

```
Conf t
Interface loopback0
Description loopback
Ip ospf area 0.0.0.0
!
Router ospf 1
Router-id 10.29.0.4
Auto-cost reference-bandwidth 100000
Passive-interface default
No passive-interface Ethernet 2-3
!
Interface ethernet 2-3
Ip ospf network point-to-point
Ip address unnumbered Loopback0
Ip ospf area 0.0.0.0
Ip ospf authentication message-digest
Ip ospf message digest-key 1 sha512 lab123!
!
!Interface Ethernet 4
!Ip ospf area 0.0.0.0
!
R1
Router bgp
Router bgp 1029
Bgp log-neighbour-changes
Neighbor IBGP peer group
Neighbor IBGP remote-as 1029
Neighbor IBGP update-source Loopback0
Neighbor 10.29.0.2 peer group IBGP
```

Neighbor 10.29.0.3 peer group IBGP

Neighbor 10.29.0.4 peer group IBGP

Step2

Interface eth 1

R1

Ip address 100.64.1.46/24

Pinggaa 100.64.1.46

Router bgp 1029

Neighbor 100.64.1.2 remote-as 1429

Neighbor 100.64.1.2 password lab123!

Neighbor 100.64.1.2 ttl maximum hops 1

Mainosta

Router bgp 1029

Network 10.29.1.0/24

Router bgp 1029

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R2

Ip address 100.64.2.46/24

Pinggaa 100.64.2.46

Router bgp 1029

Neighbor 100.64.1.2 remote-as 1429

Neighbor 100.64.1.2 password lab123!

Neighbor 100.64.1.2 ttl maximum hops 1

Mainosta

Router bgp 1029

Network 10.29.2.0/24

R4

Neighbor 10.29.0.1 peer group IBGP

Neighbor 10.29.0.2 peer group IBGP

Neighbor 10.29.0.3 peer group IBGP

Viimeinen silaus

Ip route 10.29.0.0/21 Null0

Router bgp 1029

Network 10.29.0.0/21