

Step 1 : Clone the git repo for All-In-One

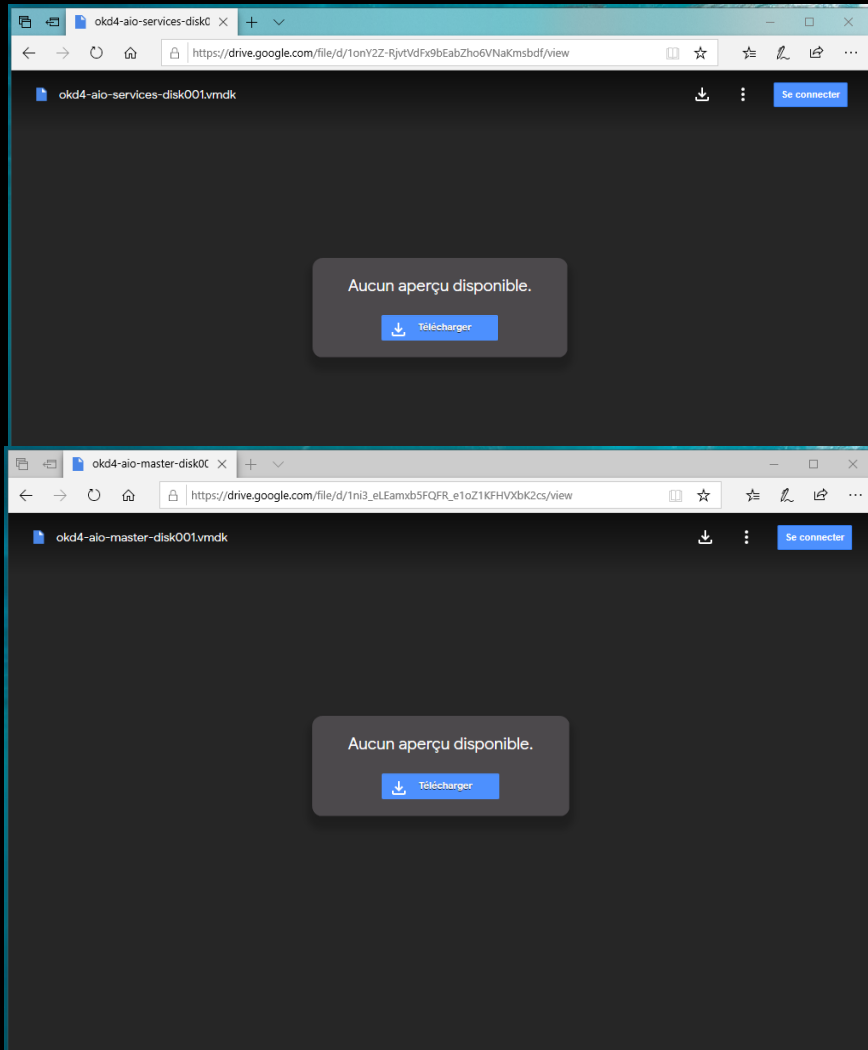
```
> git clone https://github.com/besn0847/okd4-all-in-one.git
```



```
Anaconda Prompt (Anaconda3)
(base) Z:\Sandbox>git clone https://github.com/besn0847/okd4-all-in-one.git
Cloning into 'okd4-all-in-one'...
remote: Enumerating objects: 119, done.
remote: Counting objects: 100% (119/119), done.
remote: Compressing objects: 100% (73/73), done.
remote: Total 119 (delta 20), reused 115 (delta 19), pack-reused 0
Receiving objects: 100% (119/119), 902.70 KiB | 1.13 MiB/s, done.
Resolving deltas: 100% (20/20), done.
Updating files: 100% (50/50), done.

(base) Z:\Sandbox>
```

Step 2 : Download the 2 VMDKs



okd4-aio-services-disk001.vmdk (0.7 GB) :

<https://drive.google.com/file/d/1onY2Z-RjvtVdFx9bEabZho6VNaKmsbdf/view>

okd4-aio-master-disk001.vmdk (8.8 GB) :

https://drive.google.com/file/d/1ni3_eLEamxb5FQFR_e1oZ1KFHVXbK2cs/view

```
Anaconda Prompt (Anaconda3)

(base) Z:\Sandbox\okd4-all-in-one\boxes>dir
Le volume dans le lecteur Z s'appelle share
Le numéro de série du volume est 10A5-04E7

Répertoire de Z:\Sandbox\okd4-all-in-one\boxes

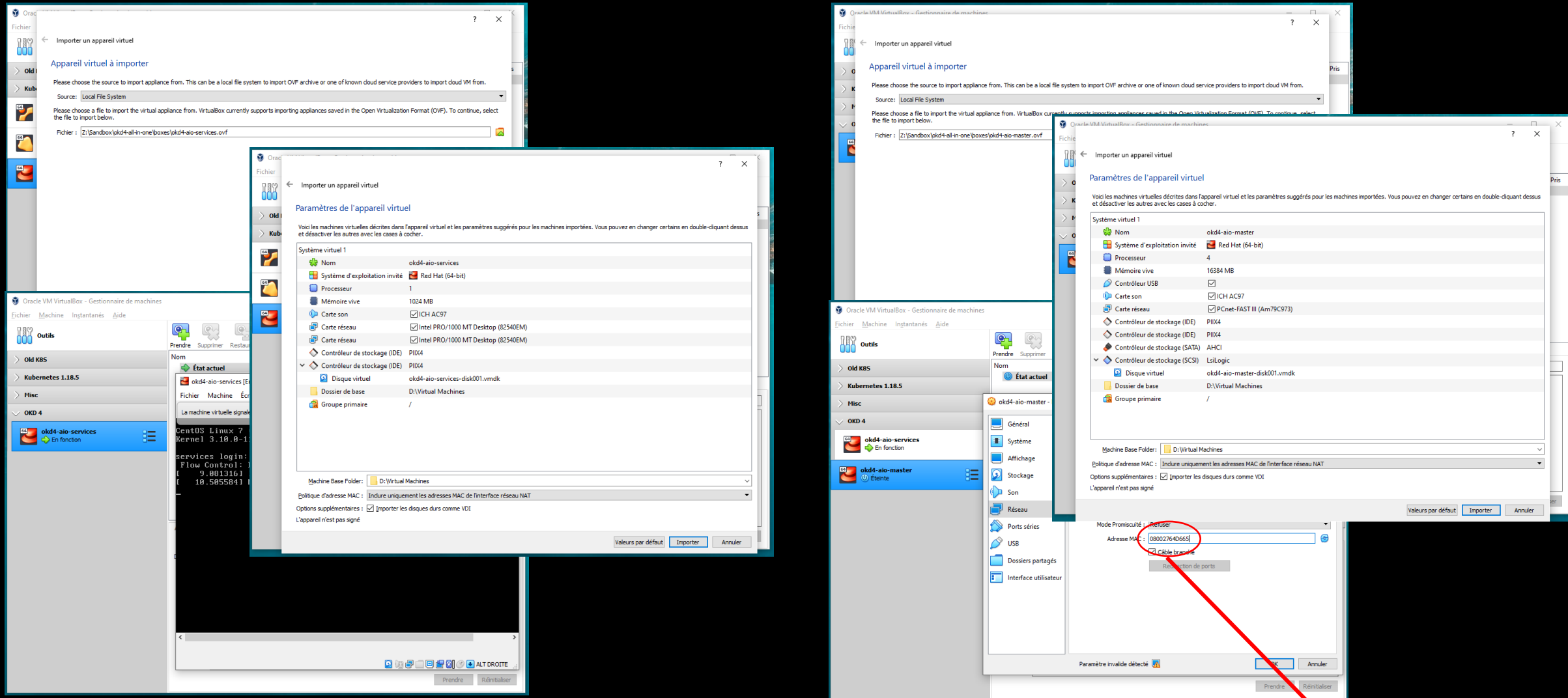
15/08/2020  18:13    <DIR>          .
15/08/2020  11:39    <DIR>          ..
15/08/2020  18:13                64 okd4-aio-master-disk001.sha256
15/08/2020  14:08          9 436 100 608 okd4-aio-master-disk001.vmdk
15/08/2020  11:39                8 469 okd4-aio-master.ovf
15/08/2020  18:13                64 okd4-aio-services-disk001.sha256
15/08/2020  11:58          710 885 376 okd4-aio-services-disk001.vmdk
15/08/2020  11:39                7 483 okd4-aio-services.ovf
               6 fichier(s)  10 147 002 064 octets
               2 Rép(s)   624 585 318 400 octets libres

(base) Z:\Sandbox\okd4-all-in-one\boxes>
```

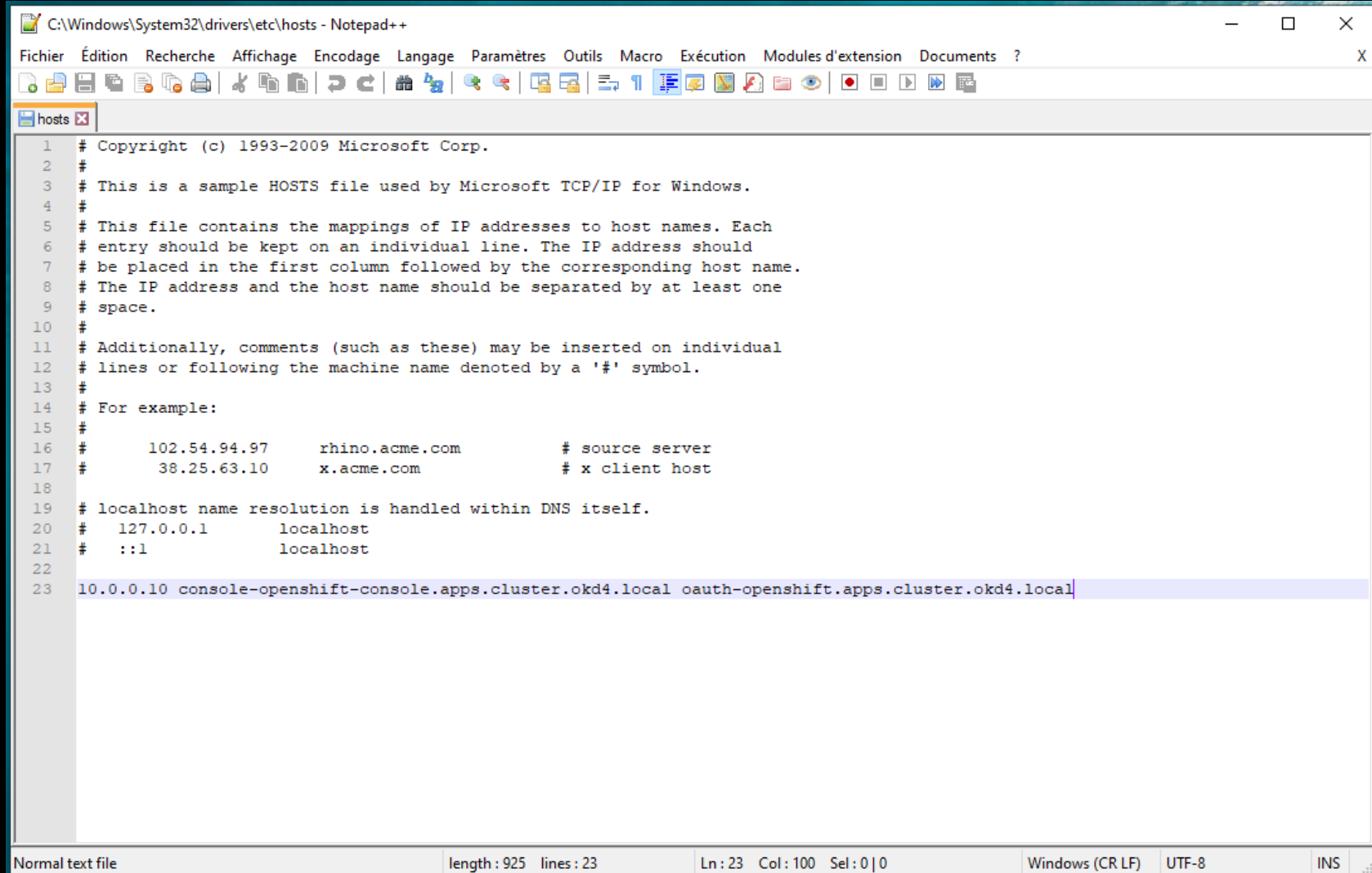
SHA256 Checksums :

- okd4-aio-services-disk001.vmdk :
A3ECB4DC431DB3D6F26C3C0CA3A485096B3D0DE97BDA5C5C84268240D9D7948B
- okd4-aio-master-disk001.vmdk :
F910B0AEF95DAE5638B5D6427FE6F67B577FD7439D0720B0CC44FAF6D2D4472F

Step 3 : Import the VMs in VirtualBox



Step 4 : Update your /etc/hosts file



```
C:\Windows\System32\drivers\etc\hosts - Notepad++
Fichier  Édition  Recherche  Affichage  Encodage  Langage  Paramètres  Outils  Macro  Exécution  Modules d'extension  Documents  ?
hosts x
1  # Copyright (c) 1993-2009 Microsoft Corp.
2  #
3  # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
4  #
5  # This file contains the mappings of IP addresses to host names. Each
6  # entry should be kept on an individual line. The IP address should
7  # be placed in the first column followed by the corresponding host name.
8  # The IP address and the host name should be separated by at least one
9  # space.
10 #
11 # Additionally, comments (such as these) may be inserted on individual
12 # lines or following the machine name denoted by a '#' symbol.
13 #
14 # For example:
15 #
16 #      102.54.94.97      rhino.acme.com      # source server
17 #      38.25.63.10      x.acme.com          # x client host
18
19 # localhost name resolution is handled within DNS itself.
20 #   127.0.0.1          localhost
21 #   ::1                localhost
22
23 10.0.0.10 console-openshift-console.apps.cluster.okd4.local oauth-openshift.apps.cluster.okd4.local

Normal text file      length : 925  lines : 23      Ln : 23  Col : 100  Sel : 0 | 0      Windows (CR LF)  UTF-8  INS
```

Step 5 : Monitor the start-up process (~10min)

```
okd4-aio-services
Last login: Thu Aug 13 08:55:30 2020 from 10.0.0.1
[vagrant@services ~]$ oc get clusteroperators
NAME                                     VERSION                                AVAILABLE  PROGRESSING  DEGRADED   SINCE
authentication                          4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     2d11h
cloud-credential                        4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d11h
cluster-autoscaler                     4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
config-operator                        4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
console                                4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
csi-snapshot-controller                4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
dns                                     4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
etcd                                    4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
image-registry                         4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     2d8h
ingress                                4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
insights                               4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
kube-apiserver                         4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
kube-controller-manager                4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
kube-scheduler                         4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
kube-storage-version-migrator          4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
machine-api                            4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
machine-approver                       4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
machine-config                         4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
marketplace                            4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     2d11h
monitoring                             4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     2d11h
network                                4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
node-tuning                            4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
openshift-apiserver                    4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     2d11h
openshift-controller-manager            4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     2d11h
openshift-samples                      4.5.0-0.okd-2020-06-29-110348-beta6  True       True         True       4d10h
operator-lifecycle-manager              4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
operator-lifecycle-manager-catalog      4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
operator-lifecycle-manager-packageserver 4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     2d11h
service-ca                              4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
storage                                 4.5.0-0.okd-2020-06-29-110348-beta6  True       False        False     4d10h
[vagrant@services ~]$ oc get nodes
NAME                                STATUS    ROLES    AGE   VERSION
master-1.cluster.okd4.local        Ready    master,worker  4d10h  v1.18.3
[vagrant@services ~]$
```

Connect to the Services VM with vagrant + vagrant priv key (id_rsa in the build folders)

Step 6 : Connect to the OKD console

The image shows a sequence of steps to access the OKD console. On the left, a login form titled "Log in to your account" is displayed with the following fields:

- Username: kubeadmin
- Password: bRsda-FuxkE-pXAAt-SDEtt
- Log In button

Below the login form, the login URL is provided: <https://console-openshift-console.apps.cluster.okd4.local/>. The login credentials are also listed: Login : kubeadmin and Password : bRsda-FuxkE-pXAAt-SDEtt.

On the right, the OKD console interface is shown. The left sidebar contains a navigation menu with the following items:

- Administrator
- Home
- Overview
- Projects
- Search
- Explore
- Events
- Operators
- Workloads
- Networking
- Storage
- Builds
- Monitoring
- Compute
- User Management
- Administration

The main content area displays the "Overview" page, which includes the following sections:

- Details:** Cluster API Address (https://api.cluster.okd4.local:6443), Cluster ID (7b110bf2-036f-4f95-9be3-e1995f54a7d4), Provider (None), OpenShift Version (4.5.0-0.okd-2020-06-29-110348-beta6), and Update Channel (stable-4.5).
- Status:** Cluster (green checkmark), Control Plane (green checkmark), and Operators (yellow warning icon, 1 degraded).
- Cluster Inventory:** 1 Node, 113 Pods, 0 Storage Classes, and 1 PVC.
- Cluster Utilization:** A graph showing CPU and Memory usage over time. CPU usage is 1.52 of 4, and Memory usage is 6.24 GiB of 15.63 GiB.
- Activity:** A list of recent events, including "MountVolume.SetUp failed" and "Unable to attach or mount volume".