DOZUKI

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

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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



- 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

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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

🏠 New virtual machine - Dozuki OnP	rremise (ESXI 6.5 virtual machine)		1 New virts	al machine - Dozuki OnPr	emise (ESXI 6.5 virtual machine)		8 New virtual machine - Dozuki OnP	remise (ESXI 6.5 virtual machine)		
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- 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
 - In the Guest OS of the Virtual Machine is "Fedora" which is backwards compatible with CentOS/RHEL.

Step 6 — Install VM: 3 Select storage

😚 New virtual machine - Dozuki OnPre	mise (ESXI 6.5 virtual machine)					
 1 Select creation type 2 Select a name and guest OS 3 Select storage 4 Customize settings 5 Ready to complete 	Select storage Select the datastore in which to store the config The following datastores are accessible from th the virtual machine configuration files and all of	uration and disi e destination re- the virtual disks	k files. source that you	selected. Select	the destination	datastore for
	Name ~ datastore1	Capacity ~ 1.81 TB	Free ~ 1.75 TB	Type ~ VMFS5	Thin pro ~ Supported	Access ~ Single
vm ware [.]						
		_	Back	Next	Finish	Cancel

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

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

Select creation type Select a name and guest OS Select storage	Customize settings Configure the virtual machine hardw	vare and virtual machine additional options				
Customize settings Ready to complete	Virtual Hardware VM Options					
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	IMI Network Adapter 1	Image: Network Adapter 1 VM Network				
	GD/DVD Drive 1	Host device	 Connect 	\odot		
vm ware [®]	Video Card	Specify custom settings	•			
		Rook Novt	Finish	Con		

- 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

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- 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

😚 New Virtual machine - Dozuki OnP	remise (ESXI 6.5 virtual machine)	1 New Virtual Insultive - Output Onlywood BEALES stream manifest	1: New vitad matche - Social Collemina (ESC L1 vitad matche)
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- 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

 1 Select creation type 2 Select a name and guest OS 3 Select storage 	Ready to complete Review your settings selection before	e finishing the wizard
4 Customize settings	Name	Dozuki OnPremise
 Ready to complete 	Datastore	datastore1
	Guest OS name	CentOS 7 (64-bit)
	Compatibility	ESXi 6.5 virtual machine
	vCPUs	4
	Memory	8 GB
	Network adapters	1
	Network adapter 1 network	VM Network
	Network adapter 1 type	VMXNET 3
	IDE controller 0	IDE 0
	IDE controller 1	IDE 1
	SCSI controller 0	VMware Paravirtual
	SATA controller 0	New SATA controller
	Hard disk 1	
	Capacity	23GB
	Datastore	[datastore1] Dozuki OnPremise
	Mode	Dependent
	Provisioning	Thick provisioned, lazily zeroed
	Controller	SATA controller 0 : 0
	Hard disk 2	
	Capacity	16GB
	Datastore	[datastore1] Dozuki OnPremise
	Mode	Dependent
	Provisioning	Thin provisioned
	Controller	SATA controller 0 : 1
	CD/DVD drive 1	
	Backing	
1000 MIDKO	Connected	Yes
Villware	USB controller 1	USB 2.0

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

Step 12

						Power On your new virtual machine
vmware ESXi				root@res19239.jp	-158-69-64.net + Help + Q. Search •	,
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Step 13 — Using your VM Console



- 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

Every 5.0s: /usr/bin/systemctl list-unitsall replicated* Thu Nov 30 07:17:05 2017	Every 5.0s: ifconfig grep 'flags\linet' less	Thu Nov 30 07:17:11 2017	Every 5.0s:	free -h; ecl	ho; echo; df	-h			Thu Nov 30 07:17:11 2017
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		-	/dev/dm-5		196	3.66 6.5	6 36% /var/	lib/docker/	/devicemapper/mmt/F34c909aaF90dd

- 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.