

It creates a Load balancer and also a target group

Target groups (3) <a href="#">Info</a>							
	Name	ARN	Port	Protocol	Target type	Load balancer	VPC ID
<input type="checkbox"/>	dep6mainEC2	arn:aws:elasticloadbalancing:us-east-2:123456789012:targetgroup/dep6mainEC2/1234567890123456	8080	HTTP	Instance	-	vpc-bfba24d4
<input type="checkbox"/>	jenkins-target-group	arn:aws:elasticloadbalancing:us-east-2:123456789012:targetgroup/jenkins-target-group/1234567890123456	8080	HTTP	Instance	-	vpc-bfba24d4
<input type="checkbox"/>	k8s-default-nginxser-ta101ac052	arn:aws:elasticloadbalancing:us-east-2:123456789012:targetgroup/k8s-default-nginxser-ta101ac052/1234567890123456	31413	HTTP	Instance	k8s-default-simplein-e6802a9da4	vpc-0400e206dafe0fe46

As you can see its ready to be deployed

```
PS C:\Users\Bishajit\Desktop\nginx-assignment> kubectl get all
NAME                               READY   STATUS    RESTARTS   AGE
pod/sample-app-5f7fdb8854-8ttw2   1/1     Running   0          47s
pod/sample-app-5f7fdb8854-jktrc   1/1     Running   0          47s

NAME                           TYPE      CLUSTER-IP      EXTERNAL-IP      PORT(S)      AGE
service/kubernetes             ClusterIP   10.100.0.1    <none>        443/TCP     73m
service/nginx-service-nodeport   NodePort    10.100.194.68  <none>        80:31413/TCP  47s

NAME                           READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/sample-app     2/2     2           2           47s
```

```
PS C:\Users\Bishajit\Desktop\nginx-assignment> kubectl describe ingress.networking.k8s.io
Name:           simple-ingress
Namespace:      default
Address:        k8s-default-simplein-e6802a9da4-943971323.us-east-2.elb.amazonaws.com
Default backend: default-http-backend:80 (<error: endpoints "default-http-backend" not found>)
Rules:
  Host      Path  Backends
  ----      ---   -----
  *
        /  nginx-service-nodeport:80 (192.168.29.235:80,192.168.62.189:80)
Annotations:  alb.ingress.kubernetes.io/scheme: internet-facing
              alb.ingress.kubernetes.io/target-type: instance
              kubernetes.io/ingress.class: alb
Events:
  Type      Reason            Age   From      Message
  ----      ----            --   --       --
  Normal   SuccessfullyReconciled  14m  ingress  Successfully reconciled
```

If you use the arn link it should take you to the app

Name	DNS name	State	VPC ID	Availability Zones	Type
k8s-default-simplein-e6802a...	k8s-default-simplein-e6802a...	Active	vpc-0400e206dafe0fe46	us-east-2b, us-east-2a...	application

Load balancer: k8s-default-simplein-e6802a9da4

Description    Listeners    Monitoring    Integrated services    Tags

**Basic Configuration**

Name	k8s-default-simplein-e6802a9da4
ARN	arn:aws:elasticloadbalancing:us-east-2:323867645900:loadbalancer/app/k8s-default-simplein-e6802a9da4/eb7561d2a8eb1cb2
DNS name	k8s-default-simplein-e6802a9da4-943971323.us-east-2.elb.amazonaws.com (A Record)
State	Active

Welcome to nginx!

Not secure | k8s-default-simplein-e6802a9da4-943971323.us-east-2.elb.amazonaws.com

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## Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org). Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*