BUSINESS PLAN

- Milk It is a cereal company with hundreds of cereals to choose from. You walk into nostalgia. You go back into time in your childhood and have lots of options to choose from. You can mix and match anything cereal you want with any kind of milk you want. All you have to do is Milk It!
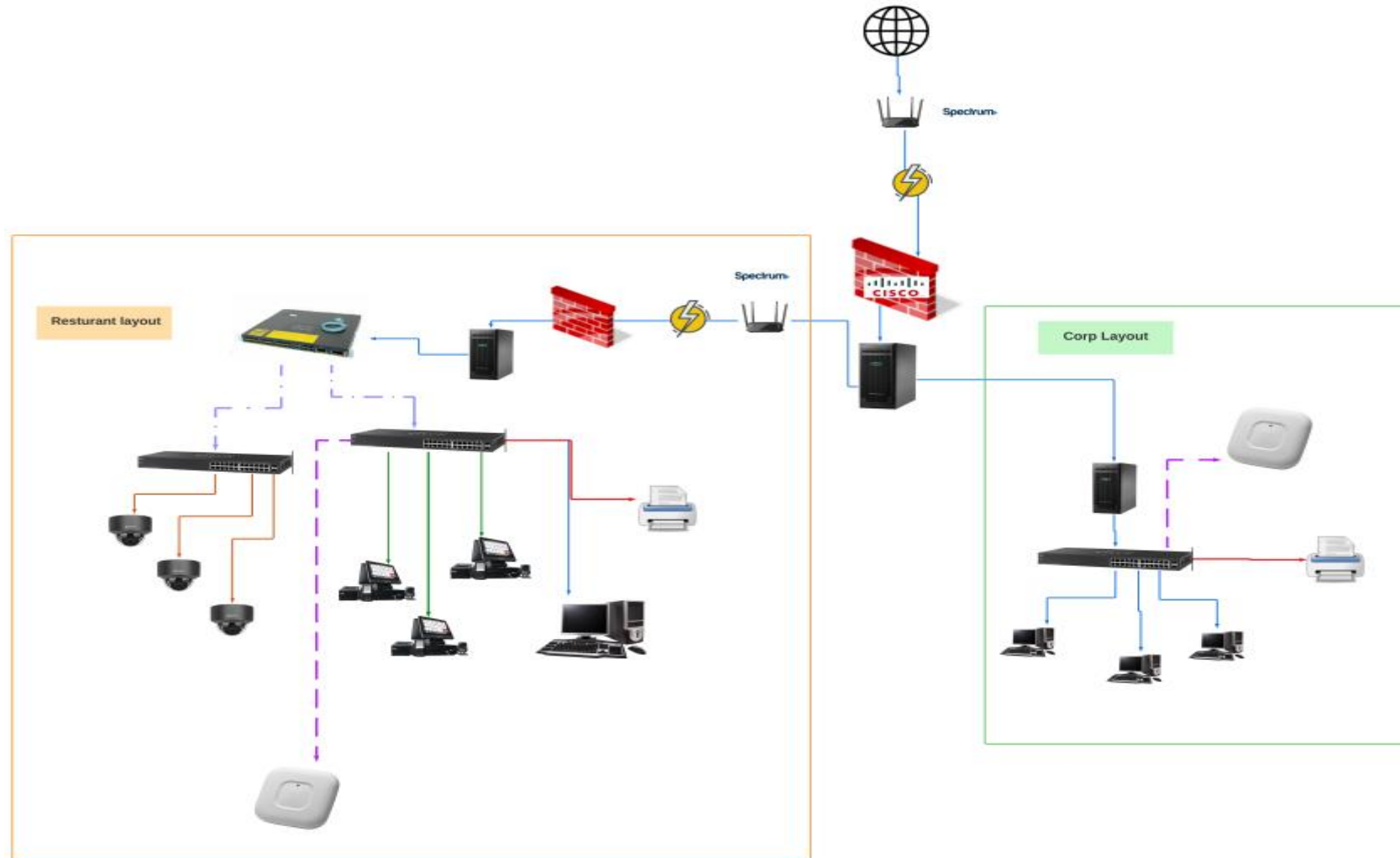
LOCATIONS

Each location will have approximately 10-20 employees each shift depending on location. Corporate will have around 20-30 employees. Restaurants and the corporate office will have over 200 employees.

- Salt Lake City (Corporate)
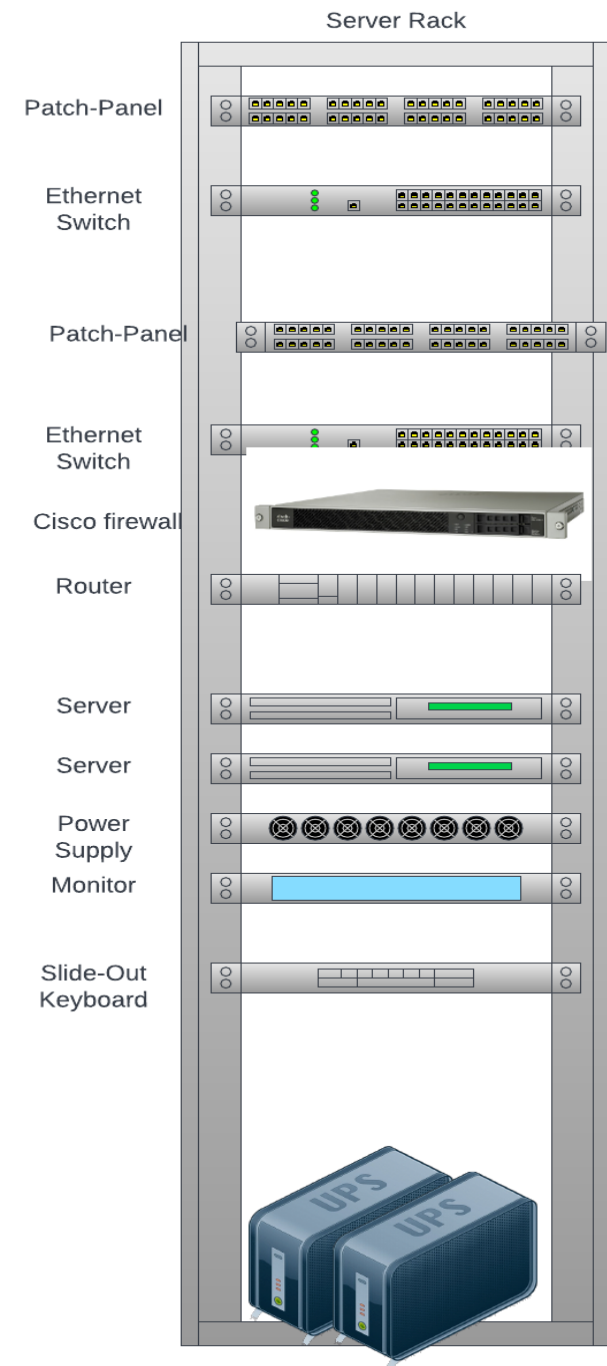- Salt Lake City
- Ogden
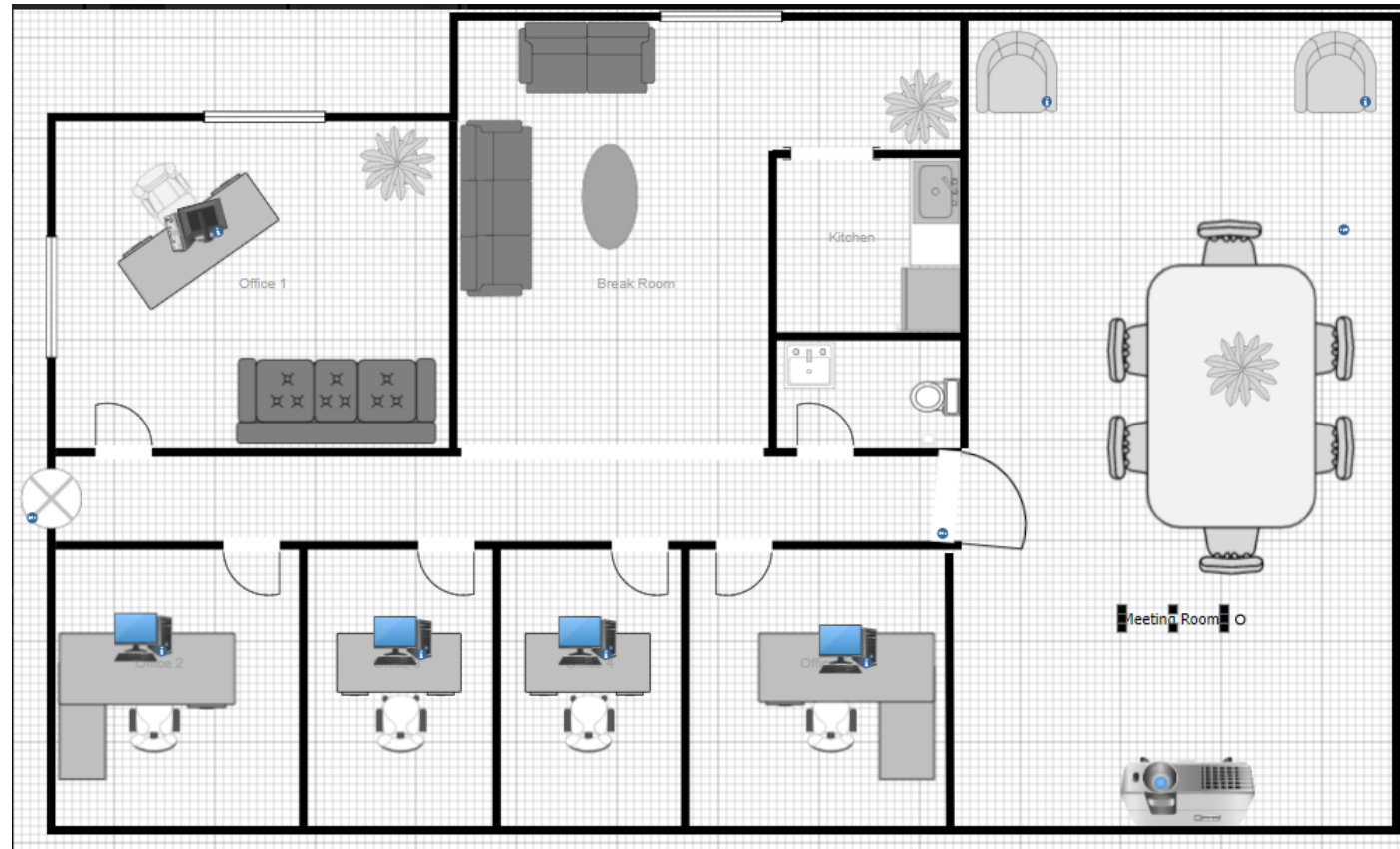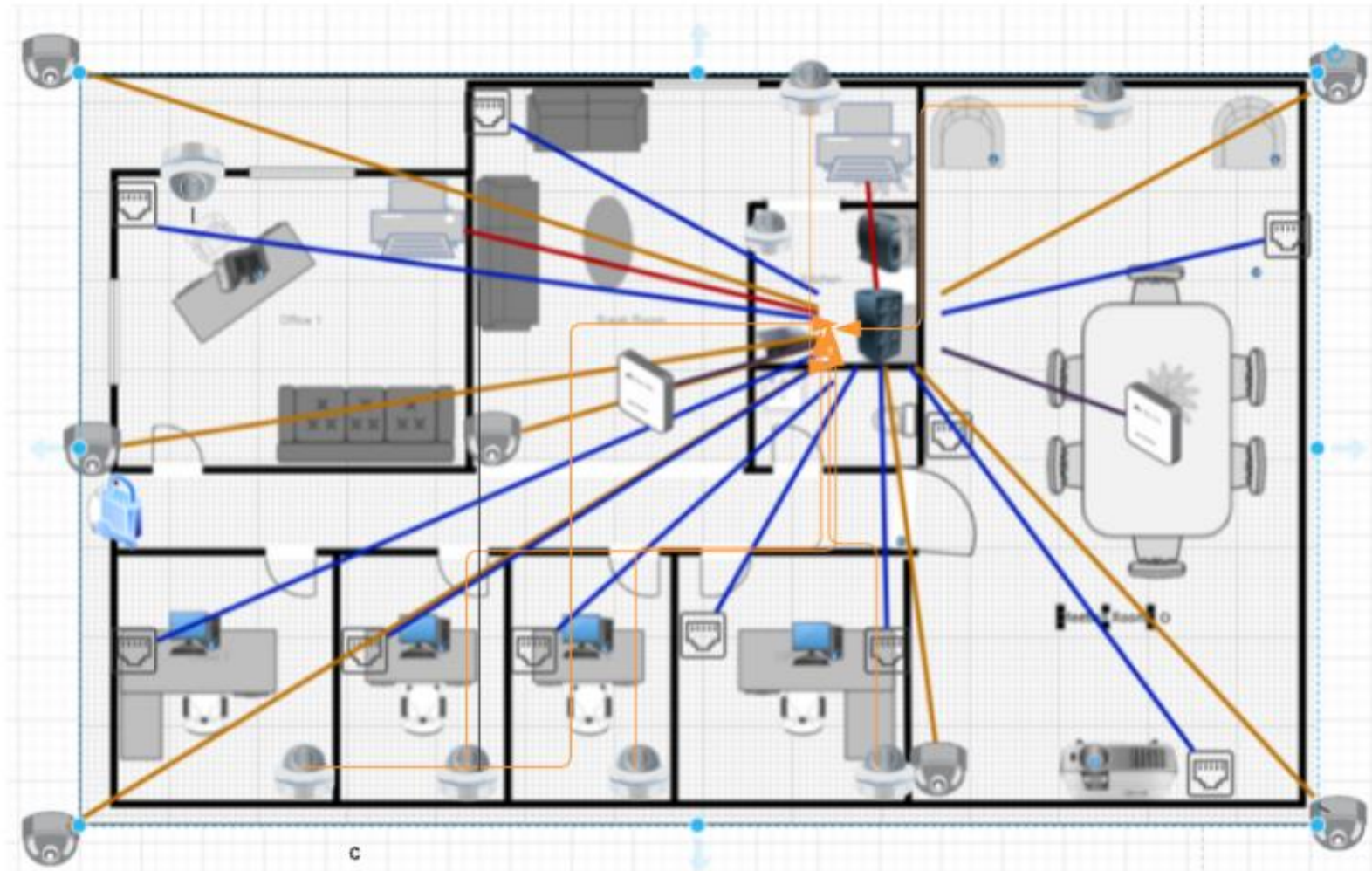- Provo
- Orem
- Logan

NETWORK MAP

RACK DIAGRAM

- Firewall Cisco Firepower 2100 Series

- Two 24-port switches – 15 cameras, 10 jacks, room for expansion

- 48 patch panel for both 24 port switches

- 2 UPS for redundancy, rated combined 3600W

- NAS for storage

- Backup generator for black outs

- 400btu rating

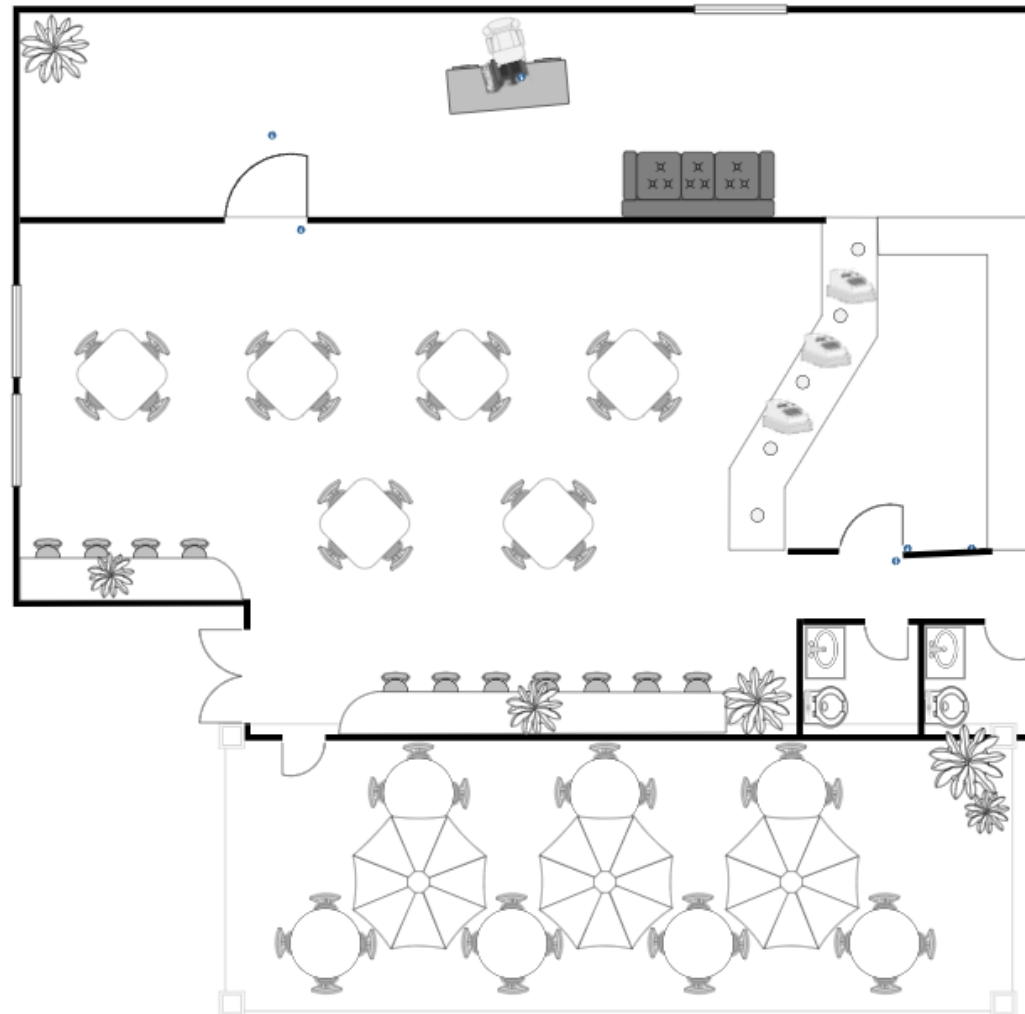Server Rack

Patch-Panel

Ethernet Switch

Patch-Panel

Ethernet Switch

Cisco firewall

Router

Server

Server

Power Supply

Monitor

Slide-Out Keyboard

CORPORATE OFFICE

CORPORATE OFFICE NETWORK LAYOUT

RESTAURANT

RESTAURANT NETWORK LAYOUT
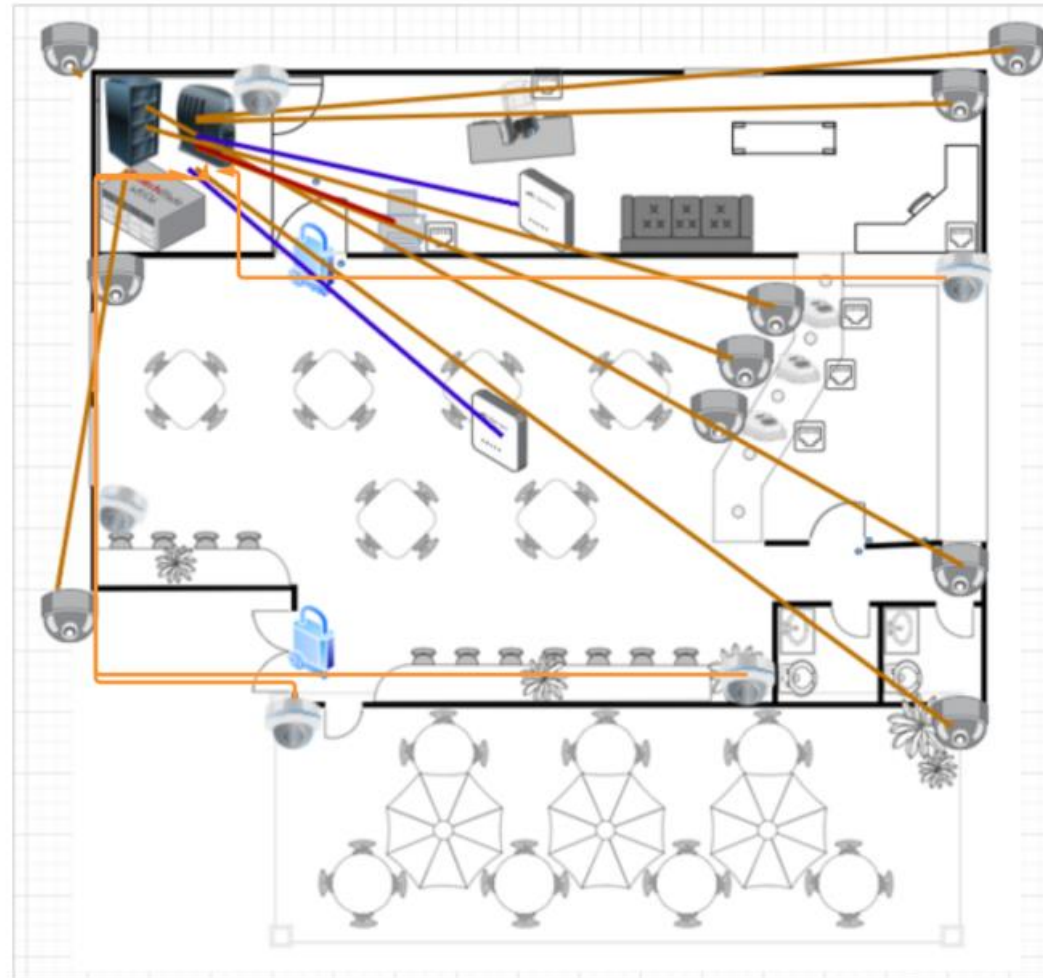
☀	**Spectrum**	Specturm - 1Gbps $149.99/mo Fiber
📹	**Security cameras**	Cameras are Anpviz 5MP PoEIP Dome Cameras
💵	**Cash registers**	Agilysys - POS made for resturants
🏠	**Switches**	Cisco SRW224P 24-Port 10/100 + 2-Port Gigabit Switch: WebView/PoE Cisco Small Business Managed Switches
🖨	**Switch Aggregator**	ME-4924-10GE, CISCO METRO ETHERNET AGGREGATION SWITCH 10G | eBay
🖥	**Server**	Server HPE ProLiant ML110 Gen10 4110 16GB-R S100i
🗄	**Firewall**	Firewall- Cisco Firepower 2100 Series

EQUIPMENT & ISP

SECURITY

Cameras are placed indoors and outdoors in at both corporate and restaurant location

The chosen cameras provide compression, are weatherproof, have PoE, and they work with third party software

Recordings are stored in the cloud and locally

Deliveries will be made during the slowest hours of operation in view of a camera(s)

PHONES

We decided not to do the phone system we didn't want to run any more wires. We felt that the future was all in the data. So, we choose Teams as our phone system. Since the corporates office would be doing meetings and teams also gives phones systems, we felt that was the best way. Teams will allow the flexibility to assign and forward phones from anywhere and it would be easier since we will be a office 365 shop this would be the best way for us

ENTERPRISE DATA

We decided that we wanted to do cloud base data. Since the server we have isn't going to be much of hard storage. We wanted to make sure that we could use cloud

- Email, data can all be handled with Office 365
  - Phones- Teams
  - Billing - Confluence
  - Ticket support - Jira
  - Main OS - Windows

All of these are all SaaS for us and this will easier for the user and better for the IT team.

SUMMARY

- We used Spectrum wireless because we wanted to make sure we would have reliable internet. Having the network all have the same brand was important. The reason for that was because we wanted to make sure that everything was manageable, and I was able to access it all under one roof.

- We choose the fiber because our restaurant is a Cereal bar, so we will have lots of fun things and we need to have to have the ability to have streaming and gaming. This requires high throughout. We choose Cisco Switches to keep with the conformity of everything. We made sure that we had POE so we can make sure we have the cameras connect to it. The Cisco server was great for us because we looked up the reviews and found that they are good for our size or company.

- We didn't have tons of on-site storage because we wanted to do more cloud base. The AP we choose was based on how many people can be on them and the signal strength of them as well. We also wanted to make sure it would work for our size and the size of the cooperate office and restaurants.

- The cameras were picked because they were the cheapest solution to our needs. The quality looked good for the price, and they were POE cameras so that was important for us. We are going to have the switches separate, so one will be for the cameras and one for the network. We wanted to make sure we had an aggregated switch to do that as well.

- The POS was picked for the POE and it was good enough for what we needed. The printers were HP and they were great we didn't need much. The firewall was picked because is what we needed the sandbox and antivirus was there on the system. We saw the specs and they seemed fine with our size or organization.

THANK YOU