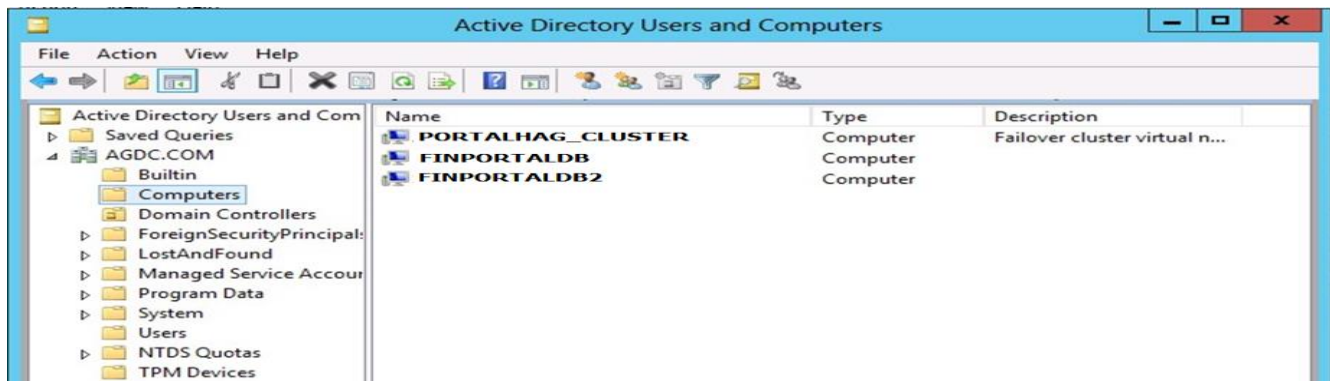


## Option 1 Grant CNO necessary permissions

Grant the permissions "Read all properties" and "Create Computer objects" to the CNO via the *container*. Here's an example of granting the required permissions for demonstration purposes:

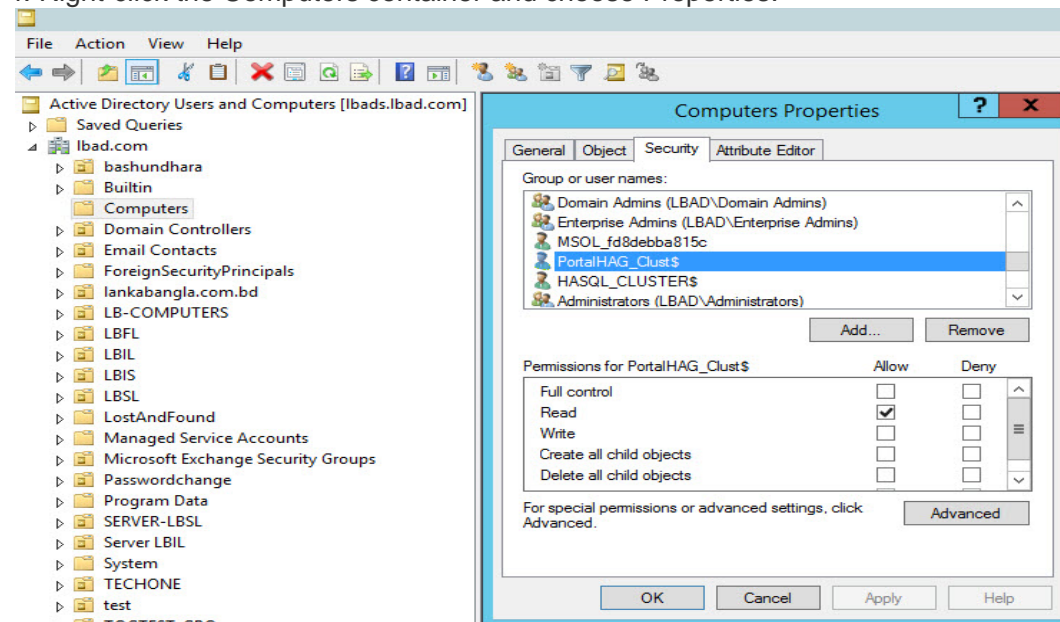
1. Open the Active Directory Users and Computers Snap-in (dsa.msc).
2. Locate the "Computers" container or the container that the listener is being created in, this is assuming that this is the container where the listener computer object creation is being attempted.



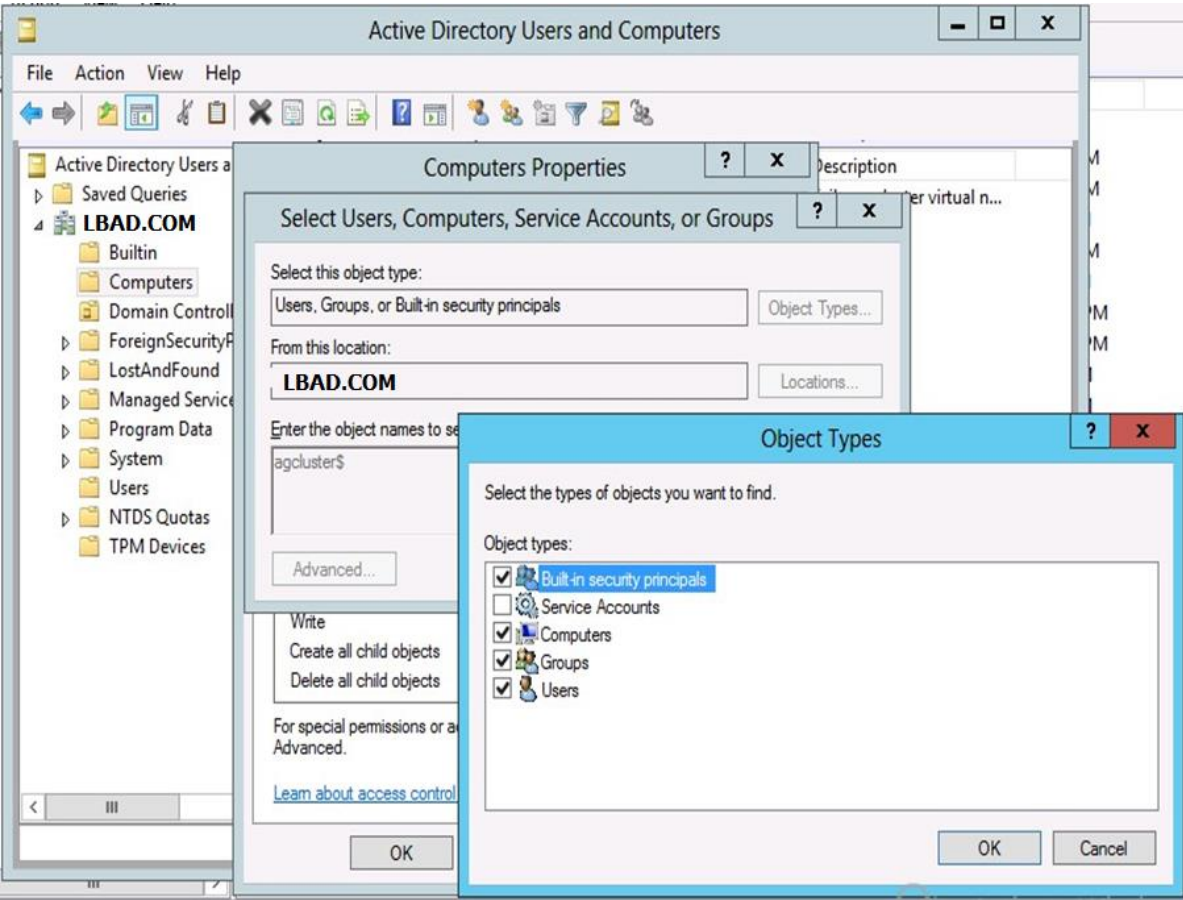
3. Right-click View and select "Advanced Features."



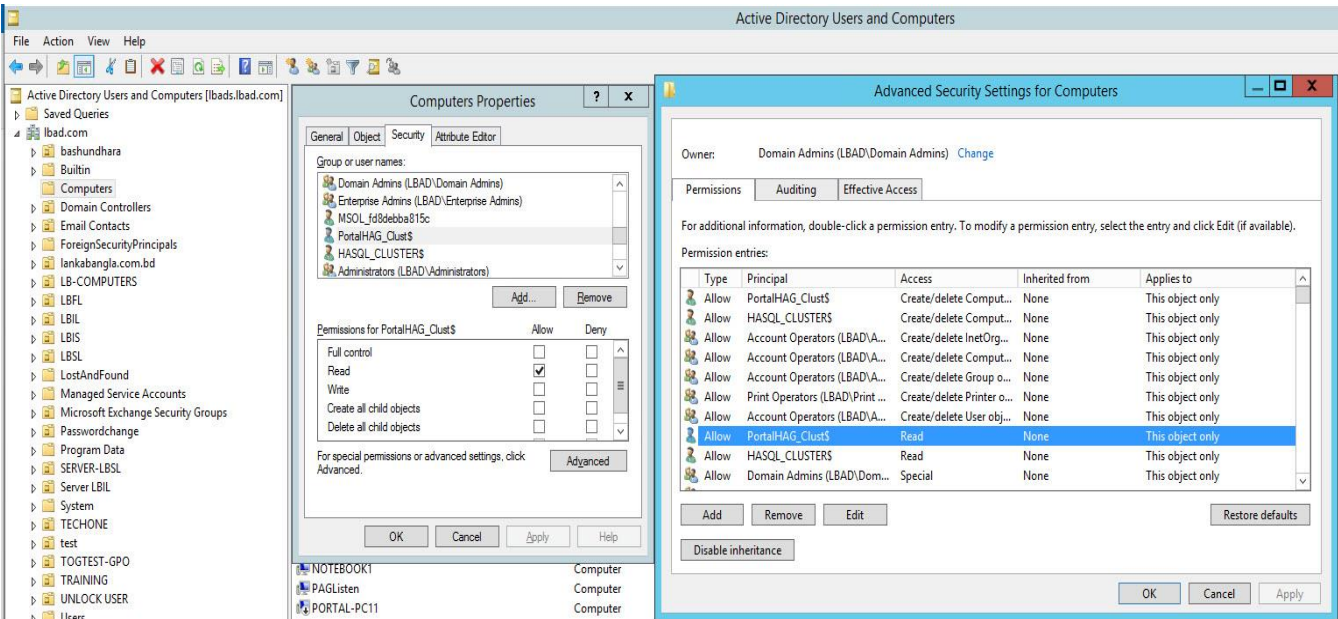
4. Right-click the Computers container and choose Properties.



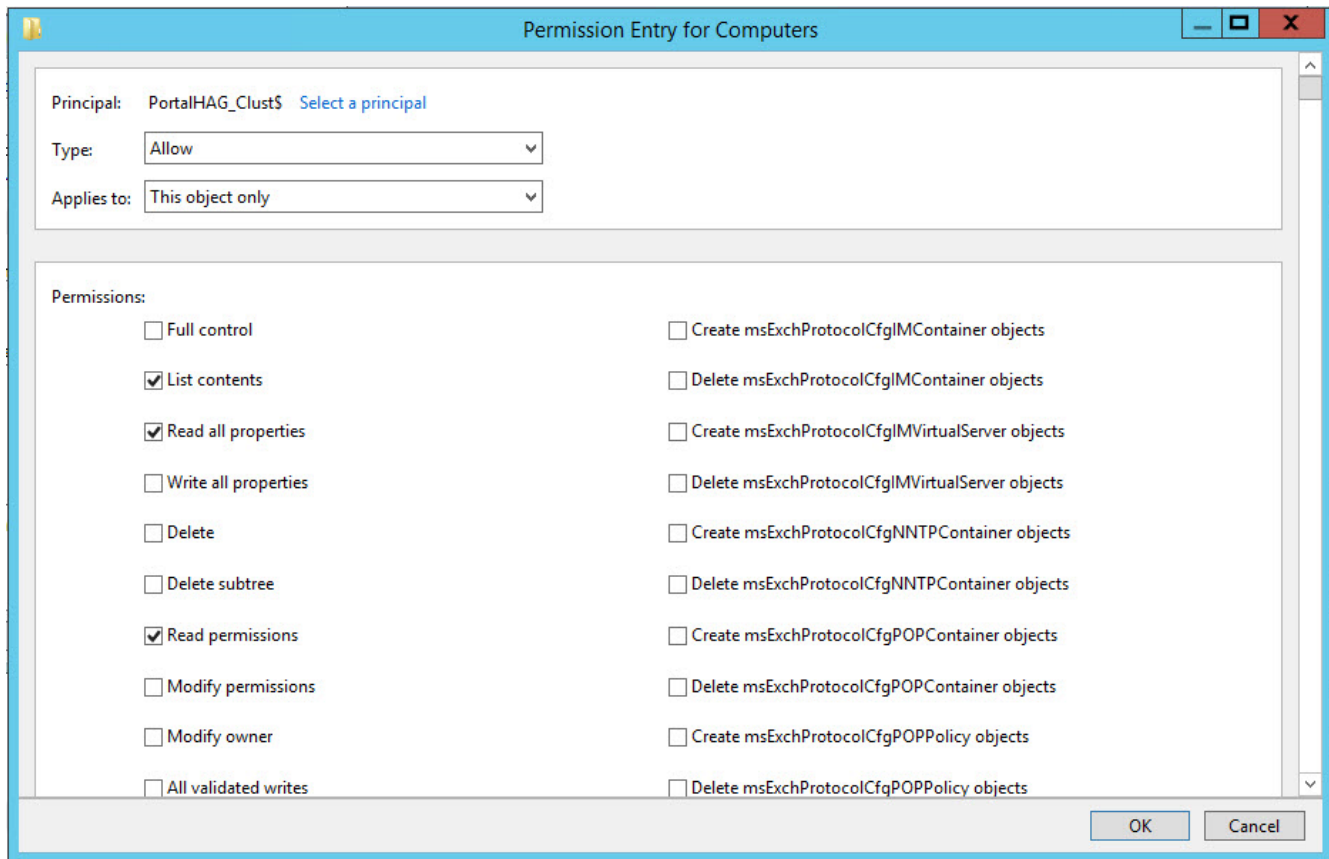
5. Click the Add button and enter the cluster named object (CNO). In this example, it is **PortalHAG\_Cluster\$**. Click the Object Types button, check 'Computers' and click Ok and then Ok again.



6. Back in the Properties dialog, click the advanced button and the "Advanced Security Settings for SQL" dialog should appear.



- Click the Add button. Select "Read all properties" and "Create Computer objects." Click OK until you're back to the Active Directory Users and Computer window.

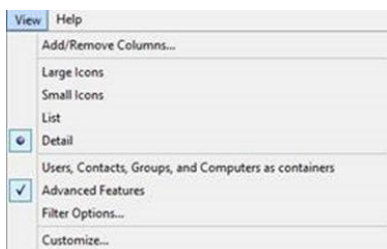


- Attempt to recreate the listener.

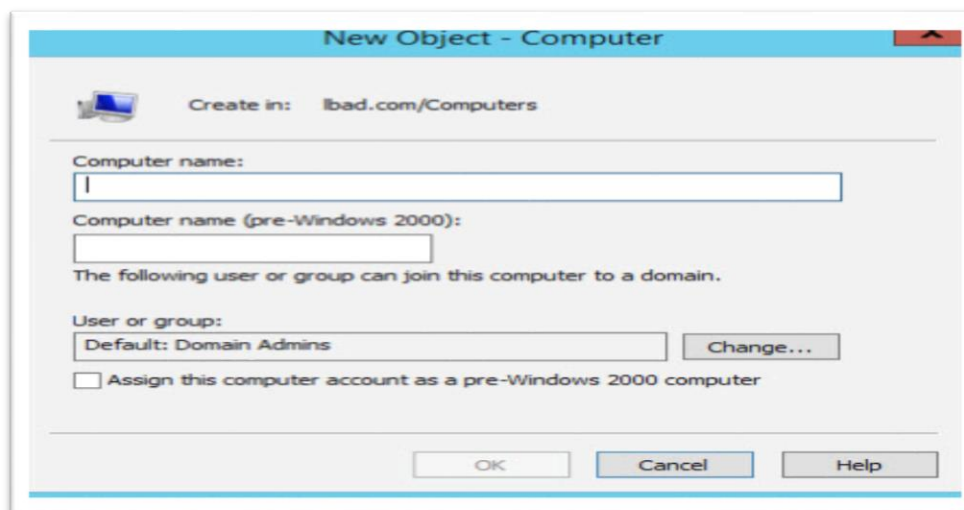
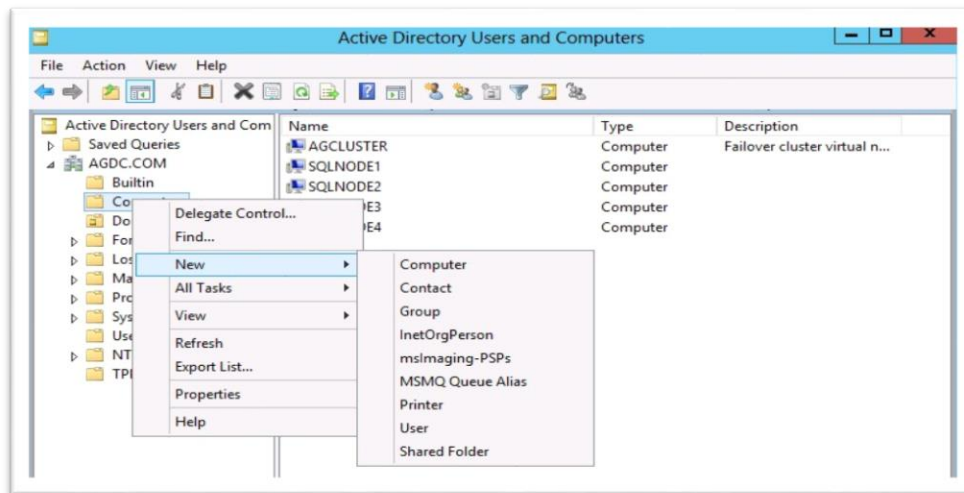
## Option # 2 Pre-Stage the VCO

This option is useful in situations where the domain administrator does not allow the CNO "Read All Properties" and "Create computer Objects" permissions:

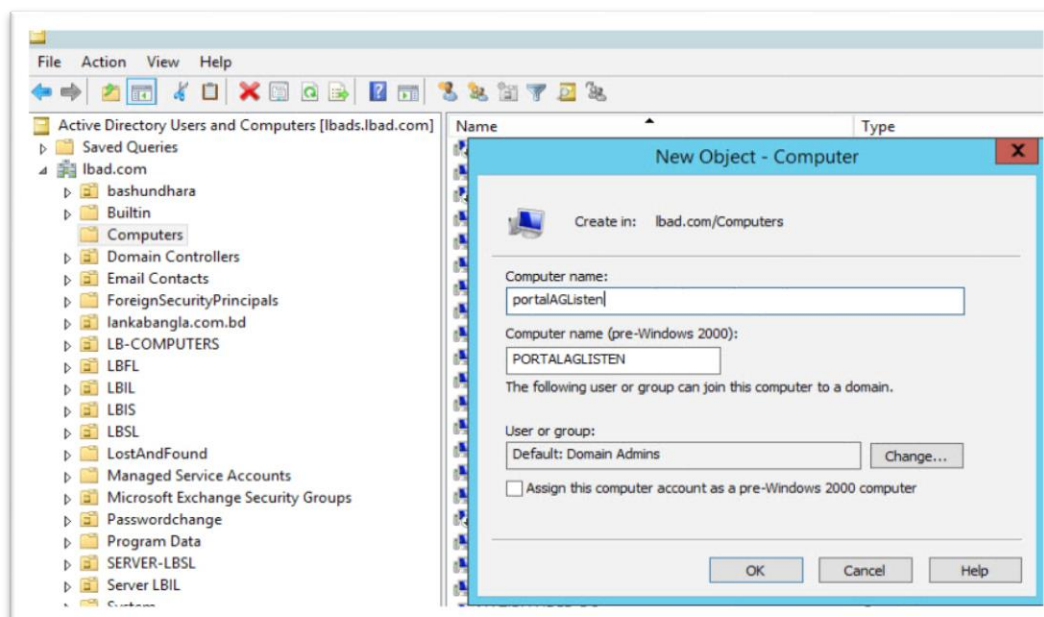
- Ensure that you are logged in as a user that has permissions to create computer objects in the domain.
- Open the Active Directory Users and Computers Snap-in (dsa.msc).
- Right-click View and select "Advanced Features."



4. Right click the OU/Container you want the VCO to reside in and click “New” -> “Computer.” In the example below, we are creating the listener object in the Computers container.

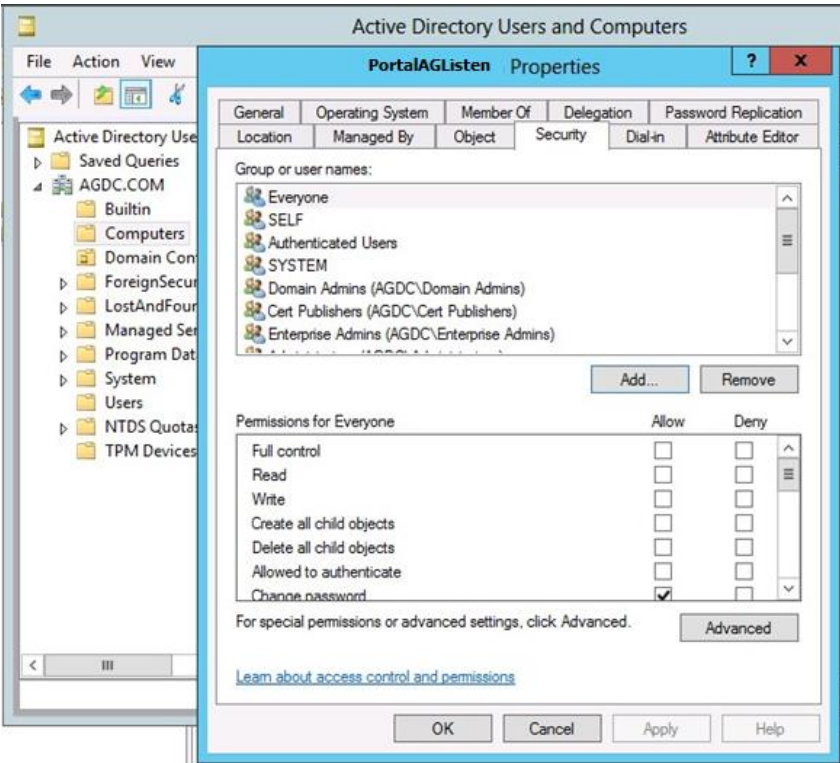


5. Provide a name for the object (this will be your listener name) and click “OK.”

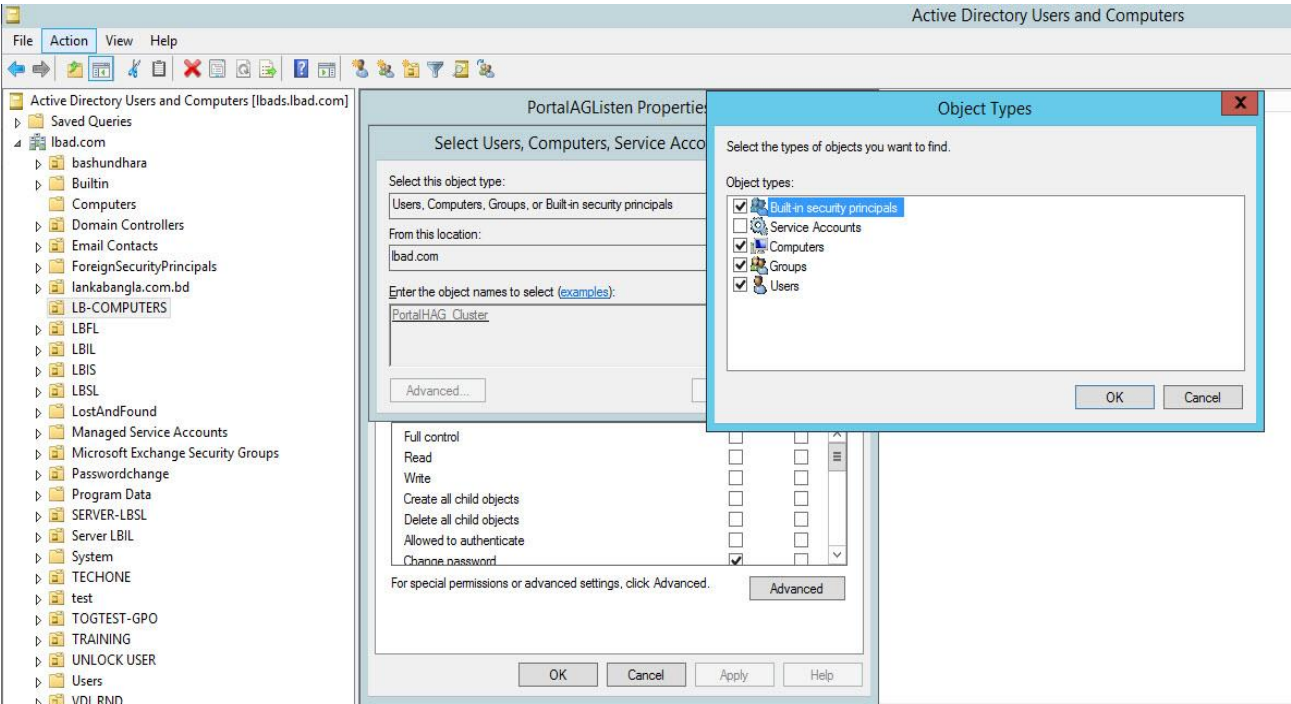




6. Right click the VCO you just created and select “Properties”. Click the Security tab.



7. Under Security tab, click the Add button. Enter the cluster named object (CNO). In this example, it is **PortalHAG\_Cluster\$**. Click the Object Types button. Select Computers and click Ok.



8. Highlight the CNO, check the following permissions, and click “OK” (alternatively, choose Full Control)

**Read**

**Allowed To Authenticate**

**Change Password**

**Receive As**

**Reset Password**

**Send As**

**Validate write To DNS Host Name**

**Validate Write To Service Principle Name**

**Read Account Restrictions**

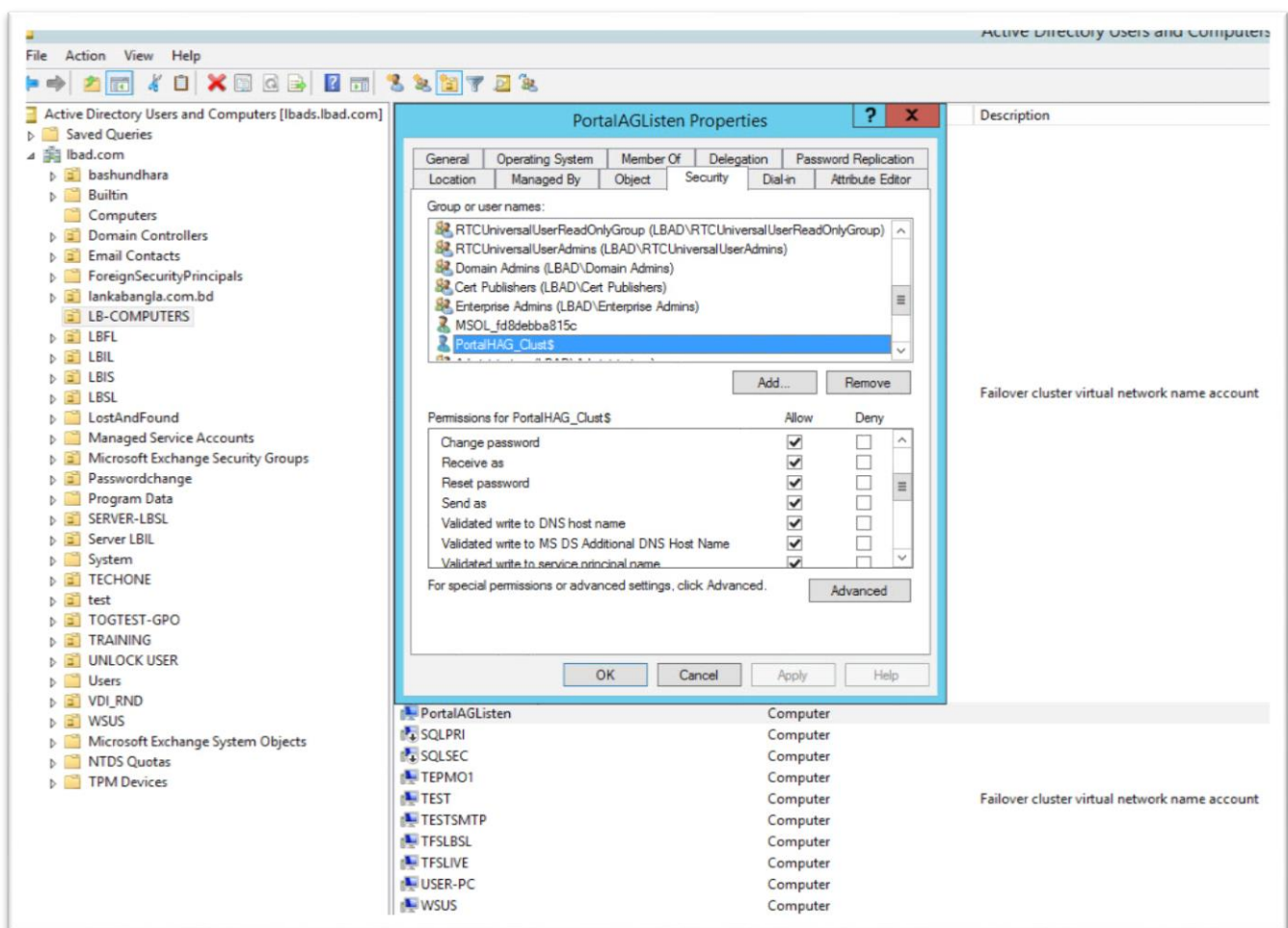
**Write Account Restrictions**

**Read DNS Host Name Attributes**

**Read MS-TS-GatewayAccess**

**Read Personal Information**

**Read Public Information**



9. Attempt to create the availability group listener.