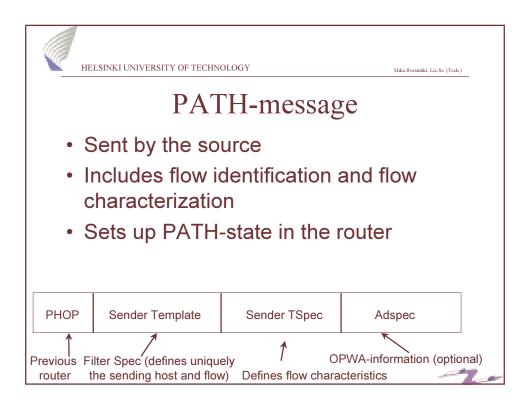
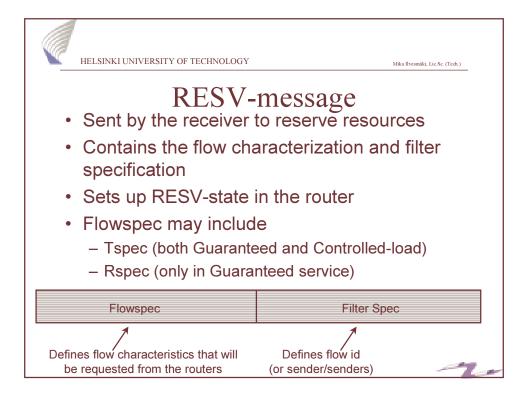
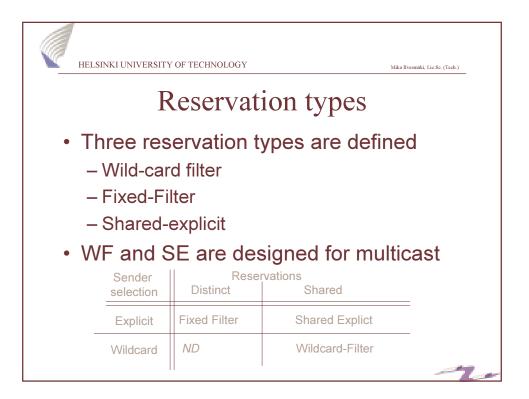
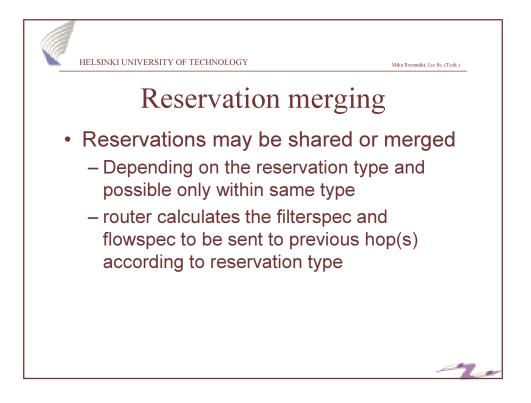


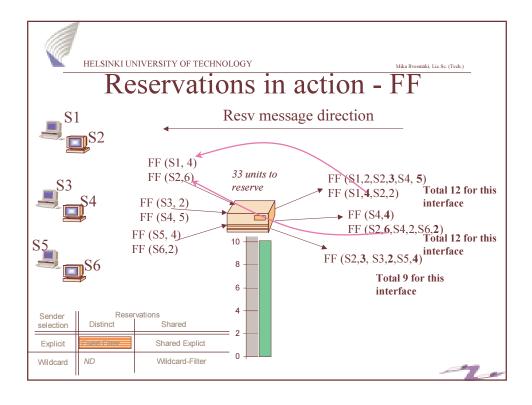
HELSINKI UNIV	/ERSITY OF TECHNOLOGY		Mika Ilvesm	äki, Lic.Sc. (Tech.)		
RSVP message format						
IP header						
Version Flags	Message types	RSVP checksum		common		
Send TTL	Reserved	RSVP length		header		
Length	Length Ctass-num C type					
Object content (vari	iable length)	\times		object header		
NULL	SESSION	РАТН	RESV			
RSVP_HOP	TIME_VALUE	PATHErr	RESVE	rr		
STYLE	FLOWSPEC	PATHTear	RESVE			
FILTER_SPEC	SENDER_TEMPLAT	RESVConf	RL3VI			
SENDER_TSPEC	ADSPEC	RESVCOII				
ERROR_SPEC	POLICY_DATA					
INTEGRITY	SCOPE					
RESV_CONFIRM						
		-		-1-		

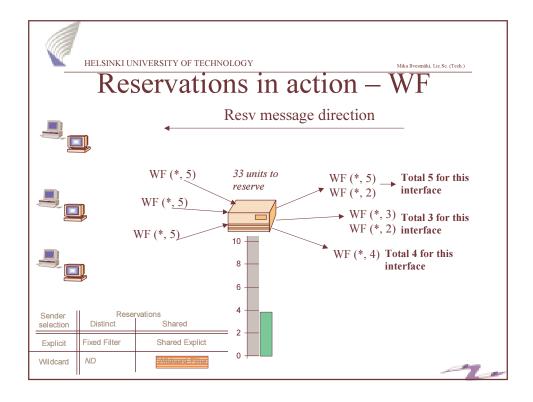


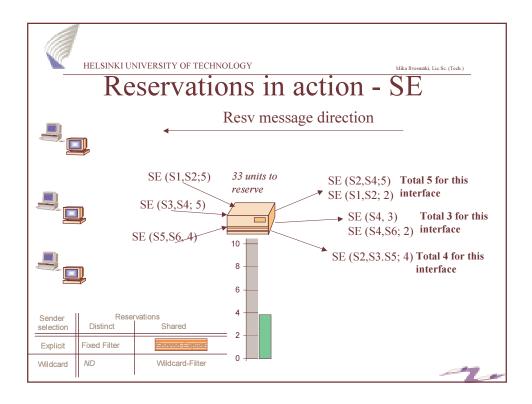


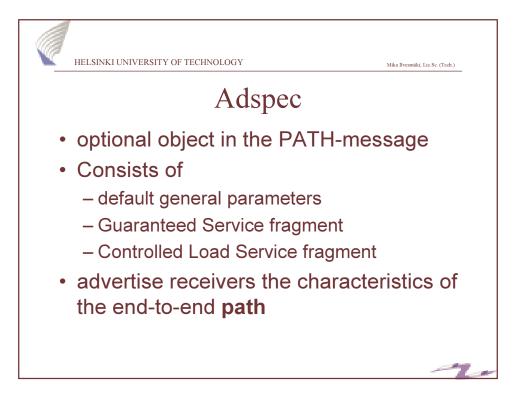


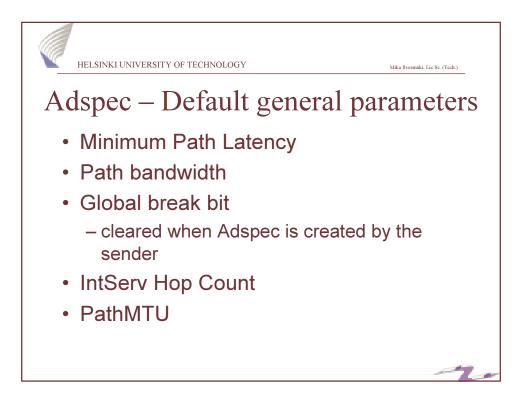


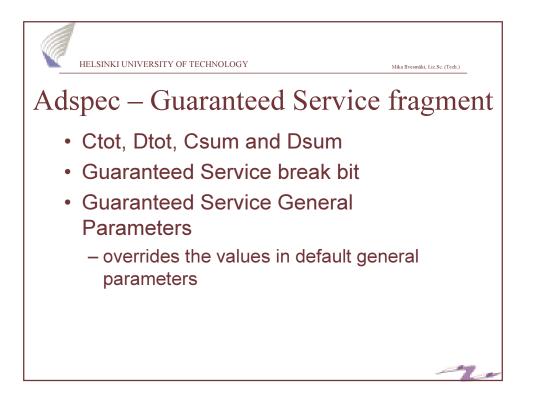


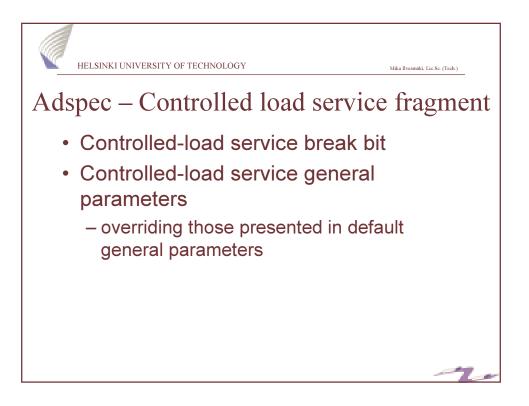


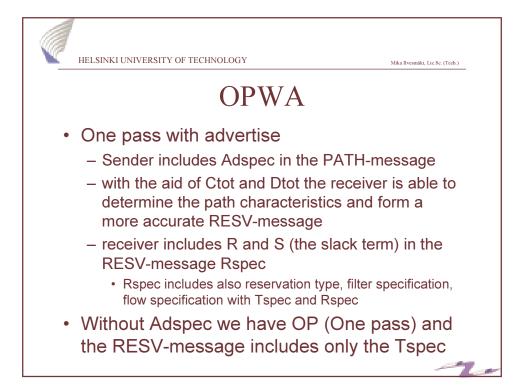


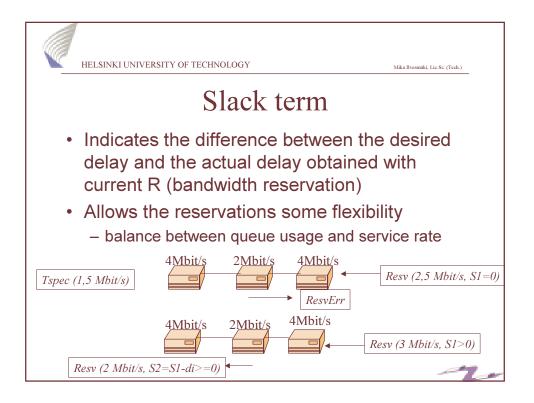


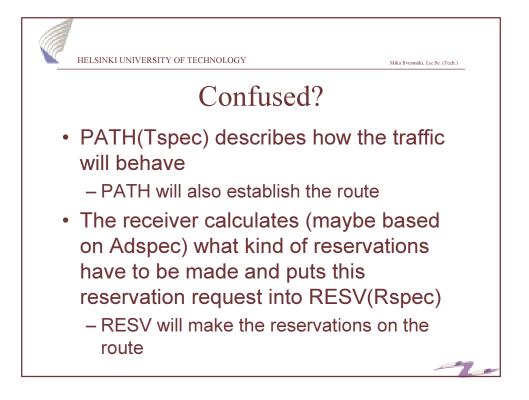


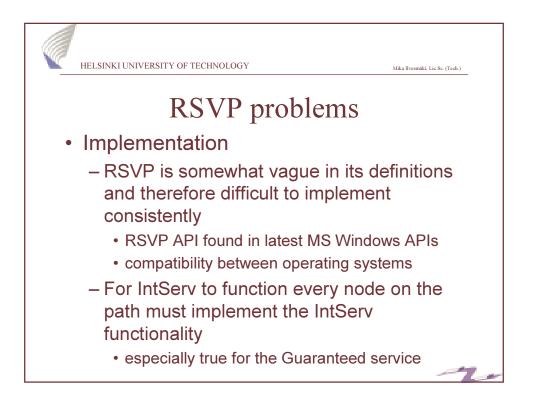


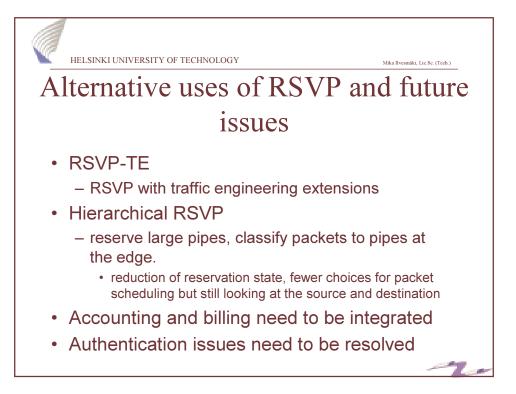


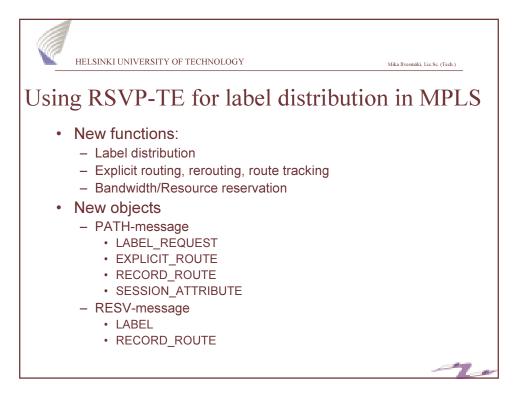




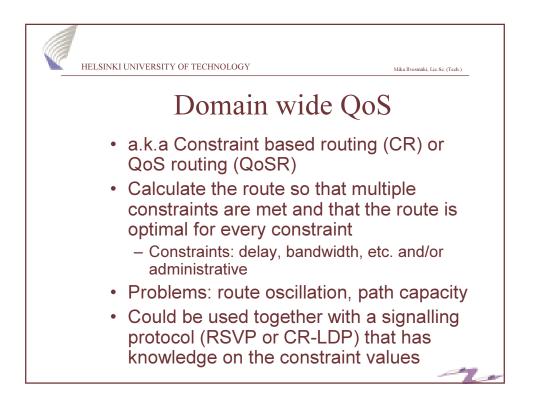


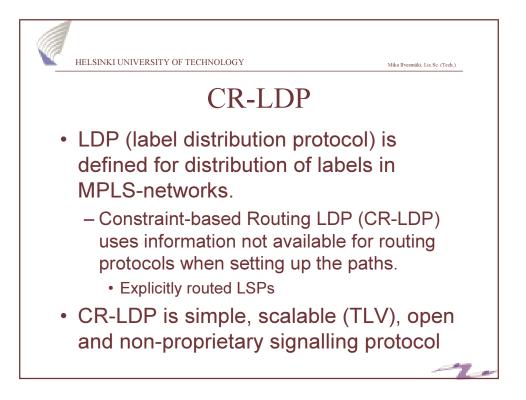


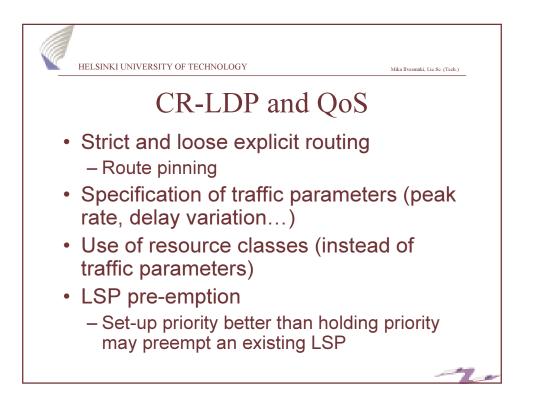












	sity of technology aring RSVP_	TE and CF	Mika Ilvesmäki, Lic Sc. (Tech.)
 Both can be used to establish LSPs CR-LDP works over TCP, RSVP works over IP (or UDP) Direction of resource reservations is different 	Property	CR-LDP	RSVP_TE
	Transport mechanism	Transport on TCP (reliable)	Raw IP packets (unreliable)
	State management	Hard state	Soft state; needs per-flow refresh management
	Msgs required for LSP set-up and maintenance	Request, mapping	Path, Resv, Resv_Conf
	Base architecture	Based on LDP for MPLS	Based on RSVP, may require major changes
	Signalling of QoS and traffic parameters	Can signal DiffServ and ATM traffic classes	Extendable, currently based on IntServ
	Types of LSPs	Strict, loose, and loose pinned	Strict and loose, no pinning
	Models of label distribution and LSP set-up	All modes	Only downstream on demand
	Failure notification	Reliable procedure	Unreliable procedure
	Loop detection/prevention	Employs path vector TLV to prevent Label Request –loops. Hop Count TLV used to find looping LSPs	May be done using Record_Route -object