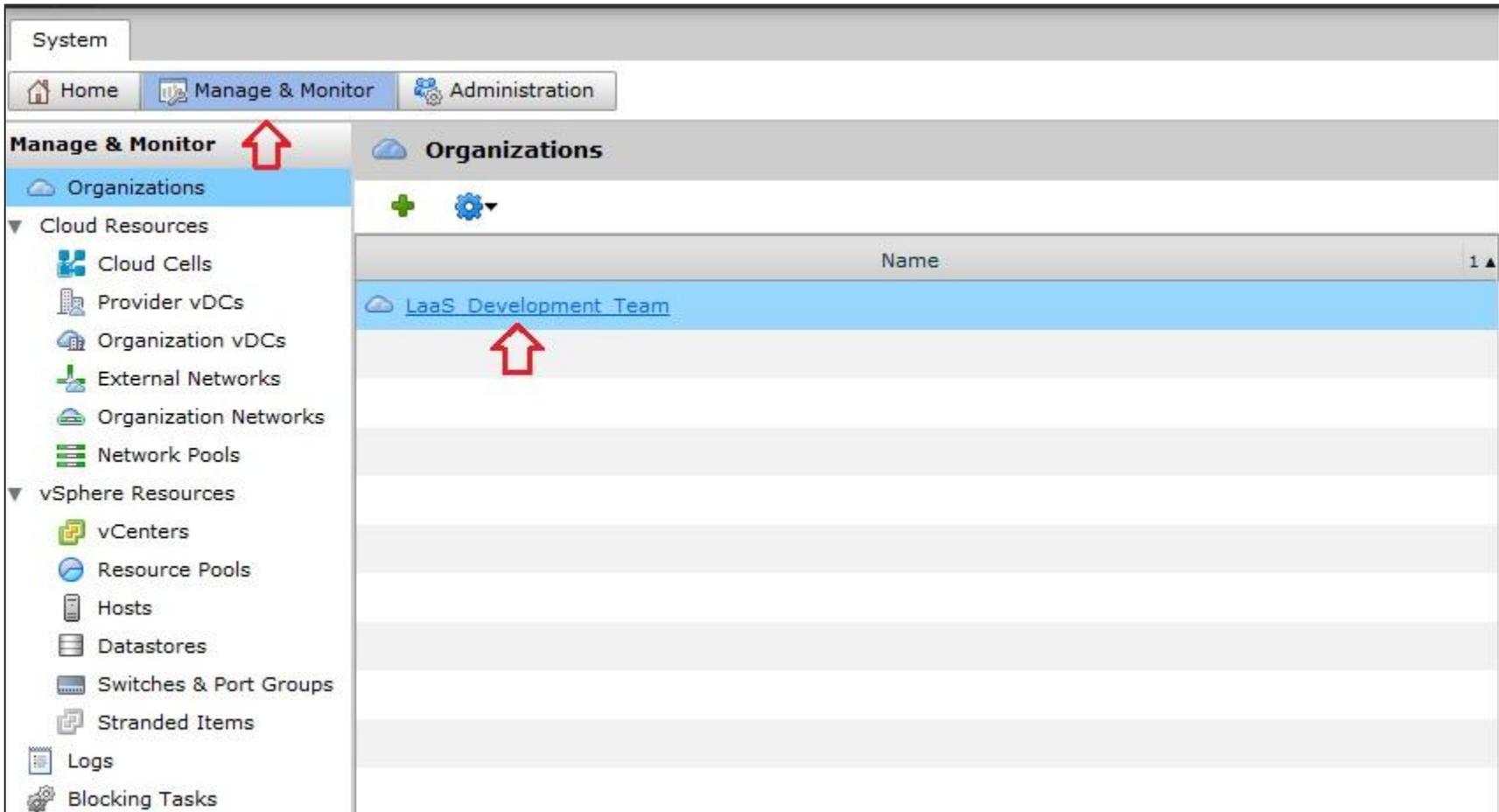


# How to Create a vCloud Director vApp Template



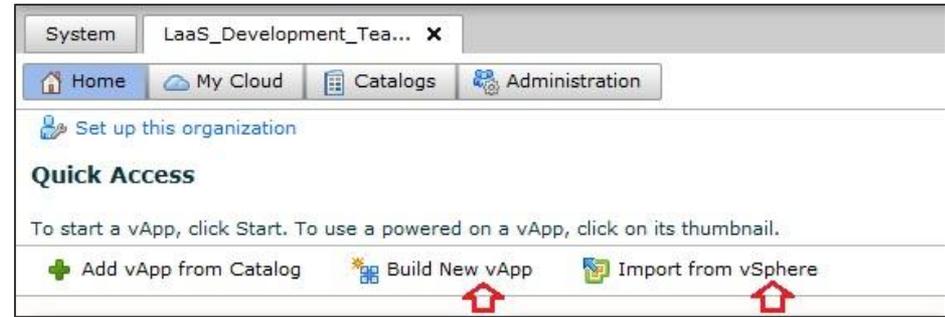
# Login to the Organization



- Login to the correct organization by selecting *Manage & Monitor*, then choosing from the available organizations.

# Select Deployment Method and Name vApp

- Choose *Build New vApp* or *Import from vSphere*, depending on your planned deployment method.

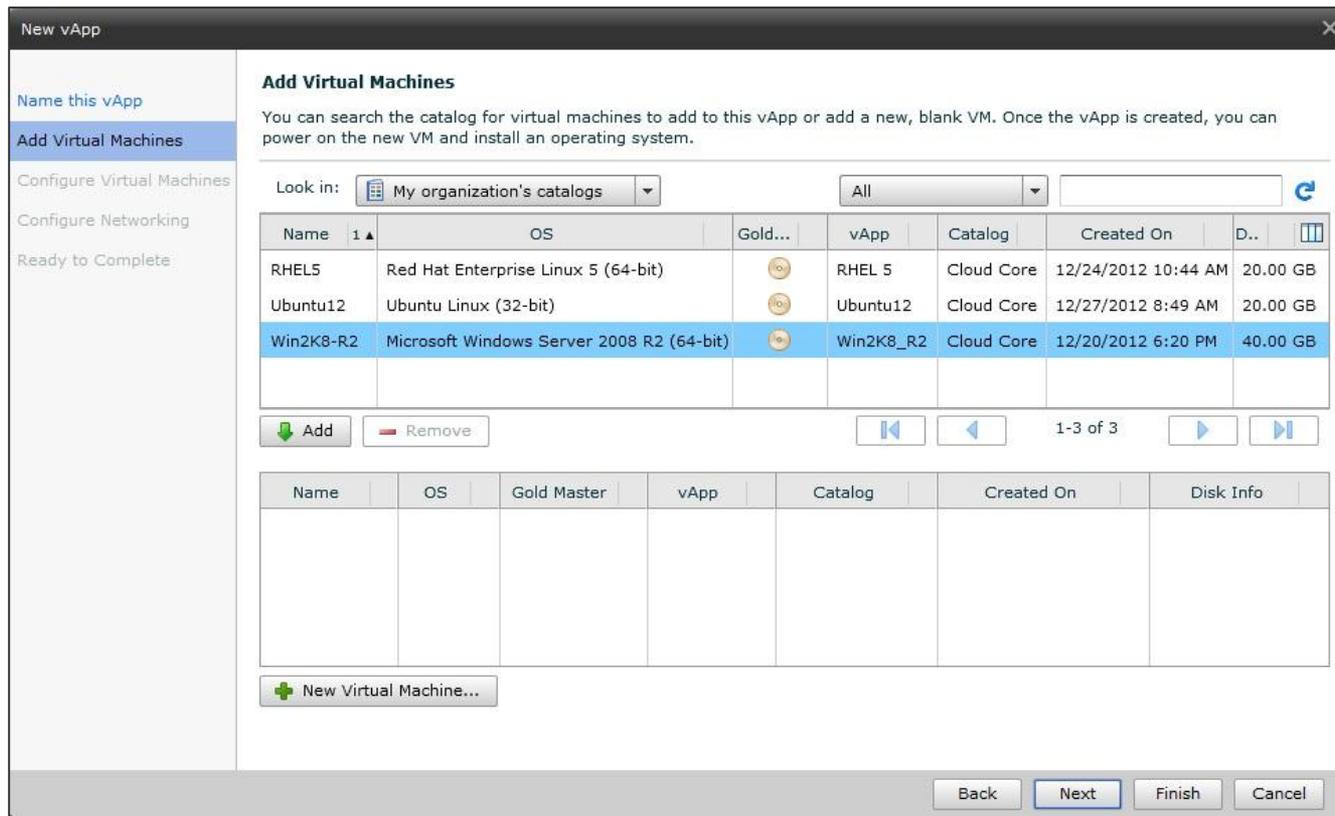
A screenshot of the 'New vApp' wizard. The left sidebar shows a progress list: 'Name this vApp' (selected), 'Add Virtual Machines', 'Configure Virtual Machines', 'Configure Networking', and 'Ready to Complete'. The main area is titled 'Name this vApp' and contains the following fields:

- Name:** A text input field with a red border and an asterisk, indicating it is required.
- Description:** A larger text input field.
- Leases:** Two rows of lease settings, each with a red asterisk:
  - Runtime lease:** A dropdown menu set to '90', a 'Days' unit selector, and an expiration time of 'Expires on: 03/27/2013 3:03 PM'. Below it is the text: 'How long this vApp can run before it is automatically stopped.'
  - Storage lease:** A dropdown menu set to '90', a 'Days' unit selector, and an expiration time of 'Expires on: 03/27/2013 3:03 PM'. Below it is the text: 'When this vApp is stopped, how long it is available before being automatically cleaned up.'

At the bottom of the wizard, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'. The 'Next' button is highlighted.

- We selected *Build New vApp* and will need to fill out the appropriate information before selecting *Next*.

# Select Image from Catalog or Create New VM



- Once you have named the vApp Template, you will need to select a vApp Template already in the catalog or create a new VM.
- Click on the desired template, then select the *Add* button, followed by next.

# Naming and Networking

New vApp

**Configure Virtual Machines**

Select the virtual datacenter (vDC) in which this vApp is stored and runs when it's started. Name each virtual machine and select the network to which you want it to connect. You can configure additional properties for virtual machines after you complete this wizard.

Select virtual datacenter:

Show network adapter type  
Adapter choice can affect both networking performance and migration compatibility. Consult the VMware KnowledgeBase for more information on choosing among the network adapter support for various guest operating systems and hosts.

Full Name	Computer Name	Primary NIC	Network	IP Assignment
<input type="text" value="Win2K8-R2"/>	<input type="text" value="Win2K8-R2-0"/>	<input checked="" type="radio"/> NIC 0	<input type="text" value="None"/>	<input type="text"/> *

Back Next Finish Cancel

- Here you can create a set the name of the vApp as well as the Computer Name.

# Confirm Configuration

The screenshot shows the 'New vApp' wizard in a 'Ready to Complete' state. The left sidebar contains navigation links: 'Name this vApp', 'Add Virtual Machines', 'Configure Virtual Machines', 'Configure Networking', and 'Ready to Complete' (which is highlighted). The main area displays the following configuration details:

**Ready to Complete**  
You are about to create a vApp with these specifications. Review the settings and click Finish.

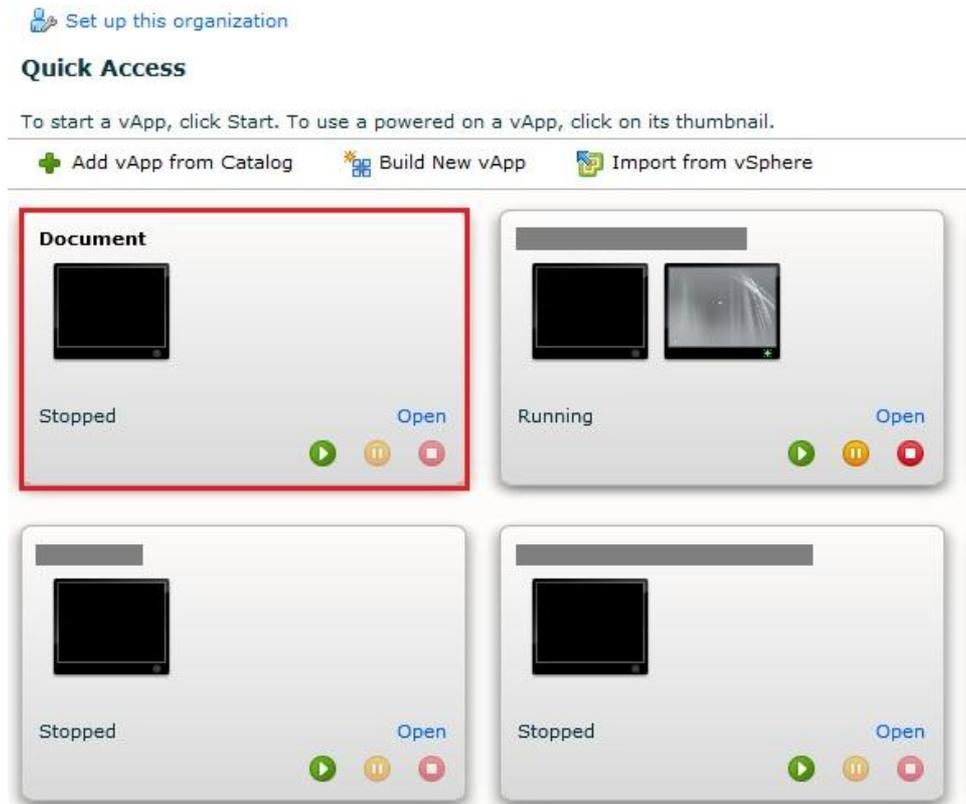
Name:	Document
Description:	Procedure Document
Owner:	barned1
Runtime lease:	90 Days
Runtime lease expiration:	03/27/2013 3:05 PM
Storage lease:	90 Days
Storage lease expiration:	03/27/2013 3:05 PM
VMs - 1:	Win2K8-R2 - Microsoft Windows Server 2008 R2 (64-bit)
Networks - 0:	

At the bottom right, there are four buttons: 'Back', 'Next', 'Finish' (highlighted), and 'Cancel'.

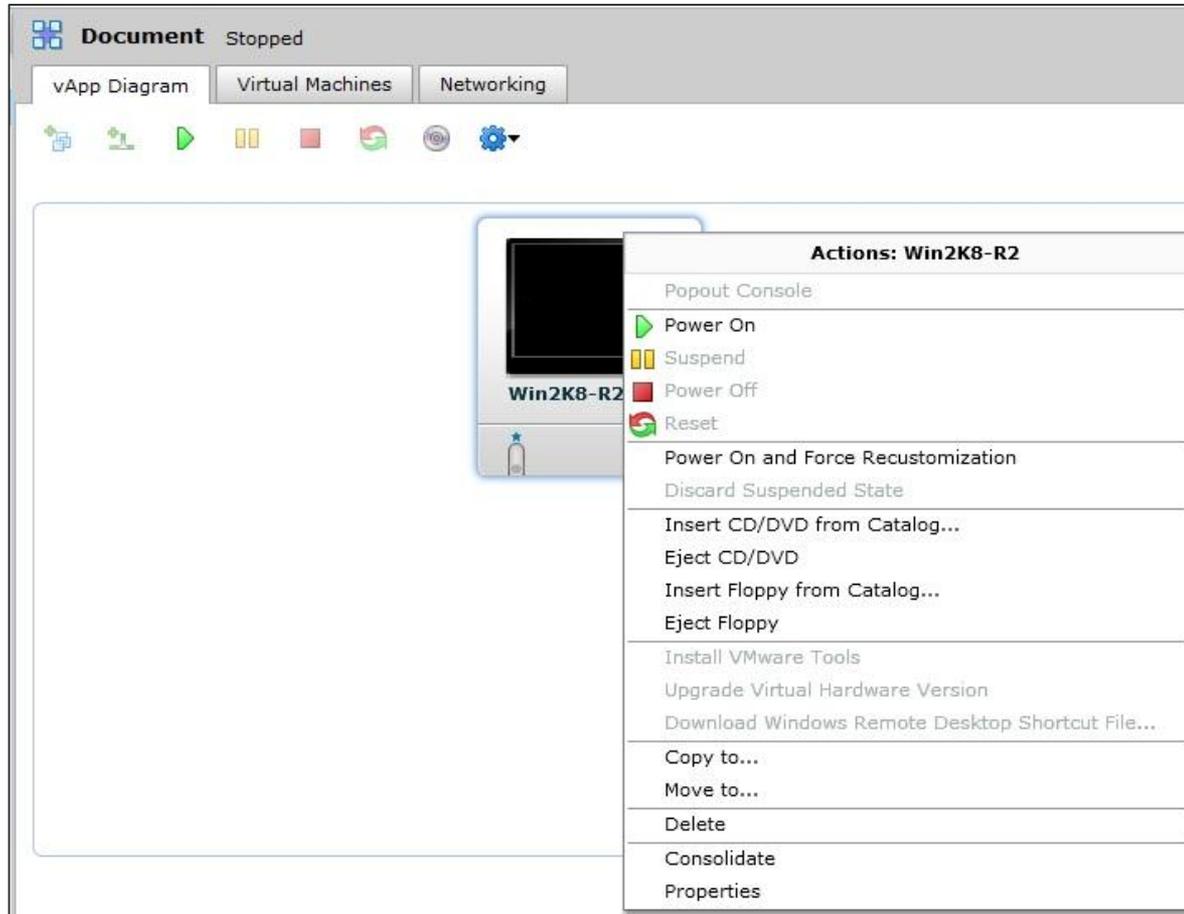
- Select *Finish* to start to vApp Template creation.

# After Creation

- After creation of the vApp you will notice it appear in your *Home* area.
- This is where all of your running vApps are stored.
- **If you are confident that VMware Tools are already installed and you wish to use guest customization, DO NOT power on the VM at this point!**

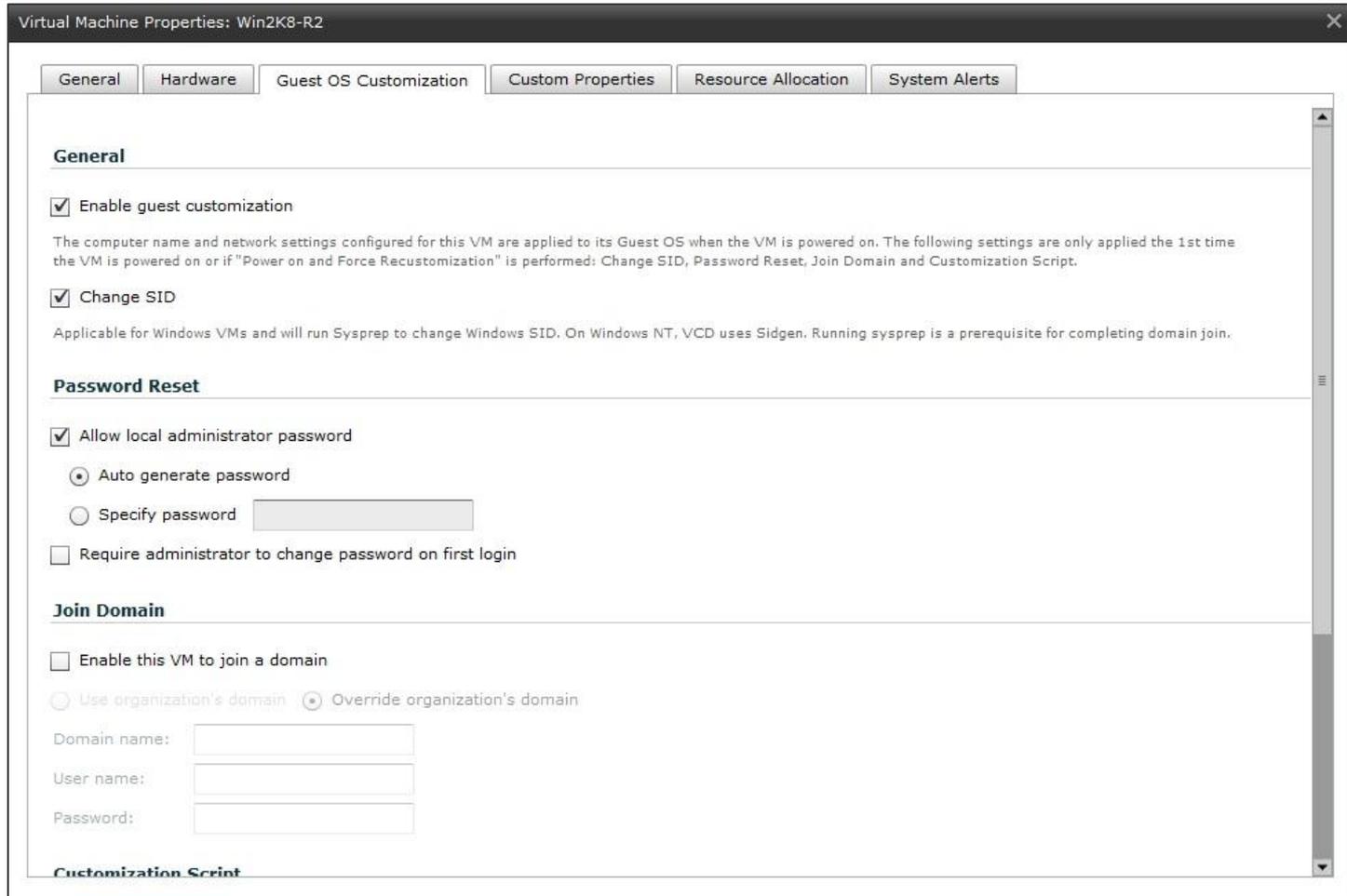


# vApp Properties



- Right-click on the VM you wish to customize and select *Properties*, which shows you all the configuration properties of the vApp.

# Guest Customization



In order to use guest customization you must check it's corresponding check box, in the top left corner under the *Guest OS Customization* tab.

# During Customization

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- At this point you can now power on the VM for the first time.
- It is important to note that you should not attempt to login to this VM as it will reboot after it is powered on, to allow the customization process.

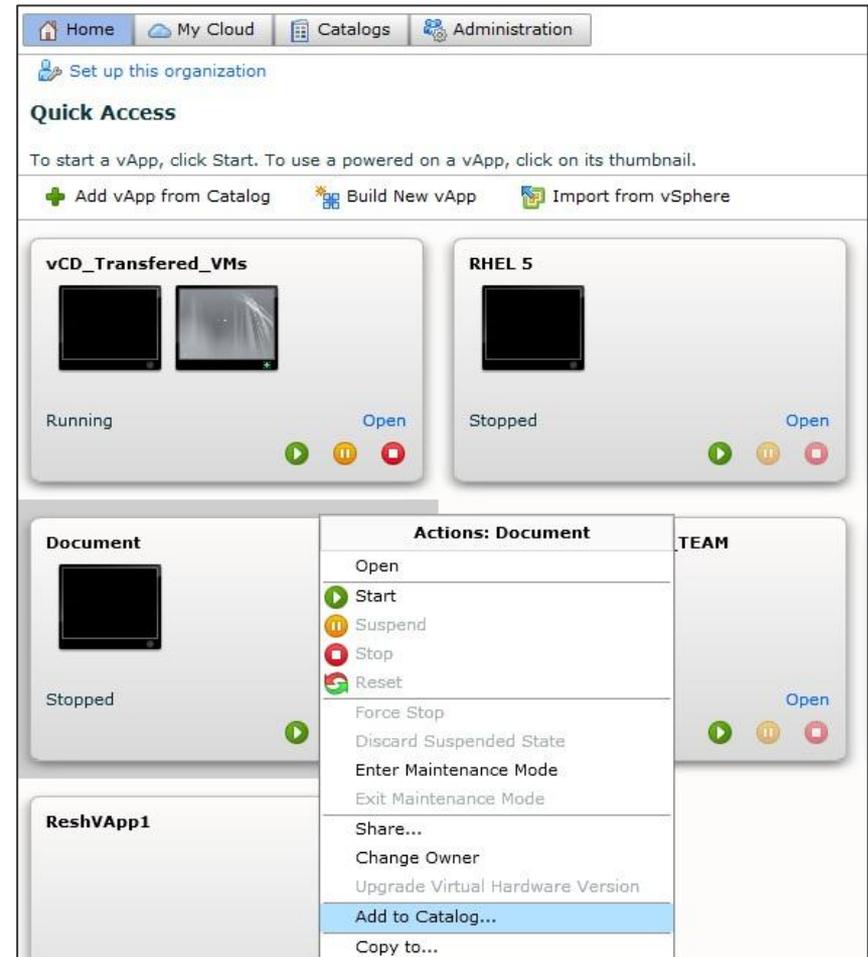


Setup is preparing your computer for first use

- After the reboot for customization you will see the image above.
- Once the process is complete you should be able to now login to the VM, using the password model specified under the *Guest OS Customization* in VM properties.

# Add to Catalog

- Before attempting to add the vApp template to the catalog, you must power off the vApp and all VMs within it.
- After powering down the vApp, you should be able to right-click the vApp and select *Add to Catalog*.



# Naming Catalog Entry

Add to Catalog: Document

Add this vApp to catalog:

Name: Document Template

Description:

Virtual datacenter: LaaS\_DEV\_PAYGO

Catalog: Cloud Core Portal This catalog is local to your organization.

Storage lease: Never Expires Hours \*

When this vApp is stopped, how long it is available before being automatically cleaned up.

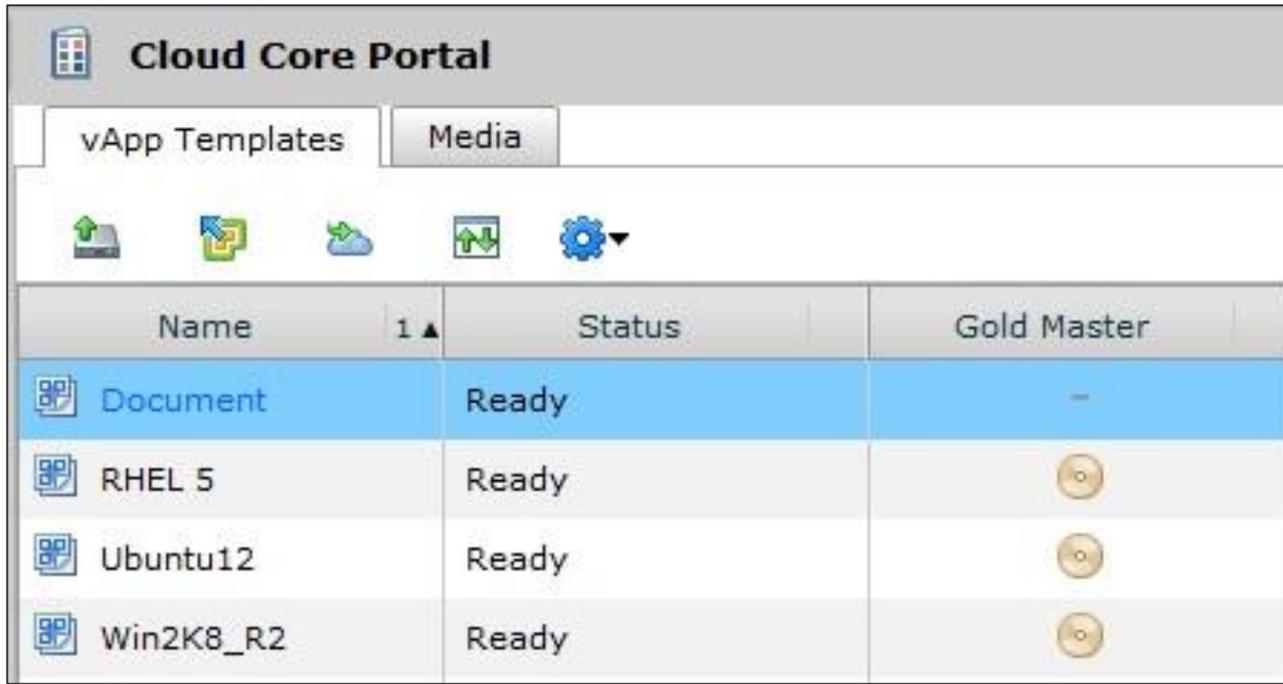
When using this template:  Make identical copy  Customize VM settings

This setting applies when creating a vApp based on this template. It is ignored when building a vApp using individual VMs from this template.

OK Cancel

- Here you name the vApp Template and select the catalog you would like to publish it to (be sure to publish to the correct catalog).
- By selecting OK, you will publish your VM in it's current state to the selected catalog.

# Catalog View



The screenshot shows the 'Cloud Core Portal' interface. At the top, there are two tabs: 'vApp Templates' (selected) and 'Media'. Below the tabs is a toolbar with icons for upload, copy, refresh, sync, and settings. The main area is a table with the following columns: 'Name', 'Status', and 'Gold Master'. The table contains four rows of vApp templates.

Name	Status	Gold Master
Document	Ready	-
RHEL 5	Ready	
Ubuntu12	Ready	
Win2K8_R2	Ready	

- Now you can see the vApp you have created is now published into the catalog you selected in the previous step.