



## Shift4 IP Addresses, Ports, and DNS Names

As a Shift4 customer, it is important to add all of our current IP address ranges to your list of trusted endpoints so that you can get the most out of our fast, secure, reliable payment processing. If you don't, you will limit the number of routes available to direct transactions, which may result in suboptimal transaction times and potential interruptions for your business.



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**Requirement:** The following information may require action on your part, but there will be no immediate impact to your ability to process transactions. If you have IT staff, please forward this message to them and ask them to make the updates. If you do not have in-house IT support, you should contact whoever configured your company's network and ask them if they are restricting (white-labeling) any traffic through your company firewall. These features are typically only enabled in professional implementations, so if you configured your network on your own using default settings, you likely will not experience any impact from these Shift4 updates.

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## IP Address Ranges

At our two data center locations, there are the following IP address ranges. They run products like Lighthouse Transaction Manager (LTM), including connecting to LTM via direct server-to-server post; Shift4 Command Center; i4Go®; 4Word®; IT'S YOUR CARD® (IYC); 4Res®; as well as act as endpoints for any customer Universal Transaction Gateways® (UTGs®).

Add the following IP address ranges to your firewall's list of trusted endpoints:

Location/Site ID	ISP	IP Address Range	IP Address Start	IP Address Finish
Austin, Texas (A1)	Cogent	38.67.17.0/26	38.67.17.1	38.67.17.62
Austin, Texas (A1)	CyrusOne	209.172.201.0/26	209.172.201.1	209.172.201.62
Las Vegas, Nevada (S7)	Switch Communications†	66.209.76.192/26	66.209.76.193	66.209.76.254
Las Vegas, Nevada (S7)	Switch Communications†	66.209.75.128/26	66.209.75.129	66.209.75.190
Las Vegas, Nevada (S7)	Multi-BGP	104.153.8.0/21	104.153.8.1	104.153.15.254
Sterling, Virginia (VA)	Multi-BGP	104.153.8.0/21	104.153.8.1	104.153.15.254

†Switch Communications provides a blend of internet from up to 17 different carriers for redundancy.

**Ports: Outbound Communication from Merchant to Shift4**

Product	TCP 80, 443 (HTTP, HTTPS)	TCP 26880, 26881 (Shift4 UTG Ports)
UTG		Outbound
LTM	Outbound	
i4Go	Outbound	
4Res	Outbound	
IYC	Outbound	
4Word	Outbound	



**Note:** As long as TCP 80, 443, 26880, and 26881 are opened up to all four of the above ranges for outbound communication, you will be able to process successfully and will be able to continue to process in the event that Shift4 uses IP addresses in the ranges for expansion.

For additional information on specific product requirements, see the applicable [documentation](#).

**Port: Inbound Communication from Shift4 to Merchant**

Product	TCP 443 (HTTPS)
4Res	Inbound



**Requirement:** If you are using 4Res in which our 4Res system reaches out to a server you control, HTTPS TCP port 443 must be open for inbound communication to your location. For additional information, see the [4Res Administrator Implementation Guide](#).

## ***Internet Domains for Web Browsers Accessing Shift4 Websites***

In very security-conscious environments, browsing is allowed only to specific domains. If this applies to your environment, make sure your computers allow outbound communications to TCP port 80 (HTTP), TCP port 443 (HTTPS), port 26880, port 26881, and any host in the following DNS names:

- \*.shift4.com
- \*.lh.shift4.com‡
- \*.dollarsonthenet.net
- \*.shift4api.net
- \*.4res.net
- \*.privatelabelcard.com
- \*.i4go.com
- \*.4tresspos.com
- \*.assets.shift4.com§

In addition, if you are using SkyTab and PAX A930 devices, make sure your computers allow outbound communications to ports 443 and 9080 and any host in the DNS name: t.paxstore.us.

‡This is hosted on AWS.

§This is a hosting provider, and IPs are subject to change to allocations within the hosting provider's network.

## ***Internet Domains for UTG Communication***

The \*.ns.virtualleasedline.net domain is already configured by default during UTG installation. For proper DNS resolution of this domain, all of the Shift4 IP address ranges (listed above) that reference the UTG should be allowed.



**Requirement:** To ensure that your connection is always routed to the fastest available server, any shortcuts or bookmarks used to access Lighthouse Transaction Manager from a web browser should point directly to [www.dollarsonthenet.net](http://www.dollarsonthenet.net), and not to a specific subdomain (such as "server.dollarsonthenet.net").

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## Shift4 Command Center Communication

Shift4 Command Center is hosted on AWS.

The remote agent that sits next to the UTG needs outbound access to the following endpoints via 443:

- <https://myportal.shift4.com/>
- <https://coreapi.4tresspos.com/>
- <https://in4mapi.4tresspos.com/>
- <https://s4-myportal.s3.amazonaws.com/>
- <https://wwimdmwghg.execute-api.us-west-2.amazonaws.com/s4>
  - Hosted on AWS API Gateway.
  - The IP address range can unexpectedly change since it goes through CloudFront. (Please see <https://ip-ranges.amazonaws.com/ip-ranges.json> if needed.)
- <https://a1-commandcenter.s3.us-west-2.amazonaws.com/>
- <https://shift4-cc-public-prod.s3.us-west-2.amazonaws.com/>
- If FQDN is not possible, then an ANY is needed for the agent.exe to reach out.



**Note:** Port 18028 is used by the agent.exe to communicate to the UTG2 over the TCP socket within the same computer or server.

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**Note:** The following are hosted on AWS S3:

- <https://s4-myportal.s3.amazonaws.com/>
  - <https://a1-commandcenter.s3.us-west-2.amazonaws.com/>
  - <https://shift4-cc-public-prod.s3.us-west-2.amazonaws.com/>
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***Device Network Whitelist for PAX Devices***

Service	URL	IP	Port
Hardware	t.paxstore.us	3.141.250.74 18.119.60.30	9080
Hardware	mpush1.paxstore.us	52.14.42.201	3000
Hardware	mpush2.paxstore.us	3.23.55.207	3000
Hardware	pl.paxstore.us	3.141.250.74 18.119.60.30	6370
Hardware	paxras.whatspos.com https://ssl1.tsysacquiring.net	Various	443
Payments	utg.shift4api.net	Various	443
Hardware	posviewer5.paxsaas.com		8089
Hardware	rki.pax.us	Various	33519
Hardware	NTP	Various	123
Hardware/LOGS	216.238.144.197		22
Software (UTG)			10009
Software (TSYS)	https://ssl3.vitalps.net https://ssl2.vitalps.net https://ssl1.vitalps.net		5003