Step 1

Go to Releases, and copy the link to current recommended release.

https://docs.paloaltonetworks.com/content/techdocs/en_US/prisma/prisma-cloud/20-04/prisma-cloud-compute-edition-admin/welcome/releases.html

You will need an access token like this:

9r3206kjz0gz12esgb8gwlpf5r0czvag - SHOULD HAVE A PRISMA CLUD COMPUTE TRIAL

Step 2

Download the release tarball to your cluster controller.

$ wget <LINK_TO_CURRENT_RECOMMENDED_RELEASE_LINK>

Example:
$ wget https://cdn.twistlock.com/releases/f7371a8b/prisma_cloud_compute_edition_20_09_345.tar.gz

```
[root@master-node lcastro]#  wget https://cdn.twistlock.com/releases/6e6c2d6a/prisma_cloud_compute_edition_20_04_163.tar.gz
--2020-03-14 21:26:40--  https://cdn.twistlock.com/releases/6e6c2d6a/prisma_cloud_compute_edition_20_04_163.tar.gz
Resolving cdn.twistlock.com (cdn.twistlock.com)... 35.190.81.178
Connecting to cdn.twistlock.com (cdn.twistlock.com)|35.190.81.178|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 893128120 (852M) [application/x-gzip]
Saving to: 'prisma_cloud_compute_edition_20_04_163.tar.gz'

 0% [                                                                                ] 3,584,145    280KB/s  eta 49m 43s
```

Unpack the release tarball.

$ mkdir twistlock

$ tar xvzf prisma_cloud_compute_edition_<VERSION>.tar.gz -C twistlock/

$ tar xvzf prisma_cloud_compute_edition_20_04_163.tar.gz -C twistlock/

```
[root@master-node lcastro]# tar xvzf prisma_cloud_compute_edition_20_04_163.tar.gz -C twistlock/
eula_red_hat_universal_base_image.pdf
tar: eula_red_hat_universal_base_image.pdf: time stamp 2020-04-05 10:33:19 is 1859337.52642438 s in the future
linux/
linux/twistcli
tar: linux/twistcli: time stamp 2020-04-05 10:33:19 is 1859337.17666573 s in the future
osx/
tar: linux: time stamp 2020-04-05 10:33:19 is 1859337.176565892 s in the future
osx/twistcli
tar: osx/twistcli: time stamp 2020-04-05 10:33:20 is 1859337.864741603 s in the future
prisma-cloud-jenkins-plugin.hpi
tar: osx: time stamp 2020-04-05 10:33:19 is 1859336.864611589 s in the future
tar: prisma-cloud-jenkins-plugin.hpi: time stamp 2020-04-05 10:33:19 is 1859336.539092488 s in the future
twistlock.cfg
tar: twistlock.cfg: time stamp 2020-04-05 10:33:16 is 1859333.538970992 s in the future
twistlock_console.tar.gz
tar: twistlock_console.tar.gz: time stamp 2020-04-05 10:22:00 is 1858651.007903453 s in the future
twistlock-oss-licenses.pdf
tar: twistlock-oss-licenses.pdf: time stamp 2020-04-05 10:33:19 is 1859330.001372996 s in the future
twistlock.sh
tar: twistlock.sh: time stamp 2020-04-05 10:33:16 is 1859327.000718605 s in the future
version.txt
tar: version.txt: time stamp 2020-04-05 10:33:19 is 1859330.000658648 s in the future
windows/
windows/twistcli.exe
tar: windows/twistcli.exe: time stamp 2020-04-05 10:33:20 is 1859330.763935653 s in the future
tar: windows: time stamp 2020-04-05 10:33:20 is 1859330.761694312 s in the future
```

On your cluster controller, navigate to the directory where you downloaded and extracted the Prisma Cloud release tarball.

Step 3

Generate a YAML configuration file for Console, where <PLATFORM> can be linux or osx.

The following command saves twistlock_console.yaml to the current working directory.

If needed, you can edit the generated YAML file to modify the default settings.

$ <PLATFORM>/twistcli console export kubernetes --service-type **NodePort**

Example

$ osx/twistcli console export kubernetes --service-type NodePort

Validate **twistlock_console.yaml** contains NodePort as follows:

```
apiVersion: v1
kind: Service
metadata:
  labels:
    name: console
  name: twistlock-console
  namespace: twistlock
spec:
  ports:
  - name: communication-port
    port: 8084
  - name: management-port-https
    port: 8083
  - name: mgmt-http
    port: 8081
  selector:
    name: twistlock-console
  type: NodePort
```

Step 4

Deploy Console

$ kubectl create -f twistlock_console.yaml

Wait for the service to come up completely.

$ kubectl get service -w -n twistlock

Get the endpoint address for Console.

$ kubectl get service -o wide -n twistlock

Validate the NodePort and the Port that is listening for 8083

Example, in this case is port 30960

```
SJCMAC17JJHD4:~ lcastro$ kubectl get svc -n twistlock
NAME                TYPE       CLUSTER-IP      EXTERNAL-IP   PORT(S)                                        AGE
twistlock-console   NodePort   10.109.66.112   <none>        8084:30106/TCP,8083:30960/TCP,8081:32290/TCP   33d
```

Open a browser window, and navigate to Console.

Get the node IP address

$ kubectl get nodes -o wide

```
SJCMAC17JJHD4:~ lcastro$ kubectl get nodes -o wide
NAME       STATUS   ROLES    AGE   VERSION   INTERNAL-IP      EXTERNAL-IP   OS-IMAGE           KERNEL-VERSION   CONTAINER-RUNTIME
minikube   Ready    master   80d   v1.14.2   192.168.99.101   <none>        Buildroot 2018.05   4.15.0           docker://18.9.6
```

Example in this case:

Node IP address: 192.168.99.101

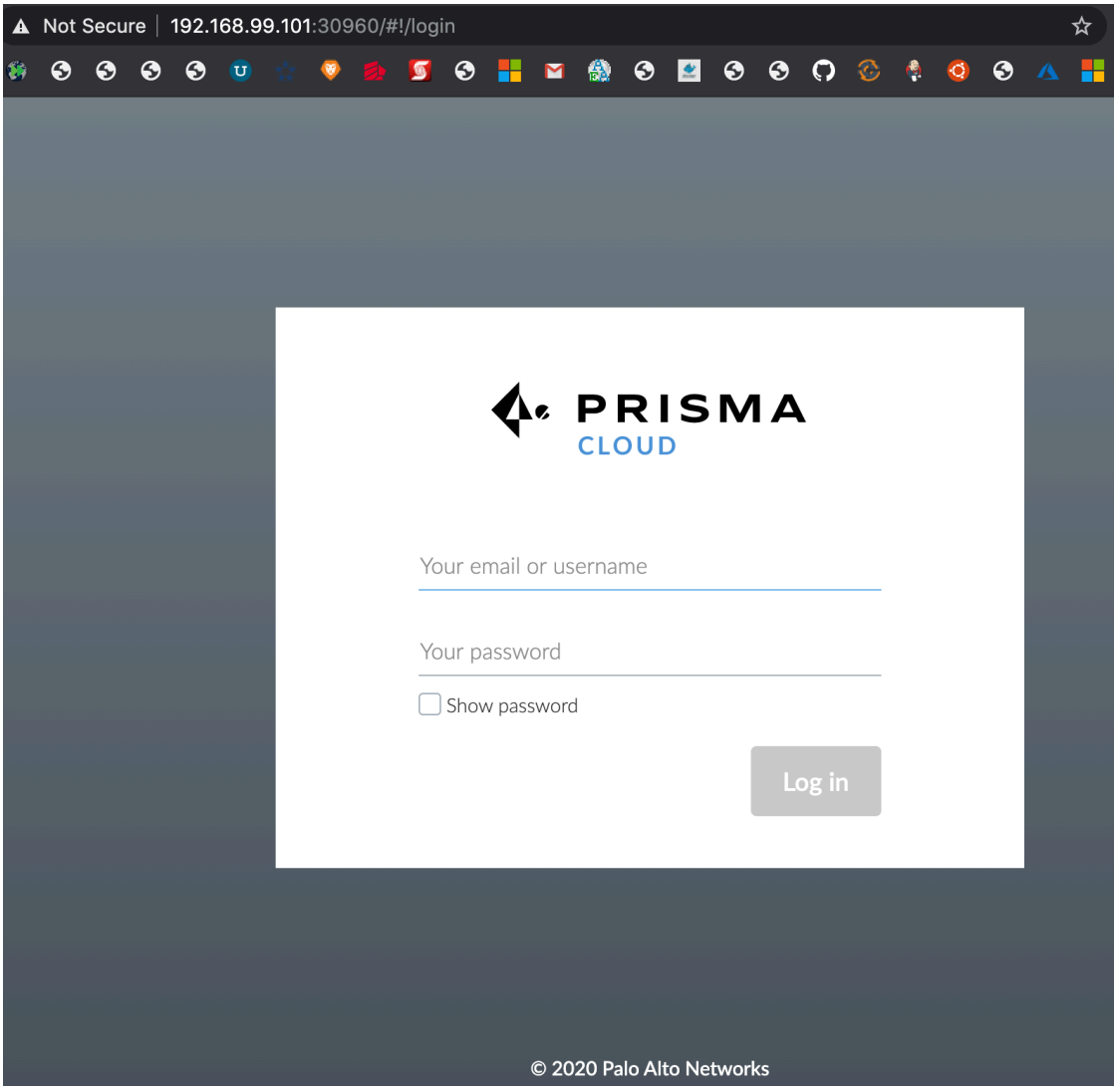
https://192.168.99.101:30960

Step 5

For example, go to https://yourconsole.example.com:<NodePort>

Create your first admin user.

Enter your Prisma Cloud license key.



Install

Step 6

Install the Defender

The following command directs Defender to connect to Console using its service name.

Use it for deploying a Defender DaemonSet inside a cluster.

```
$ <PLATFORM>/twistcli defender export kubernetes \
  --address https://yourconsole.example.com:<node_port> \
  --user <ADMIN_USER> \
  --cluster-address twistlock-console
```

<PLATFORM> can be linux or osx.

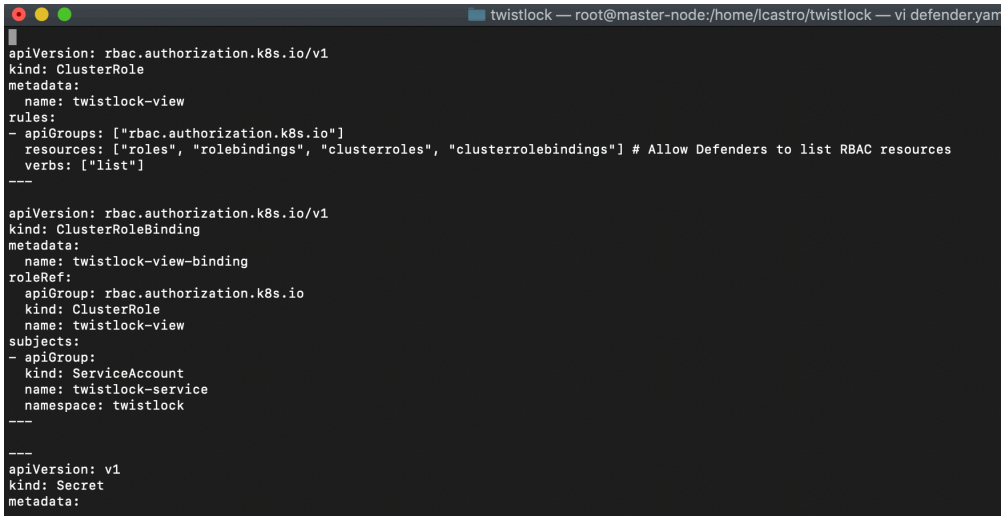
<ADMIN_USER> is the name of the initial admin user you just created.

Example:

```
$ osx/twistcli defender export kubernetes \
  --address https://yourconsole.example.com:<NodePort:Port> \
  --user lcastro@paloaltonetworks.com \
  --cluster-address twistlock-console
```

Deploy the Defender DaemonSet.

$ kubectl create -f defender.yaml



$ kubectl get pods -n twistlock

```
SJCMAC17JJHD4:twistlock lcastro$ kubectl get pod -n twistlock
NAME                                  READY   STATUS    RESTARTS   AGE
twistlock-console-5c8598d74-2rqq8     1/1     Running   12         65d
twistlock-defender-ds-q87zn           1/1     Running   7          28d
```