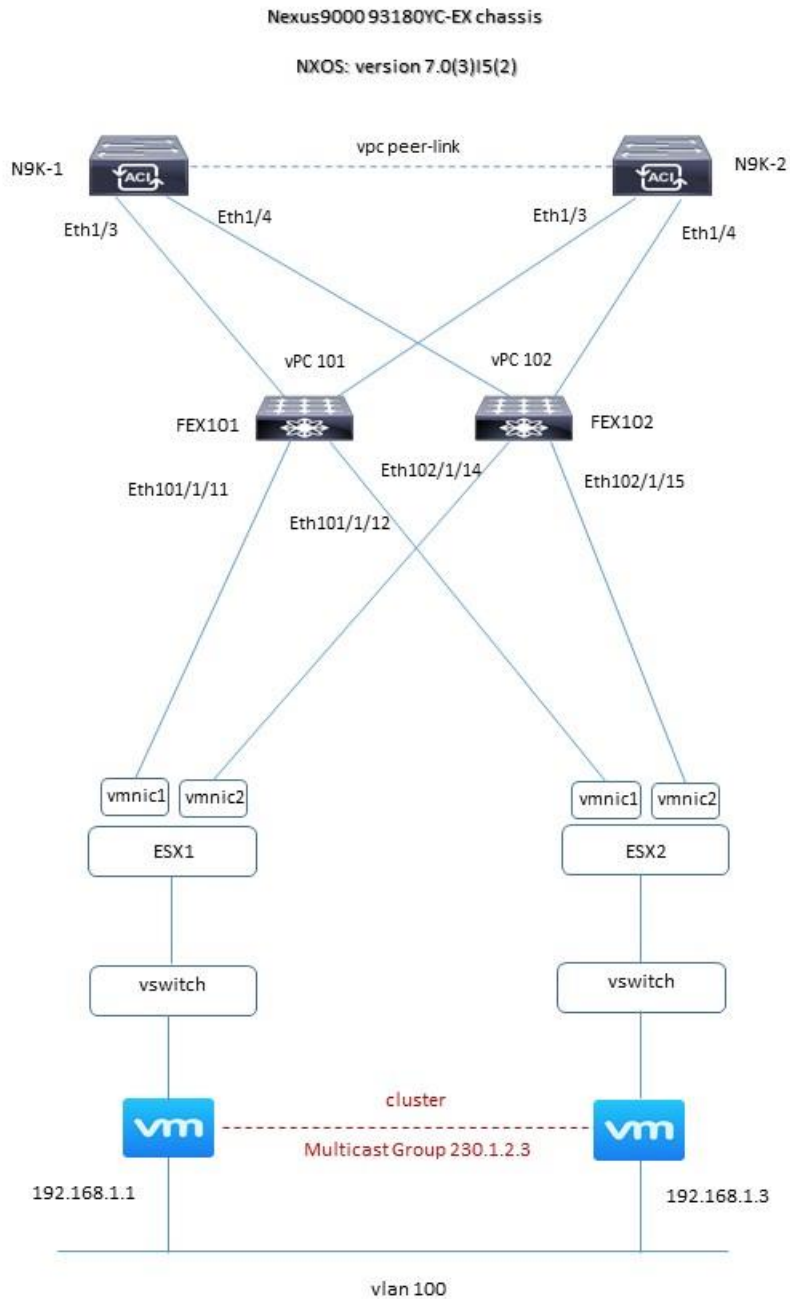


Questo documento mette in evidenza la configurazione necessaria per abilitare una comunicazione multicast tra due Virtual Machine (VM) vmware in cluster con una architettura computing costituita da due vswitch (No distributed switch) e due ESXI node differenti collegati ad un dominio di switching Nexus N9300-EX.

L'architettura di riferimento è la seguente:



Di seguito la configurazione da applicare (pagina 3)

CONFIGURAZIONE LAYER 2 NEXUS

```
interface Ethernet1/3
description to FEX 101 port eth 49
switchport
switchport mode fex-fabric
fex associate 101
channel-group 101
no shutdown
!
interface Ethernet1/4
description to FEX 102 port eth 49
switchport
switchport mode fex-fabric
fex associate 102
channel-group 102
no shutdown
!
interface port-channel101
switchport
switchport mode fex-fabric
fex associate 101
vpc 101
!
interface port-channel102
switchport
switchport mode fex-fabric
fex associate 102
vpc 102
!
interface Ethernet101/1/11
description VM1-ESX01-vmnic1
switchport mode trunk
switchport trunk allowed vlan 100
spanning-tree port type edge trunk
spanning-tree bpdufilter enable
no shutdown
!
interface Ethernet101/1/12
description VM2-ESX02-vmnic1
switchport mode trunk
switchport trunk allowed vlan 100
spanning-tree port type edge trunk
spanning-tree bpdufilter enable
no shutdown
!
interface Ethernet102/1/14
description VM1-ESX01-vmnic2
switchport mode trunk
switchport trunk allowed vlan 100
spanning-tree port type edge trunk
spanning-tree bpdufilter enable
no shutdown
!
interface Ethernet102/1/15
description VM2-ESX02-vmnic2
switchport mode trunk
switchport trunk allowed vlan 100
spanning-tree port type edge trunk
spanning-tree bpdufilter enable
no shutdown
```

CONFIGURAZIONE APPLICATA PER LA COMUNICAZIONE IGMP MULTICAST PER LE VM VMWARE CLUSTER

vlan configuration 100

ip igmp snooping querier 192.168.1.1

ip igmp snooping querier 192.168.1.3

```
N9K-1# sh ip igmp snooping vlan 100
IGMP Snooping information for vlan 100
IGMP snooping enabled
Lookup mode: IP
IGMP querier present, address: 192.168.1.1, version: 3
Querier interval: 125 secs
Querier last member query interval: 1 secs
Querier robustness: 2
Switch-querier enabled, address 192.168.1.1, currently running
IGMP Explicit tracking enabled
IGMPv2 Fast leave disabled
IGMPv1/v2 Report suppression enabled
IGMPv3 Report suppression disabled
Link Local Groups suppression enabled
Router port detection using PIM Hellos, IGMP Queries
Number of router-ports: 1
Number of groups: 2
VLAN vPC function enabled
Active ports:
  Po1 Eth101/1/11  Eth101/1/12  Eth102/1/14
  Eth102/1/15

Report Flooding: Disabled
Interfaces for Report Flooding: n/a
Use Group Address for Proxy Leaves: no
```