

ARgon Gateway V1.x

Ports and Protocols

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1 Connection Ports and Protocols

The ARgon Gateway Version 4 requires connectivity to both internal and external services over a number of different ports and protocols.

Customers should be aware that these entries may be liable to change with limited notice as Clearswift extends its infrastructure to exceed demands.

Where possible, customers should configure their firewalls to utilise the hostname of the service and only use IP addresses if defining access by hostname is not possible.

2 External Connections

Item	Protocol	Port	URL/Hostname	
Item	Protocol	Port	URL/Hostname	IP Address
DNS	UDP	53		
Appliance online help	TCP	80	apphelp.clearswift.com	79.125.18.99
Product and OS updates	TCP	80	Repo.clearswift.net rh.repo.clearswift.net	46.51.174.180 176.34.178.169 (54.216.128.43 from 1 st March)
RSS Feed	TCP	80	www.clearswift.com	162.13.22.202
Service availability list	TCP	80	services1.clearswift.net services2.clearswift.net services3.clearswift.net	See https://ip-ranges.amazonaws.com/ip-ranges.json
NTP server	UDP	123	time.clearswift.net (default)	Forms part of the NTP Pool project
License key validation TRUSTmanager stats collection	TCP	443	applianceupdate.clearswift.com	86.188.240.24 213.106.99.208 46.236.38.70

3 Internal Connections

Item	Protocol	Port
For backing up and restoring the system	TCP	<u>FTP 21</u> <u>FTP/S 21 or 990</u> <u>SFTP 22</u>
Secure console access	TCP	SSH 22
Browser access to the management UI Peer communications	TCP	443
Browser access to the PMM UI	TCP	80
Connecting to directory servers for user authentication (PMM)	TCP	135 139 445
Connecting to directory servers for user authentication (PMM)	UDP	137
For accessing directory servers Accessing Global Catalogue server (normal and secure)	TCP	389 3268 3269 LDAP/S 636
SNMP alerts from the system	UDP	162
To the server containing the lexical data HTTP/S, SFTP, FTP/S	TCP	HTTP/S 443 SFTP 22 FTPS 990
To the central SYSLOG server	TCP	514

4 Subnet handling

Some of the addresses entered are in the format of 72.21.192.0/19, which implies that they use a special 19 bit subnet mask and when applied to IP address ranges can extend or reduce the maximum permissible number of addresses available for usage.

In this example 72.21.192.0/19, provides for a range of addresses from 72.21.192.1 to 72.21.223.254.