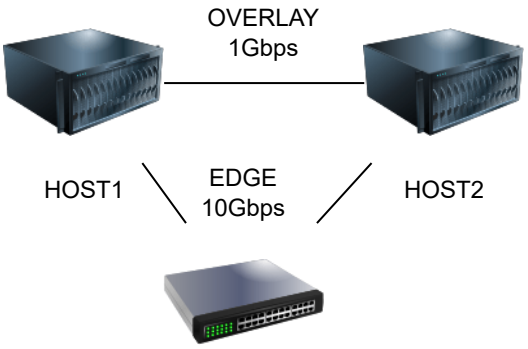
Capire overlay, edge e switch su Sangfor HCI

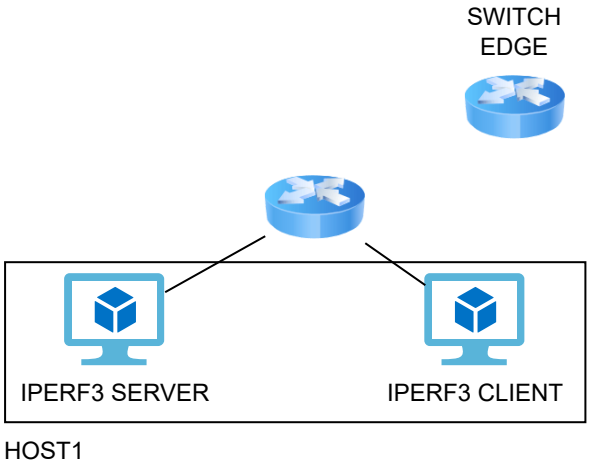
Scenario 1

> Rete di overlay - fisica 1Gbps - diretta tra i due nodi
> Rete edge - 10 Gbps su switch esterno



Caso 1

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host1 -> switch1 (non edge)

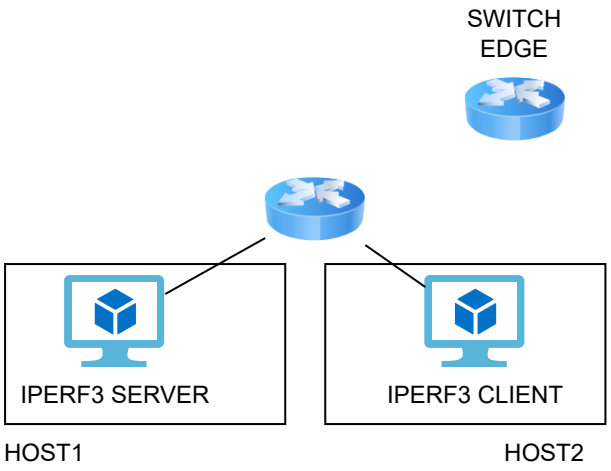


Risultato: 41 Gbps

Usa lo switch interno dell'host1

Caso 2

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host2 -> switch1 (non edge)

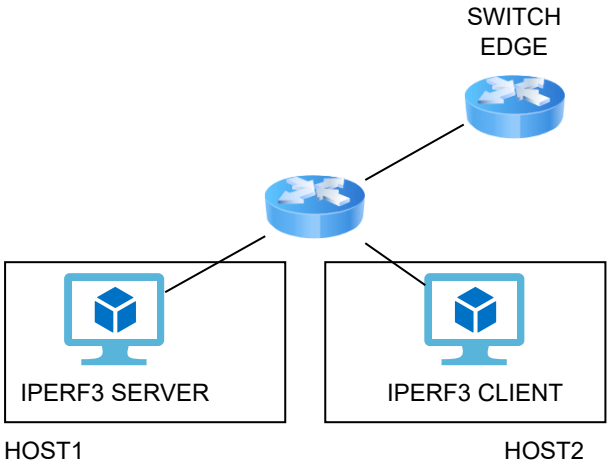


Risultato: 1 Gbps

Usa la network di overlay

Caso 3

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host2 -> switch1 (non edge)
switch1 -> switch edge



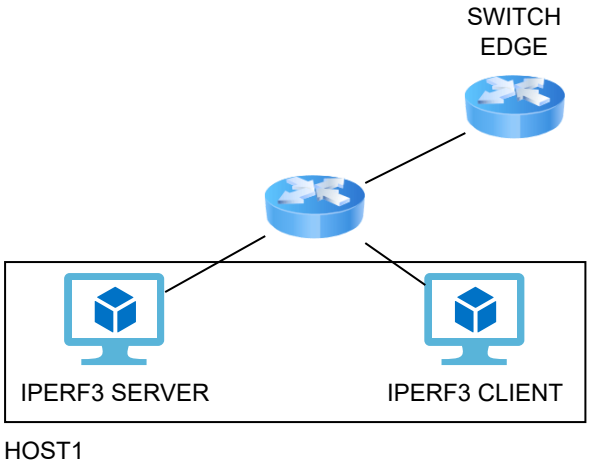
Risultato: 8.8 Gbps

Usa la network di edge

Caso 4

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host1 -> switch1 (non edge)

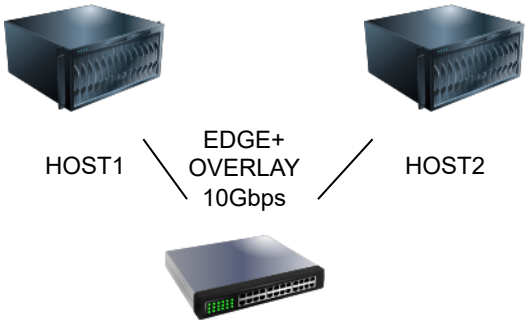
switch1 -> switch edge



> **Risultato: 43 Gbps**
>
> Usa lo switch interno dell'host1

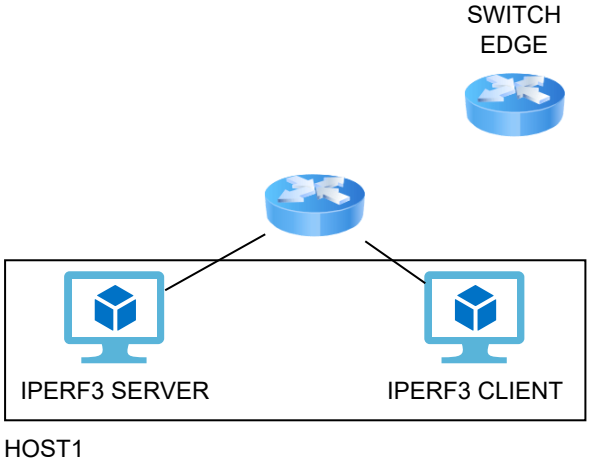
Scenario 2

> Rete di overlay - vxlan "sopra" di edge
> Rete edge - 10 Gbps su switch



Caso 1

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host1 -> switch1 (non edge)

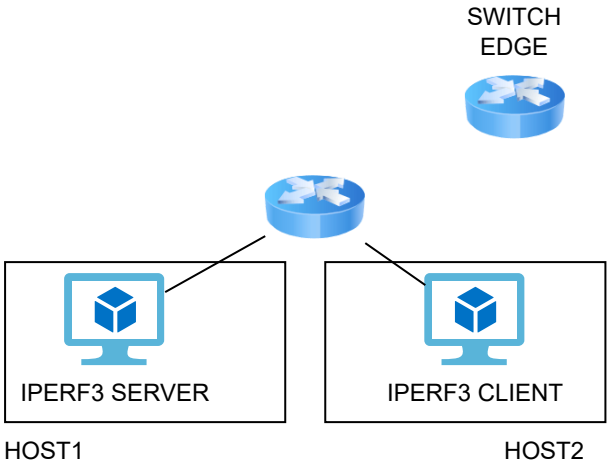


Risultato: 41 Gbps

Usa lo switch interno dell'host1

Caso 2

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host2 -> switch1 (non edge)

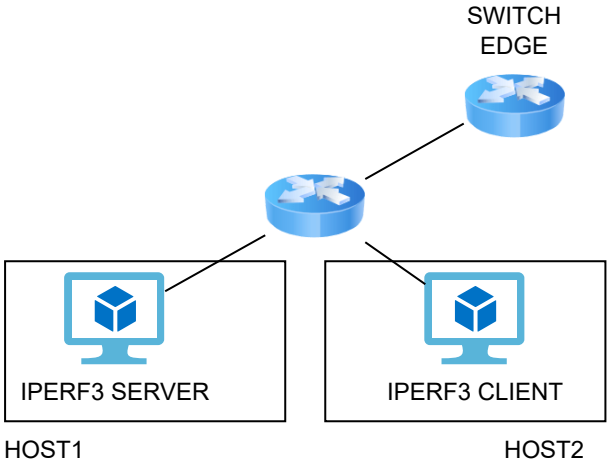


Risultato: 8.8 Gbps

Usa la network di overlay

Caso 3

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host2 -> switch1 (non edge)
switch1 -> switch edge

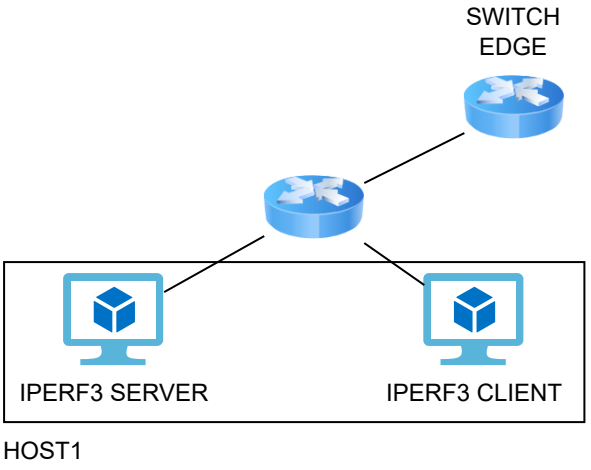


Risultato: 8.8 Gbps

Usa la network di edge

Caso 4

iperf-srv su host1 -> switch1 (non edge)
iperf-client su host1 -> switch1 (non edge)
switch1 -> switch edge



Risultato: 43 Gbps

Usa lo switch interno dell'host1

Scenario 3

Se NON installo le vmtools

In tutti i casi sempre e solo 0.7 Gbps