
The Everglades Foundation

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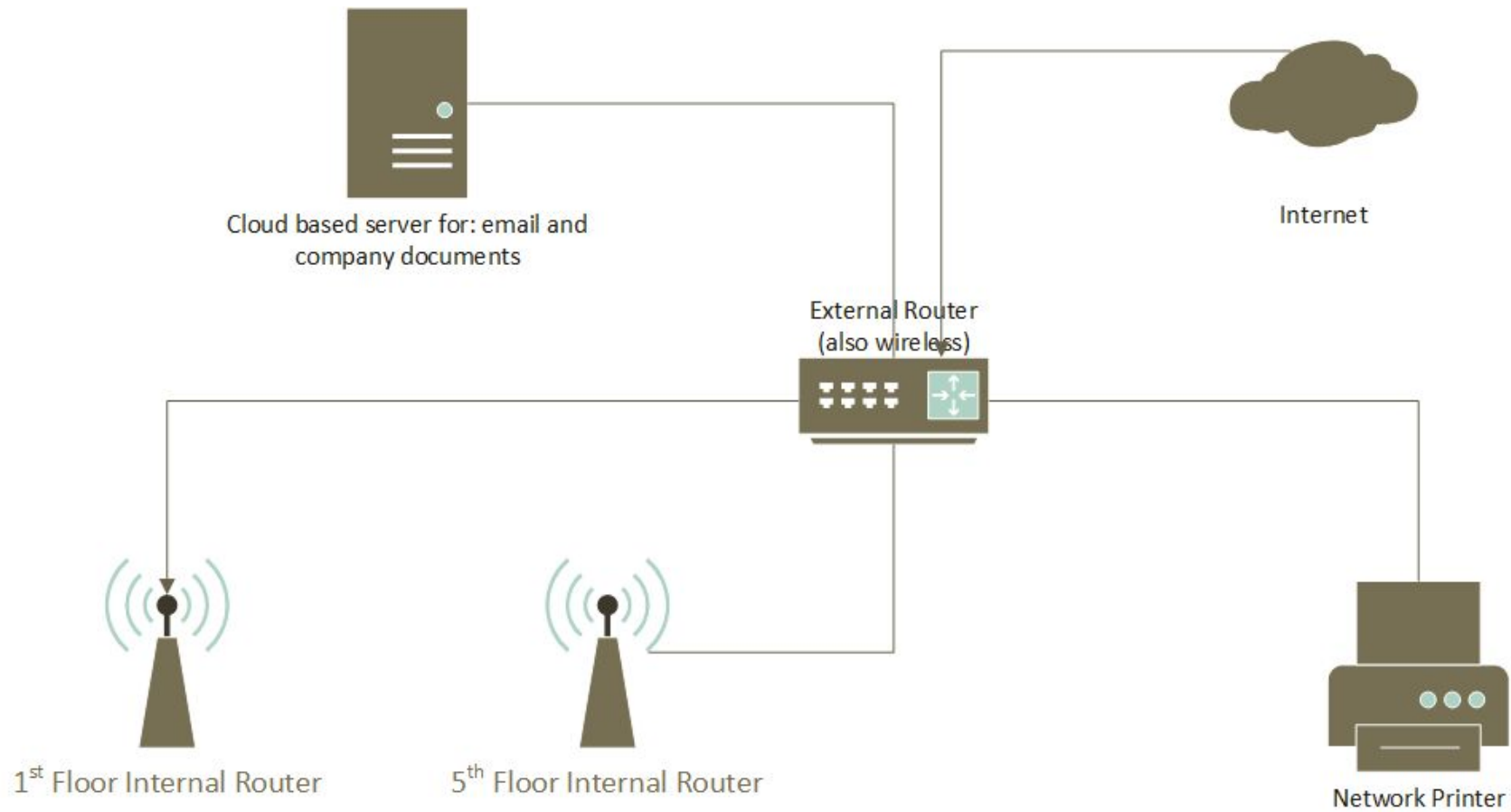
Patrick Duke

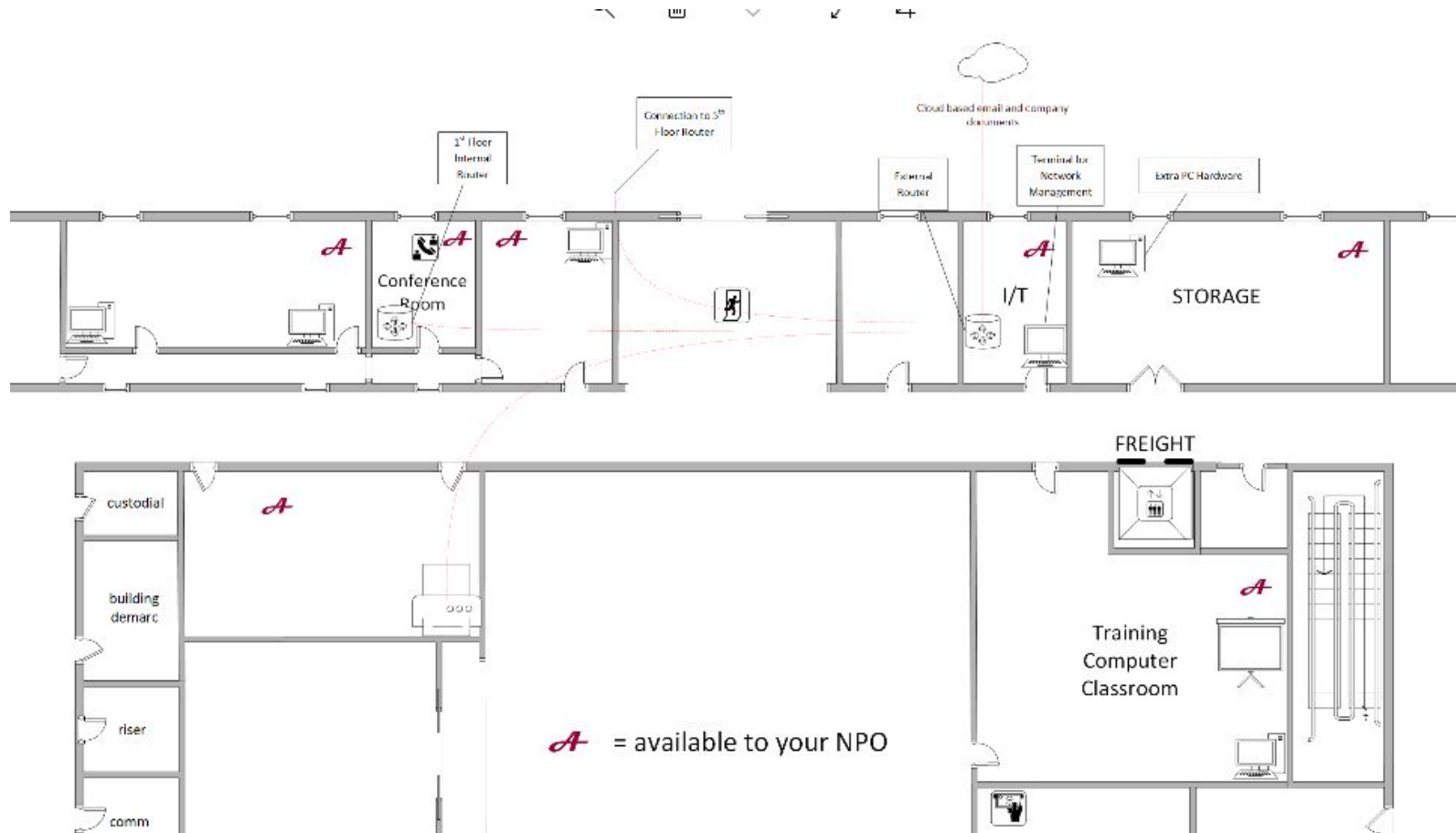
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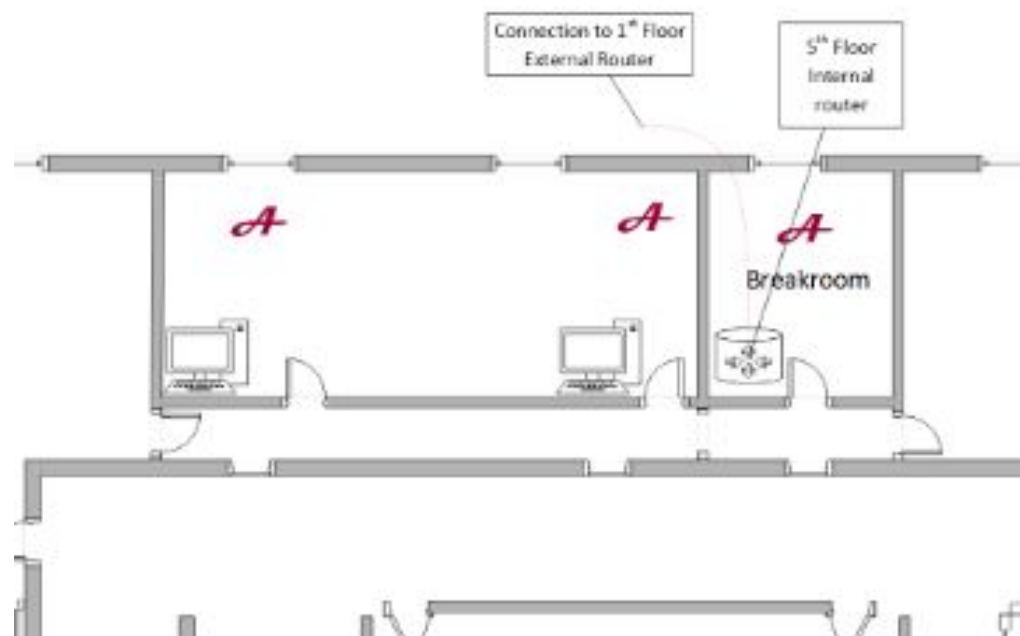
What is the Everglades Foundation?

NPO dedicated to restoring and preserving the Everglades

Mission: “The Everglades Foundation works to protect and restore America’s Everglades through science, advocacy & education”







Network Policies

- Local DNS server
- DHCP Server, dynamically assigned IP addresses. The 3 routers will have static IP addresses
- VPN Server for remote access to network resources
- Network Monitoring & Intrusion Protection
- Cloud server maintained through our cloud services contract
- Local network will be maintained by an full-time employee

Security Policies

- Physical Security include security at reception, a deadbolt doors on all limited access rooms such as the IT room, weekly security seminars for best practices that cover system updates, password basics, and safe practices such as email attachments.
- IT room consists of an external router, connected to a terminal, and is the only point of access to the internet.
- We will be using the Synology RT2600ac as our router
- Access to these interface features are only accessible through QuickConnect in the IT room

Disaster Recovery and Fault Tolerance

- Strong Fault Tolerance with spare parts and components
- RAID Solutions (disk mirroring)
- Offsite location for storage and data safekeeping
- Cloud based using IDrive Personal storage with 2 factor authentication
- Back everything to multiple external hard drive kept at an offsite secure undisclosed location

Budget

Type of Expenditure	Amount Budgeted	Amount	Amt. Remaining	Notes			
Installation Fees	5,000	5,000	12,464	Use of Volunteers Cuts back on installation costs			
Equipment (Existing)							
CRT Screen	1,080	1,080	11,384	(9 Count)			
LCD Screen	1,350	1,350	10,034	(9 Count)			
Pentium III CPU	1,350	1,350	8,684	(9 Count)			
Celerons CPU	1,800	1,800	6,884	(9 Count)			
Microsoft Office Suite	350	350	6,534	(Assumed Number of units)			
Corel Word Perfect	500	500	6,034	(Assumed Number of units)			
Equipment (Procured)							
Synology RT2600AC	600	600	5,434	(3 Count)			
Koss CS95 USB Headset	840	840	4,594	(35 Count)			
Canon Printer	90	90	4,504				
Microsoft Office Suite	470	470	4,034	(7 Count)			
Windows 10	280	280	3,754	(7 Count)			
Ethernet Hubs	200	200	3,554	(2 Count) - Install Not Included			
iDrive Subscription	1800	1800	1,754	(Yearly)			
Fault Tolerance							
Seagate 5TB HDD	1,610	1,610	144	(14 Count)			
10TB HD	144	144	0	(Off-Site)			
Total	\$17,464	\$17,464.00					

Appendix C: Bill Of Materials

Equipment	Expense (Per Unit)	Total	Labor
Synology RT2600 Router	\$200	\$600	\$0
Koss CS95 USB Headset	\$24	\$840	\$0
Canon Printer	\$90	\$90	\$100
Microsoft Office Suite	\$67	\$470	\$0
Windows 10	\$40	\$280	\$100
Ethernet Hubs	\$100	\$200	\$200
iDrive Subscription	\$1,800	\$1,800	\$200
Total Estimate			\$4,880

- The RT2600 Routers and CS95 Headsets can be set up by the interns and volunteers since they are easy to use, and install does not take a professional.
- The software (Microsoft Office and Windows 10) would be installed by the Users of the Computers (the 7 Desktops in the various rooms)
- 12 Port Ethernet Hubs replaced
- iDrive and Printer installed
- Cat6 Wiring 800 Feet

References

About: The Everglades Foundation: United States. (n.d.). Retrieved November 30, 2020, from <https://www.evergladesfoundation.org/about>

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