**BGP LAB1 CONFIGS GNS3**

**ISP1**

hostname ISP1

!

no ip domain lookup

ip cef

!

interface Loopback0

description ISP1 Internet Network

ip address 10.1.1.1 255.255.255.0

!

interface Loopback100

ip address 192.168.100.1 255.255.255.0

!

interface GigabitEthernet1/0

description ISP1 -> ITA

ip address 10.0.0.1 255.255.255.252

!

router bgp 200

bgp log-neighbor-changes

network 10.1.1.0 mask 255.255.255.0

neighbor 10.0.0.2 remote-as 100

neighbor 10.0.0.2 default-originate

!

**ITA**

hostname ITA

!

!

no ip domain lookup

ip cef

!

!

interface Loopback0

description Core router network link 1

ip address 192.168.0.1 255.255.255.0

!

interface Loopback1

description Core router network link 2

ip address 192.168.1.1 255.255.255.0

!

interface GigabitEthernet1/0

description ITA -> ISP1

ip address 10.0.0.2 255.255.255.252

!

interface GigabitEthernet2/0

description ITA -> ISP2

ip address 172.16.0.2 255.255.255.252

!

router bgp 100

bgp log-neighbor-changes

network 192.168.0.0

network 192.168.1.0

neighbor 10.0.0.1 remote-as 200

neighbor 10.0.0.1 distribute-list 1 out

neighbor 172.16.0.1 remote-as 300

neighbor 172.16.0.1 distribute-list 1 out

!

!

access-list 1 permit 192.168.0.0 0.0.1.255

!

**ISP2**

hostname ISP2

!

!

no ip domain lookup

ip cef

!

!

interface Loopback0

description ISP2 Internet Network

ip address 172.16.1.1 255.255.255.0

!

interface GigabitEthernet1/0

description ISP2 -> ITA

ip address 172.16.0.1 255.255.255.252

!

router bgp 300

bgp log-neighbor-changes

network 172.16.1.0 mask 255.255.255.0

neighbor 172.16.0.2 remote-as 100

!