

AvyCompta

The origin of the project

Our project is a simulation of the following situation: a growing accounting firm has contacted us to computerize its operations. They want us to set up a structured computer network, provide a monitoring tool for their internal network, and create a website to enhance their digital presence.

Website



The website aims to introduce the accounting firm to potential clients, showcase the various services it offers, and simulate a tool that calculates contributions and taxes based on a revenue figure. Additionally, it allows users to contact the accounting firm to propose collaborations.

The site includes a database to manage user accounts, collaboration requests, reviews, site information, and certain dynamic content displayed on the platform.

Infrastructure

The infrastructure must include a range of equipment, such as 2 servers, 10 computers, a surveillance camera, a photocopier, a Wi-Fi modem, a phone, and switches and routers to enable communication between these devices. To establish communication, the IP addresses and VLANs of these machines need to be configured. To secure the system, the firewall and proxy must also be set up. One of the servers will be used to host the website. The configuration also incorporates employee management and their roles within the Active Directory.



Monitoring site

The monitoring site allows real-time visualization of the resources being used by each machine. It enables monitoring of the ping, meaning whether the computer is communicating with the network or not, as well as the storage, RAM usage percentage, and CPU usage of the computer.

It also helps track whether a machine's resources are being overused, allowing adjustments to address such overuse.

