Openfiler Test Plan

Section Accounts – User Information Configuration						
Feature	**Expected**	**Prerequisite(s)**	**Limitations / Constraints**	**Verification Test**	**Pass**	**Fail**
Use NIS	All users and groups show up in List of Users and List of Groups. All Users can access share on System	Volumes and Shares need to be configured and access control enabled for the network client.	Only works for Linux/Unix Clients.	Check that NIS Groups show up Check that NIS Users show up		
Use LDAP	All users and groups show up in List of Users and List of Groups. All Users can access share on system.	Volumes and Shares need to be configured and access control enabled for the network client.	Only works for Linux/Unix Clients	Check that LDAP Groups show up in list of Groups Check that LDAP Users show up in list of Users		
Use LDAP + TLS	All users and groups show up in List of Users and List of Groups. All Users can access share on system.	Volumes and Shares need to be configured and access control enabled for the network client.	Only works for Linux/Unix Clients			
User Windows Domain Controller Authentication	All users and groups show up in List of Users and List of Groups. All users can access share on system. System can join domain without manual intervention at command line. Works with Active Directory Native Mode Works with NT4/ 2000 Mode UID and GID range are properly mapped.	Volumes and Shares need to be configured and access control enabled for network client. Samba sharing should be enabled NFS Sharing should be enabled	none	Check that the machine shows up the list of machines for the Domain on the Windows server Check that Domain groups are listed in list of groups and GID mapping is working Check that Domain users are listed in list of users and UID mapping is working		

Section: Accounts - Authentication Configuration						
Use LDAP	see above					
Use LDAP + TLS	see above					
Section: Accounts – List of Groups						
Show List	All Groups should show up	User Information Configuration must be set	none	N/A		
Order by GID	List of groups should be ordered by GID	User Information Configuration must be set	none	N/A		
Order by Group Name	List of groups should be ordered by Group Name	User Information Configuration must be set	none	N/A		
Order by Group Type	List of groups should be ordered by Type and GID or Type and Name	User Information Configuration must be set for at least two different directory servers	none	N/A		
Section: Accounts – List of Users						
Show List	All Users should show up	User Information Configuration must be set	none	N/A		
Order by UID	List of users should be ordered by GID	User Information Configuration must be set	none	N/A		
Order by User Name	List of users should be ordered by Name	User Information Configuration must be set	none	N/A		
Order by Type	List of users should be ordered by Type and UID or Type and Name	User Information Configuration must be set for at least two different directory servers	none	N/A		
Order by Primary Group	List of users should be ordered by the primary group which they belong to	User Information Configuration must be set for at least two different directory servers At least one user should belong to more than one group At least one group must contain more than one user	none	N/A		
Show Group Type	List of users should have the type of group to which they belong. (local, NIS, LDAP, AD, Unknown)	User Information Configuration must be set for at least two different directory servers At least one user should belong to two different groups that are on two different directory servers	none	N/A		

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Section: Accounts – Change Administrator Password						
Change password	The administrator should be able to change their password to a new one	None	Standard Unix password limitations should apply	You should be able to login with the new password only. You should be prompted if old password is wrong You should be prompted if new password entries differ		
Section: Volumes – Create new volume						
Create new volume	The administrator should be able to create a new volume of at least the size of the Volume Group	None	A unique volume path must be specified A volume description must be specified A minimum volume size of 4MB must be specified. Less than 4MB automatically reverts to 4MB	There should be a new filesystem node on the filesystem in the / mnt/openfiler/<volume _name> location and it should match that allocated size		
Edit Volume	The administrator should be able to change the description of a volume	A volume must exist		Volume description should change in shares list and in volumes list		

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Delete Volume	The administrator should be able to delete a volume	A volume must exist	The administrator must agree to delete the volume	The volume must disappear from the disk The volume must disappear from the shares list		
Select Volume Slice	The administrator should be able to select which volume to perform administration on	At least two volume slices must exist User Information Configuration must be set At least two groups must exist	none	Two different quota values must exist for the same user on at least two different volumes Corroborate information at command line using command-line utilities		
Section: Quota – Group Quota						
Edit Group Quota Global	The administrator should be able to perform group quota administration on a set of groups that have their checkbox selected	At least 10 groups must exist User Information Configuration must be set At least two volume slices must exist Two different quota values must be set for at least two different volume slices	none	All users with checkbox selected must have the same quota values Corroborate information at command line using command-line utilities		
Order by GID	The groups should be ordered based on their GID	User Information configuration must be set and at least two groups must exist	none	Ensure the listing is ordered by GID in ascending order		
Order by Name	The groups should be ordered based on their Name	User Information configuration must be set and at least two groups must exist	none	Ensure the listing is ordered by Name in ascending order		
Order by Type	The groups should be ordered based on their type	User Information configuration must be set and at least 10 groups of different type must exist	Group types other than NIS and LDAP are not supported	Ensure the listing is ordered by type and GID or type and Name		

Edit individual quota and guest user quota	The administrator should be able to perform single group and guest group quota administration	User Information configuration must be set and at least 2 groups of different type must exist	None	Two different quota values must exist for the same user on at least two different volumes Corroborate information at command line using command-line utilities		
Section: Quota – User Quota						
Select Volume Slice	The administrator should be able to select which volume to perform administration on	At least two volume slices must exist User Information Configuration must be set At least two users must exist	none	Two different quota values must exist for the same user on at least two different volumes Corroborate information at command line using command-line utilities		
Edit User Quota Global	The administrator should be able to perform user quota administration on a set of users that have their checkbox selected	At least 10 users must exist User Information Configuration must be set At least two volume slices must exist Two different quota values must be set for at least two different volume slices	none	All users with checkbox selected must have the same quota values Corroborate information at command line using command-line utilities		
Order by UID	The groups should be ordered based on their UID	User Information configuration must be set and at least two users must exist	none	Ensure the listing is ordered by UID in ascending order		
Order by Name	The users should be ordered based on their Name	User Information configuration must be set and at least two users must exist	none	Ensure the listing is ordered by Name in ascending order		

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Order by Type	The users should be ordered based on their type	User Information configuration must be set and at least 10 users of different type must exist	User ypes other than NIS and LDAP are not supported	Ensure the listing is ordered by type and UID or type and Name		
Section: Shares						
Shares List	The list of volumes and shares should be viewable by the administrator	At least one volume slice must exist	none	Check that the list of top level shares matches the list of volumes and their individual descriptions		
Shares List – make subfolder of top level share	The administrator should be able to make an arbitrary number of sub-folders of a top level share	At least one volume slice must exist	standard Unix limitations on subfolders of a top level folder.	Check the list of subfolders matches the list on the filesystem by logging into the machine		
Shares List – rename subfolder	The administrator should be able to rename a subfolder i.e change the path	At least one volume slice must exist At least one named subfolder must exist	A top level share cannot be renamed and must be done in the volume section	Check that the sub-folder has been renamed by verifying at the filesystem		
Shares List – rename description	The administrator should be able to change the description of the subfolder	At least one volume slice must exist At least one named subfolder must exist	A top level share cannot be renamed	Check that the description is changed in the smb.conf file		

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Shares List – make a share of a subfolder	The administrator should be able to make a subfolder into a share	At least one volume slice must exist At least one subfolder of a top-level folder in shares list must exist	A subfolder which is not a leaf node will not allow a share to be made out of it	Ensure that the administrator is redirected to the shares page Perform for at least two different shares on the same volume slice Perform for at least two different shares on at least two different volume slices		
Section: Shares – Edit Share						
Edit Share – rename s	The administrator should be able to rename a subfolder i.e change the path	none	standard Unix naming convention applies	Check that the path is changed in the filesystem		
Edit Share – rename description	The administrator should be able to change the description of the subfolder	none	none	Check that the description is changed in the smb.conf file or the XML file that will write out that information		
Group Access Configuration – Public Guest Access	The administrator should be able to assign a share to be accessible by anyone	Host Access Control must be configured CIFS service must be running NFS service must be running CIFS must be enabled for the share NFS must be enabled for the share	none	Try and access the share from a windows client Try to write data to the share and verify by checking on the filesystem Try to read data from the share		

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Group Access Configuration – Controlled Access – allow specified groups	The administrator should be able to assign a share to be accessed by one or more users	Host Access Control must be configured CIFS service must be running NFS service must be running CIFS must be enabled for the share NFS must be enabled for the share A primary group must be set by selecting the P radio button	A primary group must be set for a share in order for it to be accessible	Ensure that members of the specified group can access the share Try and access the share from a windows client Try to write data to the share and verify by checking on the filesystem Try to read data from the share		
Group Access Configuration – Controlled Access – allow read-only to specified groups	The administrator should be able to set a share as read only for specific groups	Host Access Control must be configured CIFS service must be running NFS service must be running CIFS must be enabled for the share NFS must be enabled for the share A primary group must be set by selecting the P radio button	A primary group must be set for a share in order for it to be accessible	Ensure that members of the specified group can access the share Ensure that read-only groups cannot write to the share Try to read data from the share		
Group Access Configuration – Controlled Access – allow write-only to specified groups	The administrator should be able to set a share as write only for specified groups.	Host Access Control must be configured CIFS service must be running NFS service must be running CIFS must be enabled for the share NFS must be enabled for the share A primary group must be set by selecting the P radio button	A primary group must be set for a share in order for it to be accessible	Try and read data on the share - this should be denied from a windows client and unix client Try and write data to the share – this should be allowed from a windows client and unix client		
Group Access Configuration – order by GID	The administrator should be able to order the groups by GID	User Information configuration must be set and at least two groups must exist	none	Groups should be ordered by GID		
Group Access Configuration – order by Name	The administrator should be able to order the groups by Name	User Information configuration must be set and at least two groups must exist	none	Groups should be ordered by Name		

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Group Access Configuration – order by Type	The administrator should be able to order the groups by Type	User Information configuration must be set and at least two groups of different type must exist	none	Groups should be ordered by type		
Host Access Configuration - SMB	The administrator should be able to set access control to a share by different protocols	Host Access Control must be configured CIFS service must be running	none	Try and access the share from a windows clients Try and access the share from a linux client check the smb.conf file to ensure that setting has been entered		
Host Access Configuration – NFS	The administrator should be able to set access control to the share via NFS	Local networks must be configured NFS service must be running	none	Check the /etc/exports file to ensure setting has been entered When export ACL is enabled, you should be able to access the share from a RH9 client		

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		Services: Enable / Disable			
SMB/CIFS	The administrator should be able to start and stop the SMB service	A share must be configured to support SMB/CIFS access Network Access Control must be configured A primary group must have been set for a share	none	Check that the Service is enabled when the status column shows that it is enabled. Do this by trying to access a share on the machine using a windows client and a Linux client. Disable the service. Check that the service is disable when the status column shows that it is disabled. Verify at the command line that the service is no longer working	
NFS	The administrator should be able to start and stop the NFS service	A share must be configured to support NFS access. Network Access Control must be configured A primary group must have been set for a share	none	Check that the service is enabled when the status column shows that it is enable. Do this by trying to mount the NFS share from a Linux client. Disable the service. Check that the service is disabled when the status column indicates this. Verify at the command line that the service is no longer working.	

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Services: SMB Settings					
Server String	The administrator should be able to change the name of the server as it will appear in network neighbourhood	The SMB service must be enabled.	none	Check that the machine string changes in network neighbourhood from a windows client	
Encrypted Passwords	The administrator should be able to decide whether encrypted passwords should be used or not	pending	pending	pending	
Section: General – Local Networks					
Add network	The administrator should be able to add a network or host that will subsequently be given access control to shares	There must be an existing share in order to verify that the configuration worked	none	The newly added network must be viewable in any shares that have been configured	
Delete network	The administrator should be able to delete a network or host that has provisionally been given access to the network	There must be an existing share in order to verify that the delete worked	none	The deleted network must no longer show up in an shares or in the shares list page	
Section: General – Clock					
Set System Clock Manually	The administrator should be able to set the system time manually	None	None	The system time should be verified at the command line and visually in the page once it has been set	
Set System Clock Using NTP	The administrator should be able to set the system clock from a time server	A default gateway must have been configured	None	The system time should be verified at the command line using the ntp client	
Set Timezone	The administrator should be able to set the timezone	none	none	Check that correct timezone has been set at the command line	

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Section: General – Shutdown					
Shutdown Type	The administrator should be able to determine the type of shutdown they want to perform, whether it's a halt or a reboot	none	none	The system should halt when shutdown type is set to halt. The system should reboot when shutdown type is set to reboot	
Delay Before Shutdown	The administrator should be able to set a delay for the shutdown process	none	none	Verify that delay works when shutdown is set to halt Verify that delay works when shutdown is set to reboot	
Check Filesystems on startup	The administrator should be able to determine whether the system will check filesystems when starting up after a shutdown process	none	none	Verity that the check filesystems is working by plugging a monitor into the machine	