Required Configurations for Open Mobile Access

VERSION 3.0, FEBRUARY 2012

For maximum connectivity, customer firewalls, proxies, and other systems must allow access from the various processes that comprise the iPass Open Mobile Platform.

RoamServer

The iPass RoamServer links the customer network to the iPass Network. It serves as a secure relay between the enterprise authentication database and the iPass Transaction centers. It is installed on the customer network, or can be hosted by iPass or an iPass partner.

The following IP addresses must be able to communicate with the iPass RoamServer through TCP on port 577:

IP Address	Transaction Center Location
216.239.99.125	Santa Clara, United States
216.239.111.125	Atlanta, United States
216.239.105.125	London, United Kingdom
216.239.98.125	Sydney, Australia

> *These IP addresses are strictly for configuration of firewalls and similar devices, and should not be used for other purposes. In general, these IP addresses cannot be directly contacted, such as through a PING utility.*

Open Mobile Administration

Open Mobile Portal

The Open Mobile Portal URL is https://openmobile.ipass.com, and the ports required to reach the management system are TCP ports 80 and 443. The IP addresses for the Portal include:

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IP Address	Server Location
216.239.99.250	Santa Clara, United States
216.239.111.249	Atlanta, United States

Open Mobile Client Installer Server

The client installer server provides client installer software once a profile is published to Test or Production status on the Open Mobile Portal.

The server requires TCP port 80, and the URL is om-clientinstaller.ipass.com. The following IP addresses must be accessible:

IP Address	Server Location
216.239.99.244	Santa Clara, United States
216.239.111.244	Atlanta, United States

Open Mobile Client

The Open Mobile client must have access to the servers, URLs, and processes listed here.

Open Mobile Data Collector

The Open Mobile Data Collector receives connection and system information reported by the client and ties it to the reports available in Open Mobile Insight.

The Data Collector requires TCP ports 80 and 443, and the URL is om-datacollector.ipass.com. The following IP addresses must be accessible:

IP Address	Server Location
216.231.200.230	Santa Clara, United States
216.239.111.230	Atlanta, United States

Open Mobile Update Server

The Open Mobile Update Server informs clients if updates are available for Open Mobile software, configurations or directories.

The Update Server requires TCP port 80, and the URL is om-updater.ipass.com. The following IP addresses must be accessible:

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IP Address	Server Location
216.231.200.231	Santa Clara, United States
216.239.111.241	Atlanta, United States
216.231.203.231	Sydney, Australia

Open Mobile Download Server

The Open Mobile Download Server retrieves update files for Open Mobile software, configurations, and directories.

The Update Server requires TCP port 443, and the URL is om-download.ipass.com. The following IP addresses must be accessible.

IP Address	Server Location
216.231.200.232	Santa Clara, United States
216.239.111.242	Atlanta, United States
216.231.203.232	Sydney, Australia

iPass Client ID Servers

iPass Client ID servers are contacted the first time an iPass client makes a network connection, to obtain a unique client identifier. The identifier is used in all transactions to ensure security of client connections. ClientID servers communicate through TCP port 80, and access is required to these servers in order to obtain the ID.

IP Address	URL	Server Location
216.231.200.232	did01.ipass.com	Santa Clara, United States
216.239.111.242	did02.ipass.com	Atlanta, United States

OpenAccess

The OpenAccess service needs to register with the server at the URL https://dapi.devicescape.net/register. This should be opened on ports 80 and 443.

Sniff Servers

The iPass Sniff Servers are used by Open Mobile to determine if an Internet connection can be made, or if further action (such as accepting local terms and conditions) is required. The sniff servers communicate through TCP port 80, and these servers must be accessible:

IP Address	URL	Server Location
--	http://sniff.gslb.i-pass.com	Global Sniff Load Balancer
216.231.200.235	http://sniff1.i-pass.com	Santa Clara, United States

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IP Address	URL	Server Location
216.231.196.129	http://sniff2.i-pass.com	Atlanta, United States
216.239.105.143	http://sniff3.i-pass.com	London, United Kingdom
216.231.203.235	Sniff4.i-pass.com	Sydney, Australia

Local Windows Client Processes

On Windows platforms, these Open Mobile processes must be running in order for the Open Mobile client to have full functionality. Each must be allowed explicit access through the user's personal firewall.

Process	Description
iMobility.exe	Main executable for the Open Mobile client.
iMobilityService.exe	Controls the user interface and intermediates between iMobility.exe and the Open Mobile platform.
iPlatformService.exe	Main service that controls policy enforcement.
iPlatformHost.exe (2 instances)	Enables the client to impersonate the user or system account. Two instances must be running: one each in the system and user contexts.

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