



Migrate Dozuki Cloud to Dozuki On-Premise hosted in VMware Hypervisor

How to install Dozuki's On-Premise Product within a VMware environment with existing content pulled from a cloud-hosted version of Dozuki.

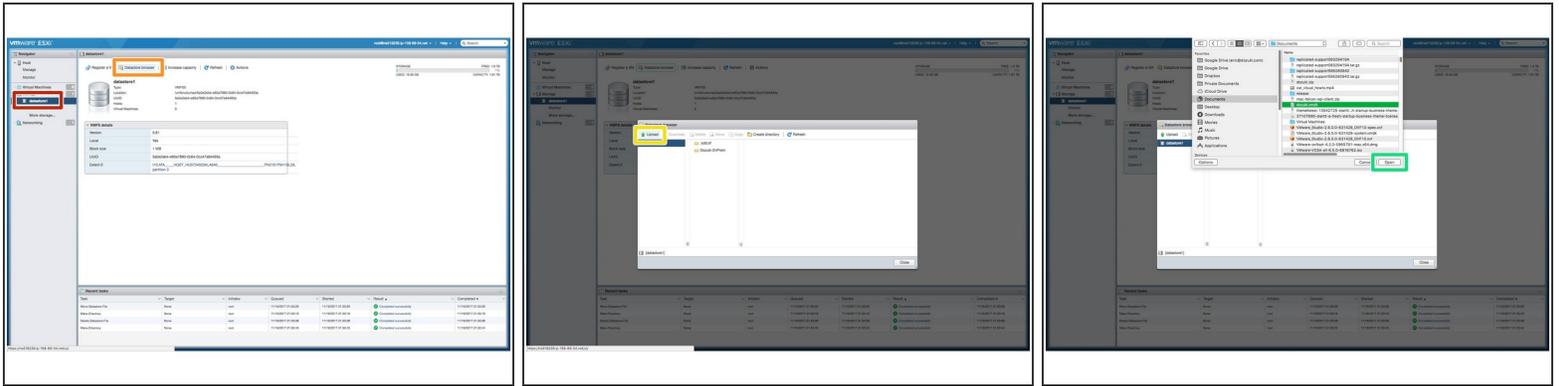
Written By: Dozuki System

The screenshot displays the VMware ESXi management console. The left sidebar shows the navigation tree with 'Storage' selected. The main panel shows details for 'datastore1', including its type (VMFS5), location, UUID, and the number of hosts and virtual machines. Below this, a table provides VMFS details such as version, local status, block size, and extent information. At the bottom, a 'Recent tasks' table lists several operations that have been completed successfully.

VMFS details							
Version	5.81						
Local	Yes						
Block size	1 MB						
UUID	5a0e2eb4-e60a7890-0c64-0cc47a94493a						
Extent 0	110.ATA_HGST_HUS724020ALA640 PN2181P5H18L5X, partition 3						

Task	Target	Initiator	Queued	Started	Result	Completed
Move Datastore File	None	root	11/16/2017 21:33:29	11/16/2017 21:33:29	Completed successfully	11/16/2017 21:33:29
Make Directory	None	root	11/16/2017 21:33:18	11/16/2017 21:33:18	Completed successfully	11/16/2017 21:33:18
Delete Datastore File	None	root	11/16/2017 21:33:08	11/16/2017 21:33:08	Completed successfully	11/16/2017 21:33:08
Make Directory	None	root	11/16/2017 21:32:43	11/16/2017 21:32:43	Completed successfully	11/16/2017 21:32:44

Step 1 — Uploading your VM to the Datastore



- Choose your preferred **Datastore**
- Once the Datastore has been selected, you can then click the **Datastore browser**
- Once the browser dialogue opens, select **Upload**
- Locate both the **dozuki.vmdk** (the Application volume) and the **data.vmdk** (the content volume) images provided by Dozuki
- Once selected, click the **Open** button to begin the upload process

Step 2 — Converting the Uploaded .vmdk files

```

Last login: The Nov 26 21:36:02 on tty981
root@dozuki-2:~# dslon1075 ssh root@ns13239.ip-158-69-54.net
Password:
The time and date of this login have been sent to the system logs.

WARNING:
All commands run on the ESXi shell are logged and may be included in
support bundles. Do not provide passwords directly on the console line.
Most tools can prompt for secrets or accept them from standard input.

VMware offers supported, powerful system administration tools. Please
see www.vmware.com/go/sysadmintools for details.

The ESXi Shell can be disabled by an administrative user. See the
VMware Security documentation for more information.
[root@ns13239:~] ls
dlbootrom  bootroms  dev  l3b  locker  net  productlocker  sbis  store  vmdisks.novuo  vsp  vifs  vmlanguages
[root@ns13239:~] cd /vmfs/
[root@ns13239:~/vmfs] ls
devices  volumes
[root@ns13239:~/vmfs] cd volumes/
[root@ns13239:~/vmfs/volumes] ls
Sohb2cc-e127f941-7795-bc47d94493a  Sohbc2b4-ed8b789b-bc64-bc47d94493a  Sohbc2b5-6aa25c81-2a73-bc47d94493a  E1d8e177-8dc6b8-648-e29b6a95839  892bce78-794081a1-d618-fd251c99bf  dsastore1
[root@ns13239:~/vmfs/volumes] cd dsastore1/
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a] ls
dozuki  dozuki
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a] cd dozuki\DPFrm/
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a\dozuki\DPFrm] ls
dozuki.vmdk
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a\dozuki\DPFrm] vmkfstools -i dozuki.vmdk dozukiConverted-d thin

```

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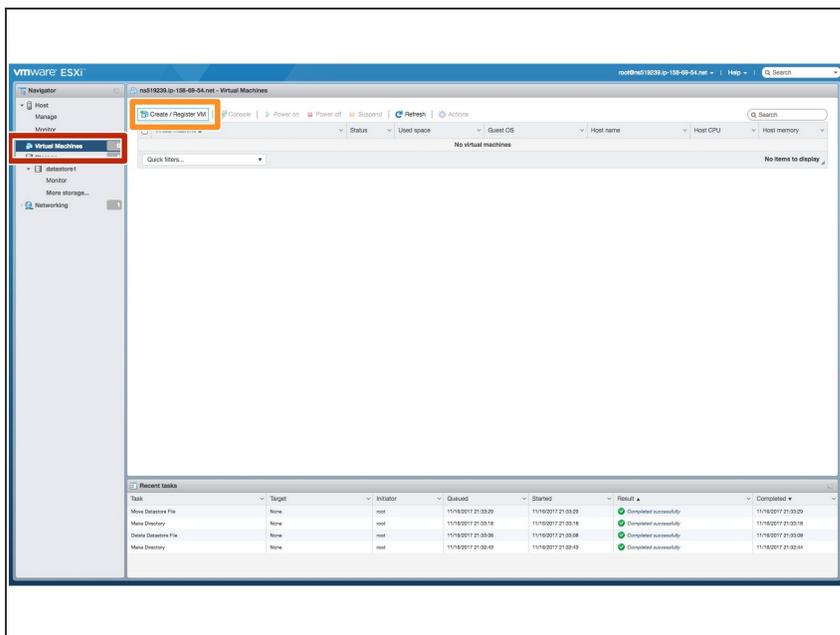
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dlbootrom  bootroms  dev  l3b  locker  net  productlocker  sbis  store  vmdisks.novuo  vsp  vifs  vmlanguages
[root@ns13239:~] cd /vmfs/
[root@ns13239:~/vmfs] ls
devices  volumes
[root@ns13239:~/vmfs] cd volumes/
[root@ns13239:~/vmfs/volumes] ls
Sohb2cc-e127f941-7795-bc47d94493a  Sohbc2b4-ed8b789b-bc64-bc47d94493a  Sohbc2b5-6aa25c81-2a73-bc47d94493a  E1d8e177-8dc6b8-648-e29b6a95839  892bce78-794081a1-d618-fd251c99bf  dsastore1
[root@ns13239:~/vmfs/volumes] cd dsastore1/
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a] ls
dozuki  dozuki
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a] cd dozuki\DPFrm/
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a\dozuki\DPFrm] ls
dozuki.vmdk
[root@ns13239:~/vmfs/volumes/Sohbc2b4-ed8b789b-bc64-bc47d94493a\dozuki\DPFrm] vmkfstools -i dozuki.vmdk dozukiConverted-d thin
Destination disk format: VMFS Thin-provisioned
Cloning disk 'dozuki.vmdk'...
Clone: 70k done

```

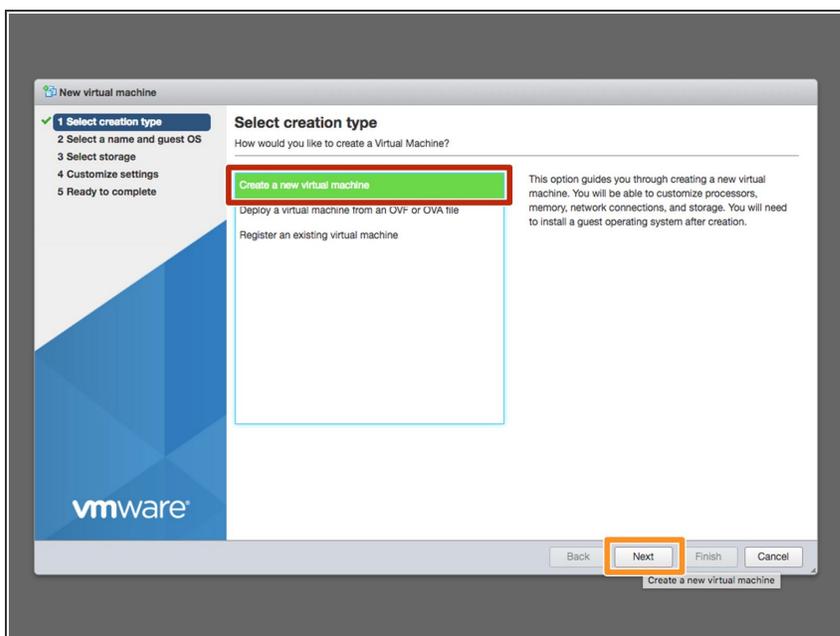
- Once upload is complete, SSH into your VMware host server
- Once logged in, navigate to the datastore where you uploaded the .vmdk files (*ie*: `/vmfs/volumes/datastore1/...`) in the previous step.
- Use the following command syntax to convert the uploaded .vmdk files:
- `vmkfstools -i [image to be converted] [new image name for converted file] -d thin`
- *Example usage*: `vmkfstools -i dozuki.vmdk dozukiConverted.vmdk -d thin`
- Once the conversion process has finished for both the **App volume** and the **Data volume**, proceed to the next step.

Step 3 — Create a new VM



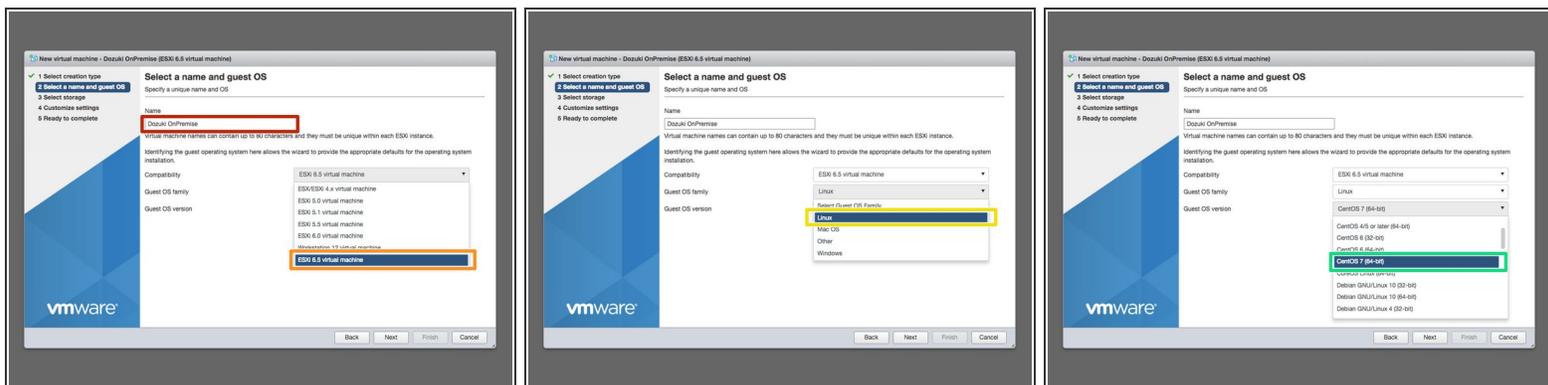
- Select **Virtual Machines**
- Select **Create / Register VM**

Step 4 — Install VM: 1 Select creation type



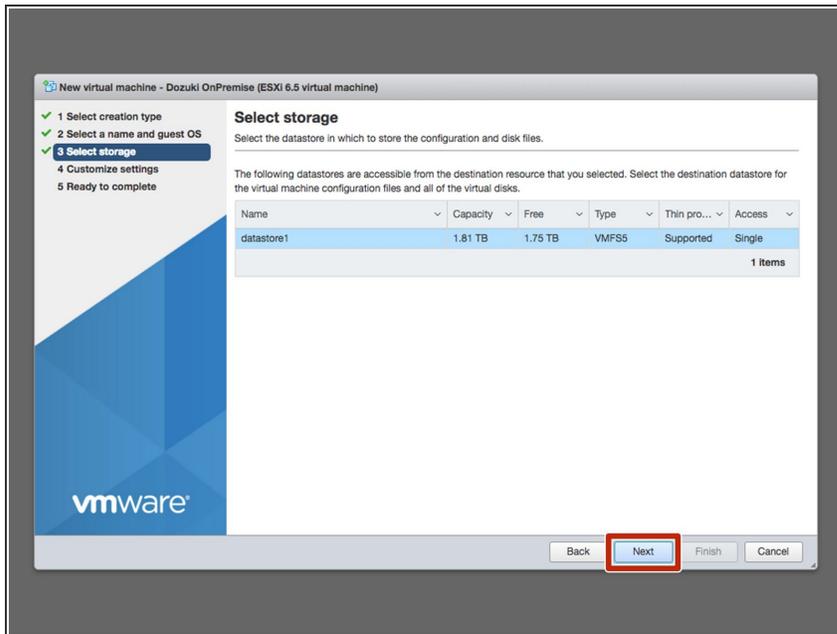
- Once the dialogue opens, select the **Create a new virtual machine**
- Click **Next**

Step 5 — Install VM: 2 Select name and guest OS



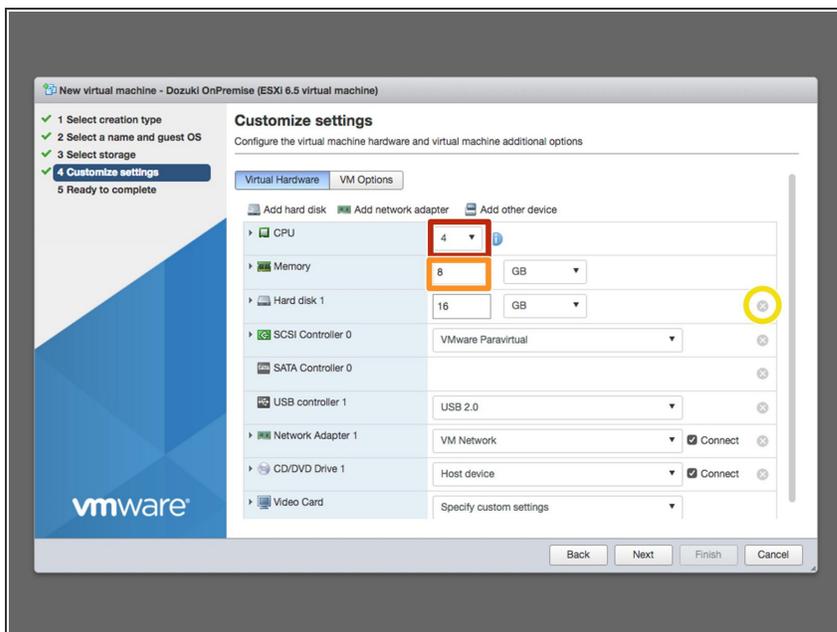
- Name your VM
- For **Compatibility**, select **ESXi 6.5 virtual machine** from the dropdown
 - ☑ **ESXi 5.5 or newer is required** as ESXi 5.0 and later does not support SATA controllers (a requirement for Dozuki OnPrem).
- For **Guest OS family**, select **Linux** from the dropdown
- For **Guest OS Version**, select **CentOS 7 (64bit)** from the dropdown
 - ⓘ The Guest OS of the Virtual Machine is "Fedora" which is backwards compatible with CentOS/RHEL.

Step 6 — Install VM: 3 Select storage



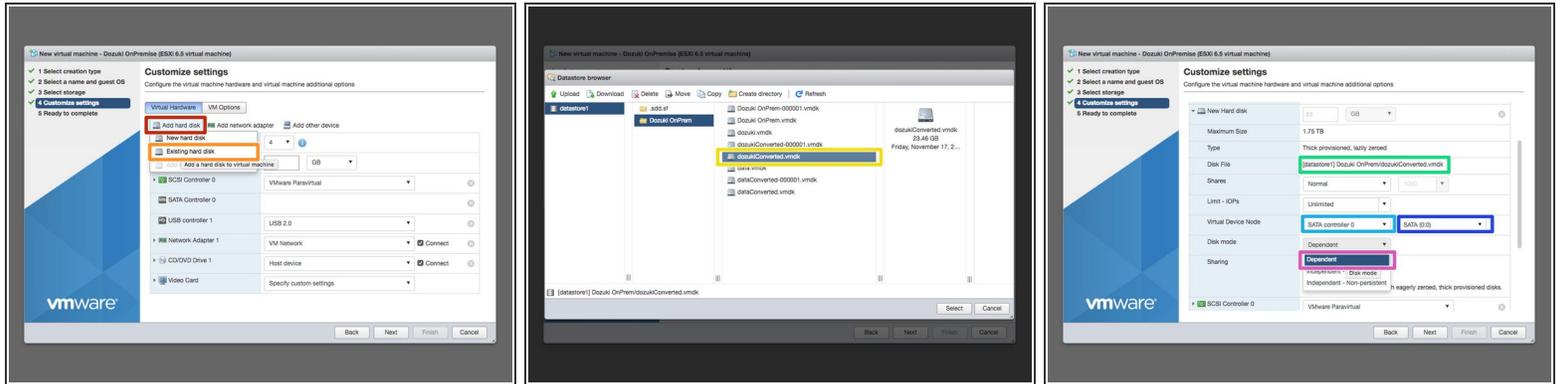
- Select the datastore you wish to use.
- Click **Next**

Step 7 — Install VM: 4 Customize Settings - Ram / CPU



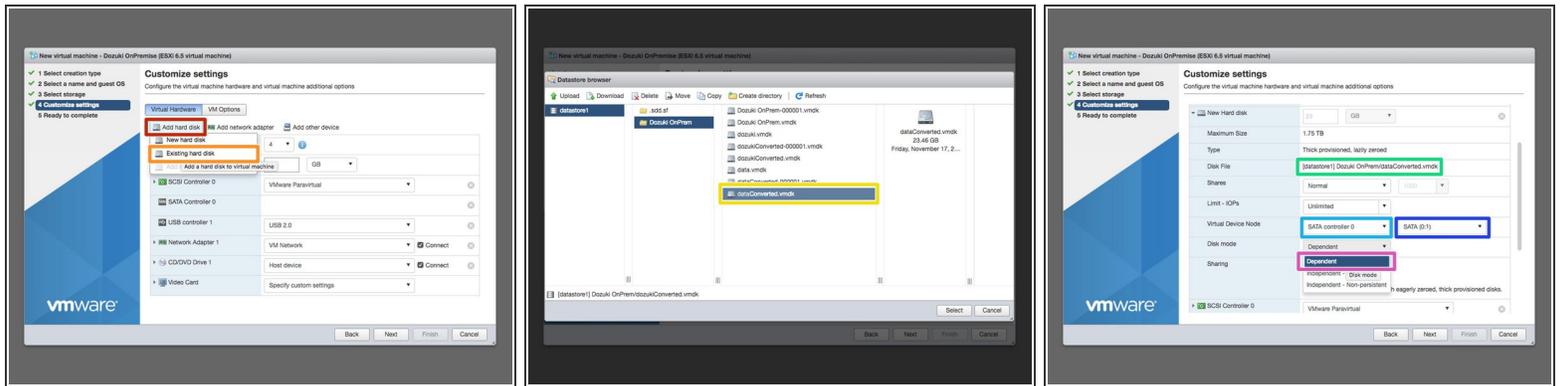
- Select the CPU Dropdown, enter appropriate number of CPUs to be used with the VM.
 - ☑ Dozuki OnPrem's recommended minimum CPU count is **four**.
- Select the **Memory** dropdown, enter the appropriate number of RAM to be used with the VM.
 - ☑ Dozuki OnPrem's recommended minimum amount of RAM is **8 GB**.
- Delete the default storage (titled **Hard Disk 1**)

Step 8 — Install VM: 4 Customize Settings - Attach App VMDK



- Click **Add hard disk**
- Select **Existing hard disk**
- Navigate to the **dozukiConverted.vmdk** from earlier in the procedure.
- Click **Next**
- Verify **Data File** points to the correct .vmdk file.
- For your Virtual Device Node, Select your preferred **SATA** Drive ID
- Select **Controller 0 Disk 0 (SATA [ID]:0)**
- Select **Dependent** for your **Disk Mode**

Step 9 — Install VM: 4 Customize Settings - Attach Data VMDK



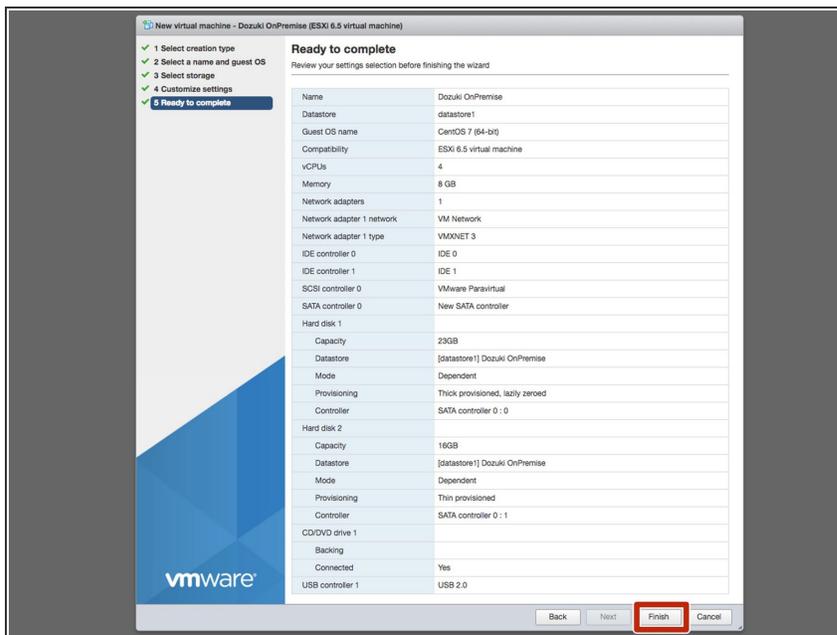
- Click **Add hard disk**
 - Select **Existing hard disk**
- Navigate to the **dataConverted.vmdk** from earlier in the procedure.
- Click **Next**
- Verify **Data File** points to the correct .vmdk file.
- For your Virtual Device Node, Select your preferred **SATA** Drive ID
- Select **Controller 0 Disk 1 (SATA [ID]:1)**
- Select **Dependent** for your **Disk Mode**

Step 10 — Complete Any Further Specific settings



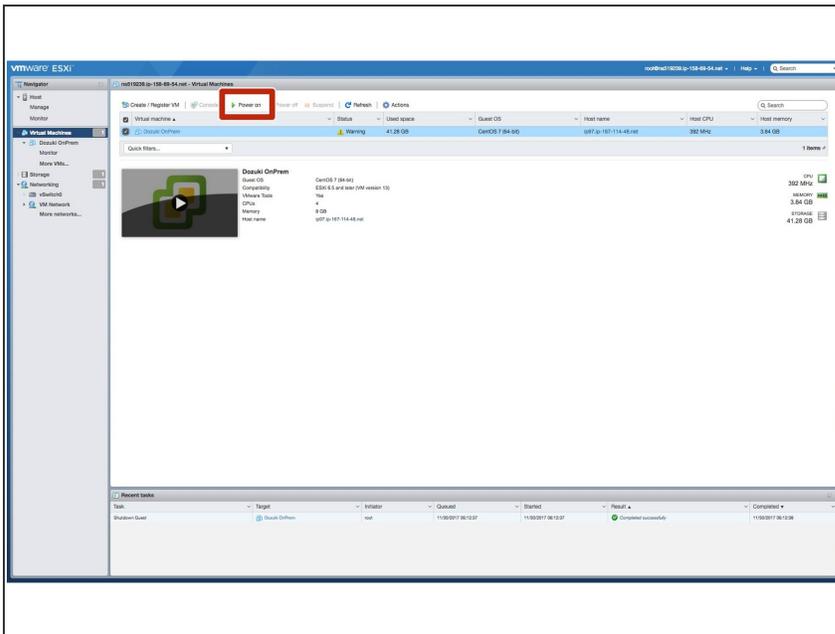
- Configure your required Network settings
- The Dozuki VM will require DHCP to assign an IP address
- If you require a statically assigned IP address, please contact Dozuki Support for documentation on accessing the Admin Console.

Step 11



- Review the configuration of your new Virtual Machine
- Click **Finish**

Step 12



- Power On your new virtual machine

Step 13 — Using your VM Console

```
Fedora 25 (Twenty Five)
Kernel 4.11.12-200.fc25.x86_64 on an x86_64 (tty2)

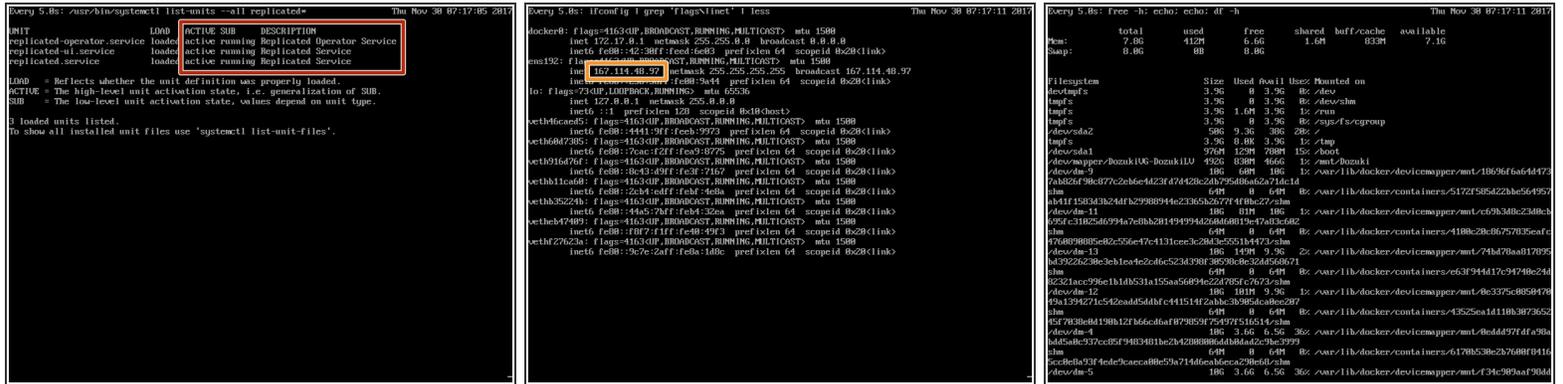
ip97 login:
```

← →

```
Onprem Drive Checking
- Check for correct number of attached drives
- Found correct number of attached drives
-Check for Customer Data LUM
- Found Customer Data LUM
?? Configure Customer Data LU
?? Customer Data LU Configured
Onprem Drive Checking Complete
```

- Navigate to your VM's console
- You can tab to a set of informational TTY screens to check on the application by holding the **ALT** key + **Left arrow** or **Right arrow**

Step 14



- Verify the (3) services (depicted in the screenshot) are **active** and in the **running** state.
- On one of the TTY screens, you'll find details about network configuration of your server.
- The IP Address displaying correctly indicates your Dozuki OnPrem instance is accessible at that IP.
- You've now successfully installed the application! Please continue to configure the installation by navigating to your application's IT Management Console (<http://<YourVMsIPAdress>:8800>) and following our general installation procedure.