Whitelisting IPs and Ports Information v2.61 (effective 17-JUL-2025)

If your network implements Firewall restrictions it could stop your terminal or integrated system connecting to our Payment Gateway (PayRouter).
The following describes the IP address subnets with corresponding TCP/UDP ports that require outbound access from your network and need to be whitelisted for outbound access (only).
Opayo will never try to initiate a connection into your network, all connections are outbound from your network only.

Please note:

No direct inbound (unsolicited) TCP or UDP port access into your network is required.
Network connections are only ever initiated as outbound connections by the client software running on the customer site.
Opayo will never try to open an inbound connection to a customer site or installation from the hosted service/Internet side.

Here is the current list of TCP and UDP Port numbers the Opayo client software needs to be able to connect to:

Port Numbers	TCP/UDP	Purpose
TCP ports 3000 through 3199	*TCP Only*	*Encrypted PayRouter transaction traffic all devices*
TCP ports 5000 through 5999	*TCP Only*	*Encrypted PayRouter transaction traffic all devices*
TCP and UDP ports 53	*TCP and UDP*	*DNS - Name Resolution all devices*
TCP ports 4400 through 4499	*TCP Only*	*TMS - Code and parameter updating functionality for all POS devices*
TCP port 4545	*TCP Only*	*TMS - Code and parameter updating functionality for all POS devices*
TCP ports 443, 1883, 7030 and 8443	*TCP Only*	*TMS - Code and parameter updating functionality for POS devices (Castles)*
TCP port 443	*TCP Only*	**Only required for specific web reporting, tokenisation and web services*
TCP ports 9001-9999	*TCP Only*	**Only required for specific token proxy, Oracle OPI and custom TLS services*

Next Gen Android POS Terminals (Castles)

CasHub (prod) IP addresses
76.223.115.212 TCP ports 443, 1883
13.248.236.249 TCP ports 443, 1883
81.144.134.248 TCP port 8443

CasHub (test) IP addresses
3.33.147.242 TCP ports 443, 1883
15.197.143.199 TCP ports 443, 1883
59.125.176.141 TCP port 8443

Here is the current list of IP adresses and subnets Opayo client software needs to be able to connect to:

Subnet	Ports	Comment	Note
86.47.188.0/26	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
31.193.220.96/27	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
195.137.204.0/24	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
195.137.205.0/24	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
195.170.169.0/24	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
213.225.230.0/24	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
213.225.231.0/24	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
194.106.141.128/26	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
213.133.66.160/27	***Any TCP/UDP port listed above***	*Essential*	*This whole range is allocated and managed only by Opayo*
31.193.220.64/27	***Any TCP/UDP port listed above***	*Essential (dedicated test/uat range)*	*This whole range is allocated and managed only by Opayo*
8.8.8.8, 8.8.4.4	***UDP and TCP ports 53 (DNS only)***	*Not currently used - may be used in future*	*Google Open DNS Public Resolver*
4.2.2.1, 4.2.2.2, 4.2.2.3, 4.2.2.4	***UDP and TCP ports 53 (DNS only)***	*Not currently used - may be used in future*	*Google Open DNS Public Resolver*

Here is the current list of Opayo registered DNS domains that Opayo client software will [only] attempt to resolve (through DNS Servers)

DNS Domain Name	Comment	
****.payrouter.net***	*Will resolve to an IP address contained within the ranges listed above*	*e.g. pr1genie.payrouter.net could resolve to 86.47.188.43*
****.selfsignedcerts.net***	*Will resolve to an IP address contained within the ranges listed above (new)*	
****.tokenproxy.net***	*Will resolve to an IP address contained within the ranges listed above (new)*	
****.elavon.net, *.opayo.cloud, *.elavon.com, *.opayobyelavon.com***	*New domains from 2025*	
****.cashub.cloud, *.castlestech.com***		

Imperva Web Application Firewall Service subnets for (for port 443 only):
for Opayo Web based services like Virtual Terminal, Web Services, Tokens,
Oracle Payment Interface (OPI), RetailCloud and Web Based Reporting

https://docs.imperva.com/en-US/bundle/z-kb-articles-km/page/c85245b7.html and https://docs.imperva.com/howto/c85245b7

199.83.128.0/21
198.143.32.0/19
149.126.72.0/21
103.28.248.0/22
45.64.64.0/22
185.11.124.0/22
192.230.64.0/18
107.154.0.0/16
45.60.0.0/16
45.223.0.0/16
131.125.128.0/17