

Relatório de Testes – Atividade Avaliada 4

1. Tabela de Endereçamento IPv6

Rede 1

Endereço Rede	Máscara	Gatewat
F0C4:ABCD:A1:B1::1	/64	F0C4:ABCD:A1:B1::1
Dispositivo	Endereço IPv6	
PC3	F0C4:ABCD:A1:B1::2/64	
Laptop1	F0C4:ABCD:A1:B1::3/64	
Servidor1	F0C4:ABCD:A1:B1::4/64	
PC4	F0C4:ABCD:A1:B1::5/64	
PC5	F0C4:ABCD:A1:B1::6/64	

Rede 2

Endereço Rede	Máscara	Gatewat
F0C4:ABCD:B1:A1::1	/64	F0C4:ABCD:B1:A1::1
Dispositivo	Endereço IPv6	
PC0	F0C4:ABCD:B1:A1::2/64	
PC1	F0C4:ABCD:B1:A1::3/64	
PC2	F0C4:ABCD:B1:A1::4/64	
Laptop0	F0C4:ABCD:B1:A1::5/64	
Servidor0	F0C4:ABCD:B1:A1::6/64	

2.1) Teste entre dois equipamentos na Rede 1

Comando: ping F0C4:ABCD:A1:B1::3

Resultado: 4/4 pacotes recebidos, 0% perda. Tempo médio: 9 ms, TTL=127.

Análise: Conectividade excelente na Rede 1, com comunicação direta entre hosts.

```
Pinging F0C4:ABCD:A1:B1::3 with 32 bytes of data:

Reply from F0C4:ABCD:A1:B1::3: bytes=32 time=8ms TTL=128
Reply from F0C4:ABCD:A1:B1::3: bytes=32 time=4ms TTL=128
Reply from F0C4:ABCD:A1:B1::3: bytes=32 time=4ms TTL=128
Reply from F0C4:ABCD:A1:B1::3: bytes=32 time=4ms TTL=128

Ping statistics for F0C4:ABCD:A1:B1::3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 8ms, Average = 5ms

C:\>
```

2.2) Teste entre dois equipamentos na Rede 2

Comando: ping F0C4:ABCD:B1:A1::3

Resultado: 4/4 pacotes recebidos, 0% perda. Tempo médio: 5 ms, TTL=128.

Análise: Conectividade perfeita na Rede 2, com tráfego direto entre os dispositivos.

```
C:\>ping F0C4:ABCD:B1:A1::3

Pinging F0C4:ABCD:B1:A1::3 with 32 bytes of data:

Reply from F0C4:ABCD:B1:A1::3: bytes=32 time=8ms TTL=128
Reply from F0C4:ABCD:B1:A1::3: bytes=32 time=4ms TTL=128
Reply from F0C4:ABCD:B1:A1::3: bytes=32 time=4ms TTL=128
Reply from F0C4:ABCD:B1:A1::3: bytes=32 time=4ms TTL=128

Ping statistics for F0C4:ABCD:B1:A1::3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 8ms, Average = 5ms

C:\>
```

2.3) Teste entre dois equipamentos, um na Rede 1 e outro na Rede 2

Comando: ping F0C4:ABCD:B1:A1::2

Resultado: 4/4 pacotes recebidos, 0% perda. Tempo médio = 9 ms, TTL = 127.

Análise: Roteamento IPv6 funcionando corretamente — o pacote saiu de um host na Rede 1, passou pelo roteador e chegou ao host na Rede 2.

```
C:\> ping F0C4:ABCD:B1:A1::2

Pinging F0C4:ABCD:B1:A1::2 with 32 bytes of data:

Reply from F0C4:ABCD:B1:A1::2: bytes=32 time=12ms TTL=127
Reply from F0C4:ABCD:B1:A1::2: bytes=32 time=8ms TTL=127
Reply from F0C4:ABCD:B1:A1::2: bytes=32 time=8ms TTL=127
Reply from F0C4:ABCD:B1:A1::2: bytes=32 time=8ms TTL=127

Ping statistics for F0C4:ABCD:B1:A1::2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 8ms, Maximum = 12ms, Average = 9ms

C:\>
```

2.4) Teste para Gateway da Rede 2

Comando: ping F0C4:ABCD:B1:A1::1

Resultado: 4/4 pacotes recebidos, 0% perda. Tempo médio: 5 ms, TTL=255.

Análise: Roteador responde na interface da Rede 2 (Gateway IPv6 ativo e estável).

```
C:\> ping F0C4:ABCD:B1:A1::1

Pinging F0C4:ABCD:B1:A1::1 with 32 bytes of data:

Reply from F0C4:ABCD:B1:A1::1: bytes=32 time=9ms TTL=255
Reply from F0C4:ABCD:B1:A1::1: bytes=32 time=4ms TTL=255
Reply from F0C4:ABCD:B1:A1::1: bytes=32 time=4ms TTL=255
Reply from F0C4:ABCD:B1:A1::1: bytes=32 time=4ms TTL=255

Ping statistics for F0C4:ABCD:B1:A1::1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 9ms, Average = 5ms
```