



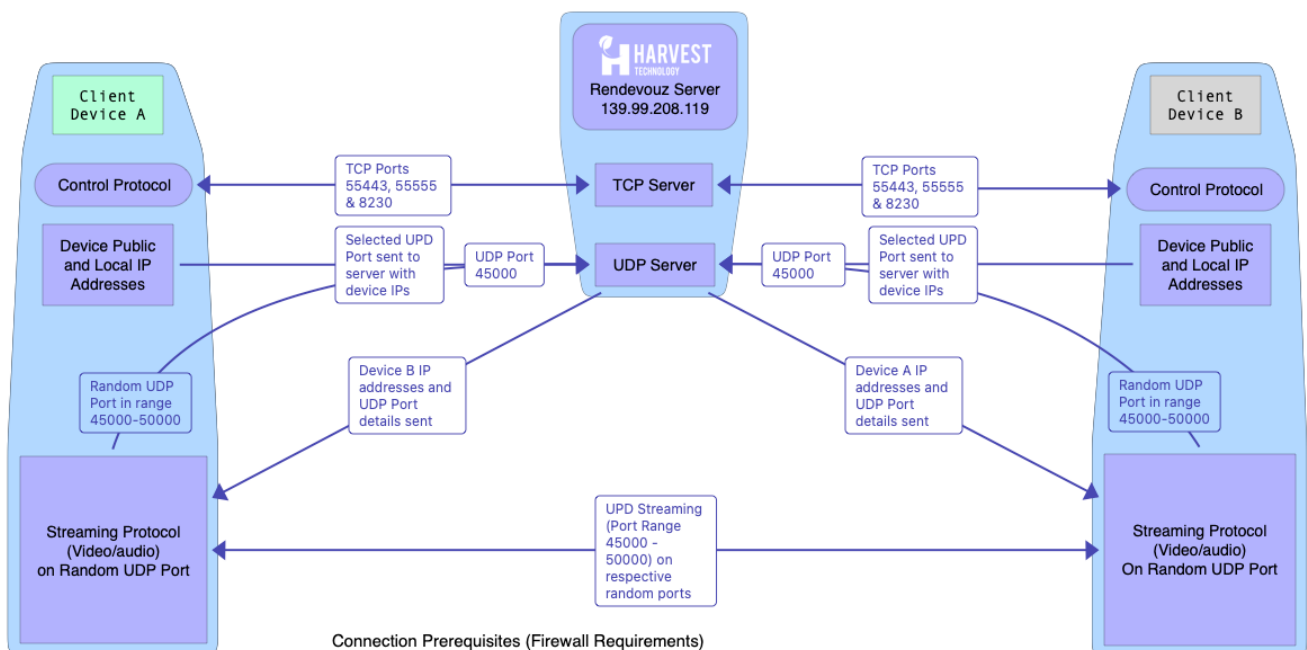
Configuring your network for Harvest Infinity Devices

Most corporate network firewalls/gateways/antivirus software have strict rules in place that may require modification to allow Harvest Infinity Devices to function as per specifications.

The rule adjustments are similar to the requirements when allowing Voice over IP on networks.

The detail of how Harvest Infinity Devices communicate over the network is shown in the following image.

Note that all communications over the network are encrypted and use propriety encoding/decoding that can only be decoded by harvest Infinity products.



Connection Prerequisites (Firewall Requirements)

For devices to communicate with each other, the following permanent network protocol rules have to be in place for each device:

- Devices must have access to the public network (internet)
- Protocol is IPv4 ONLY
- Inbound/Outbound to Harvest Infinity Server on IP: 139.99.208.119
 - TCP Port 55443
 - TCP Port 55555
 - TCP Port 8230
 - UDP Port 45000

Devices Must be able to stream UDP packets between each other on UDP ports in the range of 45000-50000

1.1 STREAMING ISSUES

Usually there are no problems with the TCP side of networks, any issues that prevent streaming is usually with UDP Packets being blocked from streaming direct between devices.

If the nodester app on the ipad shows devices as online and connections can be made between devices, then all the TCP / control functionality is working ok.



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If connections can be made but the Decoder end simply shows a black screen with the word 'CONNECTING' with an endlessly cycling circular wait symbol, then UDP communication device to device is not being allowed between the devices.

Options to be considered:

- White Listing devices
- Disable any Source Port Remapping
- Exclude devices from content filters
- Create VPN connections between devices
- If possible, cable devices operating over Satellite connections so they are on the public side of any firewall/gateway
- Where it is convenient, network devices to public (eg home) accessible networks.

For further support or questions, please contact us at support@harvestinfinity.com

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