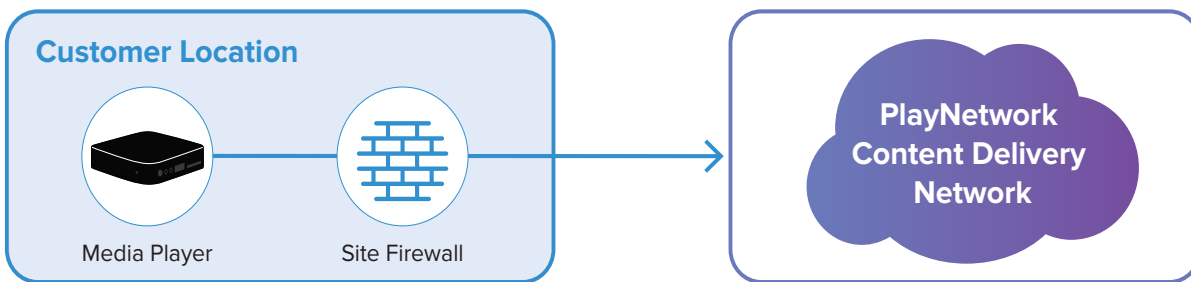


HOW IT WORKS

CURIOPlayer Z8 hardware communicates with PlayNetwork’s content delivery network to perform the following operations:

- Retrieves content and scheduling updates, configuration changes, and PlayNetwork software updates during the scheduled download window.
- Performs time sync operation with PlayNetwork servers.
- Sends periodic status messages to PlayNetwork servers.

NETWORK TOPOLOGY



PLAYER NETWORK REQUIREMENTS

- IP address via DHCP or static (IP address, gateway, subnet mask, primary DNS, and secondary DNS).
- DNS resolution.
- Internet access to communicate with PlayNetwork’s Content Delivery Network.

ROUTER / FIREWALL SETTINGS

Preferred Method

Whitelist using the following preferred method:

Source	Destination	Port / Protocol	Outbound	Inbound
Player VLAN or Player IP	Any	443 (TCP)	Allow	Deny
Player VLAN or Player IP	Any	80 (TCP)	Allow	Deny
Player VLAN or Player IP	client selected DNS server	53 (UDP)	Allow	Deny
Player VLAN or Player IP	Any	123 (UDP)	Allow	Deny

ALTERNATE OPTION 1

Source	Destination	Port / Protocol	Outbound	Inbound
Player VLAN or Player IP	*.hs.llnwd.net	443 (TCP), 80 (TCP)	Allow	Deny
Player VLAN or Player IP	*.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	*.cloudfront.net	443 (TCP)	Allow	Deny
Player VLAN or Player IP	client selected DNS server	53 (UDP)	Allow	Deny
Player VLAN or Player IP	*.clid.octavelive.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	registry.hub.docker.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	Any	123 (UDP)	Allow	Deny

** Items in bold are recommended*

INSTALLATION TIPS

- PlayNetwork recommends the media player utilize a private IP address and is installed on a non-PCI guest or vendor network that does not require authentication.
- If a login is required for the guest network, the media player's MAC address must be filtered to bypass the login before plugging the player into the network. The MAC address is located on the player. Player reboot is required after the MAC has been filtered.
- Enable Auto-Negotiation and Auto-Duplex on the network port the player is using.
- Enable PortFast on the port to enable the player to obtain a DHCP address.
- Disable port security so MAC filtering is not required on the port.

ALTERNATE OPTION 2

Full URLs for reference only.

- URLs can be added with the addition of new functionality at any time.
- URLs should be referenced through DNS as load balancing and high-availability mechanisms are in place.
- IPs can be reassigned at resources at any given time.

Source	Destination	Port / Protocol	Outbound	Inbound
Player VLAN or Player IP	playnet.hs.llnwd.net	443 (TCP)	Allow	Deny
Player VLAN or Player IP	schedule.apps.playnetwork.com	443 (TCP), 80 (TCP)	Allow	Deny
Player VLAN ovr Player IP	connectivity.apps.playnetwork.com	80 (TCP)	Allow	Deny
Player VLAN or Player IP	device-api.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	key-api.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	player-svc.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	playback-api.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	client selected DNS server	53 (UDP)	Allow	Deny
Player VLAN or Player IP	*.cloudfront.net	443 (TCP)	Allow	Deny
Player VLAN or Player IP	content-api.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	cloud.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	curio-music-api.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	provision-api.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	curio-settings-api.apps.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	api.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	api2.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	api3.playnetwork.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	master-assetapi.scaffold-workers-ext-main-us.m.cld.octavelive.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	master-collectionapi.scaffold-workers-ext-main-us.m.cld.octavelive.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	master-stationapi.scaffold-workers-ext-main-us.m.cld.octavelive.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	master-trackapi.scaffold-workers-ext-main-us.m.cld.octavelive.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	registry.hub.docker.com	443 (TCP)	Allow	Deny
Player VLAN or Player IP	Any	123 (UDP)	Allow	Deny

* Items in bold are recommended