

		Transparency			Practicability			Performance				
Provider		Public Rate Limits	Registration Required Data	Privacy Policy	Provider Setup	Delta Chat Setup	Provider Migration	Attachment Size	Speed	IMAP Features	Interoperability	
					Steps Needed	Steps Needed	Auto Forward				Send	Receive
Freemium / Advertising	AOL Mail	no	name, phone, DOB, address	Link1 Link2	5	5	No	25MB	9,26	- - -	?	?
	Gmail Free	Link	name, phone, DOB, address	Link	6	8	yes	25MB	5,91	I C Q	100%	100%
	GMX FreeMail	no	name, phone, DOB, address	Link1 Link2	3	4	yes	20MB	1,56	I - -	?	?
	hotmail.com	Link	name, phone, DOB, address	Link	6+7	1	yes	30MB	5,06	I - -	?	?
	iCloud Mail	Link	name, phone, DOB, address	Link	5	5	yes	15MB	6,69	I C Q	100%	100%
	ik.me	Link	name, phone, DOB, address	Link1 Link2	6	1	not for free	25MB	4,65	I C Q	100%	100%
	mail.ru	Link	name, phone, DOB, address	Link1 Link2	4	7	yes	36MB	3,53	- - -	93%	100%
	mail.de	no	name, phone, DOB, address	Link	3	1	yes	36MB	5,55	I C Q	100%	100%
	mailo.com	no	name, gender, DOB, email address	Link	4	1	yes	36MB	126,46	I - Q	100%	100%
	Outlook.com	Link	name, region, DOB	Link	6	1	yes	30MB	4,92	I - -	?	?
	WEB.de	no	name, address, gender, DOB, unverified phone	Link	4	6	yes	15MB	1,61	I - Q	?	?
	Yahoo Mail	no	name, address, gender, DOB, unverified phone	Link	4	6	not for free	25MB	6,75	- - -	?	?
	Yandex.Mail	Link	name, address, gender, DOB, unverified phone	Link	5	8	yes	35MB	7,12	I - -	93%	100%
	Zoho Mail Lite	Link	name, address, gender, DOB, unverified phone	Link	2	8	yes	20MB	10,32	I C -	100%	100%

		Transparency			Practicability			Performance				
Provider		Public Rate Limits	Registration Required Data	Privacy Policy	Provider Setup	Delta Chat Setup	Provider Migration	Attachment Size	Speed	IMAP Features	Interoperability	
					Steps Needed	Steps Needed	Auto Forward				Send	Receive
Paying Users	fastmail	Link	phone	Link	3+4	5	yes	36MB	7,86	I C Q	100%	100%
	mailbox.org Light	no	name, DOB	Link	9	1	yes	36MB	8,40	I C Q	100%	93%
	Posteo	Link	none	Link	4	1	yes	36MB	3,33	I C Q	100%	93%
Donations	riseup.net	no	email address	Link	3	1	yes	15MB	7,26	I C Q	100%	100%
	buzon.uy	no	email address	Link	4	1	yes	36MB	5,13	I C -	100%	100%
	disroot.org	no	email address	Link	6+1	1	yes	36MB	6,06	I C Q	100%	100%
	e.email	no	email address	Link	4	1	yes	36MB	3,47	I C Q	100%	100%

Public Rate Limits:	Links to public details about rate limits policies. "No" means it's not provided.
Required Registration Data:	The personal data providers ask for at account creation. Yellow if providers require your name. Red if providers require a phone number.
Privacy Policy:	Link to privacy policy. All providers have a public privacy policy.
Provider Setup (Steps Needed):	How many steps the registration takes. Yellow if 5 or more. Red if users need to continue at some later date.
Delta Chat Setup (Steps Needed):	How many steps the Delta Chat setup takes. Yellow if more than one step. Red if six or more steps.
Provider Migration (Auto Forward):	If users can forward incoming mail to a different account. Red means that providers lock-in users, e.g. through required payment.
Attachment Size:	Limits to attachment size. 36MB is the limit set by Delta Chat. Yellow if less than 30MB.
Speed:	How many seconds it takes to deliver a 10KB test message. Yellow if more than 10 seconds. Red if more than 60 seconds.
IMAP Features:	Supported IMAP features which are important for Delta Chat usability. Yellow if available (Q)uota isn't shown. Red if push notification via (I)dle is missing and/or unread state can't be synchronized between devices with (C)ondstore.
Q C I:	Q: QUOTA, C: CONDSTORE, I: IDLE. Different IMAP Features which a server must support so Delta Chat provides the best possible user experience.
Interoperability (Send):	Percent of tested providers which could be reached. Yellow means that the provider is blocked by some providers. Purple means that the provider made testing impossible through automated spam detection.
Interoperability (Receive):	Percent of tested providers which weren't blocked. Yellow means that the provider blocks some other providers. Purple means that the provider made testing impossible through automated spam detection.

					Transparency			
Provider					Public Rate Limits	Registration Required Data	Privacy Policy	Provider Setup
		legal operator	open registration	costs (basic fare)				Steps Needed
Freemium / Advertising	AOL Mail	Yahoo! Inc.	yes	no	no	name, address, phone, DOB	Link1 Link2	5
	Gmail Free	Google LLC	yes	no	Link	name, address, phone, DOB	Link	6
	GMX FreeMail	1&1 Mail & Media	yes	no	no	name, address, phone, DOB	Link1 Link2	3
	hotmail.com	Microsoft	yes	no	Link	name, address, phone, DOB	Link	6+7
	iCloud Mail	Apple Inc.	yes	no	Link	name, address, phone, DOB	Link	5
	ik.me	infomaniak	yes	no	Link	name, address, phone, DOB	Link1 Link2	6
	mail.ru	Mail.Ru Group / LLC	yes	no	Link	name, address, phone, DOB	Link1 Link2	4
	mail.de	mail.de GmbH	yes	no	no	name, address, phone, DOB	Link	3
	mailo.com	Mail Object company	yes	no	no	name, DOB, email address, gender	Link	4
	Outlook.com	Microsoft	yes	no	Link	name, region, DOB	Link	6
	WEB.de	1&1 Mail & Media	yes	no	no	name, address, DOB, gender, unverified phone	Link	4
	Yahoo Mail	Yahoo! Inc. / Veriz	yes	no	no	name, address, DOB, gender, unverified phone	Link	4
	Yandex.Mail	Yandex	yes	no	Link	name, address, DOB, gender, unverified phone	Link	5
	Zoho Mail Lite	Zoho Corporation Private Limited	yes	no	Link	name, address, DOB, gender, unverified phone	Link	2

Paying Users	fastmail	Fastmail Pty Ltd	yes	Yes: 3\$/ month	Link	phone	Link	3+4
	mailbox.org Light*	Heinlein Hosting G	yes	Yes: 1€/ month	no	name, DOB	Link	9
	Posteo	posteo	yes	Yes: 1€/ month	Link	none	Link	4
Donations	riseup.net	RiseUp Collective	invite	no*	no	email address	Link	3
	buzon.uy	https://isc.sans.edu/	invite	no*	no	email address	Link	4
	disroot.org	disroot.org	invite	no*	no	email address	Link	6+1
	e.email	e Foundation	yes	no	no	email address	Link	4

*at the moment the light version for 1€ is only accessible after 1 month standard version for 3€

Practicability					Perfor		
Delta Chat Setup			Provider Migration		Attachment Size	Speed	Mailbox Size
prep measures needed	Steps Needed	Extra Measures	Auto Forward	import / export			
prepare	5	app password	No	yes, contacts	25MB	9,26	unlimited
prepare	8	app password	yes	yes, contacts, messages, calendar	25MB	5,91	15GB
prepare	4	enable IMAP	yes	yes, contacts, calendar	20MB	1,56	1GB
ok	1		yes	yes, contacts, messages, calendar	30MB	5,06	15GB
prepare	5	app password on Apple device	yes	yes, contacts, messages, calendar	15MB	6,69	5GB
ok	1		not for free	yes, messages, contacts, calendar BUT export messages impossible	25MB	4,65	20GB
prepare	7	app password	yes	yes, contacts, calendar	36MB	3,53	unlimited
ok	1		yes	yes, contacts, messages, calendar	36MB	5,55	2GB
ok	1		yes	yes, contacts, messages, calendar	36MB	126,46	1GB
ok	1		yes	yes, contacts, messages, calendar	30MB	4,92	100GB
prepare	6	enable IMAP	yes	yes, contacts, messages, calendar	15MB	1,61	1000MB
prepare	6	app password	not for free	yes, contacts, messages, calendar	25MB	6,75	1TB
prepare	8	app password + enable IMAP	yes	yes, contacts, messages	35MB	7,12	10GB
prepare	8	enable IMAP	yes	yes, contacts, messages, calendar	20MB	10,32	5GB

prepare	5	app password	yes	yes, contacts, messages, calendar	36MB	7,86	27.94GB
ok	1		yes	yes, contacts+calendar	36MB	8,40	10GB
ok	1		yes	yes, contacts+calendar	36MB	3,33	2GB

ok	1		yes	yes, contacts and export of messages	15MB	7,26	1000MB
ok	1		yes	only manual	36MB	5,13	unlimited
ok	1		yes	yes, contacts	36MB	6,06	1GB
ok	1		yes	yes contacts, calendar	36MB	3,47	1000MB

mance

IMAP Features	Interoperability	
	Send	Receive
- - -	?	?
I C Q	100%	100%
I - -	?	?
I - -	?	?
I C Q	100%	100%
I C Q	100%	100%
- - -	93%	100%
I C Q	100%	100%
I - Q	100%	100%
I - -	?	?
I - Q	?	?
- - -	?	?
I - -	93%	100%
I C -	100%	100%

I C Q	100%	100%
I C Q	100%	93%
I C Q	100%	93%

I C Q	100%	100%
I C -	100%	100%
I C Q	100%	100%
I C Q	100%	100%

test accounts (by provider):	aol.com	buzon.uy	disroot.org	fastmail.com	gmail.com
sent 10KB file (in seconds):	9,255577087	5,127429962	6,055617809	7,859927177	5,913718462
sent 10MB file (in seconds):	17,63222051	9,527834415	16,4478941	20,37690043	15,30748105
sent 15MB file (in seconds):	32,23564649	16,99585629	21,6691556	35,48665595	23,30456328
sent 20MB file (in seconds):	33,21963668	16,972471	18,79664874	33,57965231	23,40126061
sent 25MB file (in seconds):	44,15106201	23,88237071	26,57669902	43,22422242	29,87852025
sent 30MB file (in seconds):	Permanent SM	29,72098184	31,38802099	35,04229951	Permanent SM
sent 35MB file (in seconds):	Permanent SM	29,75658059	32,3065691	43,84840536	Permanent SM
sent 36MB file (in seconds):	Permanent SM	30,69689751	52,09431028	73,46707129	Permanent SM
hop 1:	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1
hop 2:	By: kubenode	From: [127.0.	From: [127.0.	By: mail.mess	From: [127.0.
hop 3:	From: sonic.g	From: mail.bu	From: knopi.d	From: mailfro	By: mail-wr1-
hop 4:	From: sonic31	From: hq5.m€	From: localho	From: compu	From: mail-wi
hop 5:	From: hq5.m€	2022-01-13T1	From: knopi.d	From: out4-s	From: hq5.m€
hop 6:	2022-01-13T1		From: hq5.m€	From: hq5.m€	2022-01-13T1
hop 7:			2022-01-13T1	2022-01-13T1	

gmx.de	hotmail.com	icloud.com	ik.me	mail.de	mail.ru	mailo.com
1,556618452	5,061142445	6,691611129	4,651444674	5,554523468	3,528449535	126,4593573
22,18760324	23,03939748	23,92633009	12,84284949	25,72262025	34,49580097	158,350883
25,01924658	39,8139596	32,64763474	24,4405241	38,3237865	61,10847378	132,8656983
30,05991435	37,71248651	Permanent S	23,04199457	38,75830865	65,40557981	165,1500955
Permanent S	40,04487443	Permanent S	22,27866983	47,82660794	81,42714334	168,0281904
Permanent S	41,77057362	Permanent S	Permanent S	61,58232093	95,28121758	145,8914649
Permanent S	Permanent S	Permanent S	Permanent S	66,71787357	112,3318915	147,852632
Permanent S	Permanent S	Permanent S	Permanent S	72,4883287	109,8453319	173,089267
2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1
From: [127.0.	From: AM6P1	From: [127.0	From: [127.0.	From: [127.0.	From: <muste	By: b-2.in.ma
From: mout-x	From: AM6P	From: st43p0	From: smtp-3	From: smtp01	From: smtpng	From: msg-4.i
From: hq5.m€	From: EUR05-	From: hq5.m€	From: smtp-b	From: postfix	From: hq5.m€	From: hq5.m€
2022-01-13T1	From: hq5.m€	2022-01-13T1	From: hq5.m€	From: shout0	2022-01-13T1	2022-01-13T1
	2022-01-13T1		2022-01-13T1	From: hq5.m€		
				2022-01-13T1		

mailbox.org	outlook.com	posteo.de	riseup.net	e.email	web.de	yahoo.com
8,395174503	4,919986486	3,330894232	7,260516405	3,467461348	1,608154774	6,74836421
16,22872472	22,10961556	48,94880462	26,80899644	12,68479896	16,59931016	26,41890526
24,70700788	30,51349878	73,27521634	32,10687351	24,95361543	29,66081834	39,44446039
19,85322452	34,54646087	80,23575425	Permanent S	15,56728721	Permanent S	35,70887971
22,66747093	33,19059229	98,84753823	Permanent S	24,10941768	Permanent S	45,48551226
27,53006625	53,05606818	117,7041886	Permanent S	25,78886676	Permanent S	Permanent S
30,46582103	Permanent S	135,5115252	Permanent S	26,34505367	Permanent S	Permanent S
32,24041128	Permanent S	102,7505467	Permanent S	28,28553891	Permanent S	Permanent S
2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1	2022-01-13T1
From: smtp2.	From: AM7P1	From: custom	From: [127.0.	From: authen	From: [127.0.	By: kubenode
From: mout-p	From: AM7P	From: submis	From: fews1.r	From: mail.ec	From: mout-x	From: sonic.g
From: hq5.m€	From: EUR02-	From: mout0	From: mx1.ris	From: hq5.m€	From: hq5.m€	From: sonic3C
2022-01-13T1	From: hq5.m€	From: hq5.m€	From: hq5.m€	2022-01-13T1	2022-01-13T1	From: hq5.m€
	2022-01-13T1	2022-01-13T1	2022-01-13T1			2022-01-13T1

yandex.ru zohomail.eu

7,123636246 10,32337427

21,29401374 24,16430092

28,27788496 38,07524228

21,42692256 33,21063447

26,17328978 Permanent SMTP error: permanent: 5.2.3 Mail Policy violation : Mail Size exceeds lim

29,62623572 Permanent SMTP error: permanent: 5.2.3 Mail Policy violation : Mail Size exceeds lim

34,6882875 Permanent SMTP error: permanent: 5.2.3 Mail Policy violation : Mail Size exceeds lim

Permanent SMTP error: permanent: 5.2.3 Mail Policy violation : Mail Size exceeds lim

2022-01-13T1 2022-01-13T19:29:33+01:00

By: iva8-a4a4 From: [127.0.0.1] By: mx.zoho.eu Date: Thu 13 Jan 2022 19:29:38 +0100

From: iva8-a4 From: sender11-pp-o93.zoho.eu By: hq5.merlinux.eu Date: Thu 13 Jan 2022 19:29:53

From: iva8-3d From: hq5.merlinux.eu By: hq5.merlinux.eu Date: Thu 13 Jan 2022 19:29:55 +0100

From: forward 2022-01-13T19:30:12+01:00

From: hq5.merlinux.eu

2022-01-13T1

it
it
it
it

+0100

test accounts (by provider):	aol.com	buzon.uy	disroot.org	fastmail.com	gmail.com
IMAP QUOTA:	Not Supported	Not Supported	1024.0MB	27.94GB	15.0GB
IDLE	0	1	1	1	1
CONDSTORE	0	1	1	1	1
QRESYNC	0	1	1	1	0
COMPRESS=DEFLATE	0	0	0	1	1
UIDPLUS	1	1	1	1	1
MOVE	1	1	1	1	1

gmx.de	hotmail.com	icloud.com	ik.me	mail.de	mail.ru	mailo.com
Not Supported	Not Supported	5.0GB	20.0GB	2.0GB	Not Supported	1024.0MB
1	1	1	1	1	0	1
0	0	1	1	1	0	0
0	0	1	1	1	0	0
0	0	0	0	1	0	0
1	1	1	1	1	1	1
1	1	0	1	1	1	0

mailbox.org	outlook.com	posteo.de	riseup.net	e.email	web.de	yahoo.com
10.0GB	Not Supported	2.0GB	1000.0MB	1000.0MB	1000.0MB	Not Supported
1	1	1	1	1	1	0
1	0	1	1	1	0	0
1	0	1	1	1	0	0
1	0	1	1	1	0	0
1	1	1	1	1	1	1
1	1	1	1	1	1	1

yandex.ru	zohomail.eu	
Not Supported	Not Supported	
	1	1
	0	1
	0	0
	0	0
	1	1
	1	1

test accounts (by provider):	buzon.uy	disroot.org	fastmail.com
Received by deltatest@buzon.uy:	self	76,8735468387604	11,4427881240845
Received by deltatest@disroot.org:	4,76336407661438	self	78,2160985469818
Received by deltatest@fastmail.com:	5,55055689811707	9,08797764778137	self
Received by manudresner@gmail.com:	128,727746009827	65,1132423877716	179,245644807816
Received by deltachat.test@icloud.com:	10,1592645645142	12,5991532802582	7,66648554801941
Received by cole.luca@ik.me:	7,53149700164795	5,20513963699341	6,31540107727051
Received by deltatest@mail.de:	4,40411138534546	151,38379240036	5,82408285140991
Received by mustermarga@mail.ru:	2556,27414131165	2496,60153055191	2436,94214439392
Received by deltatest@mailo.com:	393,07052731514	334,413989305496	266,76876449585
Received by deltatest@mailbox.org:	7,61015892028809	83,1280362606049	88,3092257976532
Received by deltachat-dev@posteo.de:	8,61113786697388	4,91708254814148	6,44988179206848
Received by deltatest@riseup.net:	4,81732416152954	85,299348115921	90,752715587616
Received by namilefherz@e.email:	3,73863959312439	7,3292281627655	8,29332447052002
Received by musterfraum@yandex.ru:	11,2302634716034	20,0099351406097	16,9512147903442
Received by delta_test@zohomail.eu:	12,0812845230103	9,60696172714233	12,6588006019592
could send messages to other providers:	100.0%	100.0%	100.0%
received messages from other providers:	100.0%	100.0%	100.0%

gmail.com	icloud.com	ik.me	mail.de	mail.ru
99,1869850158691	8,77568483352661	143,133207321167	6,53761267662048	11,0137379169464
104,17036652565	94,1728756427765	31,9873723983765	172,884938955307	220,947200536728
95,1602916717529	75,202535867691	91,7535851001739	111,497720241547	193,809023857117
self	5,60606670379639	66,9448783397675	8,45796608924866	80,1222927570343
163,463896989822	self	79,6097543239594	5,69753837585449	10,8080041408539
3,66328525543213	5,13654208183289	self	5,83586573600769	4,84162473678589
89,0228881835938	4,37581729888916	2,23725128173828	self	102,693041563034
2353,26480054855	2267,55865931511	2209,91720366478	2134,22360372543	self
182,105416297913	103,388153076172	45,1747832298279	30,4562668800354	33,7877190113068
6,85267210006714	77,1060698032379	24,8524279594421	284,291469097137	timeout
3,55742502212524	6,3503725528717	3,60157060623169	3,59769511222839	11,6923761367798
83,7359607219696	74,4435448646545	6,68083119392395	218,599251270294	9,85809111595154
4,29390907287598	4,94699501991272	4,72899651527405	7,27755999565125	6,42814898490906
90,9581162929535	88,7104322910309	100,473827123642	21,1630136966705	13,7605845928192
7,97398138046265	9,2531578540802	6,47562408447266	4,23227500915527	7,70500612258911
100.0%	100.0%	100.0%	100.0%	92.85714285714286%
100.0%	100.0%	100.0%	100.0%	100.0%

mailo.com	mailbox.org	posteo.de	riseup.net
107,864314317703	12,4384977817535	8,32127332687378	71,2113206386566
260,366365432739	243,589627981186	182,417171478271	320,554364204407
37,2873296737671	128,851777076721	154,103142738342	13,7602345943451
22,2044970989227	8,29155015945435	143,555144071579	71,8405537605286
181,414373636246	12,7951152324677	83,5720043182373	87,5146615505219
42,9624471664429	5,73718547821045	3,38442468643188	6,03011965751648
42,0536119937897	4,95657300949097	4,34480929374695	6,90439176559448
2006,78453111649	1926,13483524323	1853,40133452415	1781,68804049492
self	127,907390832901	54,5523681640625	47,735399723053
243,943013191223	self	6,9744336605072	14,0338494777679
14,6389992237091	7,77811002731323	self	1237,3071141243
150,36319065094	77,421204328537	158,09193944931	self
140,693328857422	7,32494115829468	4,37184739112854	8,60714626312256
153,331578016281	17,7156541347504	11,6396651268005	1328,77515530586
144,38071513176	16,1985964775085	8,92586398124695	10,8935956954956
100.0%	100.0%	100.0%	100.0%
100.0%	92.85714285714286%	92.85714285714286%	100.0%

e.email	yandex.ru	zohomail.eu
9,16375207901001	107,781257867813	13,2970609664917
186,292255401611	180,725213289261	196,810677528381
87,5119619369507	95,0124287605286	1395,90952634811
86,0725107192993	8,35253405570984	1303,67135047913
20,4864032268524	10,1534860134125	11,5961191654205
3,24228048324585	3,83331704139709	10,3480315208435
3,53171920776367	96,2280430793762	13,5294597148895
1710,98250436783	1625,26206707954	1544,55421757698
37,2759711742401	12,639449596405	56,638756275177
102,171259880066	90,9261121749878	19,6054379940033
1167,5920586586	timeout	1008,18570590019
106,540527820587	80,8516817092896	1397,61920619011
self	4,39598441123962	6,88761115074158
1254,04752135277	self	1078,55675578117
11,9982132911682	7,76398658752441	self
100.0%	92.85714285714286%	100.0%
100.0%	100.0%	100.0%