Network Overview

The configuration involves multiple network devices:

* 1 Router (ISR\_4331\_1)
* 3 Switches (Switch\_2960\_L\_1, Switch\_2960\_L\_2, Switch\_2960\_R\_1)

Router Configuration (ISR\_4331\_1)

IP Addressing

| **Interface** | **IP Address** | **Subnet Mask** |
| --- | --- | --- |
| GigabitEthernet0/0/0 | 192.168.1.1 | 255.255.255.0 |
| GigabitEthernet0/0/1 | 10.0.0.1 | 255.255.255.0 |

DHCP Pools

**LAN\_Left Pool**:

* Network: 192.168.1.0/24
* Default Router: 192.168.1.1
* Total Addresses: 254
* Leased Addresses: 10
* Excluded Addresses: 2

**LAN\_Right Pool**:

* Network: 10.0.0.0/24
* Default Router: 10.0.0.1
* Total Addresses: 254
* Leased Addresses: 10
* Excluded Addresses: 2

DHCP Bindings

IP address Hardware address Lease Type

10.0.0.11 00D0.BC7B.5B3D -- Automatic

10.0.0.17 00E0.F720.1B44 -- Automatic

10.0.0.14 000B.BED6.81A6 -- Automatic

10.0.0.13 0090.2B4E.383D -- Automatic

10.0.0.12 0030.A33E.E205 -- Automatic

10.0.0.18 000D.BDD8.A77E -- Automatic

10.0.0.20 00E0.A30C.47B8 -- Automatic

10.0.0.22 0001.4203.37B9 -- Automatic

10.0.0.23 0001.43CD.23A6 -- Automatic

10.0.0.21 000C.CF85.4DD9 -- Automatic

192.168.1.13 000A.4140.C836 -- Automatic

192.168.1.12 00E0.F98C.4AC9 -- Automatic

192.168.1.15 00E0.F930.B9CA -- Automatic

192.168.1.11 000B.BE65.7660 -- Automatic

192.168.1.14 0030.A321.CE97 -- Automatic

192.168.1.16 0004.9A6E.492D -- Automatic

192.168.1.17 0010.116C.BAC4 -- Automatic

192.168.1.18 0006.2A84.7488 -- Automatic

192.168.1.19 00D0.589C.77B0 -- Automatic

192.168.1.20 0001.42EE.033C -- Automatic

DHCP Pool

**Pool LAN\_Right :**

Utilization mark (high/low) : 100 / 0

Subnet size (first/next) : 0 / 0

Total addresses : 254

Leased addresses : 10

Excluded addresses : 2

Pending event : none

1 subnet is currently in the pool

Current index IP address range Leased/Excluded /Total

10.0.0.1 10.0.0.1 - 10.0.0.254 10 / 2 / 254

**Pool LAN\_Left :**

Utilization mark (high/low) : 100 / 0

Subnet size (first/next) : 0 / 0

Total addresses : 254

Leased addresses : 10

Excluded addresses : 2

Pending event : none

1 subnet is currently in the pool

Current index IP address range Leased/Excluded /Total

192.168.1.1 192.168.1.1 - 192.168.1.254 10 / 2 / 254

ISR\_4331\_1#

Switches Configuration

Switch IP Addresses

| **Switch Name** | **IP Address** |
| --- | --- |
| Switch\_2960\_L\_1 | 10.0.0.245 |
| Switch\_2960\_L\_2 | 10.0.0.246 |
| Switch\_2960\_R\_1 | 192.168.1.245 |

**Note**: All devices are managed by Mijs Bjorn ([12402765@student.pxl.be](mailto:12402765@student.pxl.be)) and have a legal notice banner warning against unauthorized access.