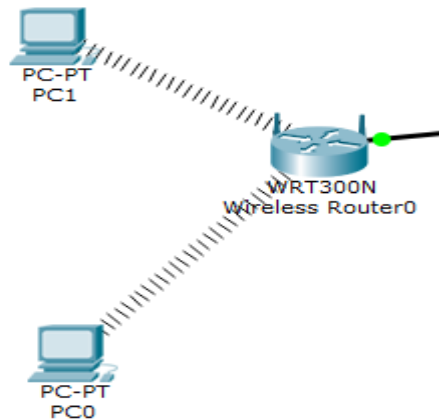


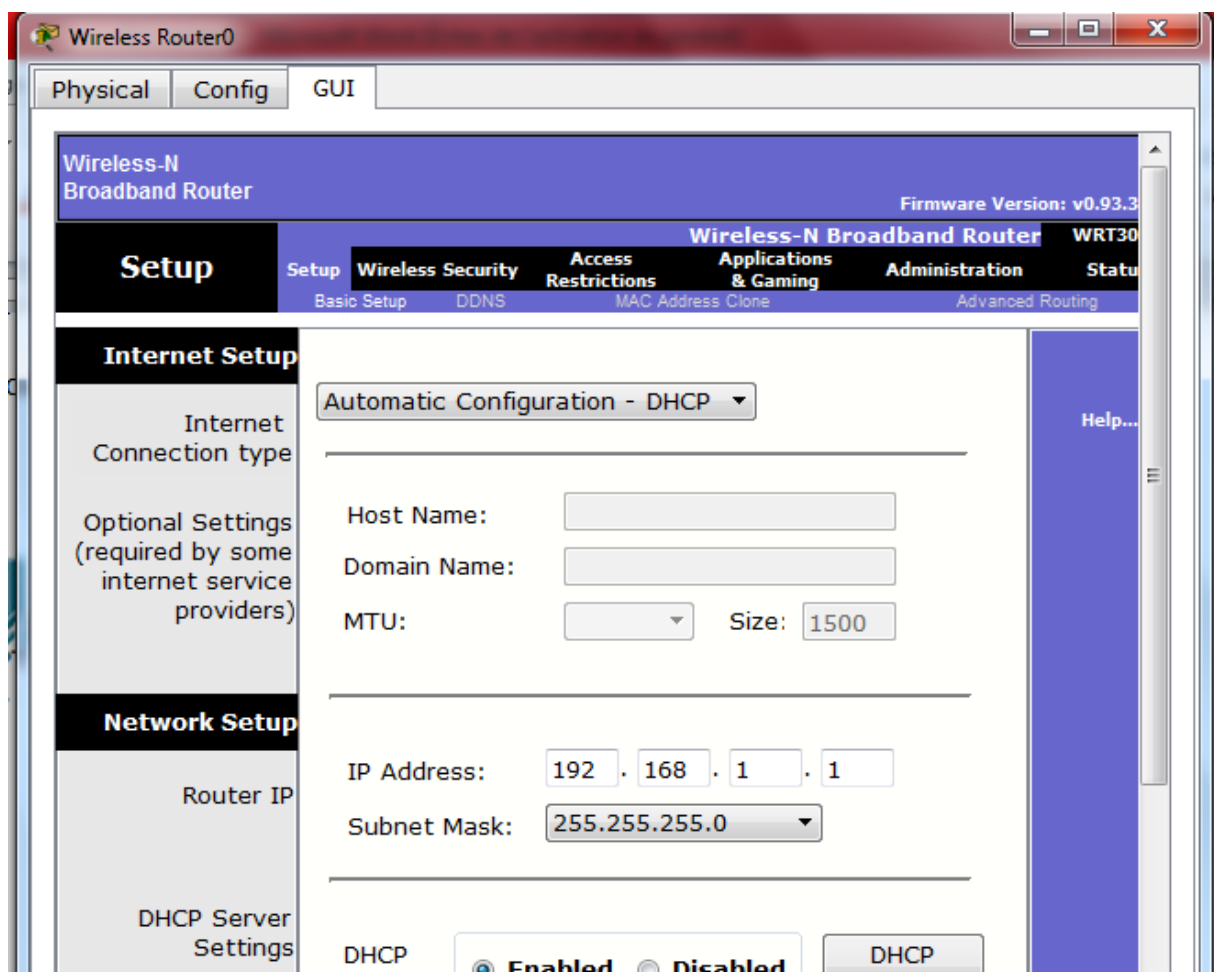
## TP-N6 : Sécurisation d'un réseau WIFI

Objectif : sécuriser un réseau wifi en utilisant le serveur Radius.

Tâche N1 : Réaliser sous Packet Tracer le schéma suivant :



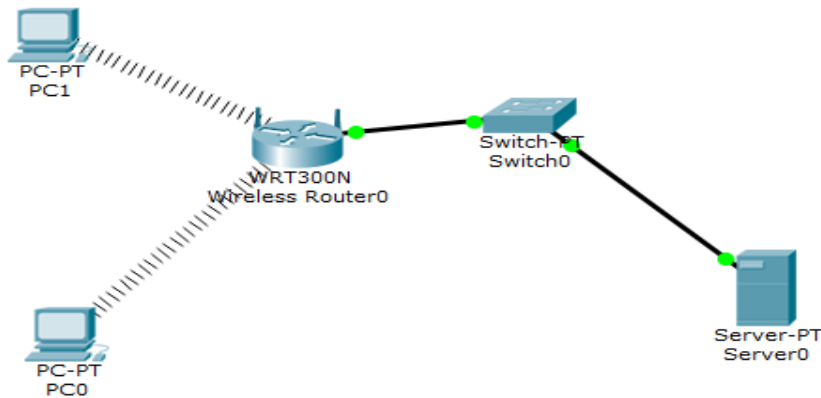
Accéder à la configuration du routeur pour configurer la sécurité d'accès



Problème : L'inconvénient de cette démarche de sécurité est l'utilisation d'une clef unique est insuffisante pour l'authentification.

Solution : utiliser un serveur Radius pour sécuriser l'authentification.

Voici le schéma à réaliser sous packet Tracer :



Configuration coté serveur :

Server0

Physical Config Services Desktop Custom Interface

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA**
- NTP
- EMAIL
- FTP

**AAA**

Service ☒ On ☐ Off Radius Port **1645**

Network Configuration

Client Name  Client IP

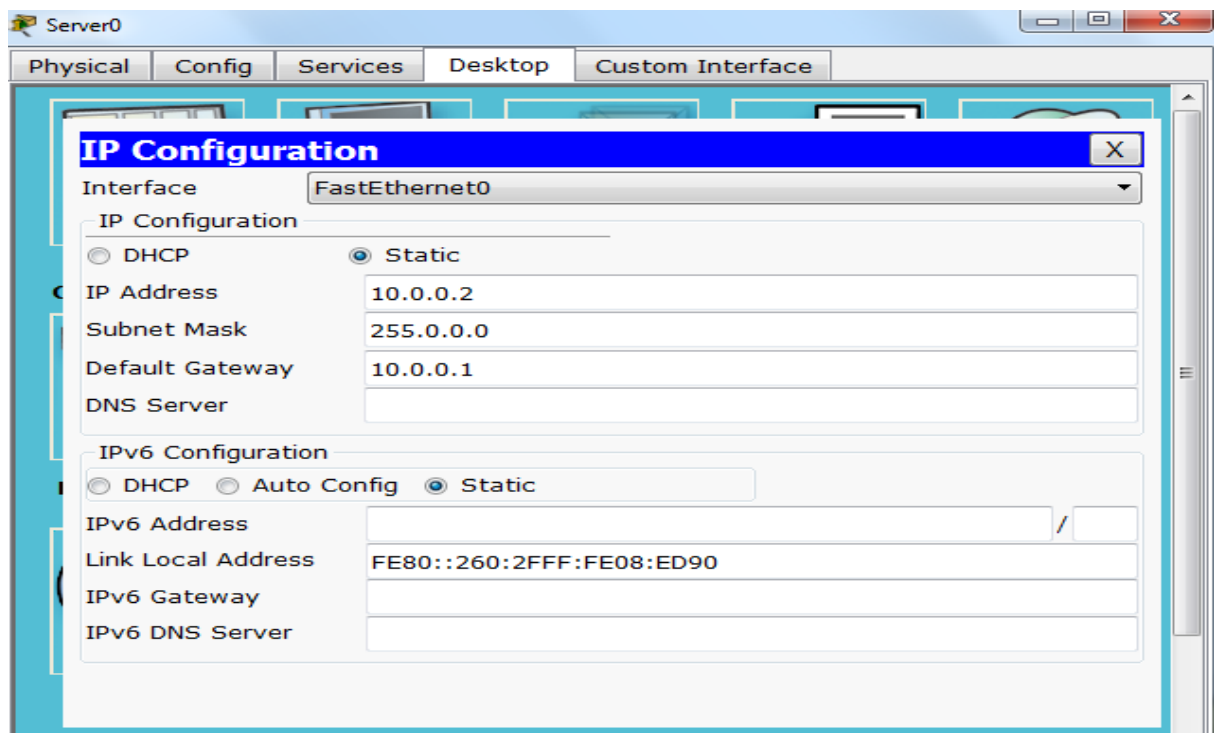
Secret  ServerType **Radius**

	Client Name	Client IP	Server Type	Key	
1	casa	10.0.0.1	Radius	azerty123	<input type="button" value="Add"/>
					<input type="button" value="Save"/>
					<input type="button" value="Remove"/>

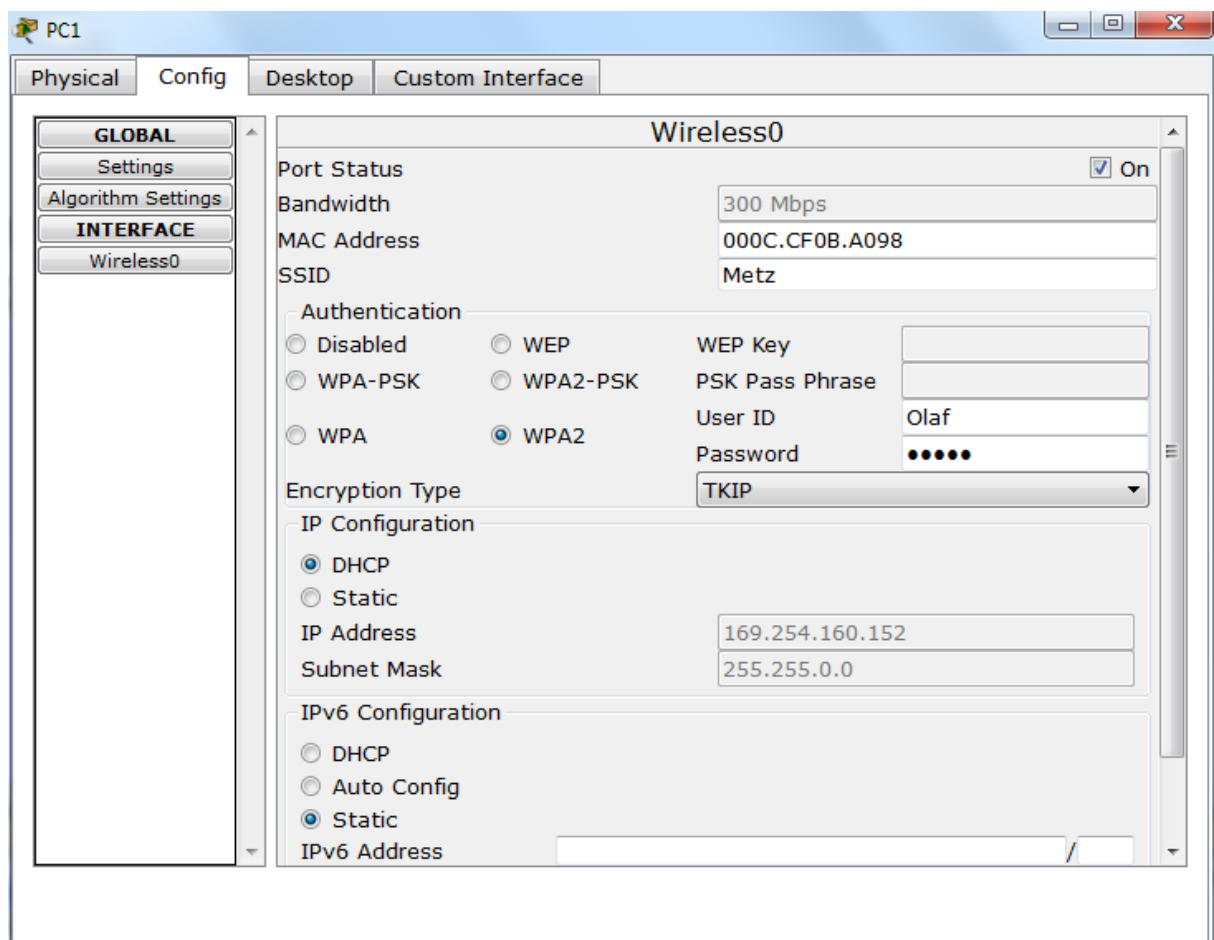
User Setup

Username  Password

	Username	Password	
1	Gregory	12345	<input type="button" value="Add"/> <input type="button" value="Save"/> <input type="button" value="Remove"/>
2	Olaf	12345	



### Configuration coté utilisateur :



Configuration coté Routeur :

Wireless Router0

Physical Config GUI

Wireless-N Broadband Router Firmware Version: v0.93.3 WRT300N

**Wireless** Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings Wireless Security Wireless MAC Filter Advanced Wireless Settings

**Wireless Security**

Security Mode: WPA2 Enterprise

Encryption: TKIP

RADIUS Server: 10 . 0 . 0 . 2

RADIUS Port: 1645

Shared Secret: azerty123

Key Renewal: 3600 seconds

Wireless Router0

Physical Config GUI

Wireless-N Broadband Router Firmware Version: v0.93.3 WRT300N

**Wireless** Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings Wireless Security Wireless MAC Filter Advanced Wireless Settings

**Basic Wireless Settings**

Network Mode: Mixed

Network Name (SSID): Metz

Radio Band: Auto

Wide Channel: Auto

Standard Channel: 1 - 2.412GHz

SSID Broadcast: ☒ Enabled ☐ Disabled

Help...

Wireless Router0

PhysicalConfigGUI

GLOBAL

Settings

Algorithm Settings

INTERFACE

Internet

LAN

Wireless

Wireless Settings

SSIDMetz

Channel1

Authentication

Disabled

WEP

WPA-PSK

WPA2-PSK

WPA

WPA2

WEP Key

PSK Pass Phrase

RADIUS Server Settings

IP Address10.0.0.2

Shared Secretazerty123

Encryption TypeTKIP