

VMware Getting Started Guide

Overview

Much as one installs ZettaMirror onto a Mac, Windows, or Linux based machine in order to back it up, one installs the Zetta VMware Virtual Appliance into your VMware environment in order to back up your VMs. Advantages to using the Zetta VMware Virtual Appliance:

- One Virtual Appliance can protect multiple VMs across multiple physical hosts and underlying storage devices
- The Virtual Appliance can handle dynamic environments, automatically discovering new VMs and backing them up (or not, as you configure it).
- The Virtual Appliance enables more efficient backups, supporting VMware's Changed Block Tracking (CBT)

Note: This guide has been designed to get you up and running quickly and easily. However, if you have either of the following special cases (or if you ever need help) please send an email to support@zetta.net for assistance:

- Deployments with more than 15TB of data to protect inside your VMware environment.
- If you have multiple data centers/physical locations managed by a single vCenter instance.

Quick Start Guide

Table of Contents

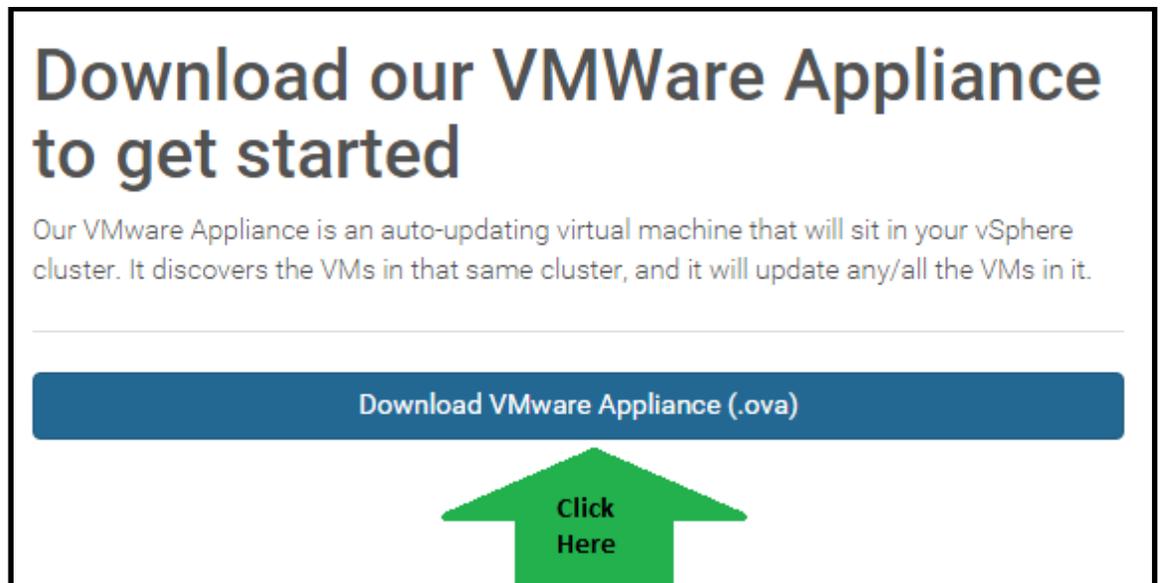
- I) [Downloading the Zetta VMware Virtual Appliance.](#)
- II) [Deploying the Zetta VMware Virtual Appliance.](#)
- III) [Configuring the Zetta VMware Virtual Appliance.](#)
- IV) [Setting up vCenter Virtual Machines for backup.](#)
- V) [Setting up Changed Block Tracking \(CBT\) in vCenter.](#)

I) Download the Zetta VMware Virtual Appliance.

- 1) Open your browser and navigate to <http://admin.zetta.net> and log in using your login credentials
- 2) Click on the "VMware" tab



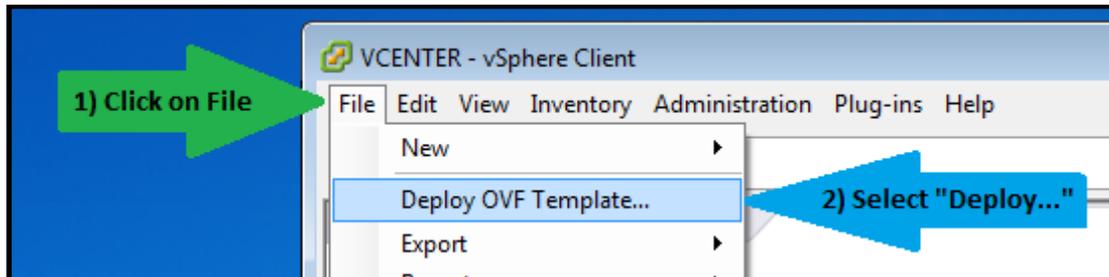
- 3) Click on "Download VMware Appliance (.ova)"



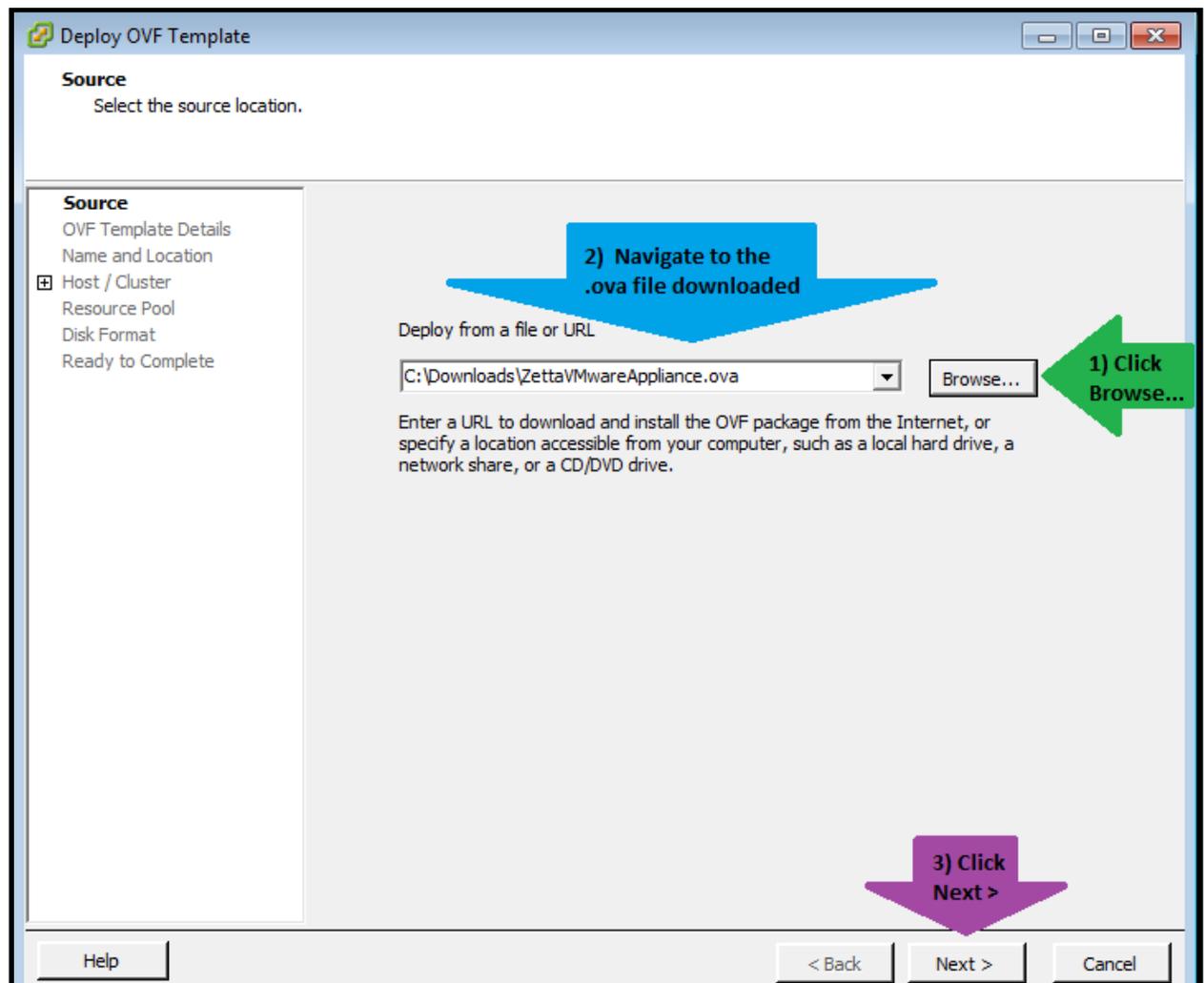
- 4) Please make note of the file name and directory where you saved the download.

II) Deploying the Zetta VMware Virtual Appliance

- 1) Open your vCenter - vSphere Client and log in.
- 2) In your vSphere Client click on "File" and then select "Deploy OVF Template..."



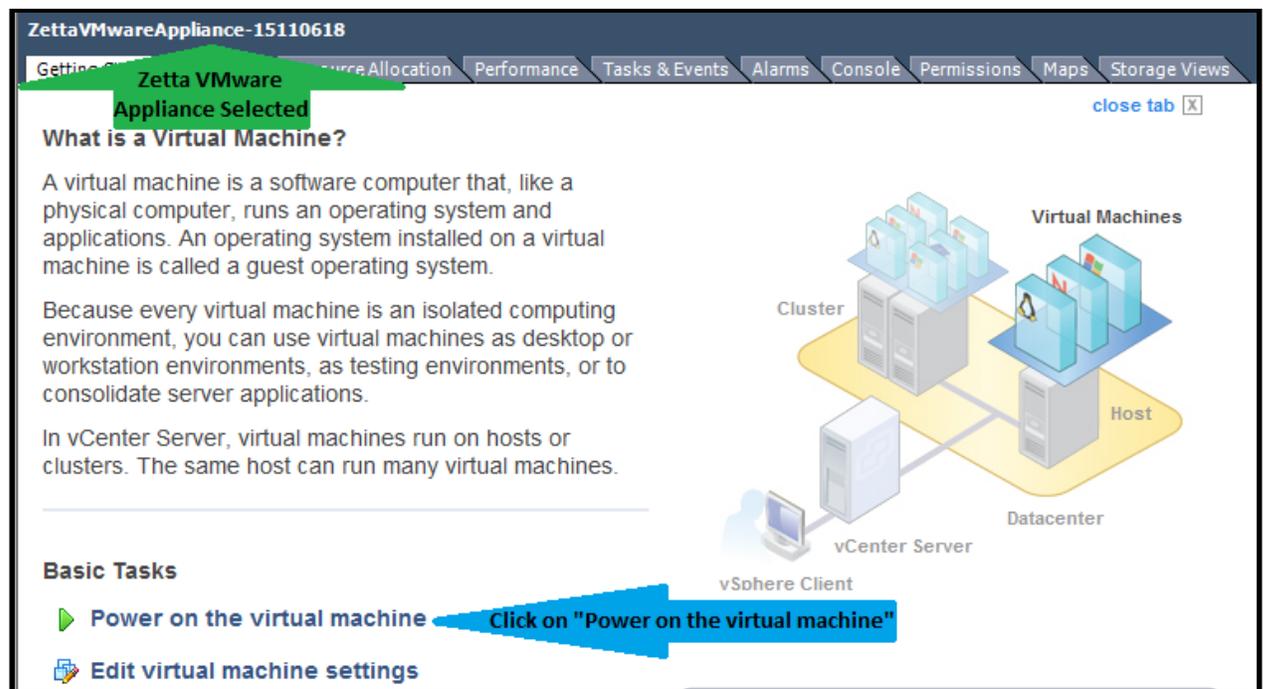
- 3) Click "Browse..." and navigate to the file you downloaded at the end of step I and then click on "Next >"



4) Go through the rest of the setup process until you get to "Ready to Complete" and click on "Finish". The Zetta VMware Virtual Appliance will now deploy. Once done click on "Close"

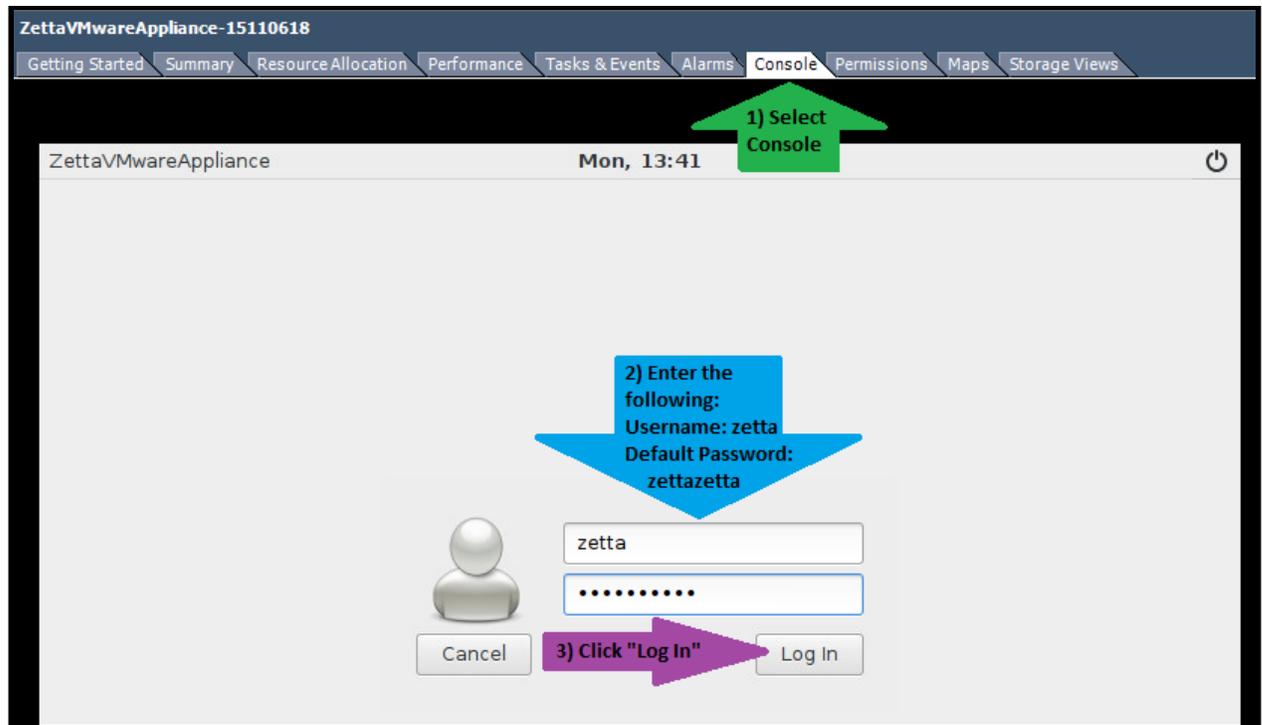


5) Navigate to and select the Zetta VMware Virtual Appliance and then click on "Power on the virtual machine"



III) Configuring the Zetta VMware Virtual Appliance

1) Once the Zetta VMware Virtual Appliance is powered on click on "Console". Your username is zetta and the default password is zettazetta.



2) Enter the email and password you use to log into the Zetta Service Management Portal, name the Virtual Appliance, and then click on "Continue to vCenter Configuration".

Configure ZettaMirror

Email

Password

System Name

[Continue to vCenter Configuration](#)

Click on "Continue to..." after entering your Email, Password and System Name

3) Enter your vCenter Server address, vCenter Username, and vCenter Password and then click on "Start the Magic".

Note: You can click on "Check Certificate" to verify that you trust the vCenter certificate before entering your login credentials.

VMware vCenter Credentials

vCenter Server

Username

Password

Start the Magic

Click on "Start the Magic" after entering your vCenter Server address, vCenter username, and vCenter password

4) You should get confirmation that everything is set up correctly.

Success!

Please check SMP to configure the virtual machines you want to backup. You may have to wait about 5 minutes before the data becomes available.

It may take around 5 minutes for the data to become available in the Zetta Service Management Portal.

5) Optional: Change your Zetta VMware Virtual Appliance password by clicking on "Change Appliance Password" and then entering your Current Password (default is zettazetta) and your New Password twice to confirm, then click "Make it Happen".

The screenshot shows the Zetta-net user interface for changing a password. At the top left is the Zetta-net logo. The top navigation bar includes links for "Your ZettaMirror Info", "Update vCenter Credentials", "Change Appliance Password", and "Logout". The main heading is "Change Your Password". Below the heading are three input fields: "Current Password", "New Password", and "Confirm Password". A dark blue button labeled "Make it Happen" is positioned below the input fields. Four numbered instructions with arrows point to specific elements: 1) An orange arrow points to the "Change Appliance Password" link. 2) A green arrow points to the "Current Password" input field. 3) A blue arrow points to the "New Password" and "Confirm Password" input fields. 4) A purple arrow points to the "Make it Happen" button.

Zetta-net Your ZettaMirror Info Update vCenter Credentials Change Appliance Password Logout

Change Your Password

1) Click on "Change Appliance Password"

2) Enter current password (Default is zettazetta)

Current Password

New Password

Confirm Password

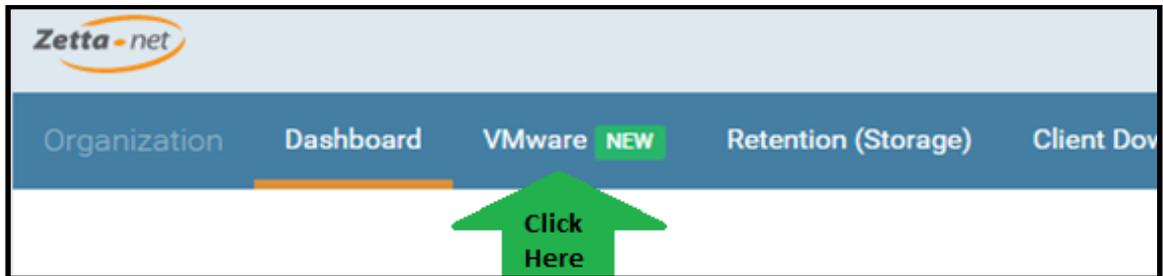
3) Enter and confirm your new password

Make it Happen

4) Click on "Make it Happen" to finalize your password changes

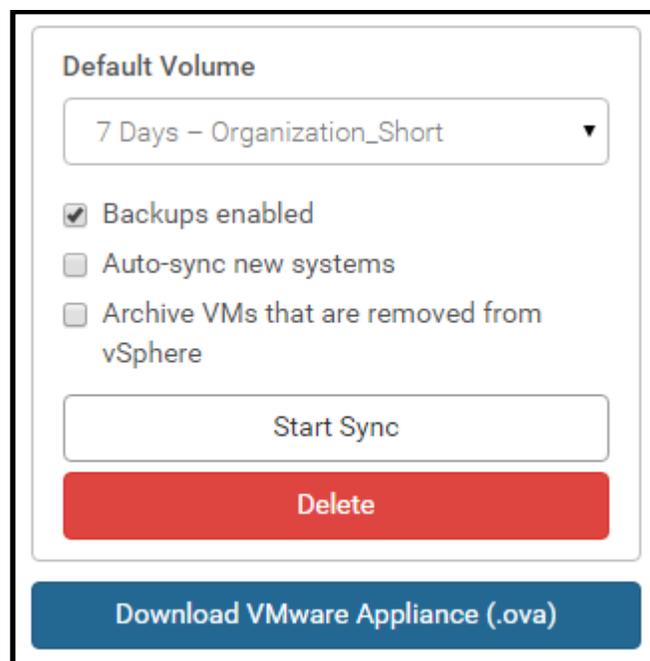
IV) Setting up vCenter Virtual Machines for backup

1) Log into the Zetta Service Management Portal portal and click on the "VMware" tab



2) On the left-hand side of the VMware screen you can view and change options that affect all of your virtual machines. Options include:

- Change the default volume systems are backed up to (use a volume set to 7 day retention only; see [Controlling Snapshot Growth Knowledge base Article](#) for more information).
- Globally enable or disable all syncs from this Virtual Appliance by checking or un-checking the "Backups enabled" option.
- Globally enable the backup of new VMs every time you select to "Refresh VM List" (see below).
- Set Zetta to maintain backed up data for virtual machines that have been removed from your vSphere.
- Start syncs for all enabled virtual machines
- Delete all of your settings across all of your virtual machines
- Download a new VMware Virtual Appliance for installation in another vCenter.



3) On the right-hand side of the VMware screen you can view and change options that affect individual virtual machines. Options include:

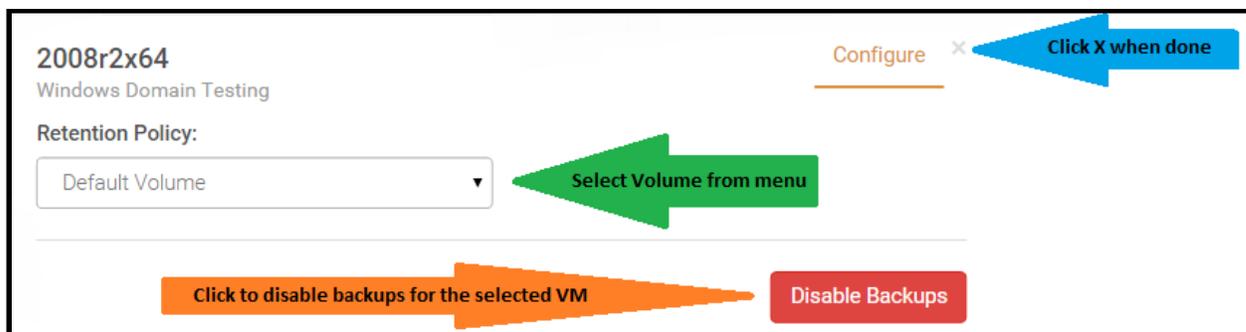
- Refresh the list of Virtual Machines (scans vCenter and discovers any new/changed VMs)
- Sort the list of Virtual Machines by Status, Last Backup time, and those Not Backed up
- Filter the list of Virtual Machines based on a text search parameter (exact match only)
- Enable all Virtual Machines that aren't currently being backed up. All of the VMs enabled in this way will use the default volume set above.

The screenshot shows the VMware Virtual Machines management interface. At the top, it says "Virtual Machines" and "Last refreshed: a few seconds ago – Refresh VM List". A green arrow points to the "Refresh VM List" link. Below this, there are sorting options: "Sort by: Status | Last Backup Time | Non-backed Up". A blue arrow points to the "Sort Listed Virtual Machines" text. To the right, there is a search box containing "204 VMs" and a "Search..." input field. A purple arrow points to this search box with the label "Filter list of Virtual Machines". Below the search box is a button that says "Enable the 204 VMs that aren't being backed up". An orange arrow points to this button with the text "Set all Virtual Machines that aren't enabled to back up using the default Volume set above."

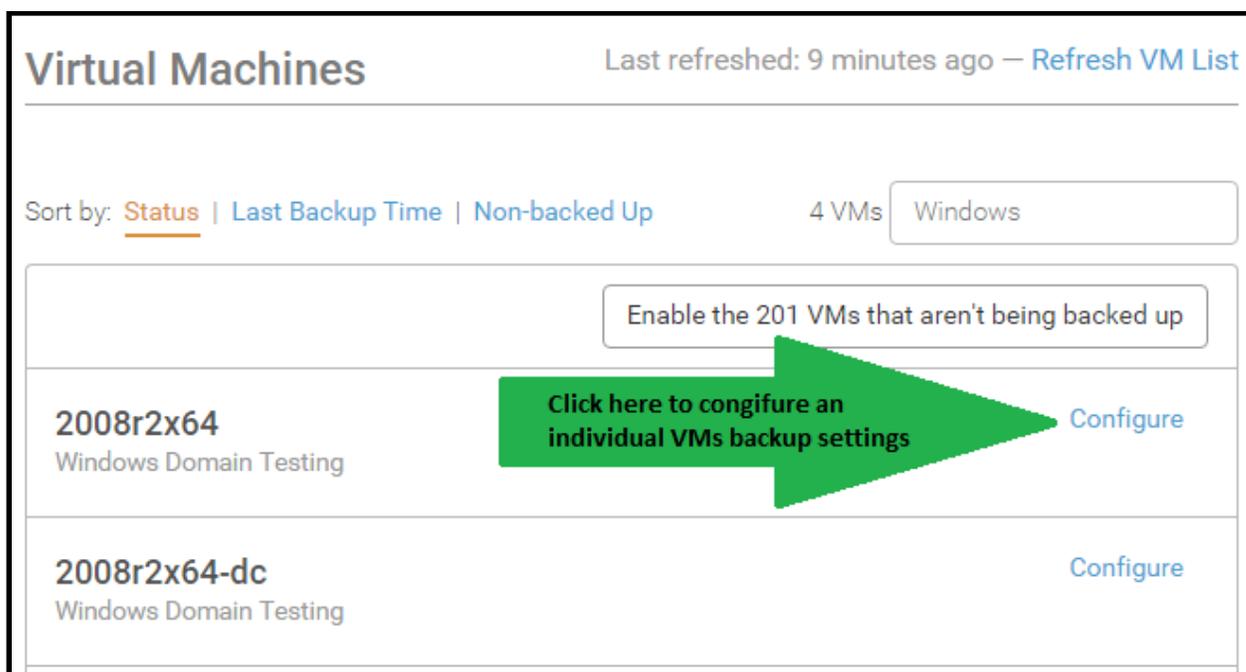
4) To enable an individual virtual machine, use the Search feature to narrow it down and then click "Enable" next to an individual virtual machine to enable backups.

This screenshot shows the same VMware Virtual Machines interface, but the search box now contains "Windows" and the count shows "4 VMs". A green arrow points to the search box with the text "1) Use search to filter to the VM you are enabling". Below the search box is the same "Enable the 204 VMs that aren't being backed up" button. In the list below, a virtual machine named "2008r2x64" (Windows Domain Testing) is visible. A blue arrow points to the "Enable" button next to this VM with the text "2) Click to enable the VM indicated to the left".

5) This will open the "Configure" option. Here you can change the volume you are syncing the individual virtual machine to (please see [Controlling Snapshot Growth Knowledge base Article](#) before changing to longer than 7 day retention). Additionally, you can disable backups for the individual virtual machine.



6) If you ever need to change settings for an individual virtual machine, you can access the Configuration menu by clicking "Configure" next to any enabled virtual machine.



7) Click "Start Sync" as noted above in step 2 to start syncing all enabled virtual machines at any time. Alternatively, they will automatically be synced according to the Job Management schedule set up for your account in the Zetta Service Management Portal.

V) Setting up Changed Block Tracking (CBT) in vCenter

While ZettaMirror always creates "correct" backups from a data integrity point of view, you can have faster backup times and less load on your storage and internal network transfer by enabling [CBT](#).