

Adressage automatique en IPv6 SLAAC et DHCPv6

Adressage automatique en IPv6 : SLAAC et DHCPv6

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Préparation du labo

Equipements

1 Routeur (2911)

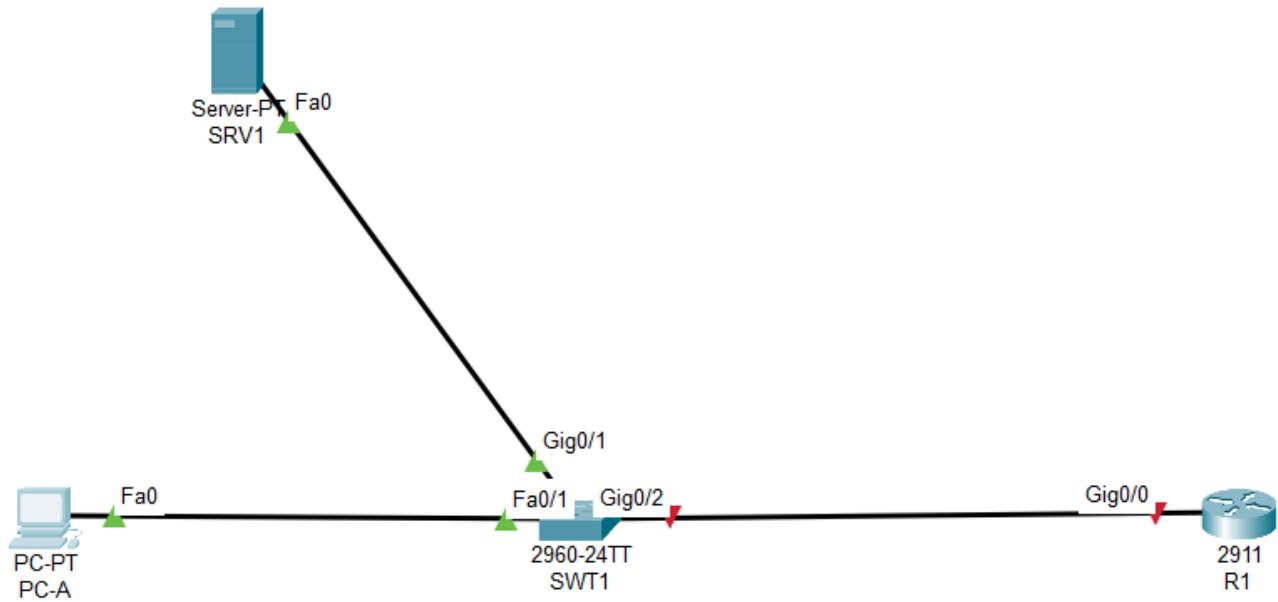
1 SWT (2960)

1 Server

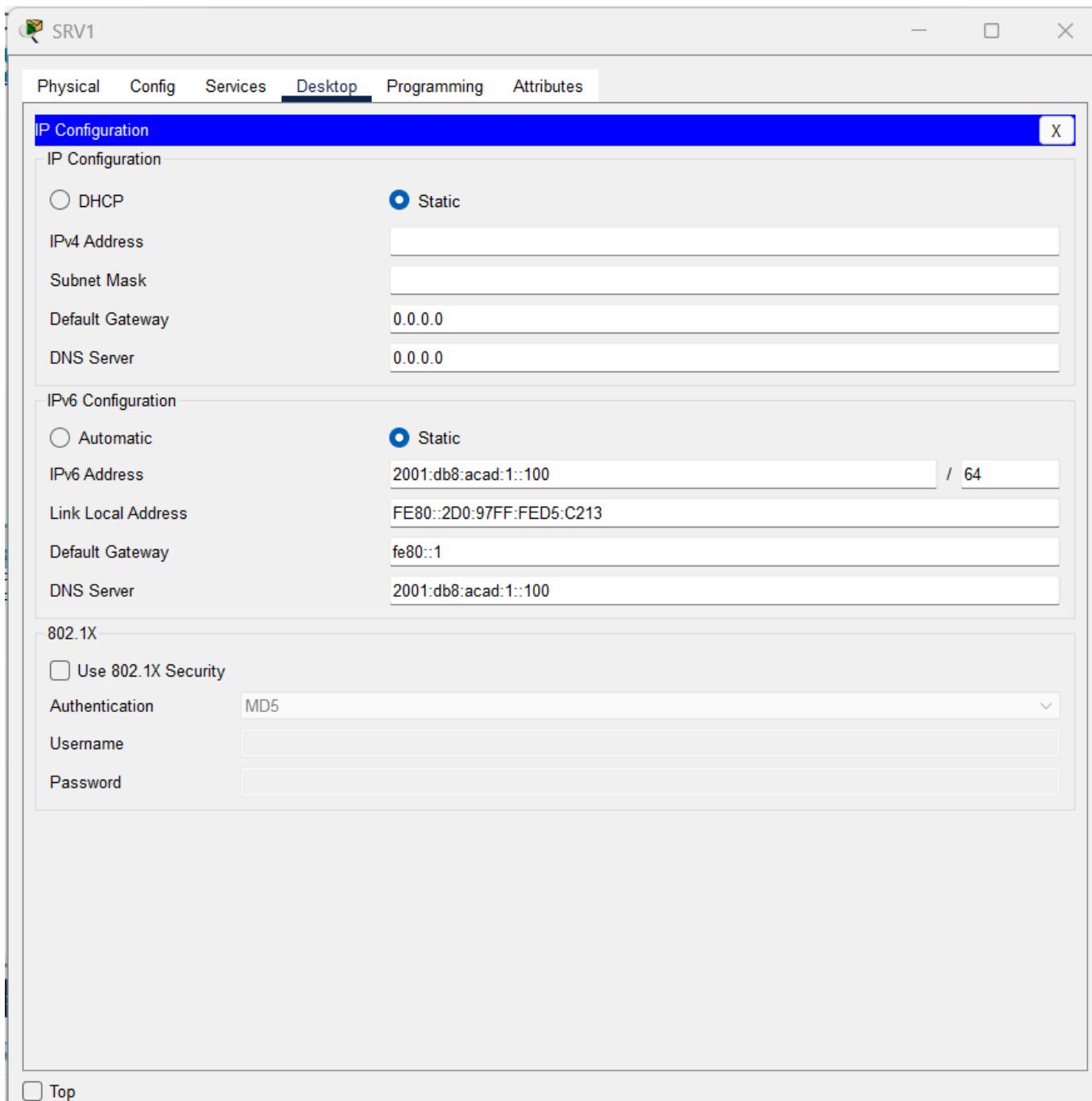
1 PC



Topologie



Adressage



Configuration du routeur (SLAAC seul)

```
interface GigabitEthernet0/0
 ipv6 address 2001:db8:acad:1::1/64
R1(config-if)#exit
R1(config)#interface GigabitEthernet0/0
R1(config-if)#ipv6 address 2001:db8:acad:1::1/64
R1(config-if)#no shut
```

Configuration SLAAC + DHCPv6 Stateless (Le meilleur des deux mondes)

The screenshot shows the Winbox interface for a device named 'SRV1'. The 'Services' tab is selected, and the 'DHCPv6' service is being configured. The 'Interface' is set to 'FastEthernet0'. The 'Service' status is 'On'. A modal window titled 'DHCPv6 Pool Config' is open, showing a pool named 'TEST1' with a DNS server of '2001:db8:acad:1::100' and a domain name of 'noob2pro.lab'. The 'Save' button is visible in the modal.

Sur le routeur

```
interface GigabitEthernet0/0
ipv6 nd other-config-flag
```

DHCPv6 Stateful (Le contrôle total)

Sur le Serveur

SRV1

Physical Config Services Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6**
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCPv6

Interface: FastEthernet0 Service: On

DHCPv6 Pool: TEST1

Pool List: TEST1 Create Pool Remove Pool

DNS Server: 2001:DB8:ACAD:1::100 Domain Name: noob2pro.lab

IPv6 Address Prefix

Prefix	Prefix Length	Valid Lifetime	Preferred Lifetime	
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IPv6 Prefix-Delegation

Prefix	DUID	Local Pool	Valid Lifetime	Preferred Lifetime	
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IPv6 Local Pool

Pool Name	Prefix	Prefix Length	
2001:db8:acad:1::10	2001:DB8:ACAD:1::10/64	53	

Sur le routeur

Supprimer l'ancien drapeaux

```
interface GigabitEthernet0/0
no ipv6 nd other-config-flag
R1(config)#interface GigabitEthernet0/0
R1(config-if)#no ipv6 nd other-config-flag
```

Ajouter le nouveau drapeaux

```
ipv6 nd managed-config-flag
```

```
R1(config-if)#ipv6 nd managed-config-flag  
R1(config-if)#exit
```