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English resume of the project « SAE 12 »

The goal of this project is to create a computer network for a small company. To achieve this we worked in a group of 4 , we need 4 VLANs (= 4 virtual private networks) for the whole company.

We started by setting up a list of the needed components : 5 machines (four clients and one web server running « Apache), 1 Cisco router , 1 Cisco switch (2960-24TT), RJ45 cables, and finally console cables for the configuration of the Cisco equipment through serial connection.

Then we made a diagram of the network, we named our 4 VLANs : Admin, Staff, Production, Video.

Before settings up the components physically, we have set up a simulation on a tool called « Cisco Packet Tracer » so we could try the commands we would have to type in the real setup.

After setting up the physical installation, we have to ensure that the connection between devices in all VLANs is working properly.