

The routing table in the core switch

Calico Node IPs - Used for Overlay network (kubernetes: NodeInternalIP) - uses the IPs based on Kubernetes API

```
spec:
calicoNetwork:
bgp: Enabled
hostPorts: Enabled
ipPools:
- blockSize: 26
cidr: 10.48.0.0/16
encapsulation: IPIP
nattOutgoing: Enabled
nodeSelector: all()
linuxDataplane: Iptables
multiInterfaceMode: None
nodeAddressAutodetectionV4:
kubernetes: NodeInternalIP

. volume to the second of the
```

```
root@control01:-# /calicoctl get nodes control01 -o yaml pptVersion: projectcalico.org/v3
kind: Node
metadata:
annotations:
projectcalico.org/kube-labels: '{"beta.kubernetes.io/arch":"o
creationTimestamp: "2022-12-07703:20:512"
labels:
beta.kubernetes.io/arch: and64
beta kubernetes.io/arch: and64
beta kubernetes.io/arch: and64
kubernetes.io/arch: and64
kubernetes.io/arch: and64
kubernetes.io/ors: linux
node-role.kubernetes.io/control-plane: ""
node-cole.kubernetes.io/ossiname: control01
kubernetes.io/ossiname: control01
resounceVersion: "17652"
uid: f740ecf5-623e-4462-0480-c5f9d3b7ac01
spec:
addresses:
- address: 10.0.0.251/24
type: CalicoNodeIP
address: 10.0.0.251/24
type: InternalIP
bgp:
ipv4Address: 10.0.0.251/24
typ4IPIPInunelAddr: 10.48.232.0
orchRefs:
- nodeName: control01
orchestrator: k8s
status:
podCIDRs:
- 10.48.0.0/24
root@control01:-# "root@control01:-#"
rooteControl01:-# "./calicocd
aptVersion: projectcalico.or
kind: Node
metadata:
annotations:
pro
```

```
root@control01:-# /calicoctl get nodes worker1 -o yaml
piversion: projectcalico.org/v3
nd: Node
stedadta:
annotations:
projectcalico.org/kube-labels: '{"beta.kubernetes.io/arch":"a
projectcalico.org/kube-labels: '{"beta.kubernetes.io/arch":
annotations:
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annotations:
projectcalico.org/kube-labels: '{"beta.kubernetes.io/arch":
annotations:
annotations:
projectcalico.org/v3
kind: Node
metadata:
annotations:
annotations:
projectcalico.org/v3
kind: Node
metadata:
annotations:
annotations:
annotations:
projectcalico.org/v3
kind: Node
metadata:
annotations:
annotations:
annotations:
projectcalico.org/v3
kind: Node
metadata:
annotations:
annota
```

BGPPeer configuration

```
apiVersion: projectcalico.org/v3
kind: BGPPeer
metadata:
name: core-switch
spec:
peerIP: 192.168.1.1
asNumber: 65010
nodeSelector: (!has(node-role.kubernetes.io/master))
sourceAddress: None
root@control01:~#
```

BGPConfiguration

```
apiVersion: projectcalico.org/v3
kind: BGPConfiguration
netadata:
name: default
spec:
 logSeverityScreen: Info
 nodeToNodeMeshEnabled: true
 asNumber: 63400
 serviceClusterIPs:
 - cidr: 10.96.0.0/12
 communities:
 - name: bgp-large-community
   value: 63400:300:100
 prefixAdvertisements:
  - cidr: 10.48.0.0/16
   communities:
   - bgp-large-community
   - 63400:120
```

IPPool Configuration

```
kind: IPPool
metadata:
creationTimestamp: "2022-12-07T03:
name: default-ipv4-ippool
resourceVersion: "1217"
uid: ea767c9b-29a4-458b-bb6e-6981b
spec:
allowedUses:
- Workload
- Tunnel
blockSize: 26
cidr: 10.48.0.0/16
ipipMode: Always
natOutgoing: true
nodeSelector: all()
vxlanMode: Never
root@control01:~#
```

BGP Peers - Master Node

BGP Peers - Worker 01

BGP Peers - Worker 02