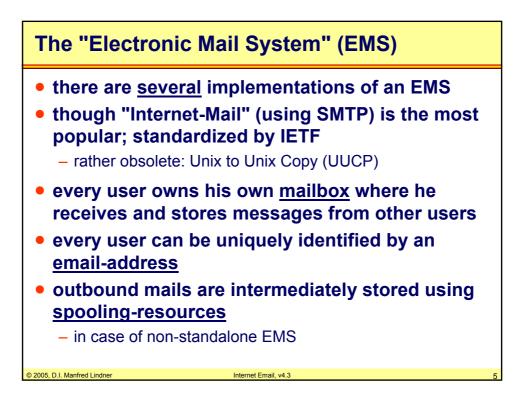
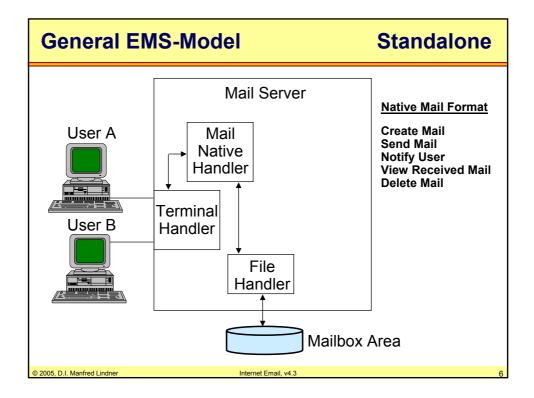
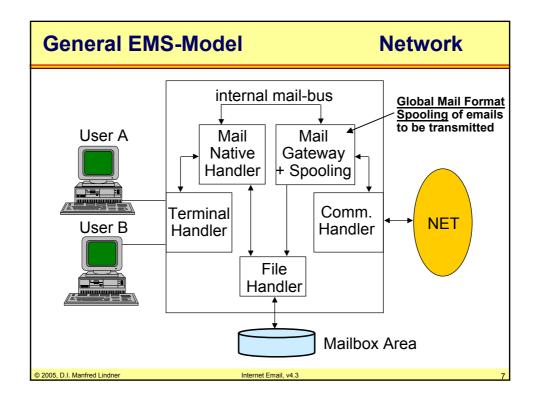
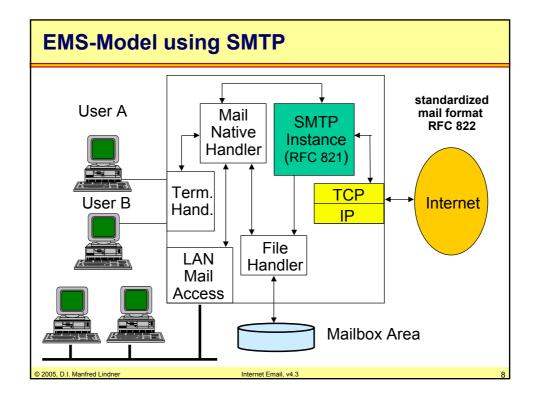


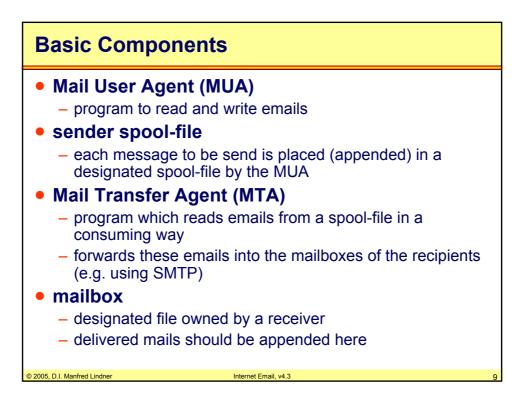
History	
<ul> <li>in 1972 by R</li> <li>initially start file from one</li> </ul>	ail has been invented ay Tomlinson (note TCP in 1974) ed as a simple service that copied a machine to another and appended pient's "mailbox" file
<ul> <li>several mach</li> <li>several mail</li> <li>demand for r</li> <li>demand for e</li> </ul>	ange techniques hine-dependent character sets content formats multi-media extensions
© 2005, D.I. Manfred Lindner	Internet Email. v4.3 4

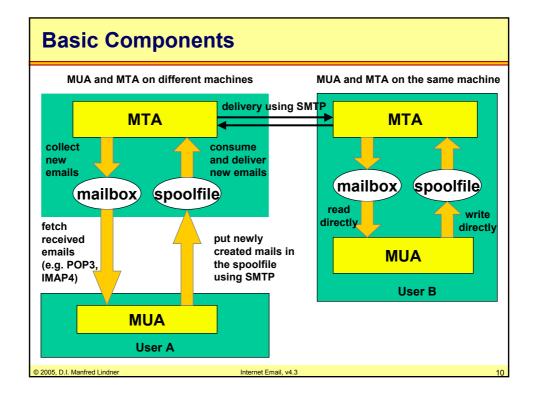


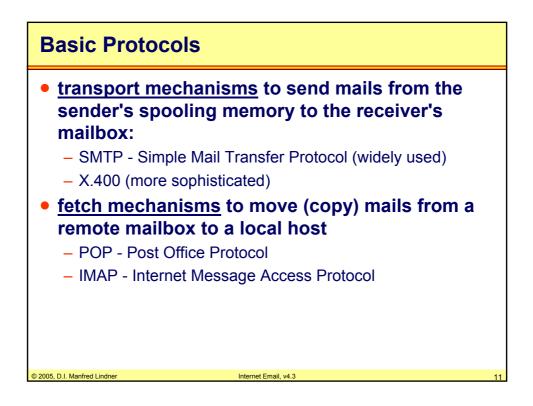


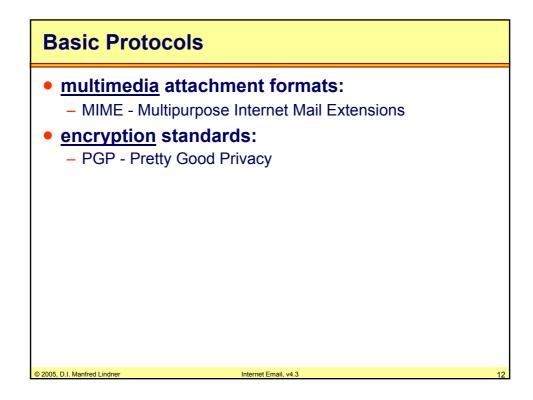


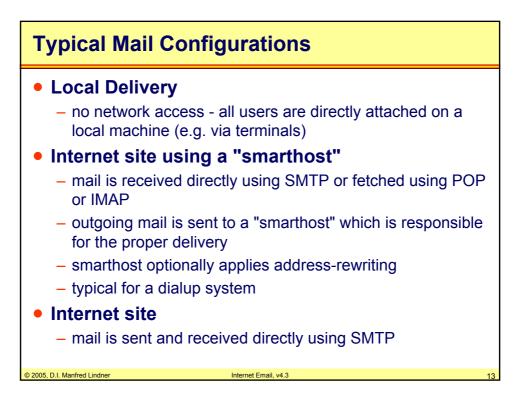




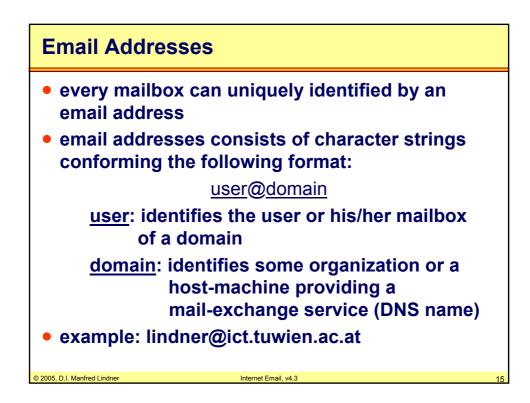


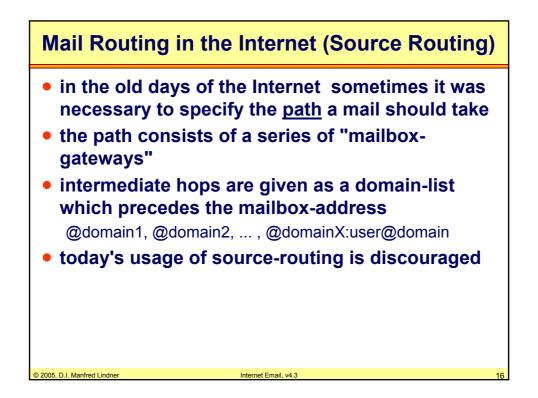


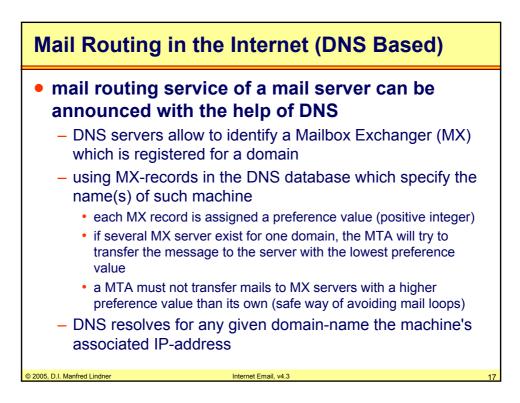


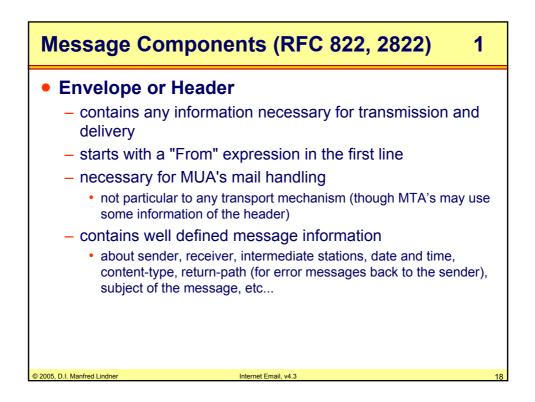


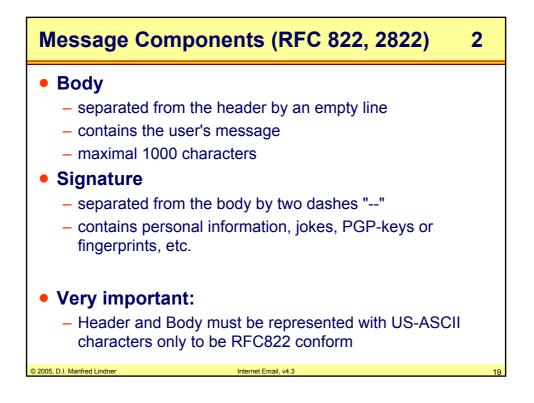
Agenda		
<ul> <li>Introduction</li> <li><u>Email Addres</u></li> <li>SMTP</li> <li>POP</li> <li>IMAP</li> <li>MIME</li> <li>X.400</li> <li>RFCs</li> </ul>	<u>s, Routing, Format</u>	
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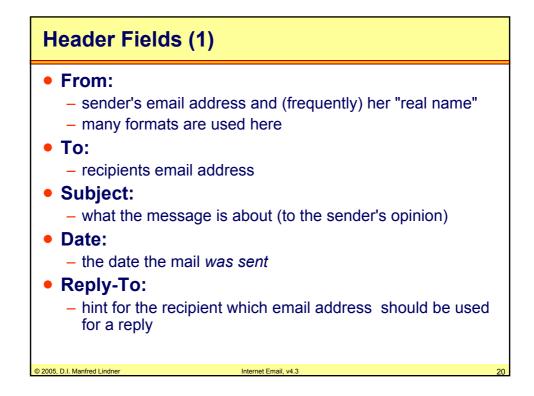


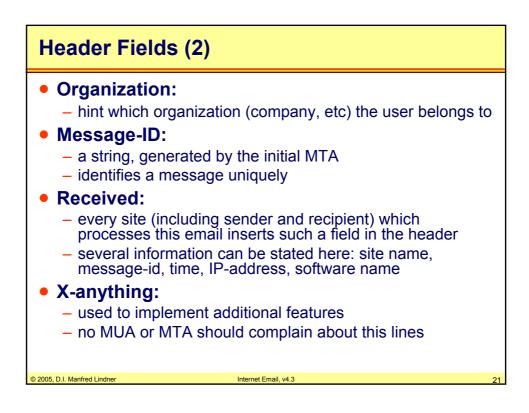




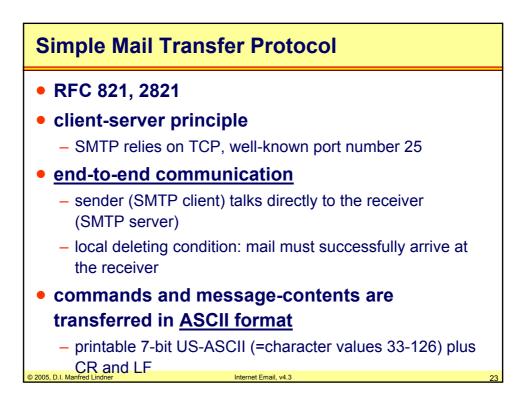




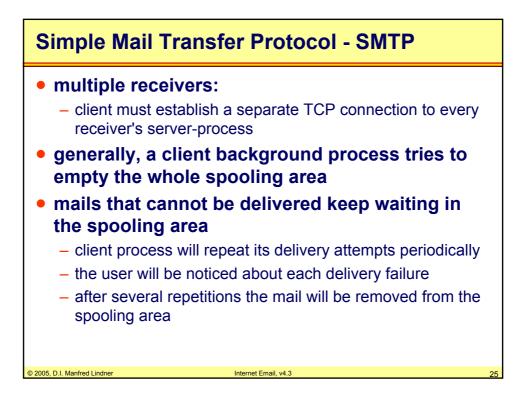


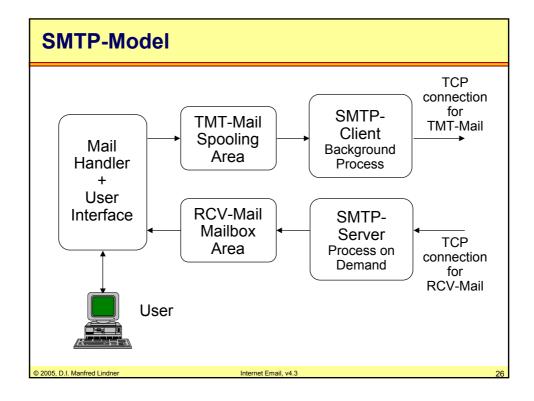


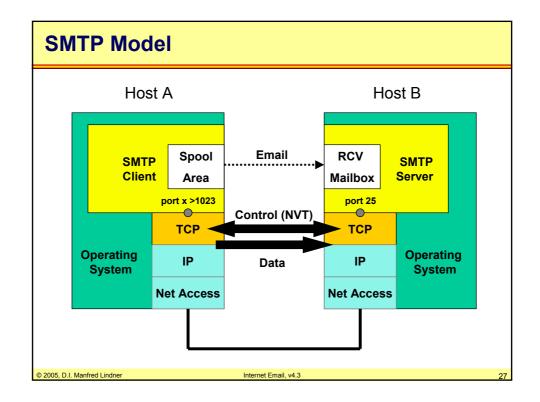
Agenda		
<ul> <li>Introduction</li> <li>Email Addres</li> <li><u>SMTP</u></li> <li>POP</li> <li>IMAP</li> <li>MIME</li> <li>X.400</li> <li>RFCs</li> </ul>	s, Routing, Format	
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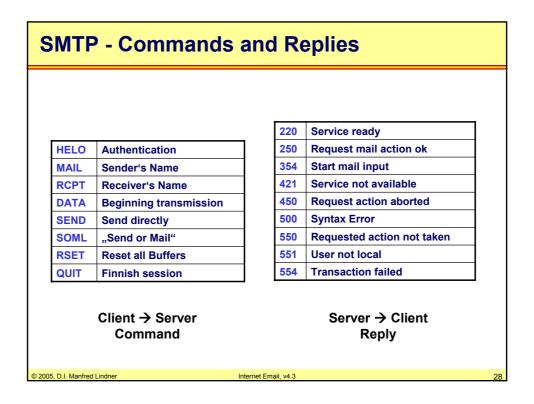


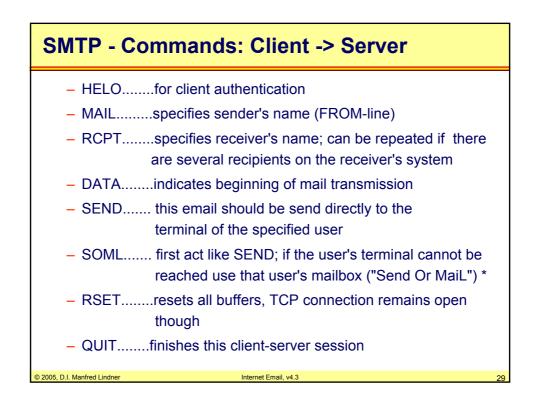
SCII-Code										
Amer	ricar	n Stano	dard C	ode fo	r Infori	mation	Interc	hange	•	
Bit Positions	7 6 5	0 0 0	0 0 1	0 1 0	0 1 1	1 0 0	1 0 1	1 1 0	1 1 1	
0 0 0	0	Null	DLE	SP	0	@	Р	١	р	
0 0 0	1	SOH	DC1	!	1	A	Q	a	q	
0 0 1	0	STX	DC2	"	2	B	R	b	r	
0 0 1	1	ETX	DC3	#	3	C	S T	<u> </u>	S	
0 1 0	0	EOT ENQ	DC4 NAK	\$ %	4 5	D E	T U	d	t	
	0		SYN	~~ &	5 6	F	V	e f	u v	
0 1 1	1	BEL	ETB	×	7	G	Ŵ	g	w	
1 0 0	0	BS	CAN	(	8	н	X	h	X	
1 0 0	1	НТ	EM		9	ï	Ŷ	i	v	
1 0 1	0	LF	SUB	*	:	J	Ż	i	z	
1 0 1	1	VT	ESC	+	;	K	]	k	{	
1 1 0	0	FF	FS	,	<	L	٦.		Ī	
1 1 0	1	CR	GS	-	=	М	]	m	}	
1 1 1	0	SO	RS		>	N	^	n	~	
1 1 1	1	SI	US	1	?	0		0	DEL	
4   3   2   1       Transmission Control   Format Control										
Printable Character Information Separator Others										
. Manfred Lindner				Internet Ema	ail, v4.3					2

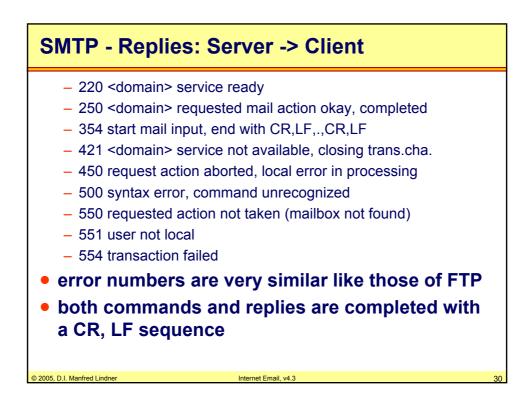


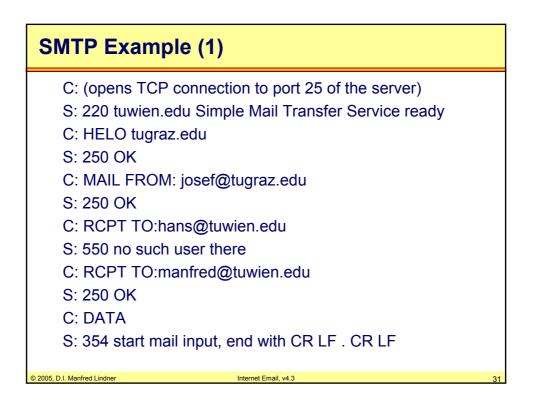




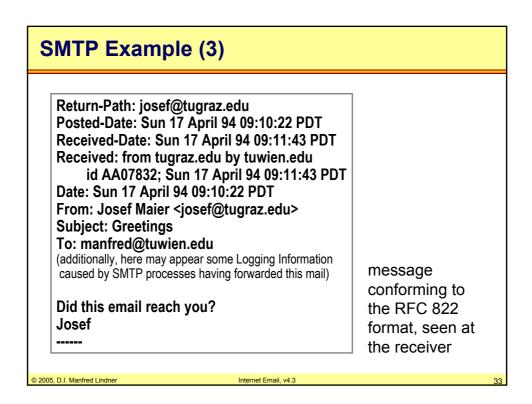




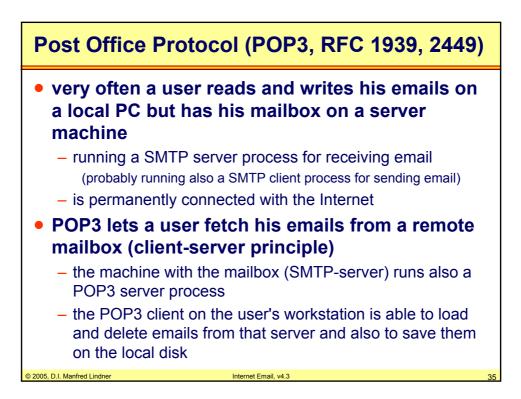




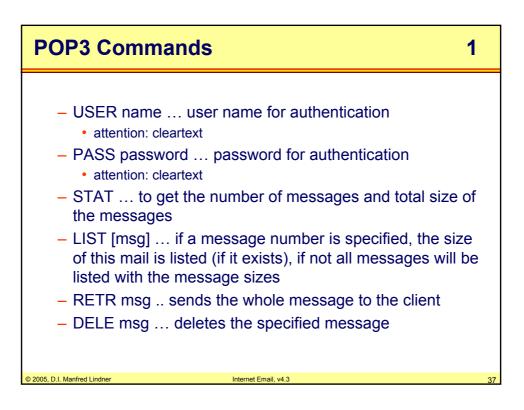
SMTP Example (2)				
C: sends	message im RFC 822 Format			
	Date: Sun 17 April 94 09:10:22 From: Josef Maier <josef@tugraz.edu> Subject: Greetings To: manfred@tuwien.edu</josef@tugraz.edu>			
	Did this email reach you? Josef			
C: CR , I	_F , . , CR , LF			
S: 250 C	ОК			
C: QUIT				
S: 221 t	uwien.edu closing transmission chai	nnel		
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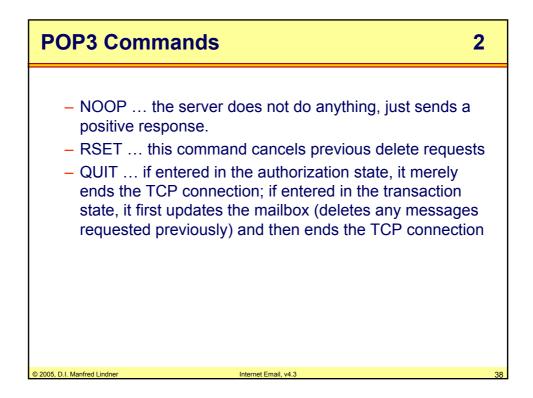


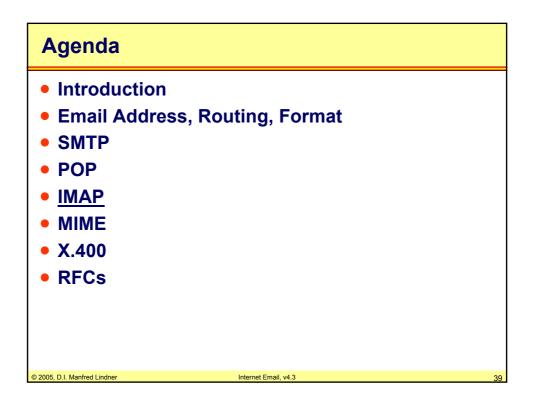
Agenda		
<ul> <li>Introduction</li> <li>Email Addres</li> <li>SMTP</li> <li>POP</li> <li>IMAP</li> <li>MIME</li> <li>X.400</li> <li>RFCs</li> </ul>	s, Routing, Format	
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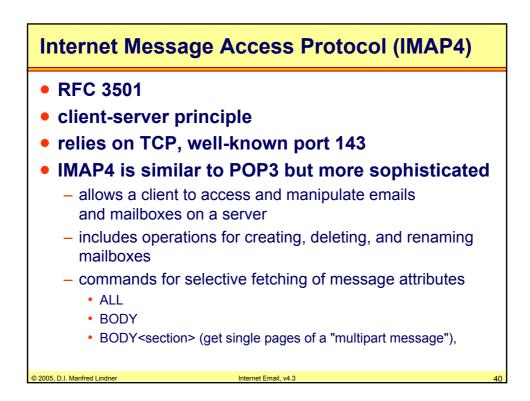


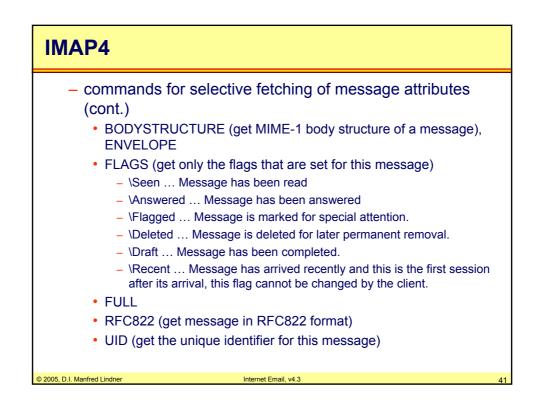
POP3 Principles	
<ul> <li>POP3 relies on TCP         <ul> <li>well-known port number 110</li> <li>again commands and error-/state-messages a</li> </ul> </li> </ul>	re
<ul> <li>exchanged using ASCII characters</li> <li>– communication procedure is similar to SMTP</li> <li>Some examples of "LAN Mail Access M</li> </ul>	odules
and/or Native Mail Systems"	
<ul><li>Pegasus Mail (DOS/Windows)</li><li>Eudora</li></ul>	
<ul> <li>Groupwise (Novel, originally IPX based)</li> <li>MS Exchange</li> </ul>	
<ul> <li>MS Outlook</li> <li>Lotus Notes</li> </ul>	
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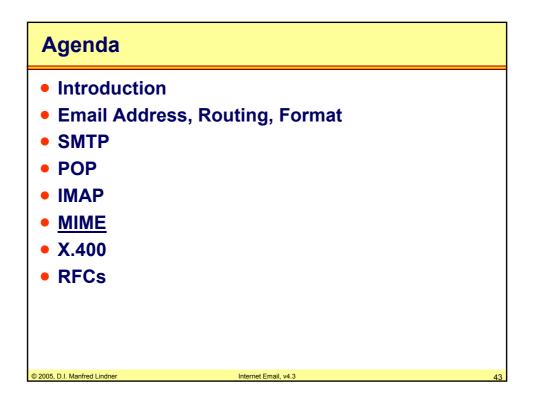


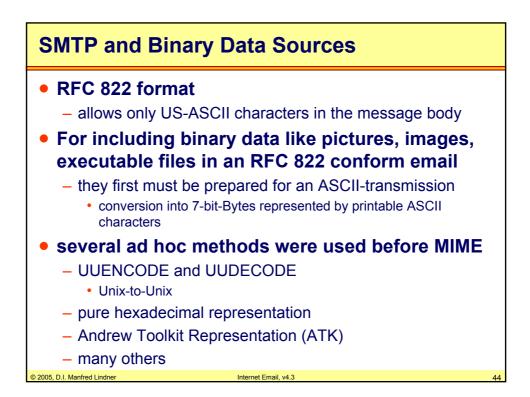


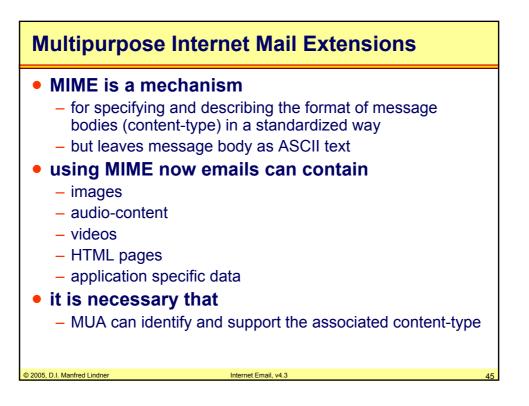


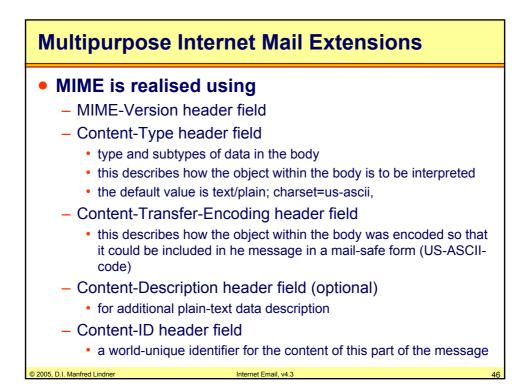


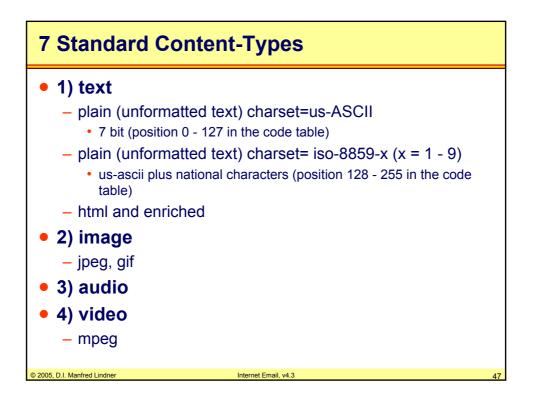
IMAP4	
<ul> <li>search-command</li> <li>searches a mailbox for messages that match a given crite (search keys)</li> <li>examine-command:         <ul> <li>enables <i>read-only</i> mailboxes</li> <li>maintains several <i>flags</i> for each message</li> <li>SEEN, ANSWERED, DRAFT, DELETED, FLAGGED</li> </ul> </li> </ul>	ria
<ul> <li>RFC 1733</li> <li>– specifies "Distributed Electronic Mail Models in IMA <ul> <li>offline use model</li> <li>online use model</li> <li>disconnected use model</li> </ul> </li> </ul>	\P4"
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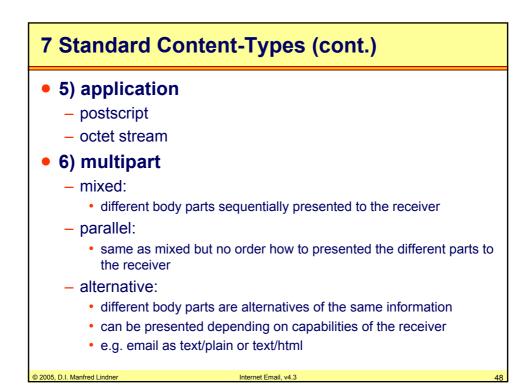


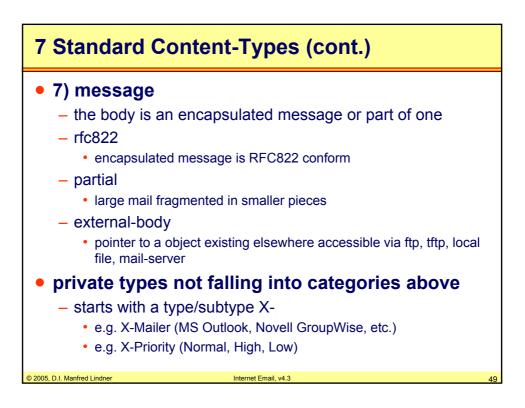


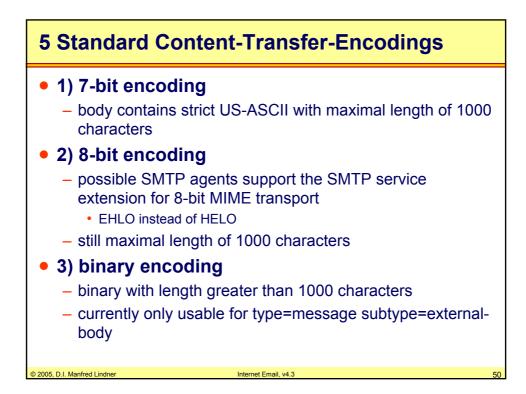


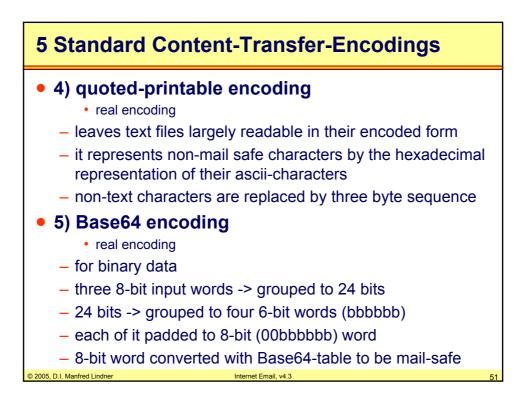




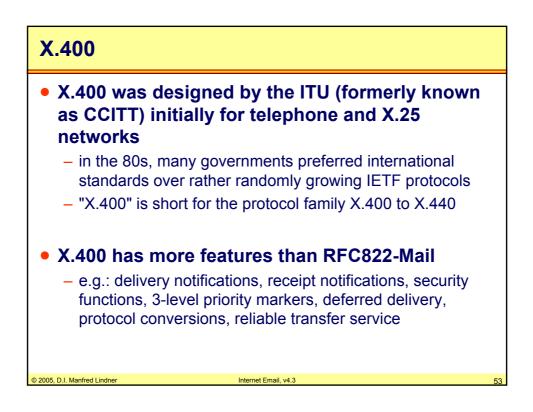


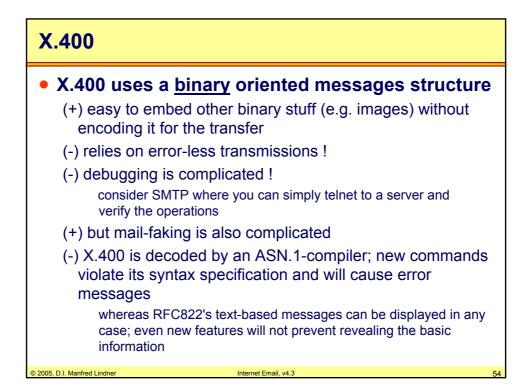


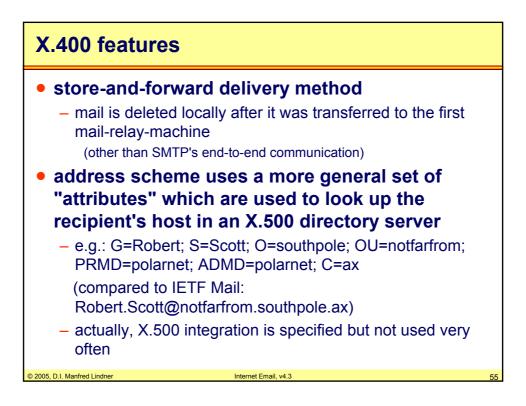


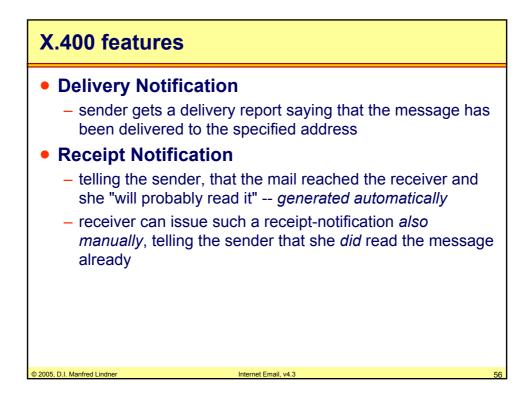


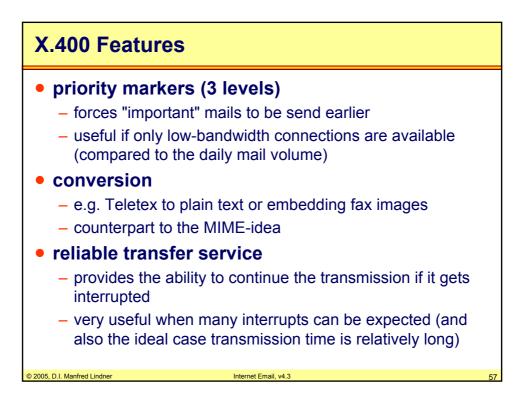
Agenda		
<ul> <li>Introduction</li> <li>Email Address</li> <li>SMTP</li> <li>POP</li> <li>IMAP</li> <li>MIME</li> <li>X.400</li> <li>RFCs</li> </ul>	, Routing, Format	
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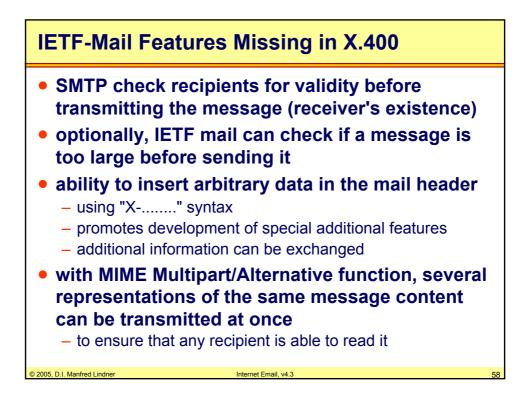


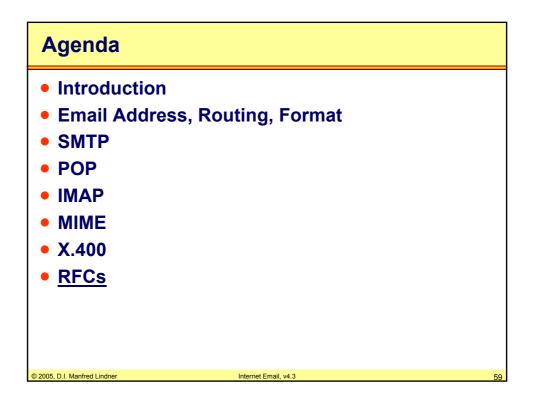












RFCs		
• Mail:	RFC 822 (obsolete), RFC 2822	
• SMTP:	RFC 821 (obsolete), RFC 2821	
• POP2:	RFC 937	
• POP3:	RFC 1081, RFC 1225, RFC 1460, RFC 1725, RFC 1939	
POP3 Au	thentication: RFC 1734	
• APOP:	RFC 1460, RFC 1725, RFC 1939	
• RPOP:	RFC 1081, RFC 1225	
• IMAP2, II	MAP2BIS: RFC 1176, RFC 1732	
• IMAP4:	RFC 1730, RFC 1731, RFC 1732, RFC 2060, RFC 2061, RFC 3501	
• MIME:	RFC 2045, 2046, 2047, 2048, 2049	
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