

# FUDO ONE INSTALLATION ON VMWARE

Download Fudo One image from:

<https://fudosecurity.com/download-en/>

The screenshot shows the Fudo Security website. The header includes the Fudo Security logo and navigation links: Products, Solutions, Partners, Company, and Resources. There are buttons for 'Request a quote' and 'Get a demo'. The main content area features the 'FUDO | ONE' logo and the headline 'Secure access for SMB's and startups.' Below this, there are three statistics: 'According to the 2021 Cost of a Data Breach Report by IBM, the average cost of a security breach is currently \$4.24 million.', 'According to the 2020 Data Breach Investigation Report by Verizon, 80% of security breaches are related to phishing.', and 'Over 70% of companies consider employees to be the biggest threat to their digital security according to the "State of Cybersecurity" survey'. There are also five award logos from 2020 and 2021. On the right, there is a 'Gain Access Today!' sign-up form with fields for First Name, Last Name, Business E-mail, Phone Number, Country, Company, and Company Size. A 'Submit' button is at the bottom of the form. A red arrow points from the 'Gain Access Today!' text to the sign-up form.

**FUDO | ONE**

**Secure** access for SMB's and startups.

According to the 2021 Cost of a Data Breach Report by IBM, the average cost of a security breach is currently **\$4.24 million**.

According to the 2020 Data Breach Investigation Report by Verizon, **80% of security breaches** are related to phishing.

Over **70% of companies** consider **employees** to be the **biggest threat** to their **digital security** according to the "State of Cybersecurity" survey

INNOVATION CHALLENGER 2020  
NEXT-GEN IN PRIVILEGED ACCESS MANAGEMENT 2021  
BEST BIOMETRICS 2021  
BEST ZERO TRUST SECURITY 2021

**Gain Access Today!**

To download – sign up form below.

First Name\*

Last Name\*

Business E-mail\*

Phone Number\*

Country\*

Company\*

Company Size\*  
Put approximate number of employees (ex. 50).

**Submit**

\* By downloading Fudo One, I accept License Agreement

Login to your VMware:

The screenshot shows the VMware ESXi login page. The browser address bar shows 'https://10.0.2.45/ui/#/login'. The page has a blue background with the VMware logo at the top. Below the logo, there are input fields for 'User name' and 'Password'. A 'Log in' button is at the bottom right. The text 'vmware ESXi™' is visible on the right side of the page.

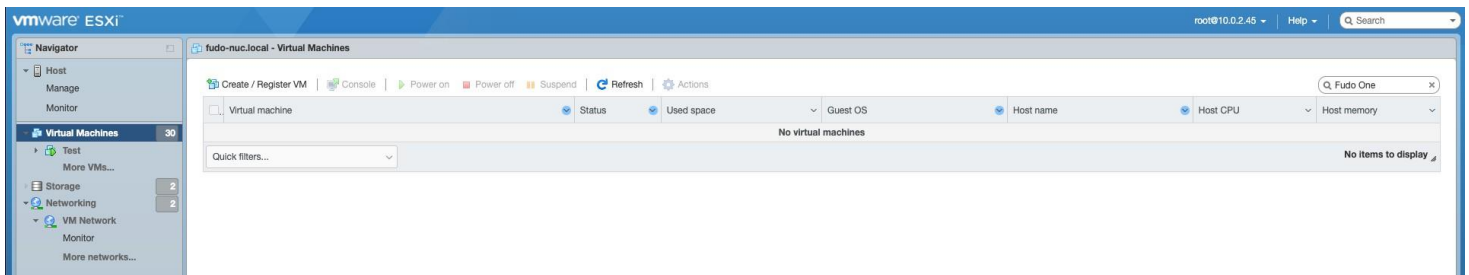
vmware®

User name

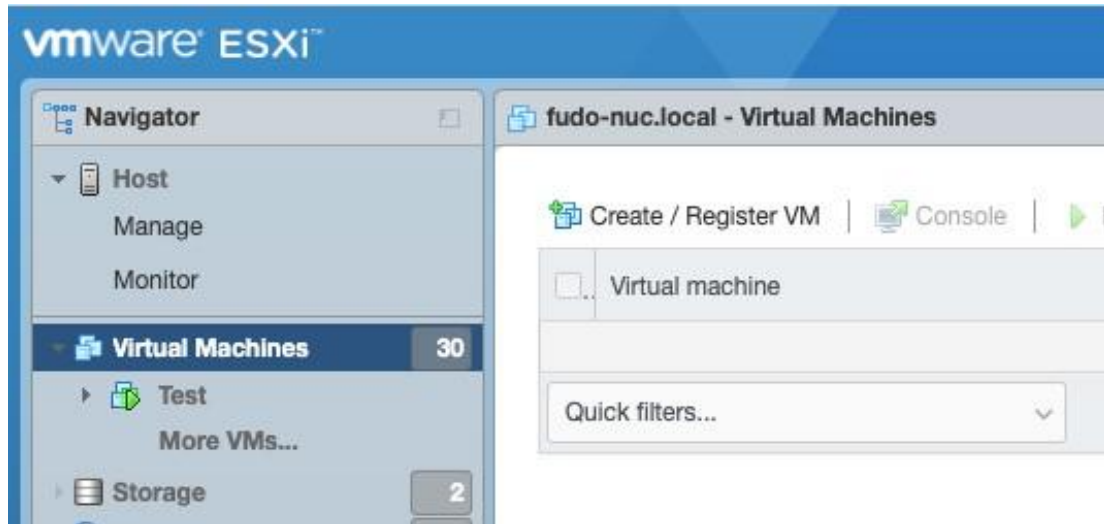
Password

Log in

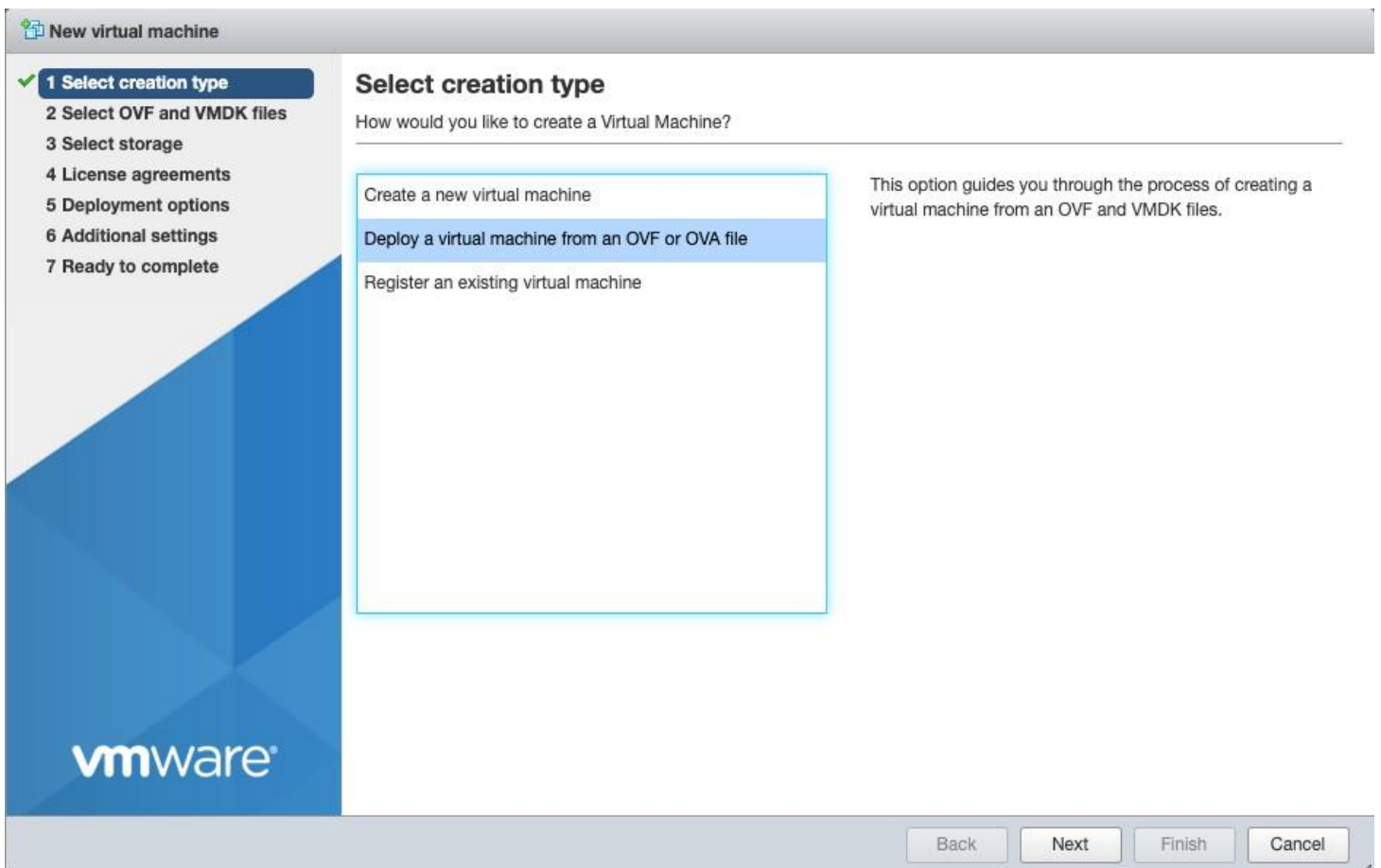
vmware® ESXi™



Select **Create / Register VM**:

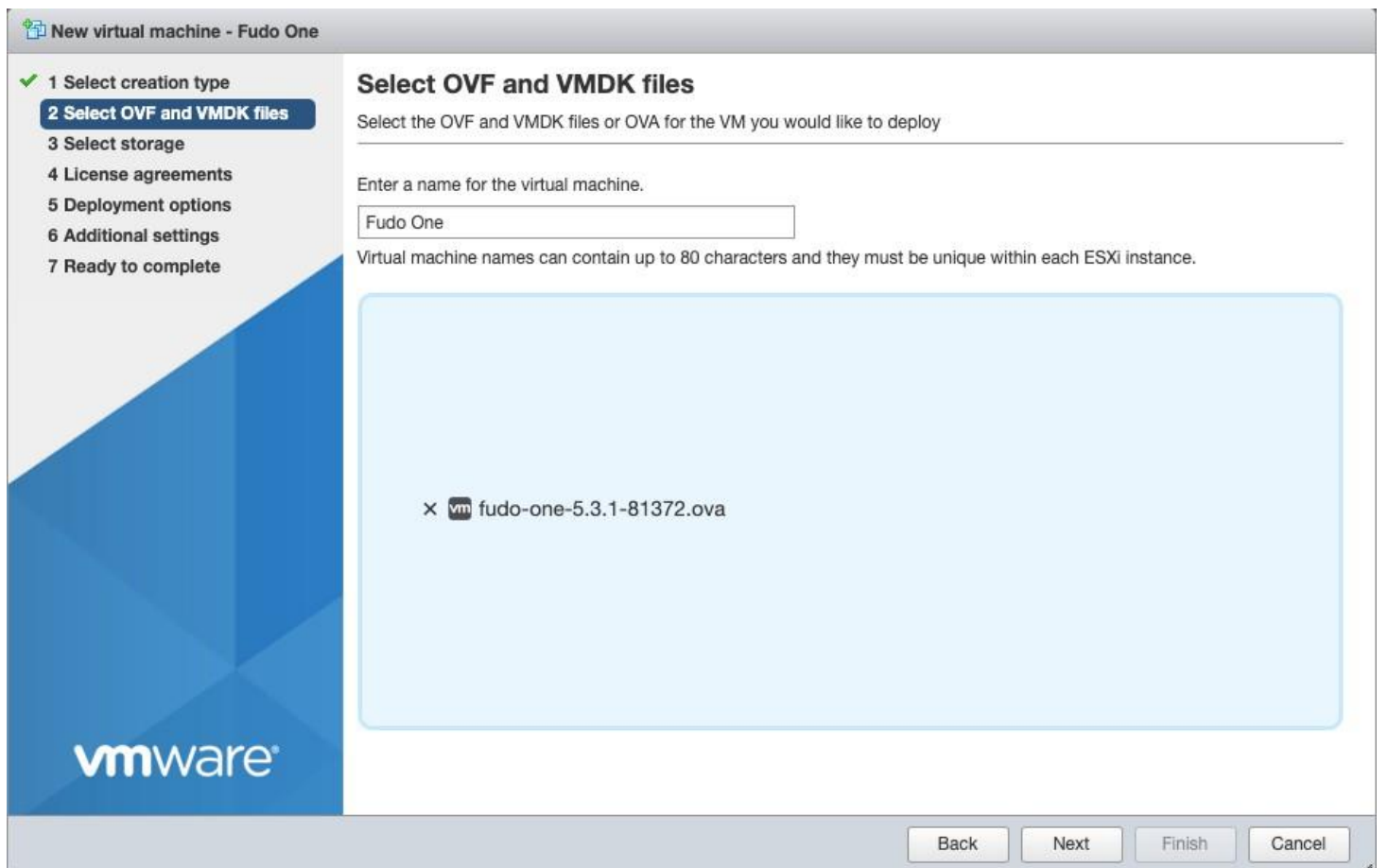
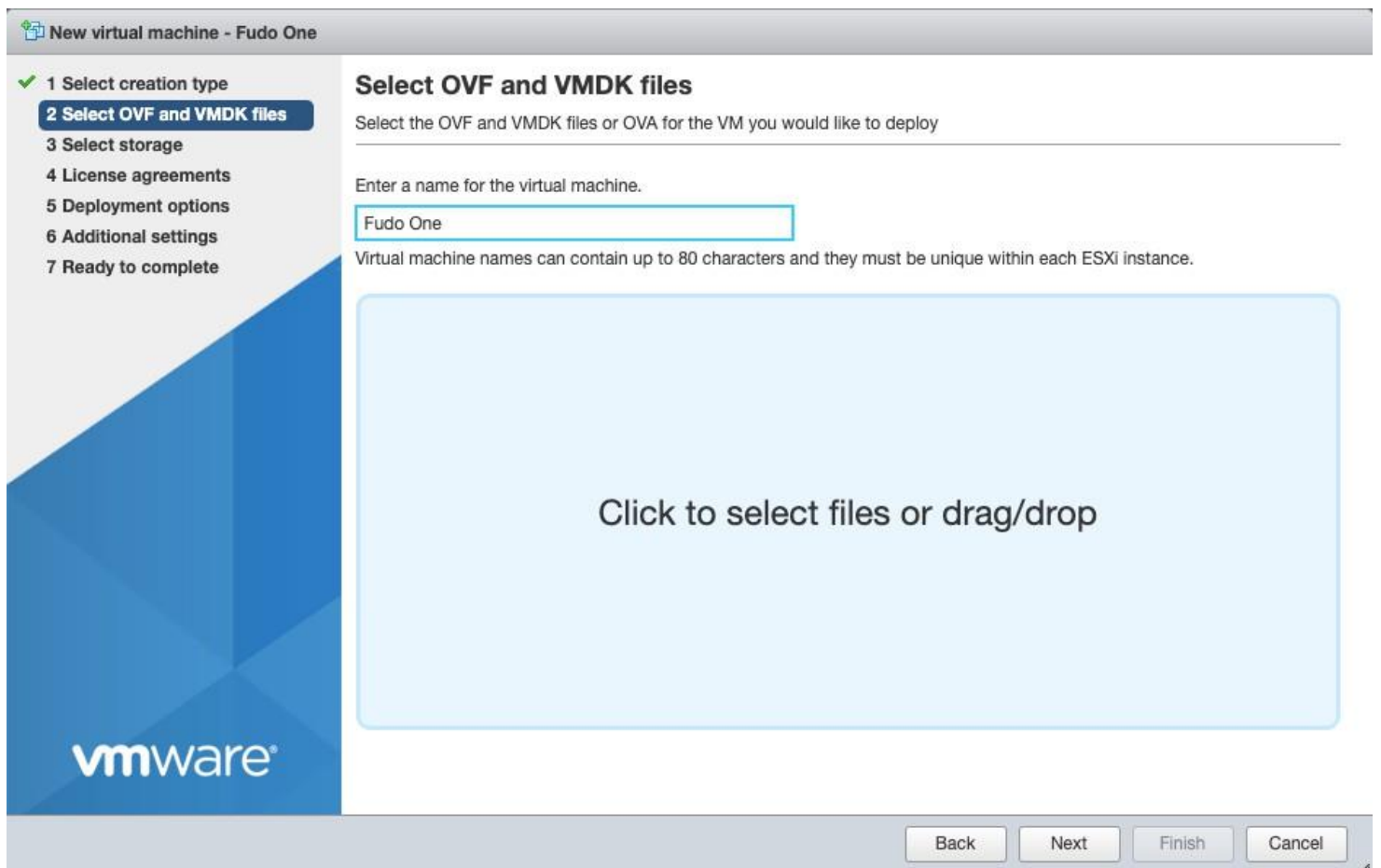


Select **Deploy a new virtual machine from an OVF or OVA file**:



Click **Next**

Enter a name and select downloaded OVA image:



Click **Next**

Choose proper storage on your VMware to store Fudo One (here we'll use ds02 as an example):

New virtual machine - Fudo One

- 1 Select creation type
- 2 Select OVF and VMDK files
- 3 Select storage
- 4 License agreements
- 5 Deployment options
- 6 Additional settings
- 7 Ready to complete

## Select storage

Select the storage type and datastore

Standard Persistent Memory

Select a datastore for the virtual machine's configuration files and all of its virtual disks.

Name	Capacity	Free	Type	Thin pro...	Access
datastore1	458.25 GB	27.42 GB	VMFS6	Supported	Single
ds02	931.25 GB	264.3 GB	VMFS6	Supported	Single

2 Items

Back Next Finish Cancel

Click **Next**

Select your VM network, choose Thin disk provisioning:

New virtual machine - Fudo One

- 1 Select creation type
- 2 Select OVF and VMDK files
- 3 Select storage
- 4 Deployment options
- 5 Ready to complete

## Deployment options

Select deployment options

Network mappings	VM Network	VM Network
Disk provisioning	<input checked="" type="radio"/> Thin <input type="radio"/> Thick	
Power on automatically	<input checked="" type="checkbox"/>	

Back Next Finish Cancel

Click **Next**

You can ignore warning regarding missing disk image, just click Finish.


New virtual machine - Fudo One

- ✓ 1 Select creation type
- ✓ 2 Select OVF and VMDK files
- ✓ 3 Select storage
- ✓ 4 Deployment options
- 5 Ready to complete**






**A required disk image was missing.**

Review your settings selection before finishing the wizard

Product	fudo-one-5.3.1-81372
VM Name	Fudo One
Files	fudo-one-5.3.1-81372-disk1.vmdk
Datastore	ds02
Provisioning type	Thin
Network mappings	VM Network: VM Network
Guest OS Name	Unknown

 Do not refresh your browser while this VM is being deployed.

Back Next Finish Cancel

Recent tasks							
Task	Target	Initiator	Queued	Started	Result	Completed	
Upload disk - fudo-one-5.3.1-81372-disk1.vmdk (1 of 1)	 Fudo One	root	03/10/2023 08:49:01	03/10/2023 08:49:01	<div><div></div></div>	Running... 81 %	
Create VM	 Fudo One	root	03/10/2023 08:49:00	03/10/2023 08:49:00	 Completed successfully	03/10/2023 08:49:00	
Rename	 One - test serverrow	root	03/10/2023 08:39:53	03/10/2023 08:39:53	 Completed successfully	03/10/2023 08:39:53	
Import VApp	Resources	root	03/10/2023 08:49:00	03/10/2023 08:49:00	<div><div></div></div>	Running... 81 %	

Wait until Fudo One image will be uploaded to your VMware:

Recent tasks						
Task	Target	Initiator	Queued	Started	Result	
Power On VM	Fudo One	root	03/10/2023 08:50:03	03/10/2023 08:50:03	Completed successfully	
Import VApp	Resources	root	03/10/2023 08:49:00	03/10/2023 08:49:00	Completed successfully	
Upload disk - fudo-one-5.3.1-81372-disk1.vmdk (1 of 1)	Fudo One	root	03/10/2023 08:49:01	03/10/2023 08:49:01	Completed successfully	
Create VM	Fudo One	root	03/10/2023 08:49:00	03/10/2023 08:49:00	Completed successfully	
Rename	One - test serverow	root	03/10/2023 08:39:53	03/10/2023 08:39:53	Completed successfully	

Click to open your new Fudo One VM:

vmware ESXi

root@10.0.2.45 Help Search

Navigator

- Host
- Manage
- Monitor
- Virtual Machines** 31
  - Test
  - More VMs...
  - Storage
  - Networking
    - VM Network
    - Monitor
    - More networks...

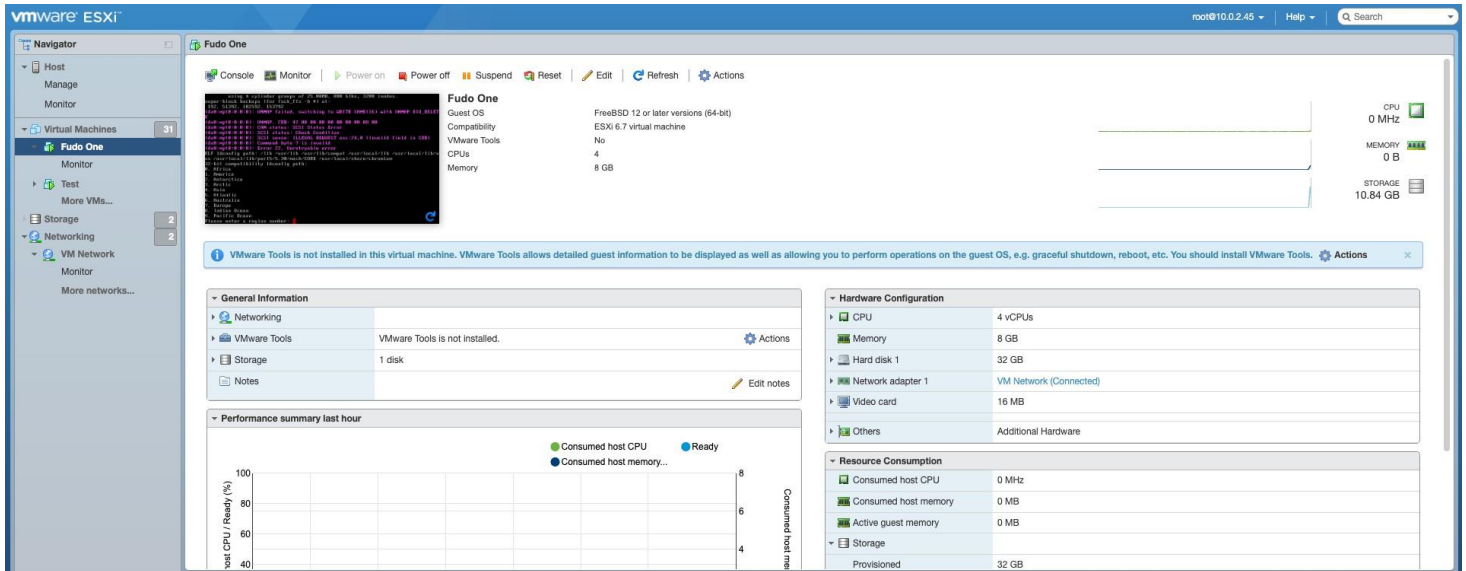
fudo-nuc.local - Virtual Machines

Create / Register VM Console Power on Power off Suspend Refresh Actions

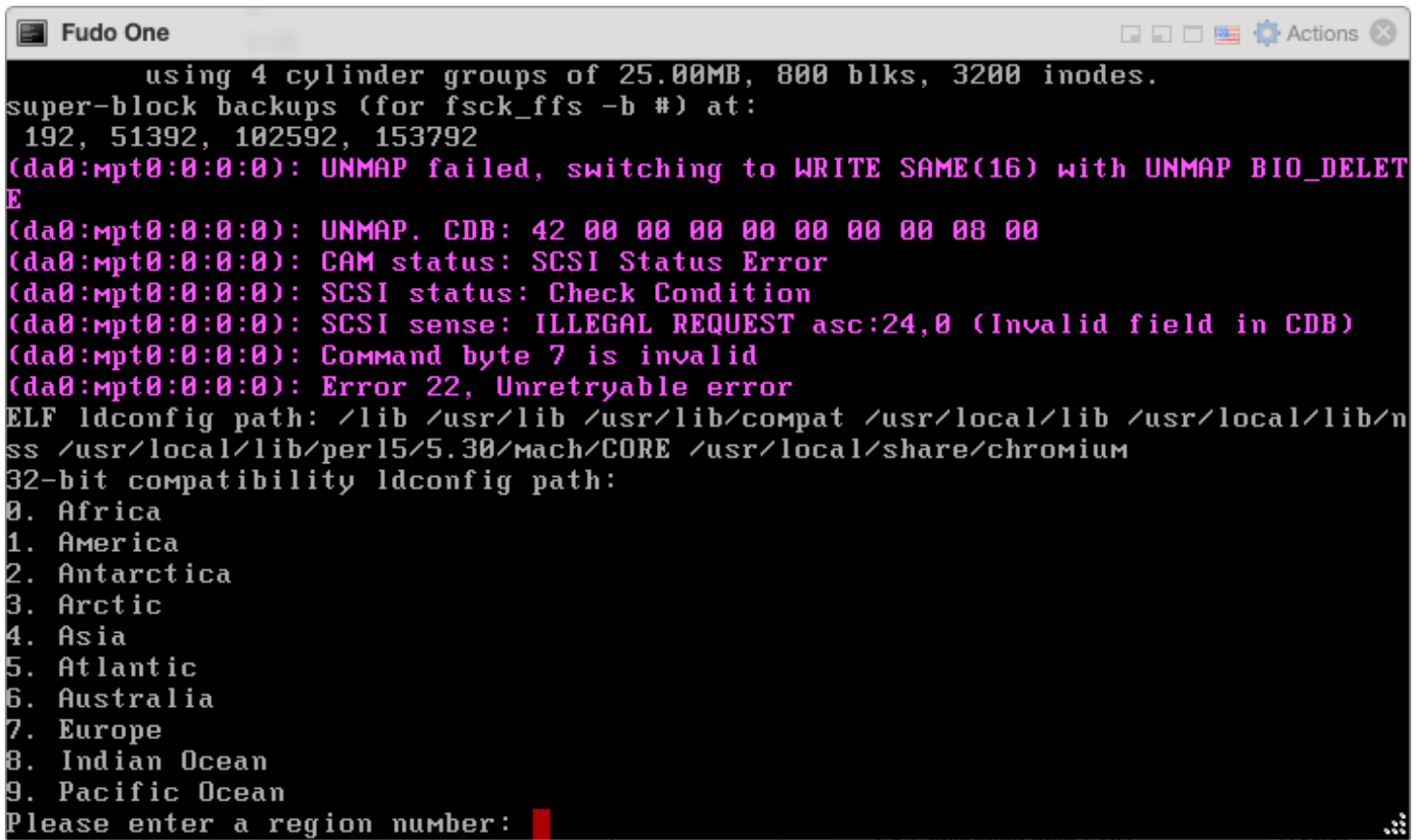
Virtual machine	Status	Used space	Guest OS	Host name	Host CPU	Host memory
<input type="checkbox"/> Fudo One	Normal	Unknown	FreeBSD 12 or later versions (64-bit)	Unknown	0 MHz	0 MB

Quick filters... 1 items





Double click on black window to open terminal:



Select your region number and confirm with **Y**:

```
Fudo One
super-block backups (for fsck_ffs -b #) at:
 192, 51392, 102592, 153792
(da0:mpt0:0:0:0): UNMAP failed, switching to WRITE SAME(16) with UNMAP BIO_DELETE
(da0:mpt0:0:0:0): UNMAP. CDB: 42 00 00 00 00 00 00 00 00 00
(da0:mpt0:0:0:0): CAM status: SCSI Status Error
(da0:mpt0:0:0:0): SCSI status: Check Condition
(da0:mpt0:0:0:0): SCSI sense: ILLEGAL REQUEST asc:24,0 (Invalid field in CDB)
(da0:mpt0:0:0:0): Command byte 7 is invalid
(da0:mpt0:0:0:0): Error 22, Unretryable error
ELF ldconfig path: /lib /usr/lib /usr/lib/compat /usr/local/lib /usr/local/lib/n
ss /usr/local/lib/perl5/5.30/mach/CORE /usr/local/share/chromium
32-bit compatibility ldconfig path:
0. Africa
1. America
2. Antarctica
3. Arctic
4. Asia
5. Atlantic
6. Australia
7. Europe
8. Indian Ocean
9. Pacific Ocean
Please enter a region number: 7
Are you sure to continue with Europe (7)? (Y/n): Y
```

Select your city number (if you can't scroll to find it, select any of them, you can change it later from GUI) and confirm with Y:

```
Fudo One
40. Rome
41. Samara
42. San_Marino
43. Sarajevo
44. Saratov
45. Simferopol
46. Skopje
47. Sofia
48. Stockholm
49. Tallinn
50. Tirane
51. Tiraspol
52. Ulyanovsk
53. Uzhgorod
54. Vaduz
55. Vatican
56. Vienna
57. Vilnius
58. Volgograd
59. Warsaw
60. Zagreb
61. Zaporozhye
62. Zurich
Please enter a city number: 59
Are you sure to continue with Warsaw (59)? (Y/n): Y
```

Enter a date and time format and confirm with Y:

```
Fudo One
43. Sarajevo
44. Saratov
45. Simferopol
46. Skopje
47. Sofia
48. Stockholm
49. Tallinn
50. Tirane
51. Tiraspol
52. Ulyanovsk
53. Uzhgorod
54. Vaduz
55. Vatican
56. Vienna
57. Vilnius
58. Volgograd
59. Warsaw
60. Zagreb
61. Zaporozhye
62. Zurich
Please enter a city number: 59
Are you sure to continue with Warsaw (59)? (Y/n): Y
Timezone has been changed.
Enter a date and time [format: DD.MM.YYYY HH:MM]: 10.03.2023 08:56
Are you sure to continue with introduced date and time (Y/n): Y
```

Wait until installation will be completed:

```
Fudo One
Starting webproxyd.
Starting whlsupportd.
Starting callhomed.
Starting archived.
Starting devd.
Starting pmonitord.

-----
Serial number: 89883072
Instance FUID: srz9-qdah-p5op-7pqs
Mode: production
Password for Fudo user admin: proxycrypto
-----

Fri Mar 10 08:56:21 CET 2023

FUDO, S/N 89883072, firmware 5.3.1-81372, fuid srz9-qdah-p5op-7pqs.

To fix admin account, reset Fudo to factory defaults
and change network settings, login as any superadmin
with an appropriate password.

FUDO (srz9-qdah-p5op-7pqs) (ttyv0)

login: 
```

Login as an admin, login: admin password: proxycrypto



```
Fudo One
Starting whlsupportd.
Starting callhomed.
Starting archived.
Starting devd.
Starting pmonitord.

-----
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To fix admin account, reset Fudo to factory defaults
and change network settings, login as any superadmin
with an appropriate password.

FUDO (srz9-qdah-p5op-7pqs) (ttyv0)

login: admin
Password: 
```

You'll be asked to change default password to your own, follow script:

```
Fudo One
Starting devd.
Starting pmonitord.

-----
Serial number: 89883072
Instance FUID: srz9-qdah-p5op-7pqs
Mode: production
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To fix admin account, reset Fudo to factory defaults
and change network settings, login as any superadmin
with an appropriate password.

FUDO (srz9-qdah-p5op-7pqs) (ttyv0)

login: admin
Password:
Password change required.
New password:
Retype new password: 
```

Once completed, it should look like below:

```
Fudo One
To fix admin account, reset Fudo to factory defaults
and change network settings, login as any superadmin
with an appropriate password.

FUDO (srz9-qdah-p5op-7pqs) (ttyv0)

login: admin
Password:
Password change required.
New password:
Retype new password:

*** FUDO configuration utility ***

Logged into FUDO, S/N 89883072, firmware 5.3.1-81372, fuid (srz9-qdah-p5op-7pqs)
.

1. Show status
2. Disks status and identification
3. Reset network settings
X. Reset Fudo to the factory defaults
0. Exit

Choose an option (^C anytime to abort) (0):
```

Select **3** to set up your Fudo One IP address:

```
Fudo One
Password:
Password change required.
New password:
Retype new password:

*** FUDO configuration utility ***

Logged into FUDO, S/N 89883072, firmware 5.3.1-81372, fuid (srz9-qdah-p5op-7pqs)
.

1. Show status
2. Disks status and identification
3. Reset network settings
X. Reset Fudo to the factory defaults
0. Exit

Choose an option (^C anytime to abort) (0): 3

Available network interfaces:

net0 ()
  ether: 00:0c:29:f0:66:5c
  media: Ethernet autoselect

Choose new management interface (net0):
```

Depending on you VM settings you'll see several network interfaces. Here we've got only one network interface named net0. Type proper name to configure its IP address:

```
Fudo One
Password:
Password change required.
New password:
Retype new password:

*** FUDO configuration utility ***

Logged into FUDO, S/N 89883072, firmware 5.3.1-81372, fuid (srz9-qdah-p5op-7pqs)
.

1. Show status
2. Disks status and identification
3. Reset network settings
X. Reset Fudo to the factory defaults
0. Exit

Choose an option (^C anytime to abort) (0): 3

Available network interfaces:

net0 ()
  ether: 00:0c:29:f0:66:5c
  media: Ethernet autoselect

Choose new management interface (net0): net0
```

Enter new IP address and mask for selected network interface base on your network addressing:

```
Fudo One
Retype new password:

*** FUDO configuration utility ***

Logged into FUDO, S/N 89883072, firmware 5.3.1-81372, fuid (srz9-qdah-p5op-7pqs)
.

1. Show status
2. Disks status and identification
3. Reset network settings
X. Reset Fudo to the factory defaults
0. Exit

Choose an option (^C anytime to abort) (0): 3

Available network interfaces:

net0 ()
  ether: 00:0c:29:f0:66:5c
  media: Ethernet autoselect

Choose new management interface (net0): net0
Enter new net0 IP address and netmask (eg. 192.168.1.1/24) (192.168.1.1/24): 10.
0.131.222/16
Enter new default gateway IP address:
```

Enter new default gateway IP address:

```
Fudo One
Retype new password:

*** FUDO configuration utility ***

Logged into FUDO, S/N 89883072, firmware 5.3.1-81372, fuid (srz9-qdah-p5op-7pqs)
.

1. Show status
2. Disks status and identification
3. Reset network settings
X. Reset Fudo to the factory defaults
0. Exit

Choose an option (^C anytime to abort) (0): 3

Available network interfaces:

net0 ()
  ether: 00:0c:29:f0:66:5c
  media: Ethernet autoselect

Choose new management interface (net0): net0
Enter new net0 IP address and netmask (eg. 192.168.1.1/24) (192.168.1.1/24): 10.
0.131.222/16
Enter new default gateway IP address: 10.0.0.1
```

```
Fudo One

2. Disks status and identification
3. Reset network settings
X. Reset Fudo to the factory defaults
0. Exit

Choose an option (^C anytime to abort) (0): 3

Available network interfaces:

net0 ()
  ether: 00:0c:29:f0:66:5c
  media: Ethernet autoselect

Choose new management interface (net0): net0
Enter new net0 IP address and netmask (eg. 192.168.1.1/24) (192.168.1.1/24): 10.
0.131.222/16
Enter new default gateway IP address: 10.0.0.1

1. Show status
2. Disks status and identification
3. Reset network settings
X. Reset Fudo to the factory defaults
0. Exit

Choose an option (^C anytime to abort) (0):
```

Now open your web browser and type IP address of your Fudo One, accept risk by selecting **Advanced**:



### Warning: Potential Security Risk Ahead

Firefox detected a potential security threat and did not continue to **10.0.131.222**. If you visit this site, attackers could try to steal information like your passwords, emails, or credit card details.

[Learn more...](#)

Go Back (Recommended)

Advanced...

and then **Accept the Risk and Continue**



### Warning: Potential Security Risk Ahead

Firefox detected a potential security threat and did not continue to **10.0.131.222**. If you visit this site, attackers could try to steal information like your passwords, emails, or credit card details.

[Learn more...](#)

Go Back (Recommended)

Advanced...

10.0.131.222 uses an invalid security certificate.

The certificate is not trusted because it is self-signed.

Error code: [MOZILLA\\_PKIX\\_ERROR\\_SELF\\_SIGNED\\_CERT](#)

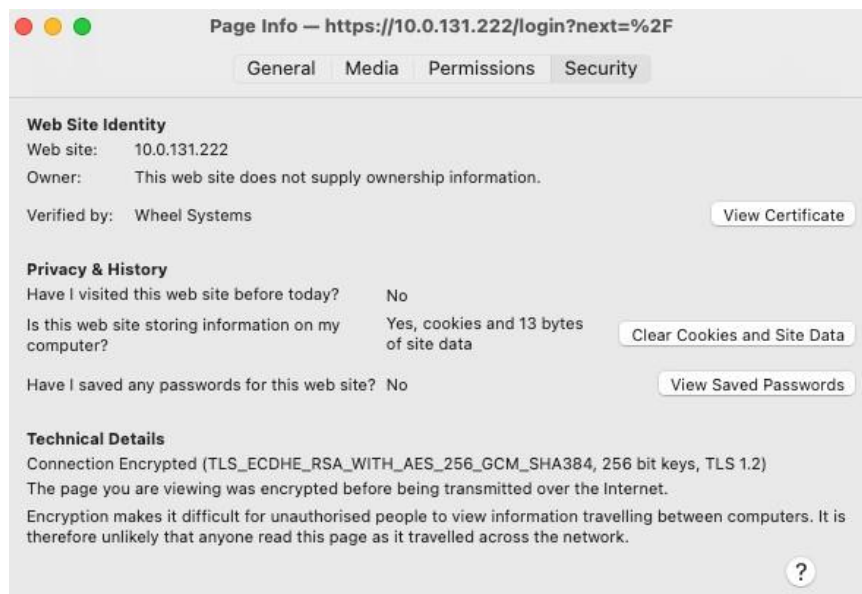
[View Certificate](#)

Go Back (Recommended)

Accept the Risk and Continue

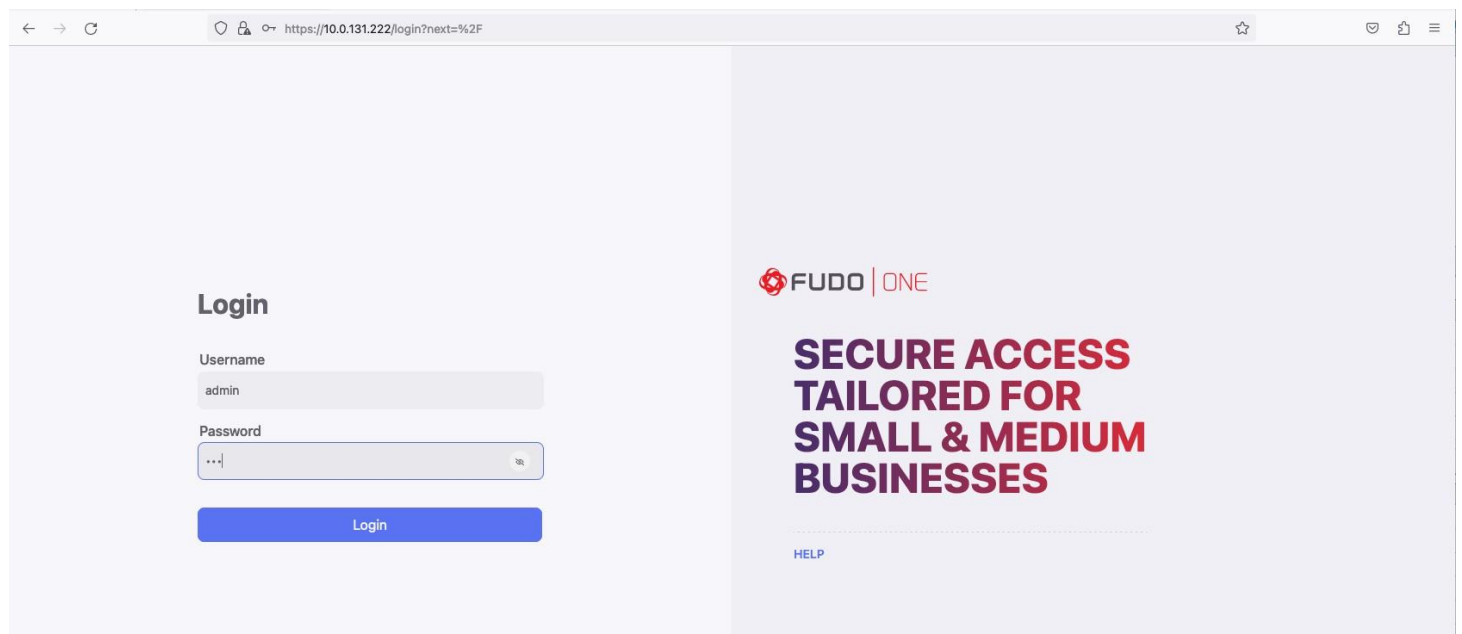
Do not be afraid this time, such message is caused by unknown certificate:





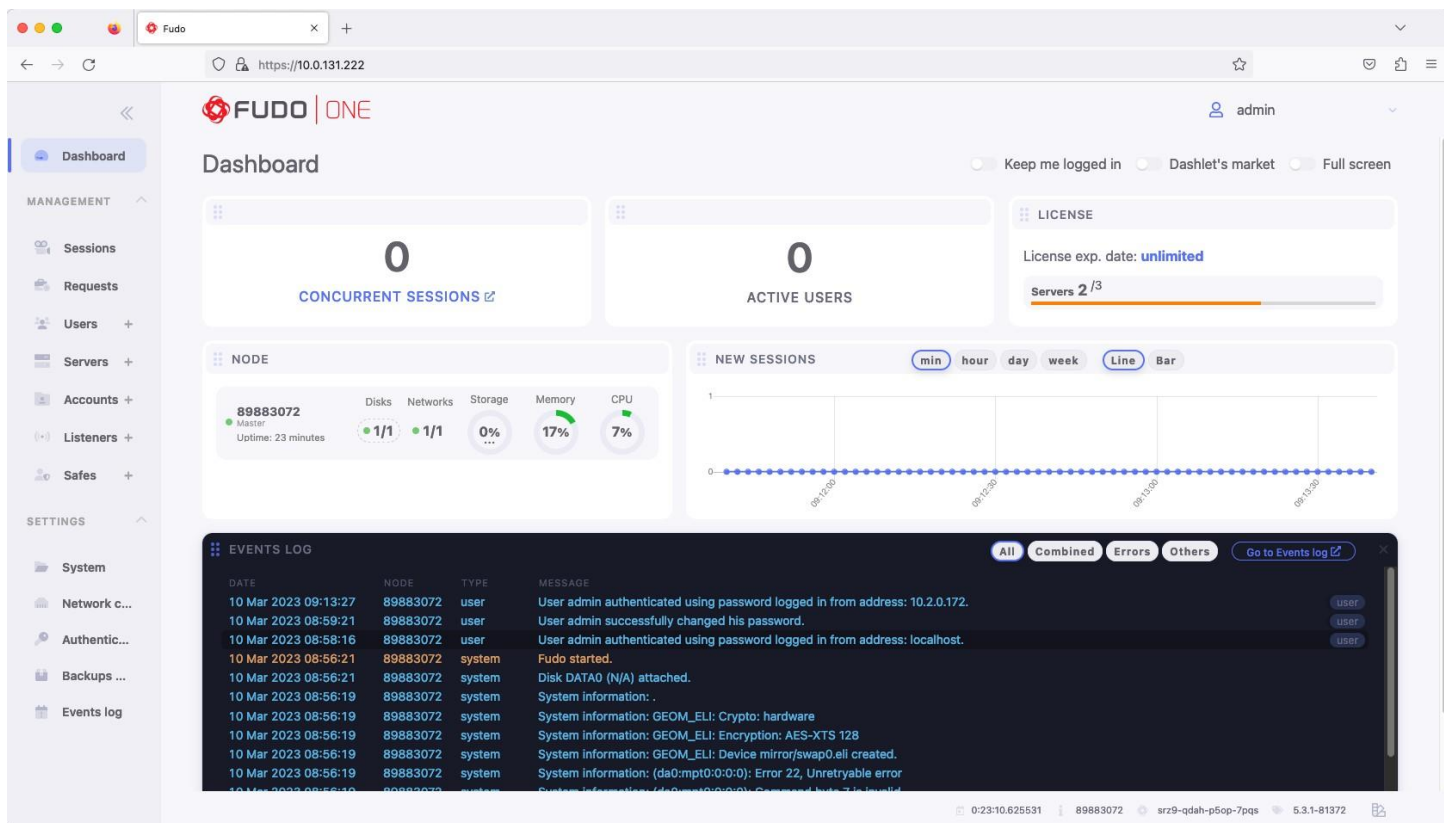
You can add your own certificate to your Fudo One later.

Fudo One administration webpage should appear, login with Username: admin Password: your\_new\_password:



That's all regarding installation of your Fudo One:





Now you can configure your Fudo One following admin manual:

<https://fudoone.readme.io/docs>

