

```
resource "aws_lb" "k8s_nlb" {  
  
    name          = "k8s-nlb"  
  
    internal      = false  
  
    load_balancer_type = "network"  
  
    subnets      = [aws_subnet.main.id, aws_subnet.main2.id]  
  
    enable_deletion_protection = false  
  
}
```

# Define a listener for the NLB

```
resource "aws_lb_listener" "front_end" {  
  
    load_balancer_arn = aws_lb.k8s_nlb.arn  
  
    protocol      = "TCP"  
  
    port          = "80"  
  
    default_action {  
  
        type      = "forward"  
  
        target_group_arn = aws_lb_target_group.k8s_tg.arn  
  
    }  
  
}
```

# Define a target group for the NLB that points to your K8s service NodePort

```
resource "aws_lb_target_group" "k8s_tg" {  
  
    name    = "k8s-tg"  
  
    port    = 30000 # Example NodePort  
  
    protocol = "TCP"
```

```
vpc_id = aws_vpc.main.id
```

```
health_check {
```

```
    protocol = "TCP"
```

```
    port     = "traffic-port"
```

```
}
```

```
}
```