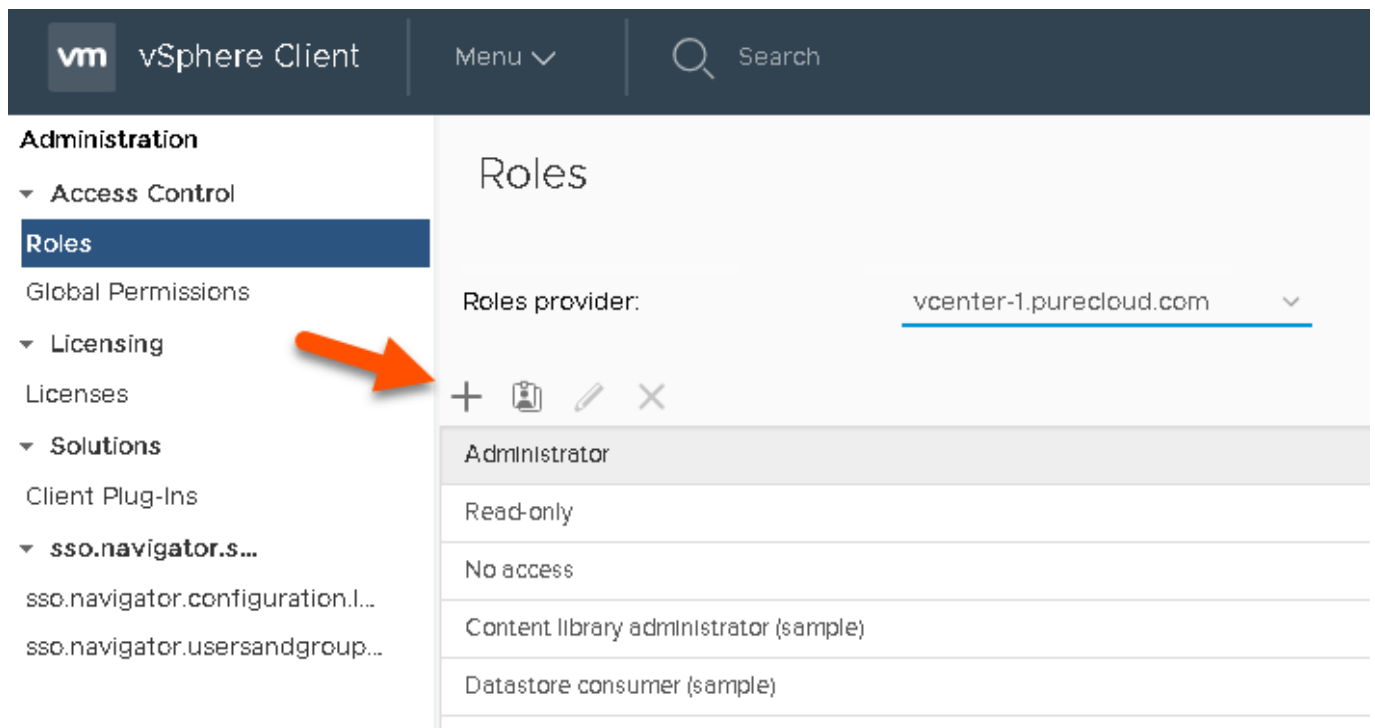


# Required vCenter Permissions for Registering a VVol VASA Provider

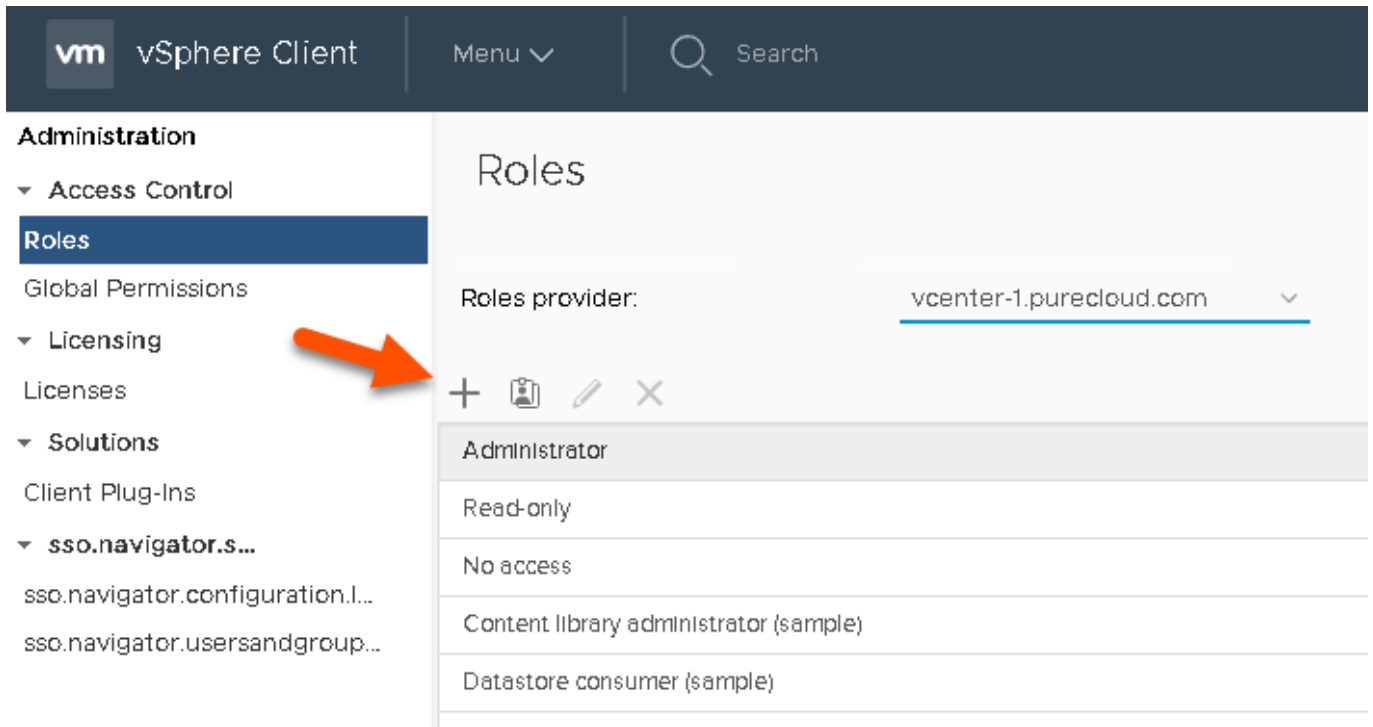


I've had a few customers ask me what are the minimum vCenter permissions required to register a VVol VASA provider. The use case is, I want my storage admin to be able to do it, but I don't want them to do anything else.

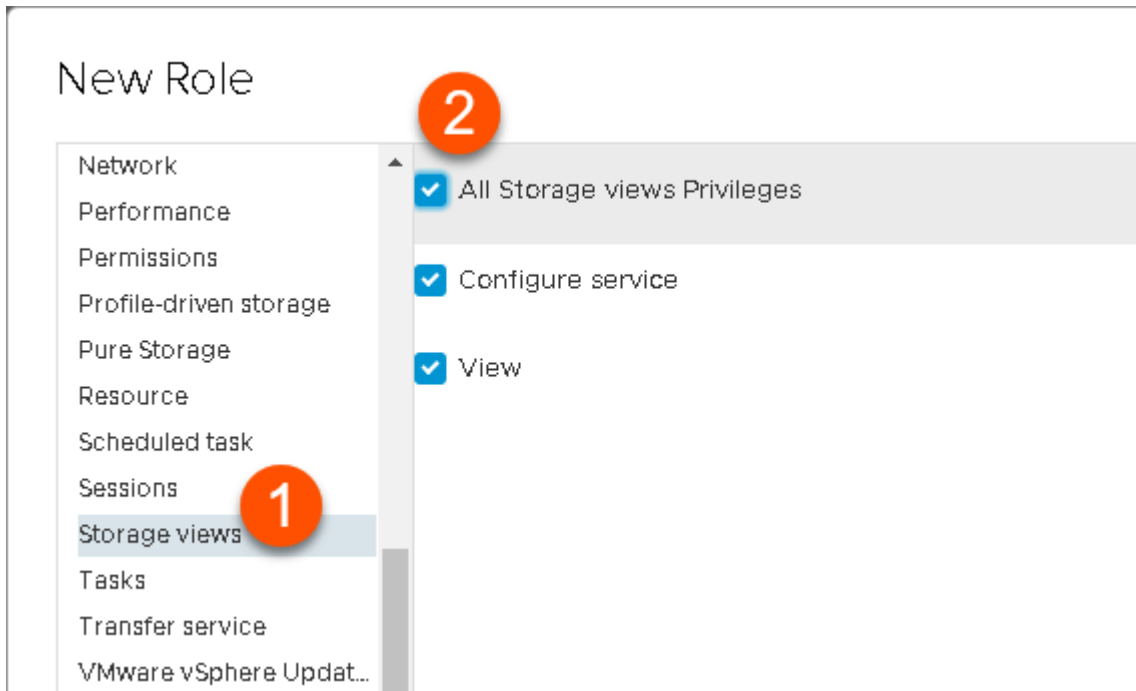
While this can be done in a very slick way with vRealize Automation (more on that in a later post), this can be done with standard vCenter permissions too.

The first step is to create a new role with just the permissions you need. So in the vSphere Web Client (I am using the HTML-5 version, but the steps for the Flash one are the same essentially).

Click on **Administration** and then **Roles**.



Then click to add a new role. The only two permissions that are needed are under Storage views.



Both permissions are needed, both **View** and **Configure service**. The process will fail otherwise.

```
PS C:\Users\Administrator> New-VasaProvider -Name 'm50' -Url 'https://10.21.88.26:8084' -Username pureuser -Password pureuser -Description 'description' -Force
New-VasaProvider : 3/23/2018 2:45:44 PM New-VasaProvider SMS runtime fault on server '/VIServer=purecloud\vasaregister@10.21.202.11:443/': The user does not have required privilege 'StorageViews.View'.
At line:1 char:1
+ New-VasaProvider -Name 'm50' -Url 'https://10.21.88.26:8084' -Username pureuser ...
+ ~~~~~
+ CategoryInfo          : PermissionDenied: (:) [New-VasaProvider], ViError
+ FullyQualifiedErrorId : Sms_Imp1_StorageClientImp1_CouldNotConnectToSmsService,VMware.VimAutomation.Storage.Commands.Cmdlets.Sms.NewVasaProvider
```

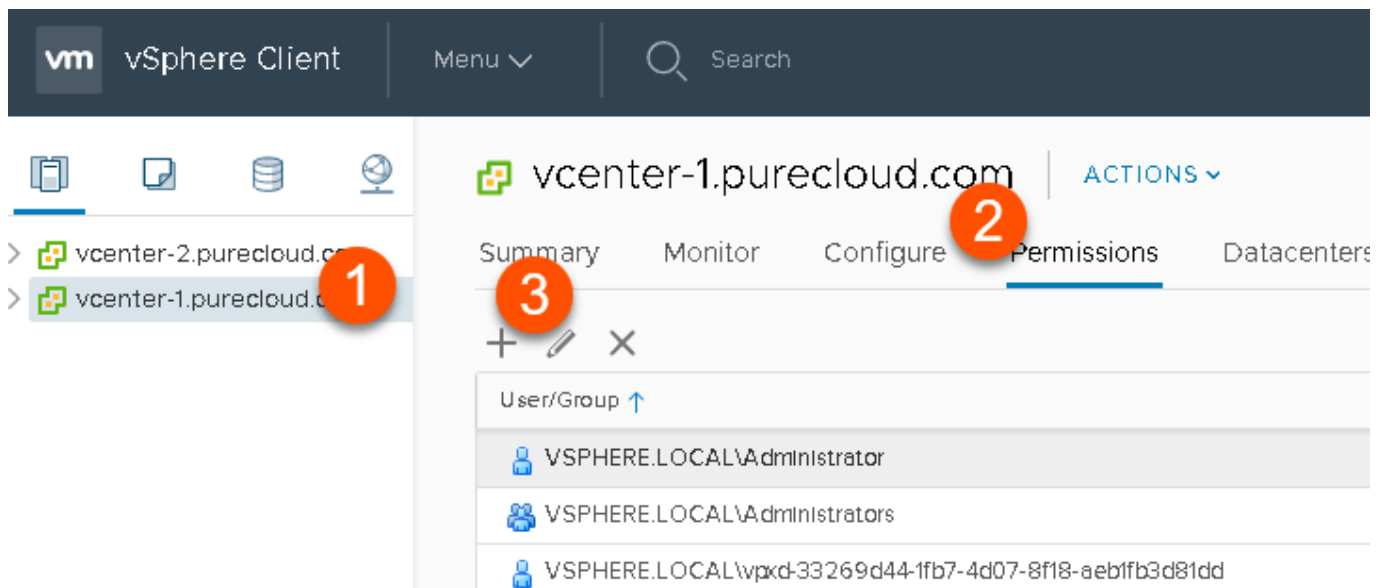
Finish creating the role.

## Edit Role

Role name	<input type="text" value="vasa"/>
Description	<input type="text" value="VASA Registration role"/>

Once the role is created, you can then assign your user the permission. So take the user you want to assign this ability and grant them the role on the vCenter level. You DO NOT need to grant the permission to children objects (propagate to children). They only need it at the vCenter level and that's it.

So go to Host and Clusters and click on your vCenter and then the Permissions tab.



Then choose your user and then the role you created.

# Add Permission | vcenter-1.purecloud.com

User: PURECLOUD.COM

Q vasaregister

Role: vasa

Propagate to children

CANCEL OK

Click OK.

The role is now assigned at the level (the vCenter) and nowhere else.

User/Group	Role	Defined In
PURECLOUD\vasaregister	vasa	This object
VSPHERE.LOCAL\Administrator	Administrator	This object and its children
VSPHERE.LOCAL\Administrators	Administrator	Global Permission

Now the storage admin can log in and only register the provider:

vm vSphere Client | Menu | Search

vcenter-1.purecloud.com | ACTIONS

Summary Monitor **Configure** Permissions Datacenters Hosts & Clusters VMs D

Settings

- General
- Message of the Day
- Advanced Settings
- Storage Providers**

+ Add Synchronize Storage Providers | Rescan | Remove | Refresh

Storage Provider/Storage System	Status	Active/Standby
flasharray-m20-1-ct0	Online	--
flasharray-m20-1 (2/2 online)		Active
flasharray-m20-1-ct1	Online	--
flasharray-m20-1 (2/2 online)		Standby
IOFILTER Provider esxi-01.pu...	Online	--

Then add the info:

## New Storage Provider | vcenter-1.purecloud.com ×

Name:	<input type="text" value="m50-ct0"/>
URL:	<input type="text" value="https://10.21.88.26:8084"/>
User name:	<input type="text" value="pureuser"/>
Password:	<input type="password" value="*****"/>
<input type="checkbox"/> Use storage provider certificate	
Certificate location:	<input type="button" value="BROWSE..."/>

And done!

Configure Permissions Datacenters Hosts & Clusters VMs Datastores Ne

+ Add Synchronize Storage Providers Rescan Remove Refresh certificate

Storage Provider/Storage System ↓	Status	Active/Standby	Priority
▲ m50-ct0	Online	--	--
flasharray-m50-1 (1/1 online)		Active	200
▲ IOFILTER Provider esxi-04.pu...	Online	--	--
595d2364-a413-97f0-7e9e-...		Active	1
▲ IOFILTER Provider esxi-03.pu...	Online	--	--
595d231e-1afd-04aa-d2a6-...		Active	1

**General**

Name	flasharray-m50-1
UUID	com.purestorage:076a1e05-df05-441b-a62b-24346bba8fa8
Vendor ID	PURE
Model ID	FA-m50
Firmware	5.0.0
Alternative names	--
Supported block interfaces	FC iSCSI
Supported file system interfaces	--
Supported profiles	Virtual Volume Profile Storage Profile Based Management ReplicationProfile

Now, I will note, they will be able to see the other providers and also remove them. I do not see a way to



prevent that in vCenter. That, is a use case for vRA and XaaS though