

For the application to work on client devices, access to network resources must be provided. If traffic inspection or filtering systems (NGFW, DPI, proxy) are used in the infrastructure, WebSocket connections must be allowed. Additionally, VPN tunnel configuration, WAF rules, or proxy server settings may be required. Depending on the application's architecture and the specifics of the organization's network infrastructure, the list of necessary access permissions may expand—it is recommended to consult the vendor's project documentation and test the connection in an isolated environment before deployment.

To view current IP address of a host via terminal: `nslookup FQDN`

For Users of the Public eXpress Server

FQDN	Addresses	Ports	Description
ru.public.express or FQDN of another RTS (see the Description)	178.154.245.193 51.250.112.173 178.154.244.107	443	Access to the RTS. There are RTS for different locations. To log in using a phone number from a specific country, access to the corresponding RTS is required. The mapping of RTS to country phone codes is provided below.
captcha-api.yandex.ru smartcaptcha.yandexcloud.net img.smartcaptcha.yandexcloud.net mc.yandex.ru yastatic.net	5.45.192.0/18 5.255.192.0/18 37.9.64.0/18 37.140.128.0/18 77.88.0.0/18 84.252.160.0/19 87.250.224.0/19 90.156.176.0/22 93.158.128.0/18 95.108.128.0/17 141.8.128.0/18 178.154.128.0/18 213.180.192.0/19 185.32.187.0/24 https://yandex.ru/ips	443	For Yandex Captcha on the SMS code request screen.
storage.yandexcloud.net	213.180.193.243	443	Access to File exchange involving public RTS users. Files belonging to public RTS users are stored in Yandex Cloud.
m-ru-a1.public.express m-ru-a2.public.express m-ru-a3.public.express m-ru-a4.public.express m-ru-a5.public.express	158.160.48.253 178.154.200.88 158.160.37.10 51.250.83.232 158.160.104.254	3478 TCP & UDP; 20000-40000 UDP	For call functionality involving public RTS users. To support calls with public RTS users, ensure connectivity to ru.public.express.
corp.express (eXpress Web app address)	178.154.229.149	443	Access to the eXpress Web App.
updates.express.ms	213.180.193.247	443	For receiving automatic updates of the eXpress desktop app.
xlnc.ms	178.154.229.149	443	For chat and call links functionality, sent from eXpress.
effectssdk.ai		443	Call backgrounds functionality. A local server is planned.

For Users of the Corporate eXpress Server

FQDN	Addresses	Ports	Description
ru.public.express or FQDN of another RTS (see the Description)	178.154.245.193 51.250.112.173 178.154.244.107	443	Access to the RTS. There are RTS for different locations. To log in using a phone number from a specific country, access to the corresponding RTS is required. The mapping of RTS to country phone codes is provided below.
captcha-api.yandex.ru smartcaptcha.yandexcloud.net img.smartcaptcha.yandexcloud.net mc.yandex.ru yastatic.net	5.45.192.0/18 5.255.192.0/18 37.9.64.0/18 37.140.128.0/18 77.88.0.0/18 84.252.160.0/19 87.250.224.0/19 90.156.176.0/22 93.158.128.0/18 95.108.128.0/17 141.8.128.0/18 178.154.128.0/18 213.180.192.0/19 185.32.187.0/24 https://yandex.ru/ips	443	For Yandex Captcha on the SMS code request screen.
FQDN_of_CTS (e.g., cts.yourcompany.ru)		443	Access to the CTS.
FQDN_of_openid(keycloak)		OpenID (Keycloak) port	For corporate user authentication (OpenID/Keycloak Integration).
storage.yandexcloud.net	213.180.193.243	443	Access to File exchange involving public RTS users. Files belonging to public RTS users are stored in Yandex Cloud.
m-ru-a1.public.express m-ru-a2.public.express m-ru-a3.public.express m-ru-a4.public.express m-ru-a5.public.express	158.160.48.253 178.154.200.88 158.160.37.10 51.250.83.232 158.160.104.254	3478 TCP & UDP; 20000-40000 UDP	For call functionality involving public RTS users. To support calls with public RTS users, ensure connectivity to ru.public.express.
av.xcts.ru	158.160.94.161	3478 TCP & UDP; 20000-40000 UDP	For call functionality (cloud server configuration).
FQDN_of_CTS (e.g., cts.yourcompany.ru) Or FQDN_of_Media1, FQDN_of_media2... (Media servers)		3478 TCP & UDP; 20000-40000 UDP	For call functionality on the CTS.
corp.express (eXpress Web app address)	178.154.229.149	443	Access to the eXpress Web App.
updates.express.ms	213.180.193.247	443	For receiving automatic updates of the eXpress desktop app.
xlnc.ms	178.154.229.149	443	For chat and call links functionality, sent from eXpress.
FQDN_of_link_service		443	For chat and call links functionality, if a custom host is used.
effectssdk.ai		443	Call backgrounds functionality. A local server is planned.

For Users of an ETS Custom App

FQDN	Addresses	Ports	Description
captcha-api.yandex.ru smartcaptcha.yandexcloud.net img.smartcaptcha.yandexcloud.net mc.yandex.ru yastatic.net	5.45.192.0/18 5.255.192.0/18 37.9.64.0/18 37.140.128.0/18 77.88.0.0/18 84.252.160.0/19 87.250.224.0/19 90.156.176.0/22 93.158.128.0/18 95.108.128.0/17 141.8.128.0/18 178.154.128.0/18 213.180.192.0/19 185.32.187.0/24 https://yandex.ru/ips	443	For Yandex Captcha on the SMS code request screen, if it is being used on ETS.
FQDN_of_ETS (e.g., ets.yourcompany.ru)		443	Access to the ETS.
FQDN_of_CTS (e.g., cts.yourcompany.ru)		443	Access to the CTS (ECTS).
FQDN_of_openid(keycloak)		OpenID (Keycloak) port	For corporate user authentication (OpenID/Keycloak Integration).
storage.yandexcloud.net	213.180.193.243	443	Access to File exchange involving public RTS users. Files belonging to public RTS users are stored in Yandex Cloud.
m-ru-a1.public.express m-ru-a2.public.express m-ru-a3.public.express m-ru-a4.public.express m-ru-a5.public.express	158.160.48.253 178.154.200.88 158.160.37.10 51.250.83.232 158.160.104.254	3478 TCP & UDP; 20000-40000 UDP	For call functionality involving public RTS users. To support calls with public RTS users, ensure connectivity to ru.public.express.
FQDN_of_CTS (e.g., cts.yourcompany.ru) Or FQDN_of_Media1, FQDN_of_media2... (Media servers)		3478 TCP & UDP; 20000-40000 UDP	For call functionality on the CTS (ECTS).
Web_FQDN (a custom ETS Web app address)		443	Access to a custom ETS Web app.
S3_for_updates_FQDN		443	For receiving automatic updates of a custom ETS Web app.
xlnk.ms	178.154.229.149	443	For chat and call links functionality, sent from eXpress.
FQDN_of_link_service		443	For chat and call links functionality, if a custom host is used.
effectssdk.ai		443	Call backgrounds functionality. A local server is planned.

RTS Server to Country Phone Code Mapping

If no RTS is available for a specific location, automatic redirection to another available RTS occurs. It is also possible to manually select a region during registration.

ad: host: ad.public.express prefix: 376	prefix: 1242	host: dm.public.express prefix: 1767
ae: host: ae.public.express prefix: 971	bt: host: bt.public.express prefix: 975	do: host: do.public.express prefix: 1
af: host: af.public.express prefix: 93	bw: host: bw.public.express prefix: 267	dz: host: dz.public.express prefix: 213
ag: host: ag.public.express prefix: 1268	by: host: by.public.express prefix: 375	ec: host: ec.public.express prefix: 593
al: host: al.public.express prefix: 355	bz: host: bz.public.express prefix: 501	ee: host: ee.public.express prefix: 372
am: host: am.public.express prefix: 374	ca: host: ca.public.express prefix: 1	eg: host: eg.public.express prefix: 20
ao: host: ao.public.express prefix: 244	cd: host: cd.public.express prefix: 243	eh: host: eh.public.express prefix: 212
ar: host: ar.public.express prefix: 54	cf: host: cf.public.express prefix: 236	er: host: er.public.express prefix: 291
at: host: at.public.express prefix: 43	cg: host: cg.public.express prefix: 242	es: host: es.public.express prefix: 34
au: host: au.public.express prefix: 61	ch: host: ch.public.express prefix: 41	et: host: et.public.express prefix: 251
az: host: az.public.express prefix: 994	ci: host: ci.public.express prefix: 225	fi: host: fi.public.express prefix: 358
ba: host: ba.public.express prefix: 387	cl: host: cl.public.express prefix: 56	fj: host: fj.public.express prefix: 679
bb: host: bb.public.express prefix: 1246	cm: host: cm.public.express prefix: 237	fm: host: fm.public.express prefix: 691
bd: host: bd.public.express prefix: 880	cn: host: cn.public.express prefix: 86	fr: host: fr.public.express prefix: 33
be: host: be.public.express prefix: 32	co: host: co.public.express prefix: 57	ga: host: ga.public.express prefix: 241
bf: host: bf.public.express prefix: 226	cr: host: cr.public.express prefix: 506	gb: host: gb.public.express prefix: 44
bg: host: bg.public.express prefix: 359	cu: host: cu.public.express prefix: 53	gd: host: gd.public.express prefix: 1473
bh: host: bh.public.express prefix: 973	cv: host: cv.public.express prefix: 238	ge: host: ge.public.express prefix: 995
bi: host: bi.public.express prefix: 257	cy: host: cy.public.express prefix: 357	gh: host: gh.public.express prefix: 233
bn: host: bn.public.express prefix: 673	cz: host: cz.public.express prefix: 420	gl: host: gl.public.express prefix: 299
bo: host: bo.public.express prefix: 591	de: host: de.public.express prefix: 49	gm: host: gm.public.express prefix: 220
br: host: br.public.express prefix: 55	dj: host: dj.public.express prefix: 253	gn: host: gn.public.express prefix: 224
bs: host: bs.public.express	dk: host: dk.public.express prefix: 45	gq: host: gq.public.express prefix: 240
	dm:	

gr:
 host: gr.public.express
 prefix: 30
gt:
 host: gt.public.express
 prefix: 502
gw:
 host: gw.public.express
 prefix: 245
gy:
 host: gy.public.express
 prefix: 592
hk:
 host: hk.public.express
 prefix: 852
hn:
 host: hn.public.express
 prefix: 504
hr:
 host: hr.public.express
 prefix: 385
ht:
 host: ht.public.express
 prefix: 509
hu:
 host: hu.public.express
 prefix: 36
id:
 host: id.public.express
 prefix: 62
ie:
 host: ie.public.express
 prefix: 353
il:
 host: il.public.express
 prefix: 972
in:
 host: in.public.express
 prefix: 91
iq:
 host: iq.public.express
 prefix: 964
ir:
 host: ir.public.express
 prefix: 98
is:
 host: is.public.express
 prefix: 354
it:
 host: it.public.express
 prefix: 39
jm:
 host: jm.public.express
 prefix: 1876
jo:
 host: jo.public.express
 prefix: 962
jp:
 host: jp.public.express
 prefix: 81
ke:
 host: ke.public.express
 prefix: 254
kg:
 host: kg.public.express
 prefix: 996
kh:
 host: kh.public.express
 prefix: 855
ki:
 host: ki.public.express
 prefix: 686
km:
 host: km.public.express
 prefix: 269
kn:
 host: kn.public.express
 prefix: 1869

kp:
 host: kp.public.express
 prefix: 850
kr:
 host: kr.public.express
 prefix: 82
kw:
 host: kw.public.express
 prefix: 965
kz:
 host: kz.public.express
 prefix: 7
la:
 host: la.public.express
 prefix: 856
lb:
 host: lb.public.express
 prefix: 961
lc:
 host: lc.public.express
 prefix: 1758
li:
 host: li.public.express
 prefix: 423
lk:
 host: lk.public.express
 prefix: 94
lr:
 host: lr.public.express
 prefix: 231
ls:
 host: ls.public.express
 prefix: 266
lt:
 host: lt.public.express
 prefix: 370
lu:
 host: lu.public.express
 prefix: 352
lv:
 host: lv.public.express
 prefix: 371
ly:
 host: ly.public.express
 prefix: 218
ma:
 host: ma.public.express
 prefix: 212
mc:
 host: mc.public.express
 prefix: 377
md:
 host: md.public.express
 prefix: 373
me:
 host: me.public.express
 prefix: 382
mg:
 host: mg.public.express
 prefix: 261
mh:
 host: mh.public.express
 prefix: 692
mk:
 host: mk.public.express
 prefix: 389
ml:
 host: ml.public.express
 prefix: 223
mm:
 host: mm.public.express
 prefix: 95
mn:
 host: mn.public.express
 prefix: 976
mo:
 host: mo.public.express
 prefix: 853

mt:
 host: mt.public.express
 prefix: 356
mu:
 host: mu.public.express
 prefix: 230
mv:
 host: mv.public.express
 prefix: 960
mw:
 host: mw.public.express
 prefix: 265
mx:
 host: mx.public.express
 prefix: 52
my:
 host: my.public.express
 prefix: 60
mz:
 host: mz.public.express
 prefix: 258
na:
 host: na.public.express
 prefix: 264
ne:
 host: ne.public.express
 prefix: 227
ng:
 host: ng.public.express
 prefix: 234
ni:
 host: ni.public.express
 prefix: 505
nl:
 host: nl.public.express
 prefix: 31
no:
 host: no.public.express
 prefix: 47
np:
 host: np.public.express
 prefix: 977
nr:
 host: nr.public.express
 prefix: 674
nz:
 host: nz.public.express
 prefix: 64
om:
 host: om.public.express
 prefix: 968
pa:
 host: pa.public.express
 prefix: 507
pe:
 host: pe.public.express
 prefix: 51
pg:
 host: pg.public.express
 prefix: 675
ph:
 host: ph.public.express
 prefix: 63
pk:
 host: pk.public.express
 prefix: 92
pl:
 host: pl.public.express
 prefix: 48
pt:
 host: pt.public.express
 prefix: 351
pw:
 host: pw.public.express
 prefix: 680
py:
 host: py.public.express
 prefix: 595

qa:	tl:
host: qa.public.express	host: tl.public.express
prefix: 974	prefix: 670
ro:	tm:
host: ro.public.express	host: tm.public.express
prefix: 40	prefix: 993
rs:	tn:
host: rs.public.express	host: tn.public.express
prefix: 381	prefix: 216
ru:	to:
host: ru.public.express	host: to.public.express
prefix: 7	prefix: 676
rw:	tr:
host: rw.public.express	host: tr.public.express
prefix: 250	prefix: 90
sa:	tt:
host: sa.public.express	host: tt.public.express
prefix: 966	prefix: 1868
sb:	tv:
host: sb.public.express	host: tv.public.express
prefix: 677	prefix: 688
sc:	tw:
host: sc.public.express	host: tw.public.express
prefix: 248	prefix: 886
sd:	tz:
host: sd.public.express	host: tz.public.express
prefix: 249	prefix: 255
se:	ua:
host: se.public.express	host: ua.public.express
prefix: 46	prefix: 380
sg:	ug:
host: sg.public.express	host: ug.public.express
prefix: 65	prefix: 256
si:	us:
host: si.public.express	host: us.public.express
prefix: 386	prefix: 1
sk:	uy:
host: sk.public.express	host: uy.public.express
prefix: 421	prefix: 598
sl:	uz:
host: sl.public.express	host: uz.public.express
prefix: 232	prefix: 998
sm:	va:
host: sm.public.express	host: va.public.express
prefix: 378	prefix: 379
sn:	vc:
host: sn.public.express	host: vc.public.express
prefix: 221	prefix: 1784
so:	ve:
host: so.public.express	host: ve.public.express
prefix: 252	prefix: 58
sr:	vn:
host: sr.public.express	host: vn.public.express
prefix: 597	prefix: 84
ss:	vu:
host: ss.public.express	host: vu.public.express
prefix: 211	prefix: 678
st:	ws:
host: st.public.express	host: ws.public.express
prefix: 239	prefix: 685
sv:	ye:
host: sv.public.express	host: ye.public.express
prefix: 503	prefix: 967
sy:	za:
host: sy.public.express	host: za.public.express
prefix: 963	prefix: 27
td:	zm:
host: td.public.express	host: zm.public.express
prefix: 235	prefix: 260
tg:	zw:
host: tg.public.express	host: zw.public.express
prefix: 228	prefix: 263
th:	
host: th.public.express	
prefix: 66	
tj:	
host: tj.public.express	
prefix: 992	