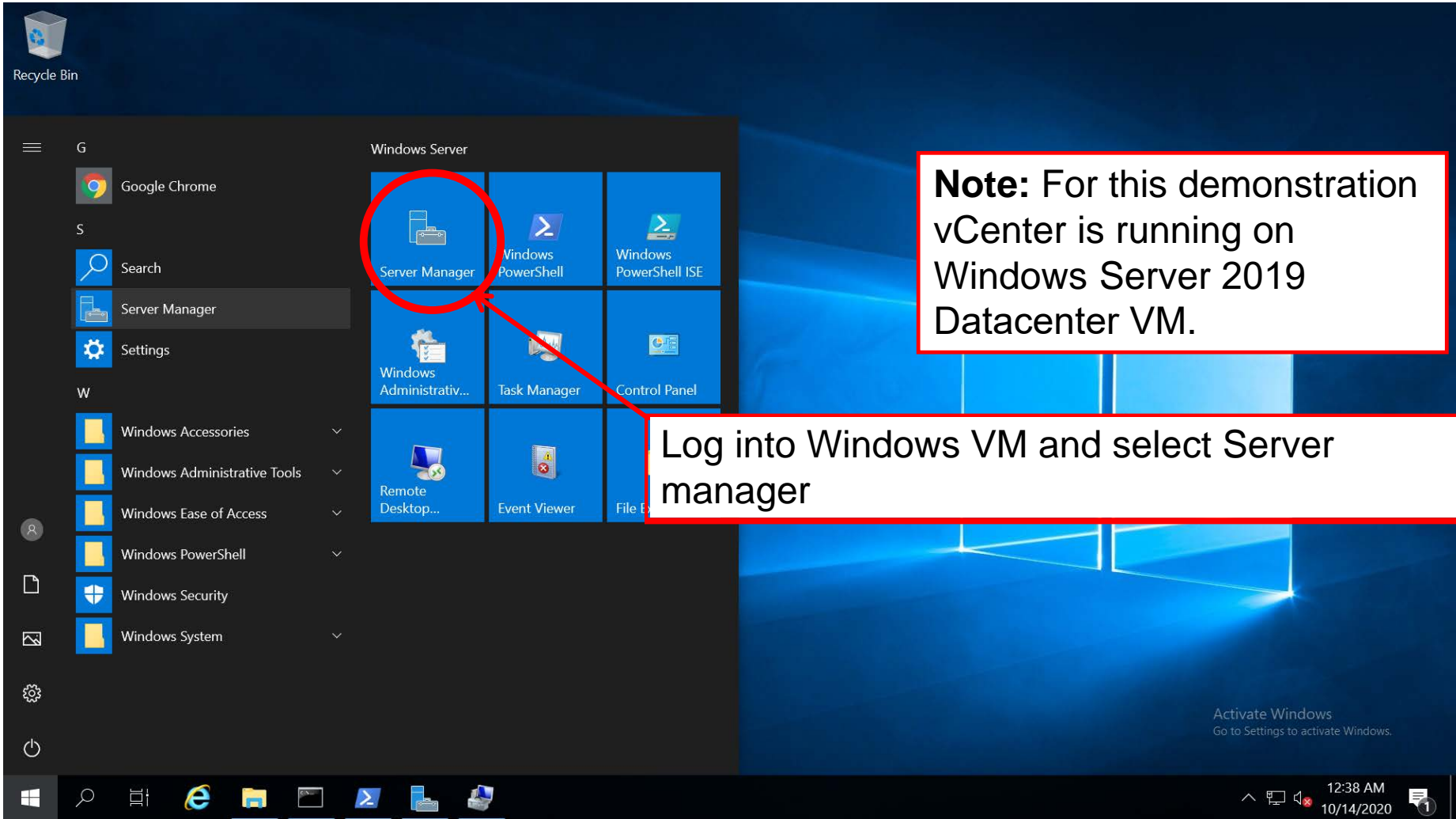




**How to configure local account on
Windows VM running vCenter Server
for use with PowerChute Network Shutdown
Version 3.1 and 4.x**



Server Manager ▸ Local Server

Dashboard
Local Server
All Servers
File and Storage

PERFORMANCE

2 am 4 am 6 am 8 am 10 am 12 pm 2 pm 4 pm

Available Memory

Filter

Server Name	Counter Status	CPU Alert Count	Memory Alert Count	First Occurrence	Last Occurrence
WINVSAN	Off	-	-	-	-

ROLES AND FEATURES
All roles and features | 13 total

Filter

Server Name	Name	Type	Path
WINVSAN	XPS Viewer	Feature	XPS Viewer

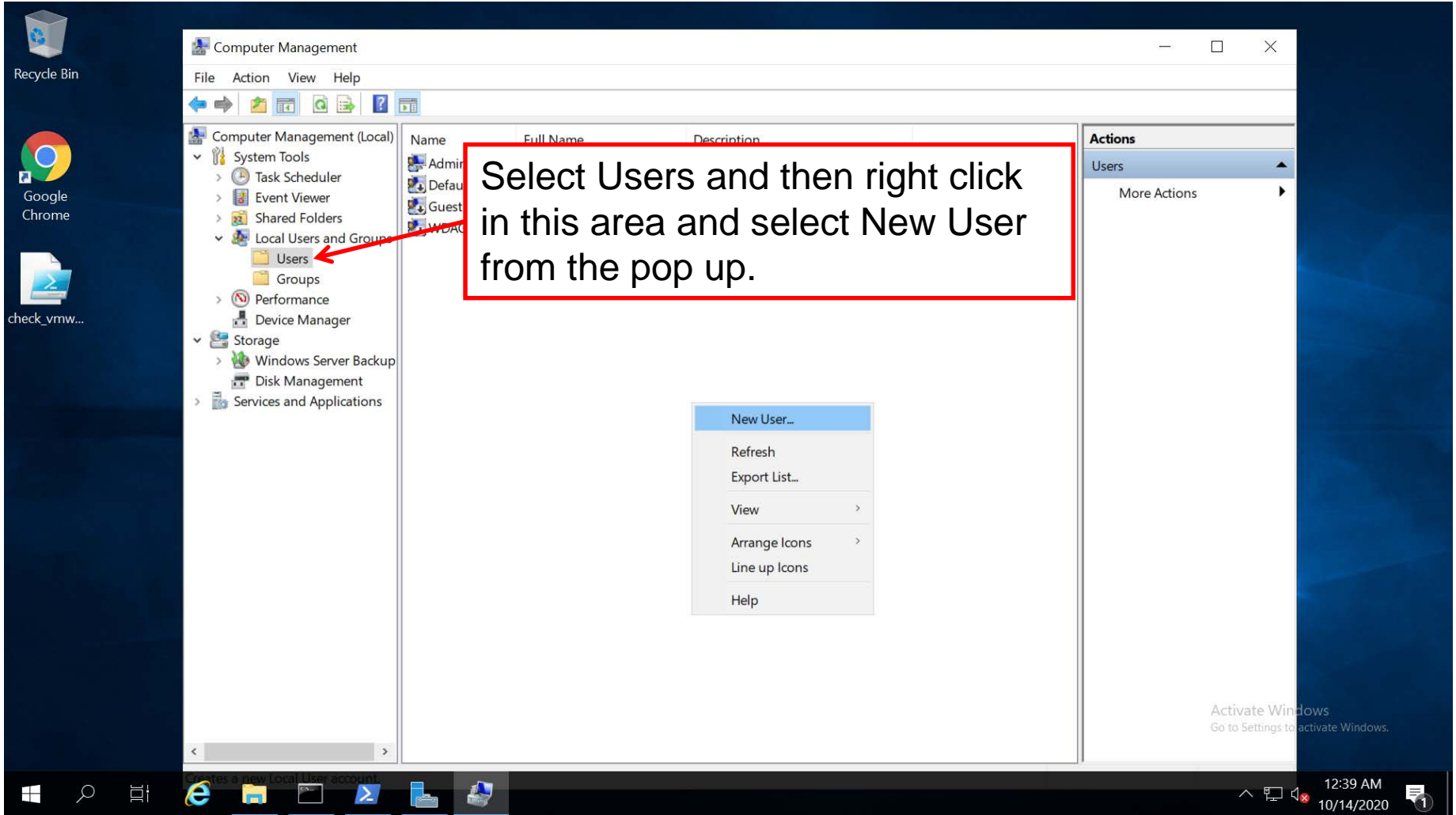
Manage Tools View Help

- Component Services
- Computer Management
- Defragment and Optimize Drives
- Disk Cleanup
- Event Viewer
- iSCSI Initiator
- Local Security Policy
- Microsoft Azure Services
- ODBC Data Sources (32-bit)
- ODBC Data Sources (64-bit)
- Performance Monitor
- Print Management
- Recovery Drive
- Registry Editor
- Resource Monitor
- Services
- System Configuration
- System Information
- Task Scheduler
- Windows Defender Firewall with Advanced Security
- Windows Memory Diagnostic
- Windows PowerShell
- Windows PowerShell (x86)
- Windows PowerShell ISE
- Windows PowerShell ISE (x86)
- Windows Server Backup

Activate Windows
Go to Settings to activate Windows

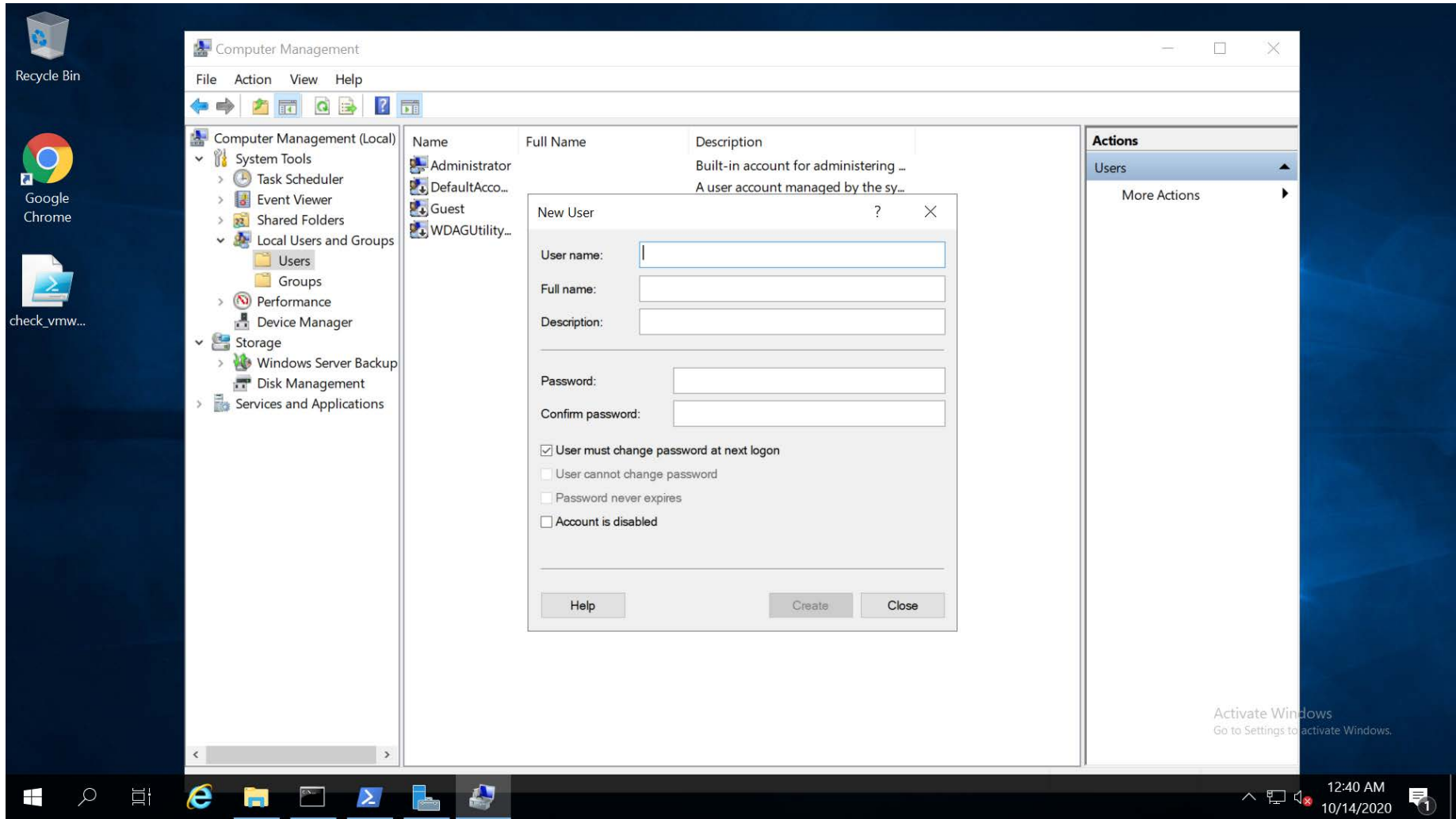
12:36 AM
10/14/2020

Right-click on Tools and click Computer Management.



Select Users and then right click in this area and select New User from the pop up.

- New User...
- Refresh
- Export List...
- View >
- Arrange Icons >
- Line up Icons
- Help



Enter the new user's name and password.

Computer Management

File Action View Help

Computer Management (Local)

- System Tools
 - Task Scheduler
 - Event Viewer
 - Shared Folders
- Local Users and Groups
 - Users
 - Groups
- Performance
- Device Manager
- Storage
 - Windows Server Backup
 - Disk Management
- Services and Applications

Name	Full Name	Description
Administrator		Built-in account for administering ...
DefaultAcco...		A user account managed by the sy...
Guest		
WDAGUtility...		

New User

User name: ponsadmin

Full name: PowerChute Network Shutdown

Description: PCNS user

Password:

Confirm password:

User must change password at next logon

User cannot change password

Password never expires

Account is disabled

Help Create Close

Click Create

Activate Windows
Go to Settings to activate Windows.

12:43 AM
10/14/2020

Note: the password should never expire.

The screenshot shows the Windows Computer Management console. The left-hand navigation pane is expanded to 'Local Users and Groups' > 'Users'. The main pane displays a list of users with the following columns: Name, Full Name, and Description. A new user, 'pcnsadmin', is highlighted in blue. A red arrow points from a text box to the 'pcnsadmin' entry. The 'Actions' pane on the right shows 'Users' and 'pcnsadmin' with expandable 'More Actions' menus.

Name	Full Name	Description
Administrator		Built-in account for administering ...
DefaultAcco...		A user account managed by the sy...
Guest		Built-in account for guest access t...
pcnsadmin	PowerChute Network Sh...	PCNS user
WDAGU...		A user account managed and used...

There is now a new local user created on the Windows Server.

12:45 AM
10/14/2020

After creating the local user on Windows VM log out of the VM and log into vCenter Server via vSphere Web Client 6.7.

The image shows a browser window displaying the VMware vSphere login page. The browser's address bar shows the URL: `vcsa7bkb.hbnblr.net/webssso/SAML2/SSO/vsphere.local?SAMLRequest=zVRdb5swFH3fr0B%2BDwZCS2olqdJk1aK1a1ayatrLZOCmsWRs5msg%2FfczJF...`. The page features the VMware logo and the text "VMware® vSphere". Below this, there are input fields for "example@domain.local" and "Password", and a checkbox for "Use Windows session authentication". A "LOGIN" button is positioned below the password field. The browser's status bar at the bottom indicates "Not secure". The Windows taskbar is visible at the bottom of the screen, showing the Start button, search icon, task view icon, and several application icons including Edge, File Explorer, and Chrome. The system tray on the right shows the time as 12:51 AM on 10/14/2020, along with network, volume, and notification icons. A watermark for "Activate Windows" is visible in the bottom right corner of the browser window.

Once in vSphere Client, select the top level, then open the Permissions tab, and click + to add a new user.

The screenshot shows the vSphere Web Client interface. The Navigator pane on the left shows the hierarchy: Datacenter > Standard VSAN cluster. The main pane displays the Permissions tab for the selected object. A table lists the current permissions, and a '+' icon is visible in the top left of this table, indicating where to click to add a new user.

User/Group	Role	Defined in
VSPHERE.LOCAL\vsphere-webclient-8c2...	Read-only	Global Permission
VSPHERE.LOCAL\vpzd-extension-8c230f...	Administrator	Global Permission
VSPHERE.LOCAL\vpzd-8c230f60-ea3e-1...	Administrator	Global Permission
VSPHERE.LOCAL\Administrator	Administrator	This object and its children
SCVMMBLR.NET\Users	Administrator	Global Permission
VSPHERE.LOCAL\AutoUpdate	AutoUpdateUser	Global Permission
SCVMMBLR.NET\Domain Controllers	Administrator	Global Permission
SCVMMBLR.NET\Domain Admins	Administrator	Global Permission
SCVMMBLR.NET\DnsAdmins	Administrator	Global Permission
SCVMMBLR.NET\Domain Computers	Administrator	Global Permission
SCVMMBLR.NET\Domain Guests	Administrator	Global Permission
SCVMMBLR.NET\Domain Users	Administrator	Global Permission
SCVMMBLR.NET\Enterprise Admins	Administrator	Global Permission
SCVMMBLR.NET\ESX Admins	Administrator	Global Permission
SCVMMBLR.NET\Guests	Administrator	Global Permission
VSPHERE.LOCAL\Administrators	Administrator	Global Permission

16 items Export Copy

Activate Windows
Go to Settings to activate Windows.

1:42 AM
10/14/2020

wincenter.SCVMMBLR.net

Standard VSAN cluster

wincenter.SCVMMBLR.net

Select Users/Groups

Select users from the list or type names in the Users text box. Click Check names to validate your entries against the directory.

Domain: WINVCENTER

Users and Groups

Show Users First

pcnsadmin

User/Group	Description/Full name
pcnsadmin	PowerChute netork shutdown

Add

Users: WINVCENTER\pcnsadmin

Groups:

Separate multiple names with semicolons

Check names

OK Cancel

Click Add then OK

Select Administrator from the Assigned Role drop-down, select “Propagate to children” then click OK.

winvcenter.SCVMMBLR.net - Add Permission

Select the users or groups on the left and the role to assign to them on the right.

Users and Groups
The users or groups listed below are assigned the role selected on the right on 'winvcenter.SCVMMBLR.net'.

User/Group	Role	Propag...
WINVCE...	Administr...	Yes

Assigned Role
The users or groups obtain the permissions on the selected objects as defined by their assigned role.

Administrator

- ✓ All Privileges
 - ✓ Alarms
 - ✓ AutoDeploy
 - ✓ Certificates
 - ✓ Content Library
 - ✓ Cryptographic operations
 - ✓ Datacenter
 - ✓ Datastore
 - ✓ Datastore cluster

Description: All Privileges

Propagate to children

View Children

OK Cancel

16 items Export Copy

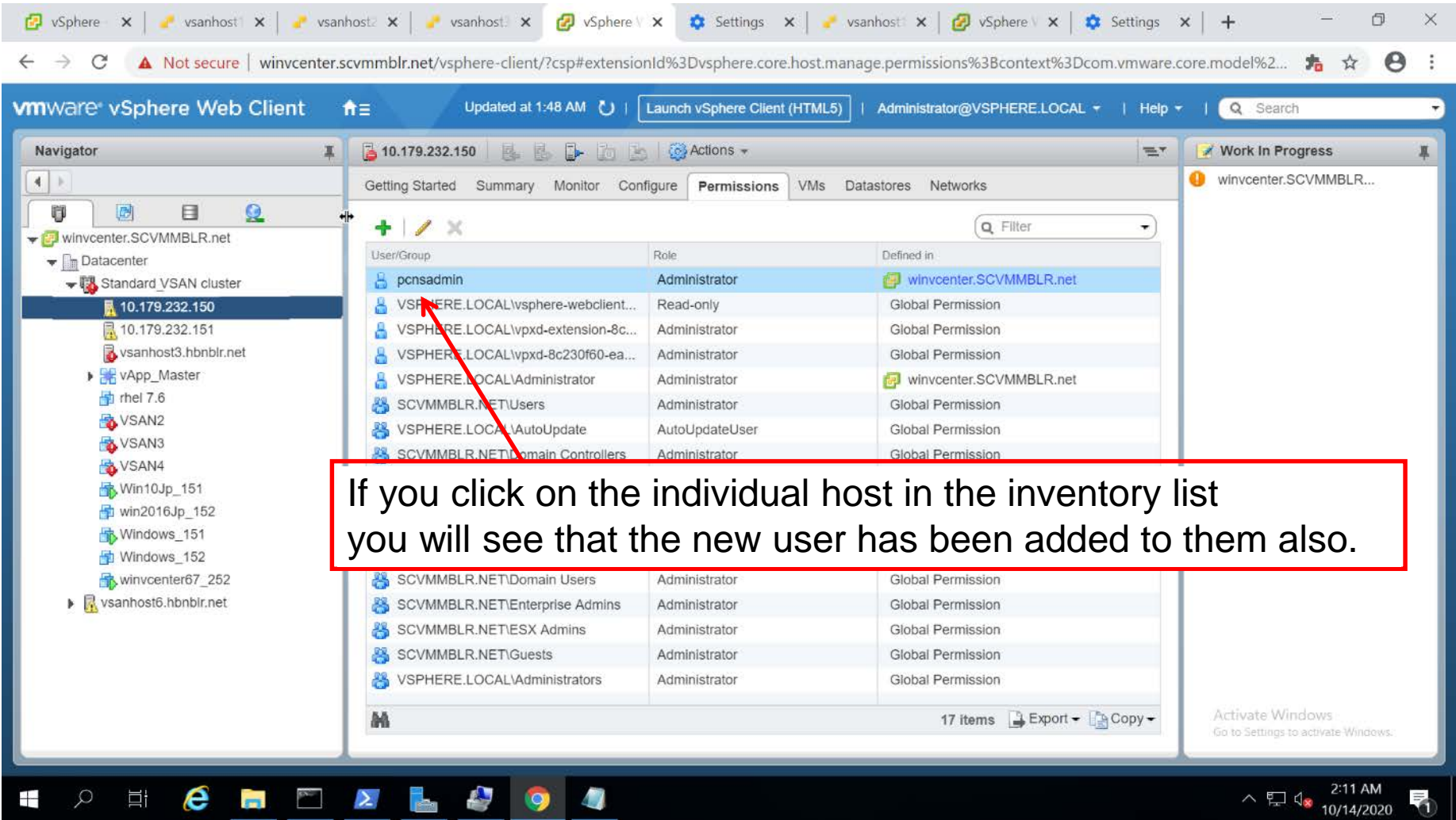
There is now a new user listed for vCenter Server.

The screenshot shows the VMware vSphere Web Client interface. The browser address bar indicates the URL: `winvcenter.scvmmblr.net/vsphere-client/?csp#extensionId%3Dvsphere.core.folder.manage.permissions%3Bcontext%3Dcom.vmware.core.model...`. The interface includes a top navigation bar with the VMware logo, a home icon, the text "Updated at 1:48 AM", a "Launch vSphere Client (HTML5)" button, and a user profile for "Administrator@VSPHERE.LOCAL".

The main content area is titled "winvcenter.SCVMMBLR.net" and shows the "Permissions" tab. A table lists the users and groups with their roles and where they are defined. The "pncadmin" user is highlighted with a red circle.

User/Group	Role	Defined in
VSPHERE.LOCAL\vsphere-webclient-8c2...	Read-only	Global Permission
pncadmin	Administrator	Global Permission
VSPHERE.LOCAL\vpzd-8c230f60-ea3e-1...	Administrator	Global Permission
VSPHERE.LOCAL\Administrator	Administrator	This object and its children
SCVMMBLR.NET\Users	Administrator	Global Permission
VSPHERE.LOCAL\AutoUpdate	AutoUpdateUser	Global Permission
SCVMMBLR.NET\Domain Controllers	Administrator	Global Permission
SCVMMBLR.NET\Domain Admins	Administrator	Global Permission
SCVMMBLR.NET\DnsAdmins	Administrator	Global Permission
SCVMMBLR.NET\Domain Computers	Administrator	Global Permission
SCVMMBLR.NET\Domain Guests	Administrator	Global Permission
SCVMMBLR.NET\Domain Users	Administrator	Global Permission
SCVMMBLR.NET\Enterprise Admins	Administrator	Global Permission
SCVMMBLR.NET\ESX Admins	Administrator	Global Permission
SCVMMBLR.NET\Guests	Administrator	Global Permission
VSPHERE.LOCAL\Administrators	Administrator	Global Permission

At the bottom of the table, it indicates "16 Items" and provides "Export" and "Copy" options. On the right side, there is a "Work In Progress" section with a warning icon and the text "winvcenter.SCVMMBLR...".



If you click on the individual host in the inventory list you will see that the new user has been added to them also.

User/Group	Role	Defined in
pcnsadmin	Administrator	winvcenter.SCVMMBLR.net
VSPHERE.LOCAL\vsphere-webclient...	Read-only	Global Permission
VSPHERE.LOCAL\vpzd-extension-8c...	Administrator	Global Permission
VSPHERE.LOCAL\vpzd-8c230f60-ea...	Administrator	Global Permission
VSPHERE.LOCAL\Administrator	Administrator	winvcenter.SCVMMBLR.net
SCVMMBLR.NET\Users	Administrator	Global Permission
VSPHERE.LOCAL\AutoUpdate	AutoUpdateUser	Global Permission
SCVMMBLR.NET\Domain Controllers	Administrator	Global Permission
SCVMMBLR.NET\Domain Users	Administrator	Global Permission
SCVMMBLR.NET\Enterprise Admins	Administrator	Global Permission
SCVMMBLR.NET\ESX Admins	Administrator	Global Permission
SCVMMBLR.NET\Guests	Administrator	Global Permission
VSPHERE.LOCAL\Administrators	Administrator	Global Permission

The next step is to log out of vCenter Server and log into each individual host via vSphere Web Client 6.7.

The screenshot displays a web browser window with several tabs open, including vSphere - VCSA, vsanhost1.hbnb, vsanhost2.hbnb, vsanhost3.hbnb, vSphere Web Client, Settings, and Log in - VMwa. The active tab shows the login page for vSphere ESXi at the URL 10.179.232.150/ui/#/login. The page features the VMware logo in the top left and the text 'vmware ESXi™' on the right. On the left side, there are two input fields labeled 'User name' and 'Password', with a 'Log in' button below them. A 'Not secure' warning is visible in the address bar. At the bottom of the browser window, a Windows taskbar is visible, showing the Start button, search icon, task view icon, and several application icons. The system tray on the right shows the time as 1:58 AM on 10/14/2020 and a notification icon with a '1'.

Once logged in, click Manage, open the Security & users tab, click Users, then Add user.

The screenshot shows the VMware ESXi vSphere Web Client interface. The browser address bar displays the URL `10.179.232.150/ui/#/host/manage/security/users`. The interface is divided into several sections:

- Navigator:** On the left, the 'Host' tree is expanded to 'Manage', and 'Users' is selected under the 'Security & users' section.
- Host Management:** The main area shows the 'Security & users' tab selected. The 'Users' sub-tab is active, displaying a table with one user: 'root' (Administrator). The 'Add user' button is highlighted.
- Recent tasks:** A table at the bottom shows two successful tasks: 'Find By Ip'.

Task	Target	Initiator	Queued	Started	Result	Completed
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05

Windows taskbar at the bottom shows the time as 1:58 AM on 10/14/2020.

The screenshot shows the VMware ESXi vSphere Web Client interface. The browser address bar indicates the URL is `10.179.232.150/ui/#/host/manage/security/users`. The main content area is titled "vsanhost1.hbnblr.net - Manage" and is in the "Security & users" section. A modal dialog box titled "Add a user" is open in the center. The dialog contains the following fields:

- User name (required): `pcnsadmin`
- Description: `PCNS user`
- Password (required): `.....`
- Confirm password (required): `.....`

At the bottom of the dialog, there are two buttons: "Add" and "Cancel". The "Add" button is circled in red. In the background, a red arrow points to the "Roles" field, and another red arrow points to the "Password (required)" field.

Task	Priority	Owner	Created	Last Modified	Result	Completed
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:59:07	10/14/2020 01:59:07	Completed successfully	10/14/2020 01:59:07
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:59:07	10/14/2020 01:59:07	Completed successfully	10/14/2020 01:59:07
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:51:05	10/14/2020 01:51:05	Completed successfully	10/14/2020 01:51:05
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:51:05	10/14/2020 01:51:05	Completed successfully	10/14/2020 01:51:05
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05

Add the login, and password. Be sure to use the same login name and password as entered into the Windows VM and click OK.

Browser tabs: vSphere - VCSA, vsanhost1.hbnbl, vsanhost2.hbnbl, vsanhost3.hbnbl, vSphere Web Client, Settings, vsanhost1.hbnbl

Address bar: Not secure | 10.179.232.150/ui/#/host/manage/security/users

vmware ESXi™ | root@10.179.232.150 | Help | Search

User pcnsadmin added successfully - dismiss

Host Management: Manage, Monitor

Virtual Machines: 1

Storage: 3

- datastore2
- Monitor
- More storage...

Networking: 3

System | Hardware | Licensing | Packages | Services | **Security & users**

Acceptance level | Authentication | Certificates | **Users** | Roles | Lockdown mode

Add user | Edit user | Remove user | Refresh

Search

User Name	Description
root	Administrator
pcnsadmin	PCNS user

2 items

Recent tasks

Task	Target	Initiator	Queued	Started	Result	Completed
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:59:07	10/14/2020 01:59:07	Completed successfully	10/14/2020 01:59:07
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:59:07	10/14/2020 01:59:07	Completed successfully	10/14/2020 01:59:07
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:51:05	10/14/2020 01:51:05	Completed successfully	10/14/2020 01:51:05
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:51:05	10/14/2020 01:51:05	Completed successfully	10/14/2020 01:51:05
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05
Find By Ip	None	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05

2:01 AM
10/14/2020

There is now a new user created on the host.

Right-click on Host, and click Permissions.

The screenshot shows the VMware ESXi web interface. The browser address bar displays '10.179.232.150/ui/#/host'. The interface title is 'vmware ESXi™' with the user 'root@10.179.232.150'. The main content area shows the host 'vsanhost1.hbnblr.net' with details: Version: 6.7.0 Update 3 (Build 16316930), State: Normal (connected to vCenter Server at 10.179.232.199), and Uptime: 0.18 days. Performance metrics for CPU, MEMORY, and STORAGE are displayed on the right. A context menu is open over the 'Host' icon in the left sidebar, with 'Permissions' highlighted by a red circle. Other menu items include 'Manage with vCenter Server', 'Disconnect from vCenter Server', 'Create/Register VM', 'Shut down', 'Reboot', 'Services', 'Enter maintenance mode', 'Lockdown mode', 'Generate support bundle', and 'Get SSH for Chrome'. Below the host details, a 'Configuration' section shows the image profile '(Updated) ESXi-6.7.0-20191204001-standar'. At the bottom, a table lists tasks with columns for Target, Initiator, Queued, Started, Result, and Completed. The system tray at the bottom right shows the time '2:01 AM' and date '10/14/2020'.

Target	Initiator	Queued	Started	Result	Completed
Find By Ip	HBNBLR\admini...	10/14/2020 01:59:07	10/14/2020 01:59:07	Completed successfully	10/14/2020 01:59:07
Find By Ip	HBNBLR\admini...	10/14/2020 01:59:07	10/14/2020 01:59:07	Completed successfully	10/14/2020 01:59:07
Find By Ip	HBNBLR\admini...	10/14/2020 01:51:05	10/14/2020 01:51:05	Completed successfully	10/14/2020 01:51:05
Find By Ip	HBNBLR\admini...	10/14/2020 01:51:05	10/14/2020 01:51:05	Completed successfully	10/14/2020 01:51:05
Find By Ip	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05
Find By Ip	HBNBLR\admini...	10/14/2020 01:49:05	10/14/2020 01:49:05	Completed successfully	10/14/2020 01:49:05

vmware ESXi™

root@10.179.232.150 | Help | Search

vsanhost1.hbnbl.net

Manage permissions

Host

Assign users and roles for Host

Add user Remove user Assign role

User	Role
dcui	Administrator
HBNBLR\administrator	Administrator
root	Administrator
vpuser	Administrator

4 items

Close

Find By Ip None HBNBLR\admini... 10/14/2020 01:49:05 10/14/2020 01:49:05 Completed successfully

Find By Ip None HBNBLR\admini... 10/14/2020 01:49:05 10/14/2020 01:49:05 Completed successfully

Activate Windows Go to Settings to activate Windows

2:02 AM 10/14/2020

Click Add user

Select the new user, select Administrator from the drop-down, then select “Propagate to all children” and click OK .

The screenshot shows the VMware ESXi interface with the 'Manage permissions' dialog box open. The dialog box is titled 'Add user for Host' and contains the following elements:

- A dropdown menu showing 'pcnsadmin' with a red circle and the number '1' next to it.
- A dropdown menu showing 'No cryptography administrator' with a red circle and the number '2' next to it. The 'Administrator' role is highlighted in blue.
- A checkbox labeled 'Propagate to all children' which is checked, with a red circle and the number '3' next to it.
- A list of permissions under the 'Root' section, including System, Global, Folder, Datacenter, Datastore, Network, and DVSwitch.
- Buttons for 'Cancel', 'Add user', and 'Close' at the bottom right, with a red circle and the number '3' next to the 'Add user' button.

The background shows the ESXi host configuration page for 'vsanhost1.hbnblr.net'. The taskbar at the bottom indicates the system time is 2:03 AM on 10/14/2020.

There is now a new user listed for the host with Administrator permissions.

The screenshot shows the VMware ESXi vSphere Web Client interface. A 'Manage permissions' dialog box is open for the host 'vsanhost1.hbnblr.net'. The dialog displays a table of users and their assigned roles for the host. The 'pcnsadmin' user is highlighted with a red circle, indicating it has been added with Administrator permissions.

User	Role
dcui	Administrator
HBNBLR\administrator	Administrator
pcnsadmin	Administrator
root	Administrator

The dialog also shows '5 items' at the bottom right. The background interface shows the host's configuration and monitoring options.

Note: The steps starting on page 16 need to be performed for each individual host that will be shutdown.



Thank you.