

Network Whitelist for BOHA! Devices and Apps

Reference Guide

Part Number 100-17786G

1 Scope

This document provides tables with domains that must be whitelisted to support the BOHA! Platform in general and for each application.

2 BOHA! Platform

2.1 Required

The following must be whitelisted for your BOHA! solution to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
*.transact-tech.com [www.transact-tech.com] [ada.transact-tech.com] [adm.transact-tech.com] [tems.transact-tech.com] [binary.transact-tech.com]	443, 8443, 80, 21	TCP	Outbound	Required to access the BOHA! Web Portal
boha-ops.firebaseio.com www.firebaseio.com firebaseinstallations.googleapis.com	443	TCP	Outbound	Firebase is a google platform required for the chat service
d3giki36ahiop9.cloudfront.net dfyz31p0l88p0.cloudfront.net	443	TCP	Outbound	This is a content delivery network from AWS
transact-s3-42gears-bucket2.s3.us-west-2.amazonaws.com transact-s3-tems-prod-01.s3.us-west-2.amazonaws.com	443	TCP	Outbound	AWS
transact-tech.secure.force.com	443	TCP	Outbound	Required to enforce the HTTPS security protocol (Salesforce)
NTP	123	TCP/UDP	Outbound	Time Sync.
DNS	53	UDP	Outbound	Domain Name Res.

2.2 Optional

The following need to be whitelisted to support the identified optional features of the BOHA! platform.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
www.dropbox.com	443	TCP	Outbound	Uploading to dropbox
docs.google.com	443	TCP	Outbound	Viewing documents in help section
Google DNS (8.8.8.8)		ICMP	Outbound	BOHA Test Tools (Internet Status)

3 BOHA! Workstation

3.1 Required

The following must be whitelisted for BOHA! Workstation to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
activation.42Gears.com mars.42gears.com	443	TCP	Outbound	Required for the MDM tool
android.transact-tech.com	443	TCP	Outbound	MDM and OTA

4 BOHA! Terminal

4.1 Required

The following must be whitelisted for BOHA! Terminal to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
activation.42Gears.com mars.42gears.com	443	TCP	Outbound	Required for the MDM tool
transact-s3-ota-staging-bucket-1.s3.us-west-2.amazonaws.com	443	TCP	Outbound	Required for OTA updates from AWS
android.transact-tech.com	443	TCP	Outbound	MDM and OTA
client3.google.com	80/443	TCP	Outbound	Connectivity Test
connectivitycheck.gstatic.com				
app-measurement.com	443	TCP	Outbound	Required for an app called Lockdown which is an open source and on-device firewall with the ability to block trackers that silently collect data in the background on some websites

5 BOHA! Terminal 2

5.1 Required

The following must be whitelisted for BOHA! Terminal to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
activation.42Gears.com mars.42gears.com	443	TCP	Outbound	Required for the MDM tool
transact-s3-tems-prod-01.s3.us-west-2.amazonaws.com	443	TCP	Outbound	Required for OTA updates from AWS
*.lenovocust.com	443	TCP	Outbound	Lenovo Tablet Configuration Updates
*.lenovo.com				
*.gstatic.com	80/443	TCP	Outbound	Connectivity Test

6 BOHA! Ops

6.1 Required

The following must be whitelisted for BOHA! Ops to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
m-api-boha.transact-tech.com	443	TCP	Outbound	BOHA OPS Labeling
m-api-boha-serv.transact-tech.com	443	TCP	Outbound	Required to order and activate the license for BOHA! Temp
orders.zippyum.com	443	TCP	Outbound	Required to order and activate the license for BOHA! Temp
api.pushy.me	443	TCP	Inbound	Push Notification
mqtt.pushy.me	443	TCP	Inbound	Push Notification

7 BOHA! Ops (Checklist)

7.1 Required

The following must be whitelisted for BOHA! Checklist to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
zy-checklistdemo.firebaseio.com	443	TCP	Outbound	Checklist Module
goserviceapi.zippyum.com	443	TCP	Outbound	BOHA Service Integration

8 BOHA! Temp

8.1 Required

The following must be whitelisted for BOHA! Temp to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
m-api-boha-serv.transact-tech.com	443	TCP	Outbound	Required to order and activate the license for BOHA! Temp
orders.zippyum.com	443	TCP	Outbound	
www.zippyum.com	443	TCP	Outbound	
api-boha-checklist.transact-tech.com	443	TCP	Outbound	
gotemp-bcc44.firebaseio.com	443	TCP	Inbound	On Device Notification (Push)
firebase.google.com	5228-5230	TCP	Inbound	
*.ipinfo.io	443	TCP	Inbound	

9 BOHA! Sense

9.1 Required

The following must be whitelisted for BOHA! Sense to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
reg.senetco.io	443	TCP	Outbound	Gateway Registration
connect.senetco.io		ICMP	Outbound	Network Admin
docs.senetco.io	80/443	TCP	Outbound	Firmware Upgrades
nwk.senetco.io	8443	TCP	Outbound	LoRa Msg.
sshserver.senetco.io	22	TCP	Outbound	Remote Mgmt.
ump.avsystem.cloud us.ump.avsystem.cloud	10301	TCP	Outbound	Management
www.ezurio.com	443	TCP	Outbound	Firmware Upgrades
connectivity-firmware.s3.amazonaws.com	443	TCP	Outbound	Firmware Upgrades

10 BOHA! Inventory

10.1 Required

The following must be whitelisted for BOHA! Inventory to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
orders.zippyum.com	443	TCP	Outbound	Required for Inventory Application
m-api-boha-serv.transact-tech.com	443	TCP	Outbound	Required for Inventory Application
subventory-abc11.firebaseio.com	443	TCP	Inbound	On Device Notification (Push)
firebase.google.com	5228-5230	TCP	Inbound	
*.ipinfo.io	443	TCP	Inbound	

11 BOHA! Service

11.1 Required

The following must be whitelisted for BOHA! Service to operate properly.

FQDN	Ports	Protocol	Inbound / Outbound / Both	Feature Impact
m-api-boha-serv.transact-tech.com	443	TCP	Outbound	Activate BOHA! Service
orders.zippyum.com	443	TCP	Outbound	
www.zippyum.com	443	TCP	Outbound	
goserviceapi.zippyum.com	443	TCP	Outbound	
api-boha-checklist.transact-tech.com	443	TCP	Outbound	
android.googleapis.com	443	TCP	Outbound	Google service for accessing Google published API's
maps.google.com	443	TCP	Outbound	Google Maps for location Users
bohaservice.firebaseio.com	443	TCP	Inbound	Push Notification
firebase.google.com	5228-5230	TCP	Inbound	Push Notification
*.ipinfo.io	443	TCP	Inbound	Push Notification

12 Customer Support

Please contact TransAct Technical Support if you have any questions or require any additional information:

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