Techknow
DRIVE-THRU SYSTEMS & ANALYTICS

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McDonald's Network

Legacy Setup – Network 1.0 Setup
- **Techknow desires to have two network ports.**
- Enhanced Wayport Switch (EWS) is mounted on a wall in the Manager's Office separate from the Network Rack
  - This is the same switch the Digital Menu Boards connect through with blue cables
  - Any switch in the network rack with green or yellow cables should NOT be utilized under any circumstances
- Plug into port 22 as the first choice
- Alternatives are ports 21, 23, and 24 on the same switch

Network 2.0 Switch
- This solution will have 2 switches both of which will be mounted in the network rack (see diagram below):
- Reserved ports on both switches:
  - Ports 1 – 4 (yellow) are used for POS
  - Ports 41 – 48 (non-yellow and green) are used for other peripherals
- ALL remaining ports (green) are available:
  - *There is no longer a specific designated port*
- The request is the ports be filled according to the following priority:
  - from the top switch to the bottom
  - from right to the left (to try and keep the POS system equipment together)
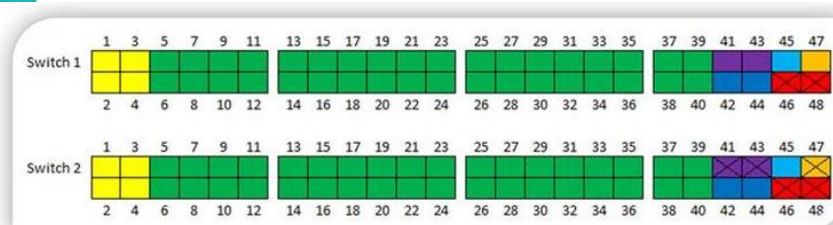
Internal IP Address
Techknow's Timer and Leaderboard need a free IP address. We can use DHCP IP address assignment vs static as needed.

Technical Overview
> Techknow's timer maintains a VPN connection to a remote Internet server for gathering data.

Firewall Exception
- The firewall does not need to allow any new inbound connections on any ports.
- The firewall must allow inbound packets from host: vpn1.gotechknow.com if established and related with the outbound connection previously started by the timer.
- The firewall must allow all outbound packets having destination host vpn1.gotechknow.com, destination port 1282, and protocol either TCP or UDP.