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WarpStor Evaluation Configuration Workbook

1. Topology configuration

Please choose and fill-in **ONE** topology only.

1. Inline topology (Warpstor uses a filer as back-end store)

1. Client facing subnet: (ex. 10.8.6.0/24)
2. Filer facing subnet: (ex. 10.8.8.0/24)
3. Filer facing assigned IP address(es): (ex: IP/netmask/GW)
4. DNS servers; IP/names
5. Filer model and configuration (model, HA, # disks, etc)
6. IPv4 details of filer: (IP/netmask/gateway)
7. NFS transport: TCP/IP, IPoIB,RDMA ?
8. NFS exported share/volume name from filer: (ex: /data)
9. NFS mount options from Appliance to filer exported volume:
10. NFSv4 enabled on filer ? (true/false)
11. Filer NFS Delegation enabled (true/false)
12. Filer dedupe enabled (true/false)
13. Total size of exported NFS share (ex: 1TB)
14. Aggregate description under NFS share (ex: number of spindles, disk size, slices).
15. Estimated connected clients: concurrently and total

2. DA topology (Warpstor uses a SAN or DAS as back-end store)

1. Client facing subnet: (ex. 10.8.6.0/24)
2. DNS servers; IP/names
3. DAC/SAN mount options from Appliance to device
4. Total size of attached storage (ex: 1TB)
5. Aggregate description of the attached storage (ex: number of spindles, disk size, slices).
6. Estimated connected clients: concurrently and total

3. SA topology (Warpstor uses its own internal/attached storage)

1. Total size of requested storage (ex:1TB)
2. Client facing subnet: (ex. 10.8.6.0/24)
3. DNS servers; IP/names
4. Estimated connected clients: concurrently and total

2. Network Hardware configuration

1. Client facing switch

1. Config: Model, #of ports, redundancy
2. VLAN settings
3. port type: SFP/SFP+/BaseT/other
4. port speed: 10/100/1000/10000/40000/56000Mbps
5. port config: detection, duplex settings

2. Filer facing switch (if applicable, based on topology)

1. Config: Model, #of ports, redundancy
2. VLAN settings

3. port type: SFP/SFP+/BaseT/other
4. port speed: 10/100/1000/10000/40000/56000Mbps
5. port config: detection, duplex settings

3. Management port switch
1. Config: Model, #of ports, redundancy
2. VLAN settings
3. port type: SFP/SFP+/BaseT/other
4. port speed: 10/100/1000/10000/40000/56000Mbps
5. port config: detection, duplex settings

3. Warpstor Appliance Network Configuration

1. Direct connect to filer (if applicable, based on topology)
1. True/False
2. if true, connectivity type: ? Fiber Channel/other

2. Client facing network interface(s)
1. Client facing assigned IP address(es) (ex: IP/netmask/gateway)
2. Auto-negotiable speed ? If not, speed setting and duplex

3. Filer facing network interface(s) (if applicable, based on topology)
1.   Filer facing assigned IP address(es) (ex: IP/netmask/gateway)
2. Auto-negotiable speed ? If not, speed setting and duplex

4. Management network interface
1. Management interface assigned IP address(es) (ex: IP/netmask/gateway)
2. Auto-negotiable speed ? If not, speed setting and duplex
3. Admin Dashboard TCP/IP port: 5000 (default)

4. Environment Integration Information
1. Authentication
Warpstor needs UIDs and GIDs to be configured correctly to operate properly.
If there is a mismatch between WarpStor's configured UIDs and GIDs and external requests, errors will occur. Method #1 is recommended in eval situations.

Please select one the appropriate methods below:

1. list of UserID:GroupID that will access the appliance; this list of UID/GID will be added to the appliance to satisfy NFS permissions and ownership.

2. LDAP information: LDAP server IP address/Distinguished name/bind credentials (if applicable). Warpstor will connect indirectly (*via its own Radius proxy*) to your LDAP server to verify credentials and match UID/GID.
3. Radius information: IP, secret string, whitelist WST-IP. Warpstor will connect indirectly (*via its own Radius proxy*) to your Radius server to verify credentials and match UID/GID

2. Client workstation configuration

WarpStor requires **autofs** to be installed on each client in order to allow the client to browse, read and write to the exported NFS shares.

To that effect, Warpstor ships an autofs map file that needs to be installed in "<client_host>:/etc/"; this typically requires root or sudo access once to perform that operation.
The file "<client_host>:/etc/auto.master" also needs to be modified once, to include the provided map file. This also needs root or sudo access just once, at setup time.

Methodics provides a script that handles that configuration step; all that needs to be done is to run the script once as root or using sudo.

1. Client Operating system:
   1. Linux:
      1. Distribution:
         1. Debian
            1. wheezy
            2. jessie
            3. stretch
            4. sid
         2. Ubuntu
            1. 12.04
            2. 14.04
            3. 15.10

         3. RHEL
            1. RHEL5
            2. RHEL6
            3. RHEL7
         4. CentOS
            1. 6.x
            2. 7.x
         5. Fedora
            1. Fedora 20
            2. Fedora 21
            3. Fedora 22
            4. Fedora 23
            5. Fedora 24
         6. Suse
            1. Suse 10.x

2. Suse 11.x
3. Suse 12.x
4. Suse 13.x

7. Arch
    1. 2014.x
    2. 2015.x
    3. 2016.x
8. other
2. Windows
    1. Version
        1. Windows 7
        2. Windows 8
        3. Windows 10
3. Solaris
    1. Version
        1. 10 1/13
        2. other
4. other

2. Client mounts
    1. NFSv3
    2. NFSv4
    3. SMB