

## AULA: ACLs de Roteador Wireless

Criar a topologia Abaixo

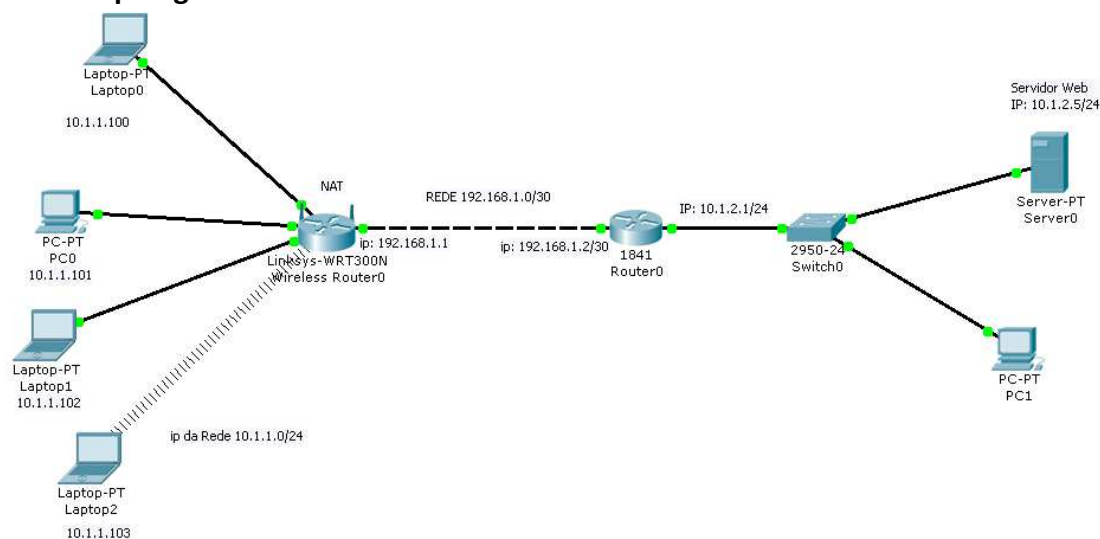
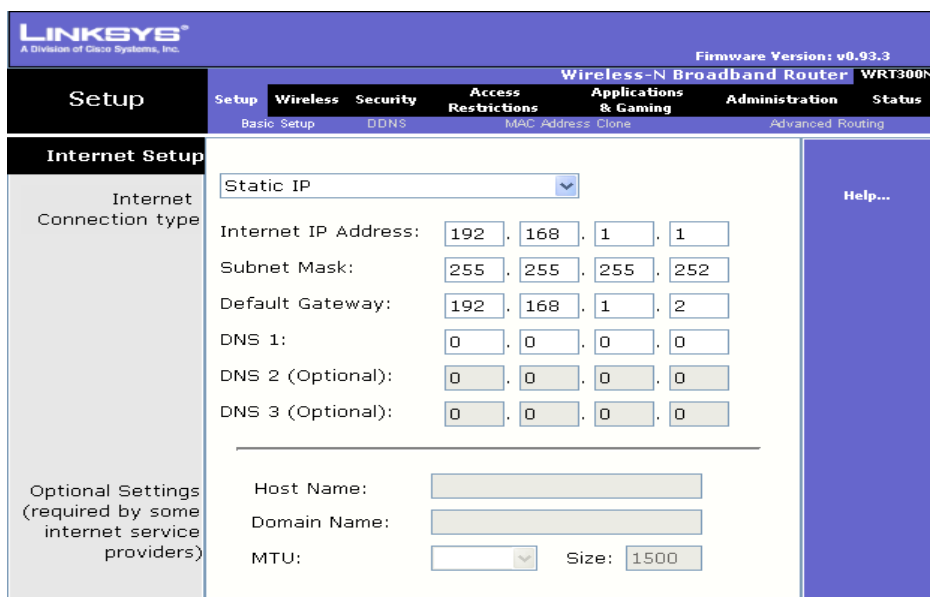


Figura 01: Topologia de Estudo

## Configurar o Roteador Wireless

A) Configurar a Interface de internet do Roteador Wireless

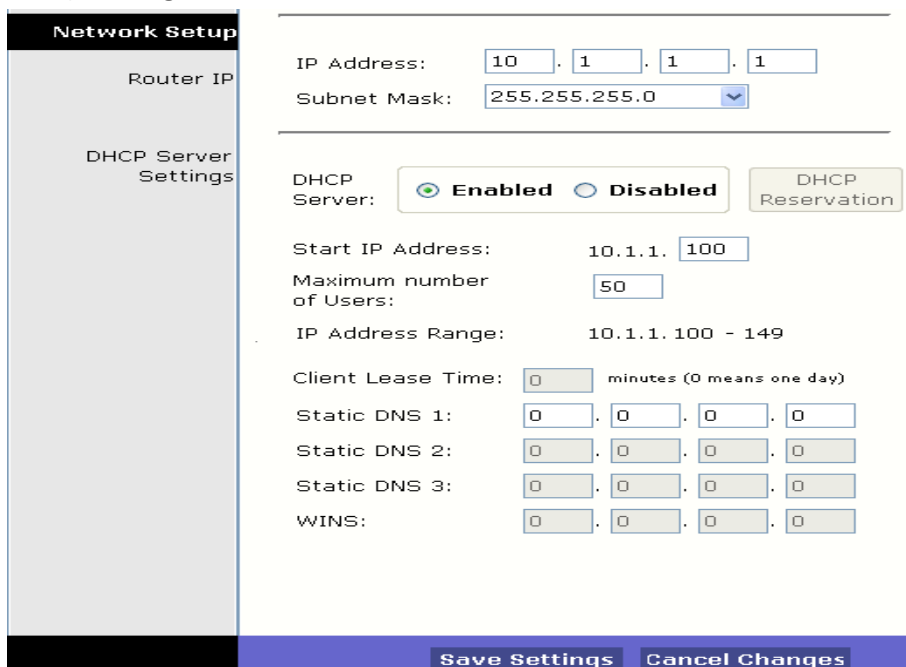


The screenshot shows the Linksys WRT300N configuration page. The 'Setup' tab is selected, and the 'Internet Setup' section is active. The 'Internet Connection type' is set to 'Static IP'. The configuration fields are as follows:

Field	Value
Internet IP Address	192.168.1.1
Subnet Mask	255.255.255.252
Default Gateway	192.168.1.2
DNS 1	0.0.0.0
DNS 2 (Optional)	0.0.0.0
DNS 3 (Optional)	0.0.0.0
Host Name	
Domain Name	
MTU	1500

Figura 02: Tela de Configuração da interface de Internet do Roteador Wireless

B) Configurar a Intranet do roteador Wireless



**Network Setup**

Router IP

DHCP Server Settings

IP Address: 10 . 1 . 1 . 1

Subnet Mask: 255.255.255.0

DHCP Server: ☒ Enabled ☐ Disabled DHCP Reservation

Start IP Address: 10.1.1. 100

Maximum number of Users: 50

IP Address Range: 10.1.1.100 - 149

Client Lease Time: 0 minutes (0 means one day)

Static DNS 1: 0 . 0 . 0 . 0

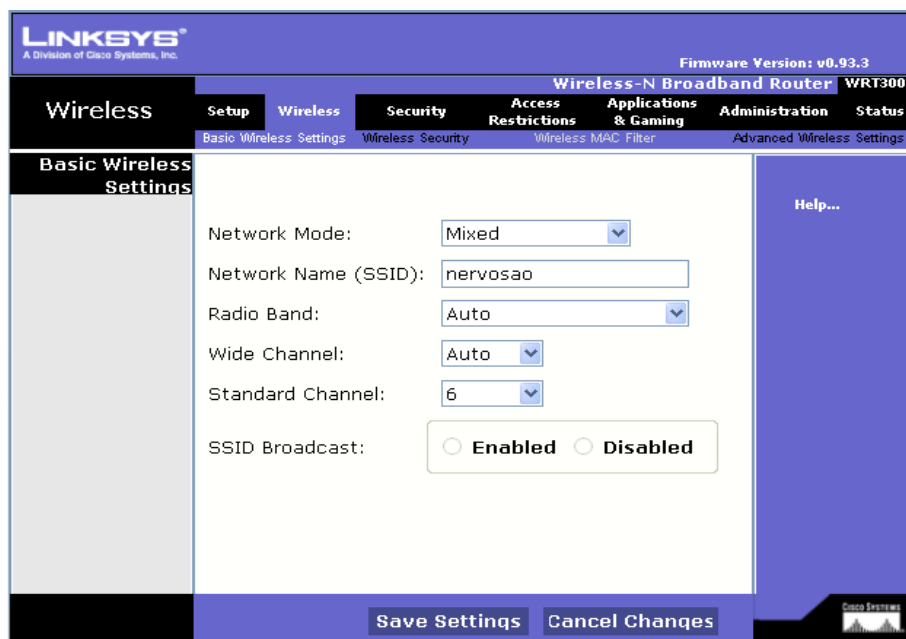
Static DNS 2: 0 . 0 . 0 . 0

Static DNS 3: 0 . 0 . 0 . 0

WINS: 0 . 0 . 0 . 0

**Save Settings** **Cancel Changes**

Figura 03: Tela de Configuração da intranet do Roteador Wireless



**LINKSYS**  
A Division of Cisco Systems, Inc.

Firmware Version: v0.93.3

**Wireless-N Broadband Router WRT300N**

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

Basic Wireless Settings Wireless MAC Filter Advanced Wireless Settings

**Basic Wireless Settings**

Network Mode: Mixed

Network Name (SSID): nervosao

Radio Band: Auto

Wide Channel: Auto

Standard Channel: 6

SSID Broadcast: ☒ Enabled ☐ Disabled

**Save Settings** **Cancel Changes**

Help...

Figura 04: Tela de Configuração de SSID

- Configurar o Roteador para rotear os pacotes entre as redes

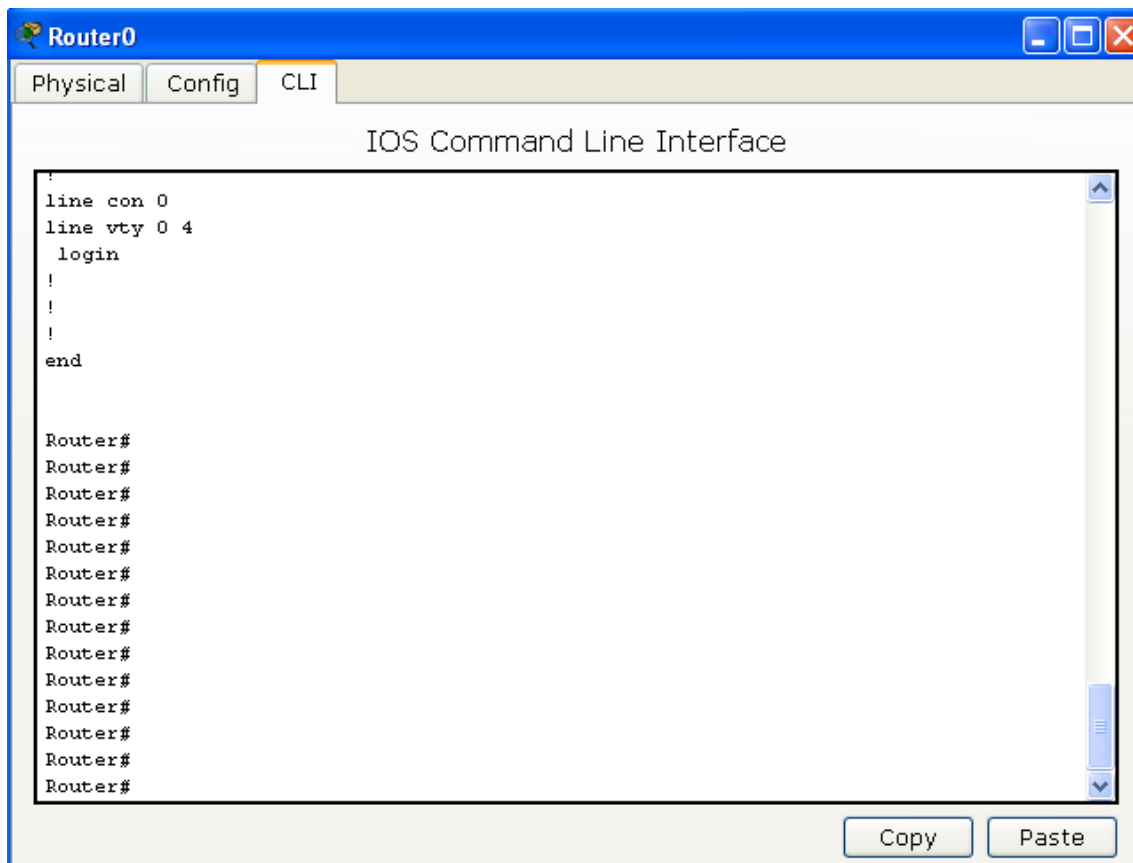


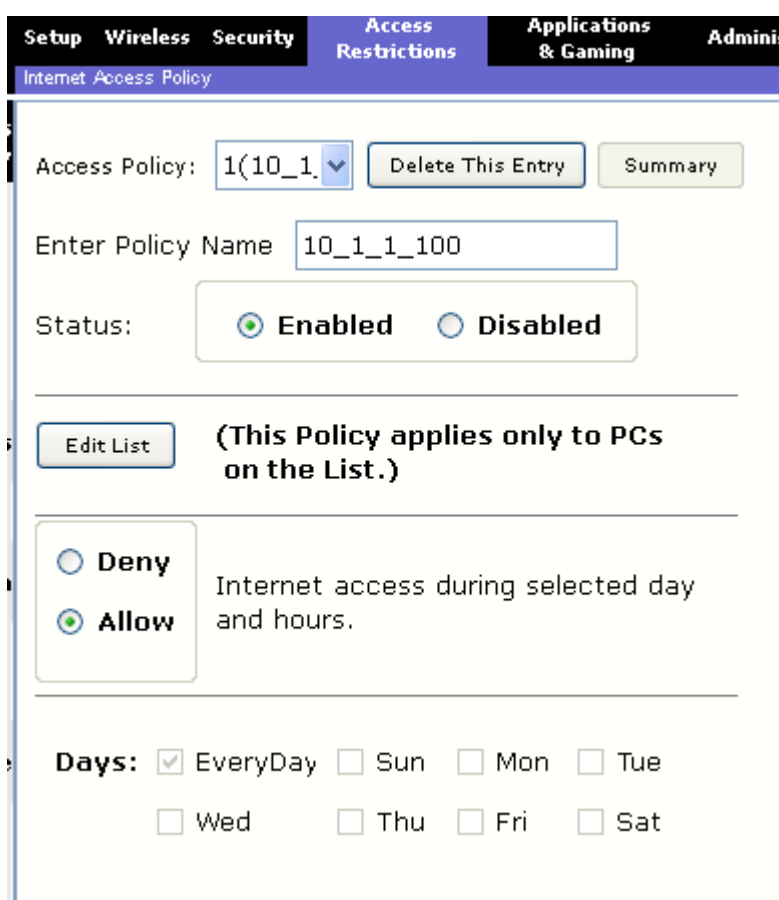
Figura 05: Acesso a CLI do Roteador

- Configuração básica do Roteador

```
Router>ena
Router#conf t
Router(config)# interface FastEthernet0/0
Router(config-if)# ip address 192.168.1.2 255.255.255.252
Router(config-if)# no shutdown
Router(config-if)# interface FastEthernet0/1
Router(config-if)# ip address 10.1.2.1 255.255.255.0
Router(config-if)# no shutdown
Router(config-if)#exit
Router(config)# ip route 192.168.1.0 255.255.255.252 192.168.1.1
Router(config)#exit
Router#copy running startup
```

## Configurar as ACLs

- Bloquear o Acesso ao protocolo HTTP, HTTPS e Telnet ao ip 10.1.1.100



Setup Wireless Security **Access Restrictions** Applications & Gaming Admini

Internet Access Policy

Access Policy: 1(10\_1\_1\_100) Delete This Entry Summary

Enter Policy Name 10\_1\_1\_100

Status: ☒ Enabled ☐ Disabled

Edit List (This Policy applies only to PCs on the List.)

☐ Deny ☒ Allow

Internet access during selected day and hours.

Days: ☒ EveryDay ☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

Figura 06: Acesso a interface de configuração a ACL

**Blocked Applications**

**Note:** only three applications can be blocked policy.

Applications		Blocked List
Ping(0-0) FTP(21-21) POP3(110-110) IMAP(143-143) SMTP(25-25) NNTP(119-119) SNMP(161-161) TFTP(69-69) IKE(500-500) DNS(53-53)	<div>&gt;&gt;</div> <div>&lt;&lt;</div>	HTTP(80-80) HTTPS(443-443) Telnet(23-23)

Application Name

Port Range

 to

Protocol

Add

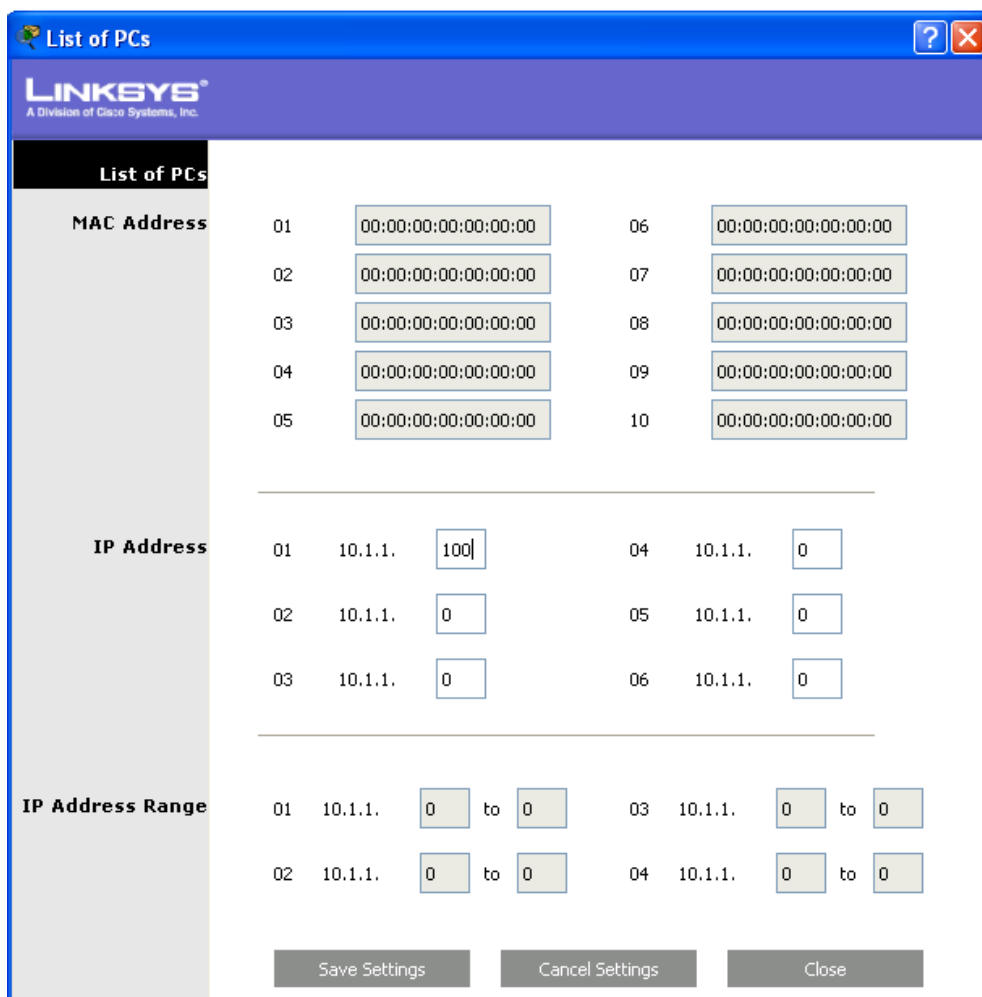
Modify

Delete

Save Settings

Cancel Changes

Figura 07: Lista de bloqueio aos protocolos



**List of PCs**

LINKSYS®  
A Division of Cisco Systems, Inc.

**List of PCs**

MAC Address	01	02	03	04	05	06	07	08	09	10
	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00	00:00:00:00:00:00

---

IP Address	01	02	03	04	05	06
10.1.1.100	10.1.1.0	10.1.1.0	10.1.1.0	10.1.1.0	10.1.1.0	10.1.1.0

---

IP Address Range	01	02	03	04
10.1.1.0 to 10.1.1.0	10.1.1.0 to 10.1.1.0	10.1.1.0 to 10.1.1.0	10.1.1.0 to 10.1.1.0	10.1.1.0 to 10.1.1.0

Save Settings Cancel Settings Close

Figura 08: Lista de Ips onde a regra será aplicada

## Exercícios

- Bloquear o Acesso do Ip 10.1.1.101 para os protocolos de Telnet e HTTPS
- Bloquear o Acesso do Ip 10.1.1.102 somente para o protocolo HTTP
- Bloquear o Acesso do Ip 10.1.1.103 para o protocolo de TFTP