Networking Final Project

Objective: You will pick one of the following scenarios and assess the technology needs for that location. You will have to stay in budget with all costs associated to the integration of technology in these locations.

Week 1: Infrastructure Audit

- Office Mission Statement
- Office Technology Needs
- Office Floor Plan
- Budget
- Equipment used
- ISP

Week 2: Physical Requirements and Costs

- Physical: including cost
- Where you would run the cable
- Room to store equipment
- Physical controls
- Types of cable used
- Crimps used
- Switches
- Routers
- Power

- UPS Power
- Number of servers
- Model and configuration of servers
- Workstation configurations
- Backup drives
- Firewall hardware

Week 3: Digital Requirements and Costs

- Digital: software costs included
- Productivity Software
- Server OS
- Workstation OS
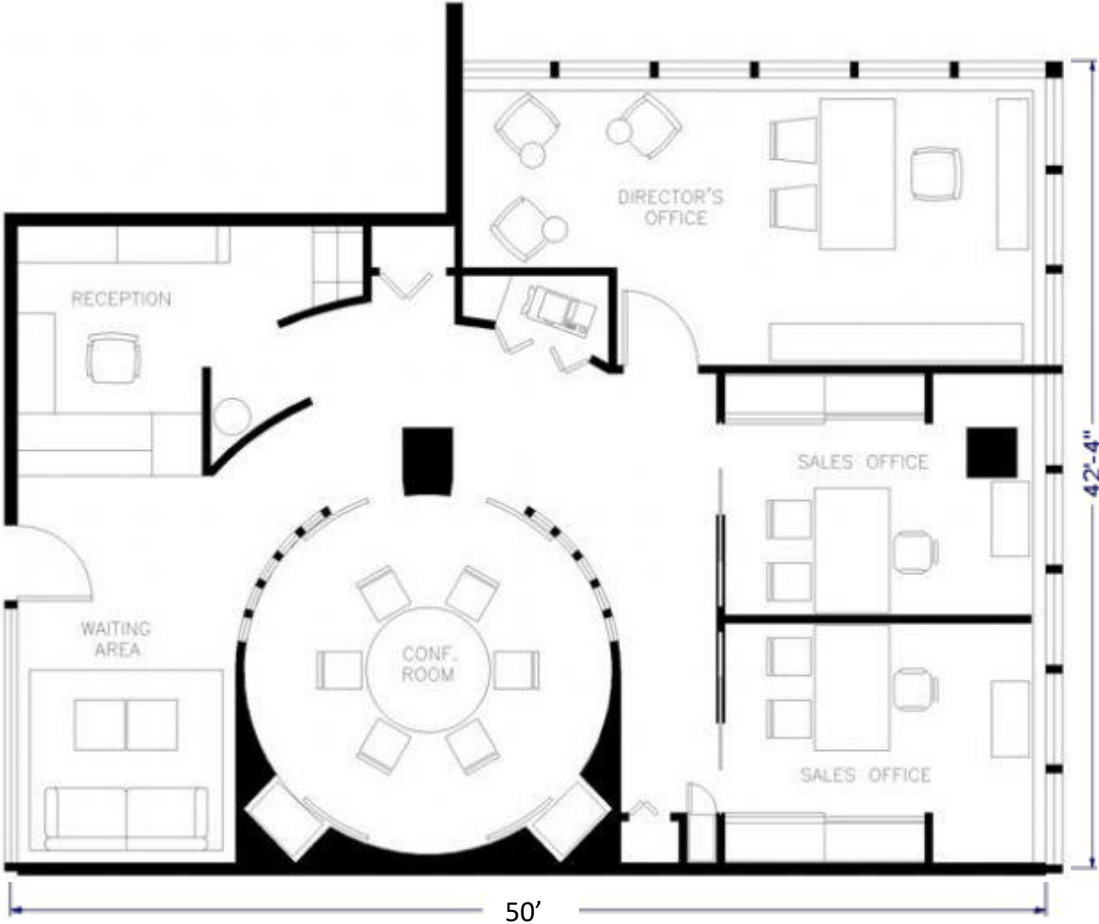- Backup solutions
- Anti-virus
- Mail solutions
- Web host

Week 4: Presentations

- PowerPoint detailing your research

Tango Marketing is a small scale marketing firm that just moved into an office space. The location is an older building with no spaces designed for networking. The firm has one receptionist, two sales employees who also do the visual designs for advertisements, and one director who manages all the financial aspects of the company. The company has one copier, a meeting room, and a waiting area for customers. They also require a website, data storage for videos, computers, software, and minimal downtime. You have been hired to assess the technology needs of this company, along with networking the building.

- Office Mission Statement: "To help other companies find success through creative advertising strategies."
- Budget: $30000
- Office Technology Needs:
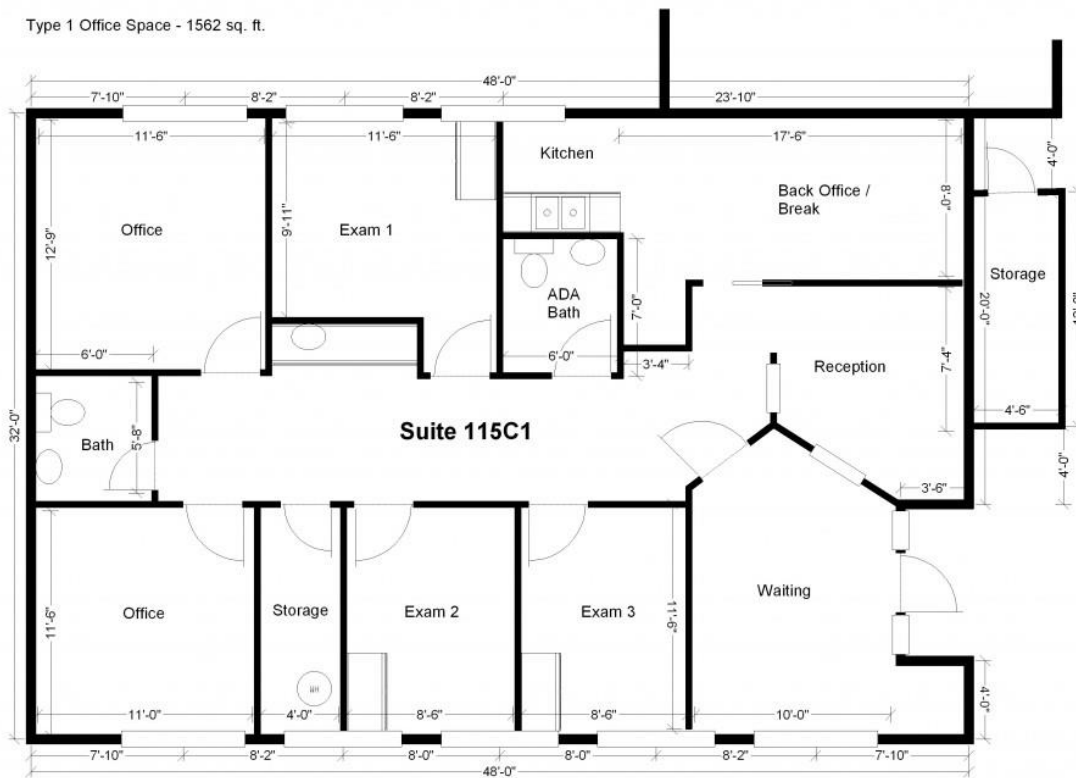- Equipment used:
- Internet Service Provider (ISP):

Office Floor Plan

Dr. Arzt has a small clinic that just decided to upgrade their medical space. The location is an older building with no spaces designed for networking. The clinic has one receptionist, two nurses, one PA, and the doctor. This clinic requires practice management software, one computer in each exam room and in each office, a printer in each office, copier, cable runs, client data storage, and internet connection and requires almost zero down time. The doctor also requested if possible to have a website, and is planning to renovate physical space to allow new technology needs. You have been hired to assess the technology needs of this clinic, along with networking the building.

- Office Mission Statement: "To bring safe medical needs to the community"
- Budget: $60000
- Office Technology Needs:
- Equipment used:
- Internet Service Provider (ISP):

Clinic Floor Plan

Type 1 Office Space - 1562 sq. ft.

Suite 115C1

Mountain Terrace Office Complex
203 S. Candy Lane
Cottonwood, AZ 86326

Floor Plan 1/8" = 1'-0"

Dimensions are approximate

The Law firm of Gonzalez & Gonzales, moved into an office space for one of their law branches. The location is an older building with no spaces designed for networking. The location has one receptionist, 3 paralegals, and 3 lawyers who require basic productivity software and each lawyer needs their own database for their clients. The location also requires a private connection to the larger corporate office located in a nearby town. The company requires 2 copiers, 7 desktops, and server needs based on your assessment and minimal downtime. You have been hired to assess the technology needs of this company, along with networking the building.

- Office Mission Statement: "We aim to fight for your rights!"
- Budget: $80000
- Office Technology Needs:
- Equipment used:
- Internet Service Provider (ISP):

Office Floor Plan