

NAME – SACHIN CHOUDHARY

REG NO – 12013255

ROLL NO – 21

1.CREATE VM WITH NAME AND ROLLNUMBER

The screenshot displays the vSphere Client interface for a virtual machine named 'sachin 12013255'. The interface is divided into several sections:

- Left Panel:** A tree view showing the hierarchy of the vSphere environment, including 'vcsa-01a.corp.local', 'RegionA01', and 'RegionA01-COMP01'. The virtual machine 'sachin 12013255' is selected.
- Summary Tab:** The main content area shows the 'Summary' tab for the selected VM. It includes a 'Powered On' status indicator, a 'Launch Web Console' button, and a 'Launch Remote Console' button. A yellow warning banner indicates that 'VMware Tools is not installed on this virtual machine.' with a link to 'Install VMware Tools...'. Below this, there are sections for 'VM Hardware', 'Related Objects', and 'Notes'.
- Right Panel:** A 'SWITCH TO NEW VIEW' button is present. Below it, there are three sections: 'CPU USAGE' (419 MHz), 'MEMORY USAGE' (1.32 GB), and 'STORAGE USAGE' (6.08 GB).
- Recent Tasks:** A table at the bottom shows the history of tasks performed on the VM. The table has columns for Task Name, Target, Status, Details, Initiator, Queued For, Start Time, Completion Time, and Server.

Task Name	Target	Status	Details	Initiator	Queued For	Start Time	Completion Time	Server
Initiated VMware Tools Installer Mount	sachin 12013255	Completed		CORP\Administrator	4 ms	03/27/2023, 12:22:34 AM	03/27/2023, 12:22:34 AM	vcsa-01a.corp.local

2. EXPLAIN TAG AND CATEGORY WITH IMPLEMENTATION-

TAG – A tag is a label that can be applied to objects in the vSphere inventory . During tag creation, it is essential to assign the tag to a category.

CATEGORY – Category enables the grouping of associated tags, providing a means to organize objects. As we create categories, we can define the types of objects associated with each tag. Furthermore, it is possible for multiple tags within a category to apply to a single object.

Steps to create tags and category :-

first I have created tag with desired name and description

Then I have created particular category for this tag that I have selected in.

Then in virtual machine I had assigned my tag

vcsla-01a.corp.local/ui/app/vm:nav=v:urn:vmomi:VirtualMachine:vm-5001:b94976c2-a621-4950-a9e0-5db7b376abb6/summary

HOL Admin vSphere Web Client esx-03a

vm vSphere Client Menu Search in all environments Administrator@CORP.LOCAL

sachin12013255 ACTIONS

Summary Monitor Configure Permissions Datastores Networks Snapshots Updates

Networks VM Network

Storage ds-iscsi01

Tags

Assigned Tag	Category	Description
New Tag2	cat1	new tag2
New Tag1	cat1	new tag1
New Tag3	cat1	

3 items

Assign... Remove...

Recent Tasks Alarms

Task Name	Target	Status	Details	Initiator	Queued For	Start Time	Completion Time	Server
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3.CREATE TEMPLATE :-

vcsla-01a.corp.local/ui/app/vm:nav=h:urn:vmomi:VirtualMachine:vm-5001:b94976c2-a621-4950-a9e0-5db7b376abb6/summary

HOL Admin vSphere Web Client esx-03a

vm vSphere Client Menu Search in all environments Administrator@CORP.LOCAL

sachin12013255 ACTIONS

Summary Monitor Configure Permissions Datastores Versioning Updates

Guest OS: Other 3x Linux (64-bit)
Compatibility: ESXi 7.0 and later (VM version 17)
VMware Tools: Running, version:10282 (Guest Managed)
More info
DNS Name: sachin12013255
IP Addresses: 192.168.100.103
View all 2 IP addresses
Host: esx-01a.corp.local

Versioning

Versioning information is only available for templates in a Published or Local Content Library. To add a template to an existing content library, select a VM and select "Clone as Template to Library".

VM Hardware

Tags

Assigned Tag	Category	Description
New Tag2	cat1	new tag2

Recent Tasks Alarms

Task Name	Target	Status	Details	Initiator	Queued For	Start Time	Completion Time	Server
Mark virtual machine as template	sachin12013255	Completed		CORP\Administrator	6 ms	03/27/2023, 1:10:47 AM	03/27/2023, 1:10:47 AM	vcsla-01a.corp.local

More Tasks

ENG 1:11 AM