Industrial Storage Service A

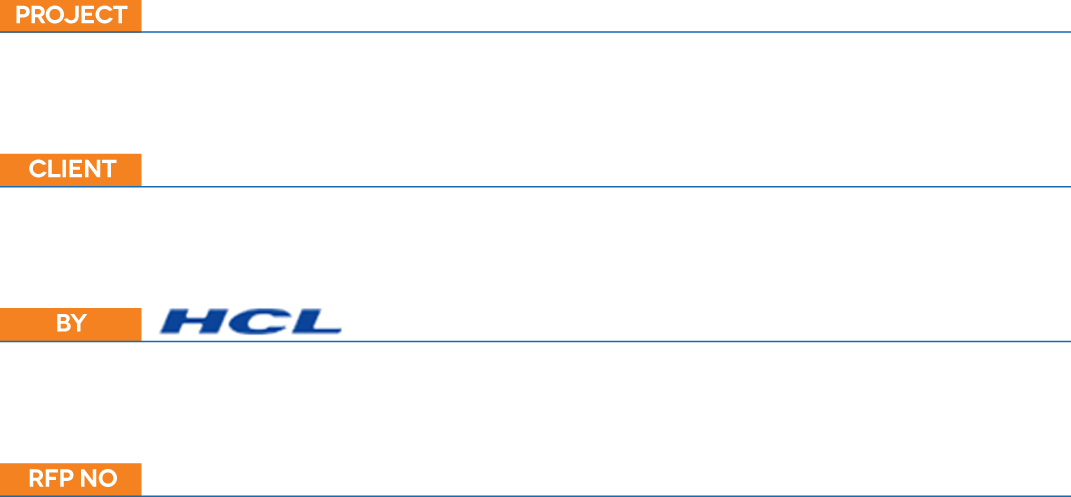
Migration Process

**Version Control**

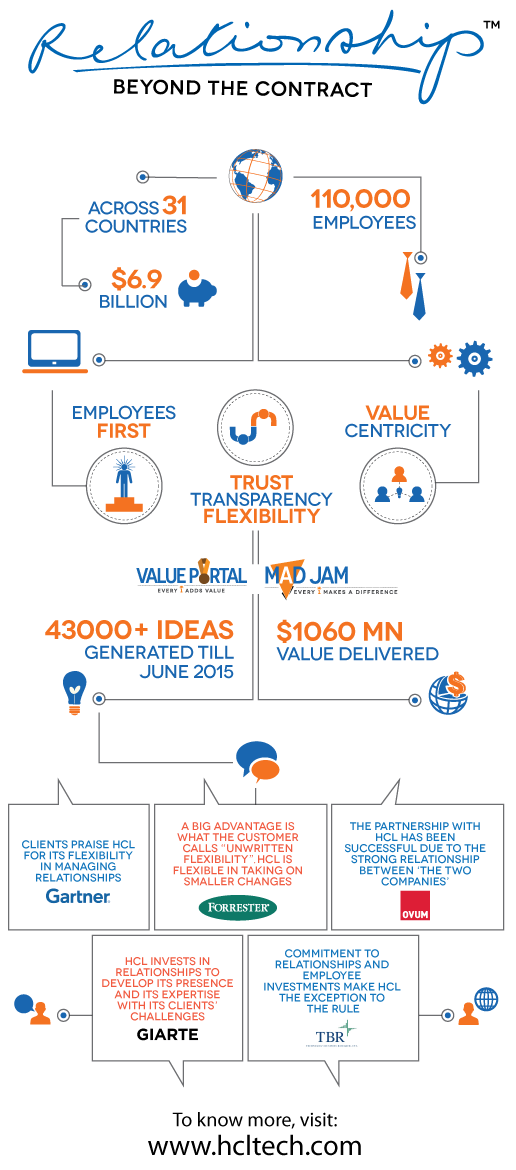
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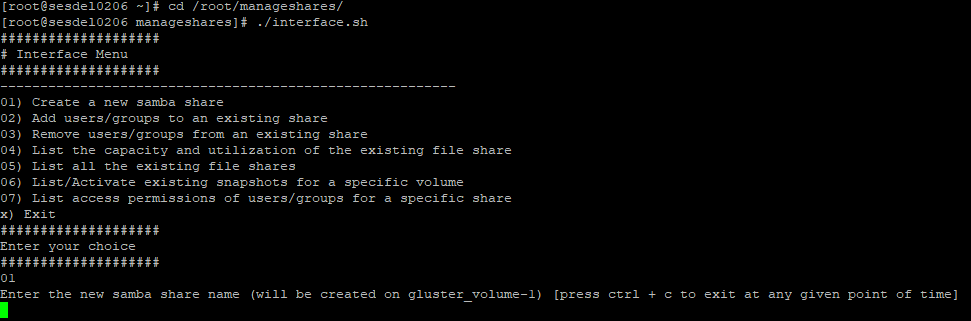


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1. Share Creation

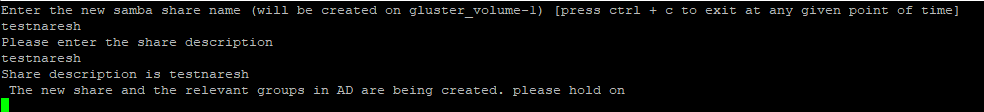
* New shares will be created through interface script using option 1 on Gluster server sesdel0206
* Login to the server. Go to /root/manageshares/

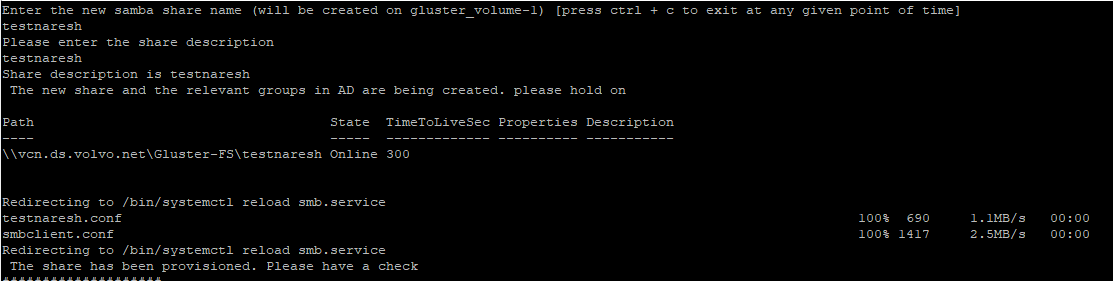


* Enter the new smba share name and description which you want to create.

Once entired, relevenat groups in AD& DFS path will also be crated.

Share has been provisioned.





* Following security groups will be created

Share folder object and share

Security Group for read permission (-R group)

Security Group for write permission (-X group)

**Example:**



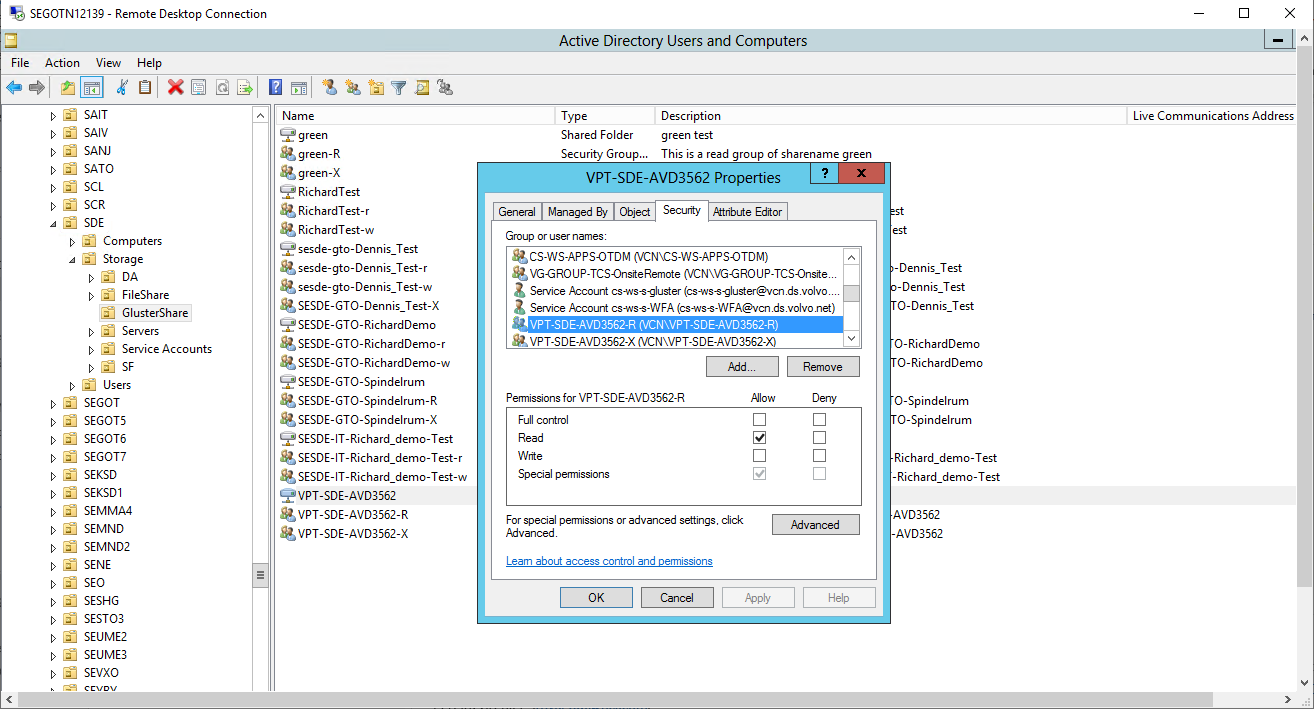
**New Share:**

DFS Path: [\\vcn.ds.volvo.net\Gluster-FS\VPT-SDE-AVD3562](file:///\\vcn.ds.volvo.net\Gluster-FS\VPT-SDE-AVD3562)

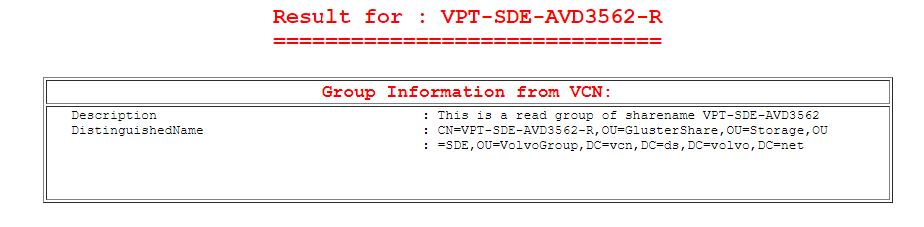
UNC Path: [\\148.138.12.137\vpt-sde-avd3562](file:///\\148.138.12.137\vpt-sde-avd3562)

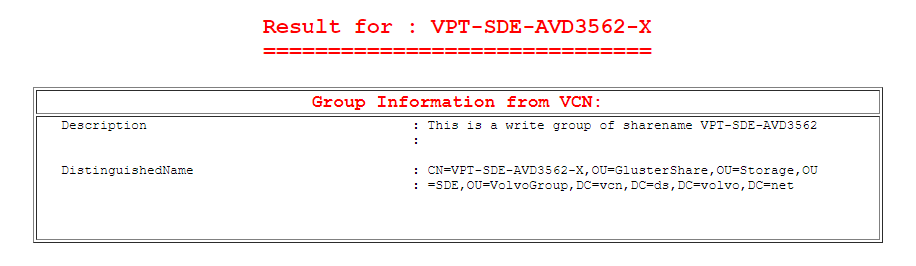
1. AD Security and User Groups Creation
   1. AD “Shared Folder” permission

* New shares AD Security and user groups will automatically create as a part of interface script
* For Migration Check User/Group and Permission on Existing “Shared Folder” in AD and setup same User/Group with permission on New “Shared Folder” in AD.
* New Serivce A “Shared Folder” are on “vcn.ds.volvo.net\VolvoGroup\SDE\Storage\GlusterShare”



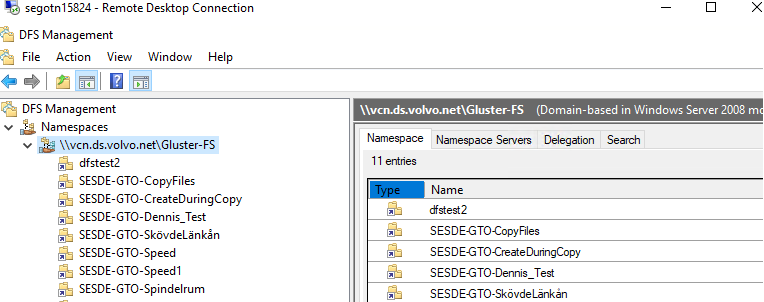
* 1. User group R and X permission
* Replicate the Users/Groups on newly created Read (-R) and Write (-X) AD groups

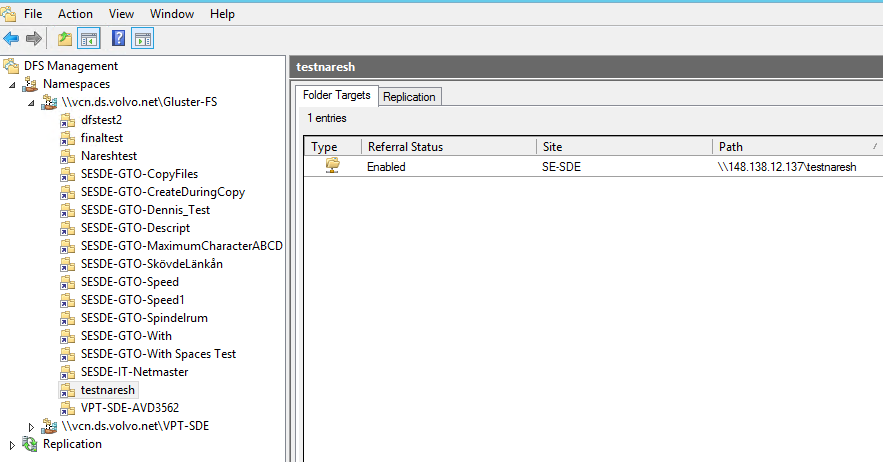




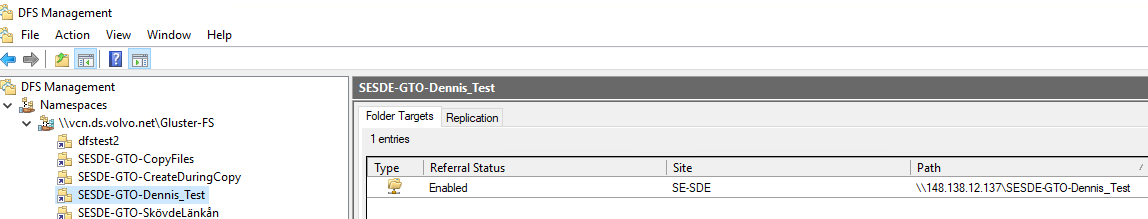
1. DFS CREATION
   1. DFS Target folder creation for the new shares.

* New folder for each share to be migrated is created under IT-SDEroot namespace. This is also created at as a part of interface script.





* 1. Mapping the CIFS share to the New DFS Target
* Newly created share is mapped to the DFS folder target. Target Path will be Enabled via Default when DFS path is created through interface script



1. Migration – Data copy and Cutover
   1. Data Rsync

* We will mount the existing/old share file system on Gluster server and start the rsync from existing file system to New Gluster File sytem.

Example:

# mount -vvv -t cifs '\\148.138.2.72\vpt-sde-avd3562\' /VPT-SDE-avd3562 -o vers=1.0,username=cs-ws-s-gluster,password=3xf?ld088JEW9n-

# rsync -avzhp --progress /VPT-SDE-avd3562/ /volumes/gluster\_volume-1/VPT-SDE-AVD3562/

* 1. Final Cutover
* Start the final rsync - Incremental copy
* Stop the share from old Netapp storage and rename DFS Path for OLD shares (DON’T REMOVE/DECOMM)
* Change the DNS IP of old storage sesdex001 & sesdex002 pointing to Gluster Storage CTFB IP 148.138.12.137 and refresh DNS records
* Start publishing shares in network my places.

1. Migration – Share in Faros

* Data Rsync& Final Cutover will be same for Share in Faros also(4.1& 4.2)
* We will be requesting faros team to rename the exisiting share until we confirm to remove/delete the OLD share