.129	UG	0	143454	
Three attached	class C networks (I	(ANs)			
	ows routes to attach		Ie		
-			10		
Default router u	ised to "go up"				
Route multicast	address: 224.0.0.0				
toute municus	uuuress. 22 1.0.0.0	, g)			



