

# Progetto di rete

Per realizzare questa rete in 2 edifici diversi, ho deciso di utilizzare:

Un router che utilizza 2 interfacce ciascuna per edificio con gateway rispettivi 192.168.1.1 e 192.168.2.1 con subnetmask 255.255.255.192;

Uno switch e un access point per ogni piano;

Due stampanti, ovvero una per ogni edificio;

Trenta computer con OS Windows per piano;

Un firewall e un server backup.

## Preventivo

240 x Computer ASUS ExpertCenter D5 SFF D500SD = 100.560€

1 x Router Cisco = 3000€

8 x Switch Cisco = 12.000€

8 x Access Point Cisco = 160€

2 x Stampanti Brother MFC-J410 = 1000€

1 x Firewall Cisco = 1000€

1 x Server = 2000€

Totale = 119.720€

	EDIFICIO 1
	PIANO 1
SUBNET	255.255.255.192
NETWORK	192.168.1.0
GATEWAY	192.168.1.1
BROADCAST	192.168.1.63
HOST RANGE	192.168.1.2 - 192.168.1.62
	PIANO 2
SUBNET	255.255.255.192
NETWORK	192.168.1.64
GATEWAY	192.168.1.65
BROADCAST	192.168.1.127
HOST RANGE	192.168.1.66 - 192.168.1.126
	PIANO 3
SUBNET	255.255.255.192
NETWORK	192.168.1.128
GATEWAY	192.168.1.129
BROADCAST	192.168.1.191
HOST RANGE	192.168.1.130 - 192.168.1.190
	PIANO 4
SUBNET	255.255.255.192
NETWORK	192.168.1.192
GATEWAY	192.168.1.193
BROADCAST	192.168.1.255
HOST RANGE	192.168.1.194 - 192.168.1.254

	EDIFICIO 2
	PIANO 1
SUBNET	255.255.255.192
NETWORK	192.168.2.0
GATEWAY	192.168.2.1
BROADCAST	192.168.2.63
HOST RANGE	192.168.2.2 - 192.168.2.62
	PIANO 2
SUBNET	255.255.255.192
NETWORK	192.168.2.64
GATEWAY	192.168.2.65
BROADCAST	192.168.2.127
HOST RANGE	192.168.2.66 - 192.168.2.126
	PIANO 3
SUBNET	255.255.255.192
NETWORK	192.168.2.128
GATEWAY	192.168.2.129
BROADCAST	192.168.2.191
HOST RANGE	192.168.2.130 - 192.168.2.190
	PIANO 4
SUBNET	255.255.255.192
NETWORK	192.168.2.192
GATEWAY	192.168.2.193
BROADCAST	192.168.2.255
HOST RANGE	192.168.2.194 - 192.168.2.254