



Backup Share

GRIP ON SOL

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1 Backup Share

QGrip does only support backups to backup shares.

Minimum 3

- 1. Regular Backups**
 - DBBackup, LogBackup
- 2. Copy Only backups**
 - CopyOnly, Archive, BaseLine
- 3. Import**
 - For non QGrip backups

Backup Shares

A minimum of 3 backup share is needed for QGrip. The Import backup share can be omitted in a Secondary domain if any.

Preferred

- **Disk -> Share**

Capacity	10.206 MB	
Used Space	1.929 MB	18 %
Free Space	8.277 MB	81 %
Max Used	2.252 MB	22 %

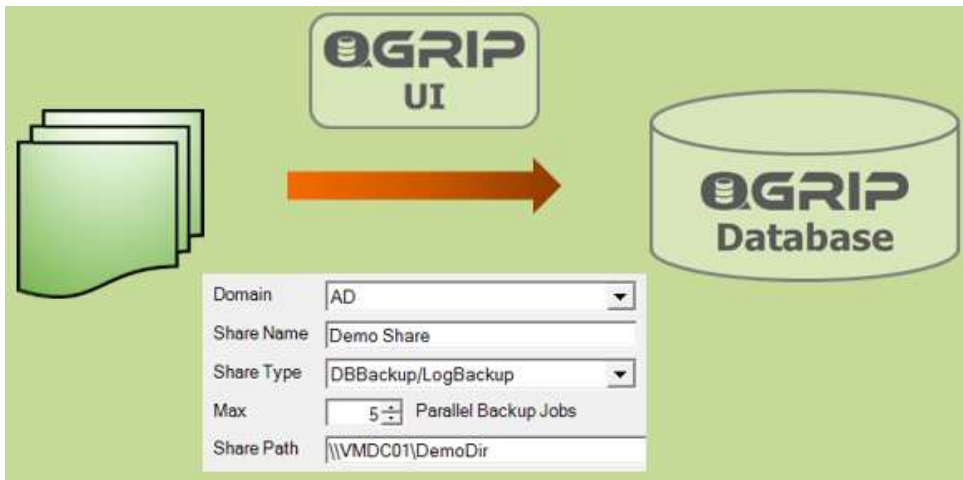
Preferably, each share should have its own disk as the disk size (free/used) is reported per disk and not by directory/share.

Possible

- **Disk -> Directory1 -> Share 1**
- Directory2 -> Share 2**
- Directory3 -> Share 3**

ShareName	Share Type	MaxParallel	SharePath	Size(MB)	Used(MB)	Free(MB)
Regular-Tst	DBBackup/LogBackup	5	\\VMDSWS2012\Backup001	61.088	9.317	51.771
Archive-Copy-Baseline	CopyOnly/Archive/BaseLine	5	\\VMDSWS2012\Backup010	61.088	9.317	51.771
Import	Import	5	\\VMDSWS2012\Backup011	61.088	9.317	51.771

But is it possible to work with non-overlapping subdirectories but if the disk is starting to run out of space, QGrip will not be able to pinpoint which share is causing the problem.



A backup share is added to QGrip via the QGrip-UI but the share must already exist on your infra structure.

When a backup share has been added to QGrip, the Accessibility check will run and will report any issues regarding the Pre-requests listed in the following section.

2 Backup Share Type

When adding a BackupShare in QGrip you will have to choose Share Type, that defines which type of backups will be made to the share.

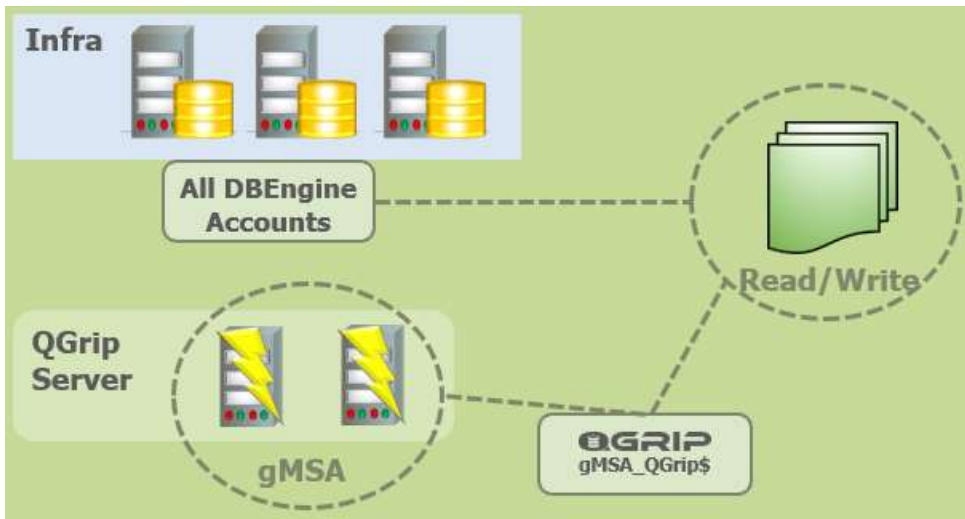
- **DBBackup/LogBackup**
These are the regular backups that are part of the Backup/Restore procedure. The backup files will be kept/removed according to the Clean-up definition you configure.
- **CopyOnly/Archive/BaseLine**
These are all “extra CopyOnly” backups that do not take part of the normal Backup/Restore procedure. When requesting a backup of one of these types, a “Keep until” date is mandatory. The backup file will stay on the backup share until the “Keep until” date has expired.
- **Import**
The Import backup share will only be used if you need to import databases from backup files from, for instance, a supplier or a DMZ environment. No backups will be made to this share nor will QGrip perform any cleaning. The share will only be scanned on demand. Only one Import share is needed even if you have multiple domains.

The total list of Share types:

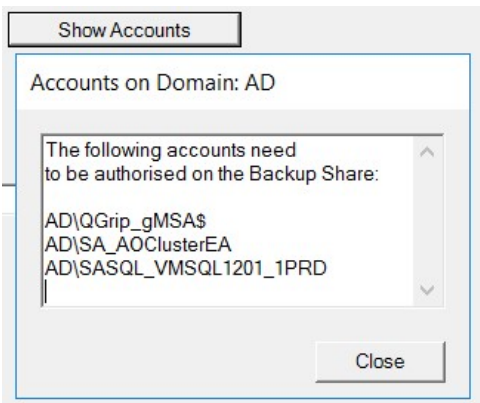
BackupShare Type	Remark
DBBackup/LogBackup	Mixed (FULL, FULL_COPY_ONLY, DIFF and TRAN).
DBBackup	Only for Database backups (FULL, FULL_COPY_ONLY and DIFF).
LogBackup	Only for Transaction log backups (TRAN).
CopyOnly/Archive/BaseLine	Mixed (COPY, ARCH and BASE).
CopyOnly	Only for CopyOnly backups (COPY).
Archive	Only for Archive backups (ARCH).
BaseLine	Only for BaseLine backups (BASE).
Import	No backups will be made to this share, only for Import-Database process.

FULL_COPY_ONLY backups are DBBackups made on a SQL Server AlwaysOn cluster.

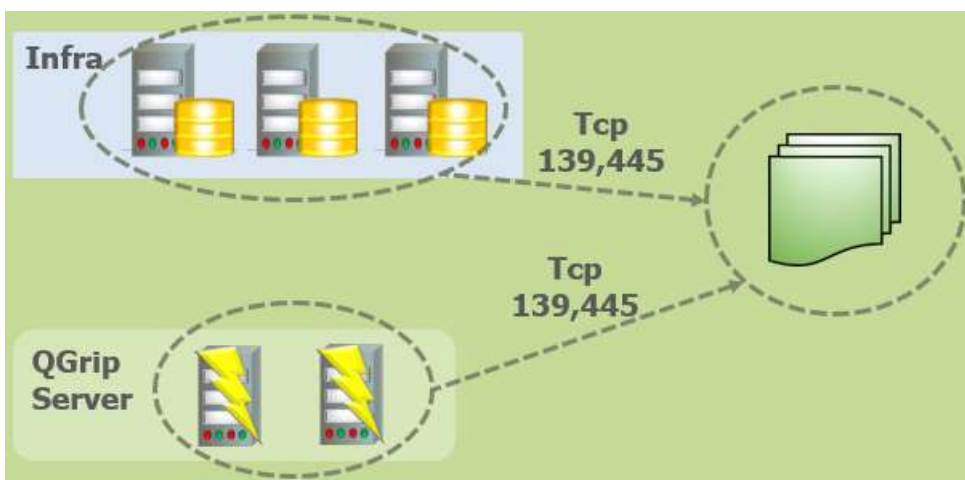
3 Pre-requests



The QGrip System Account and the DB-Engine account of all instances need to have Full permissions on the file share directory and read/write right on the share.



In the backup share edit window, the button 'Show Accounts' can be pressed to get a list of all accounts currently in QGrip, that need to be authorised.



Firewalls between the Instances, QGripServers and the backup share must be open on port 139 and 445.

4 Maintain Backup Share

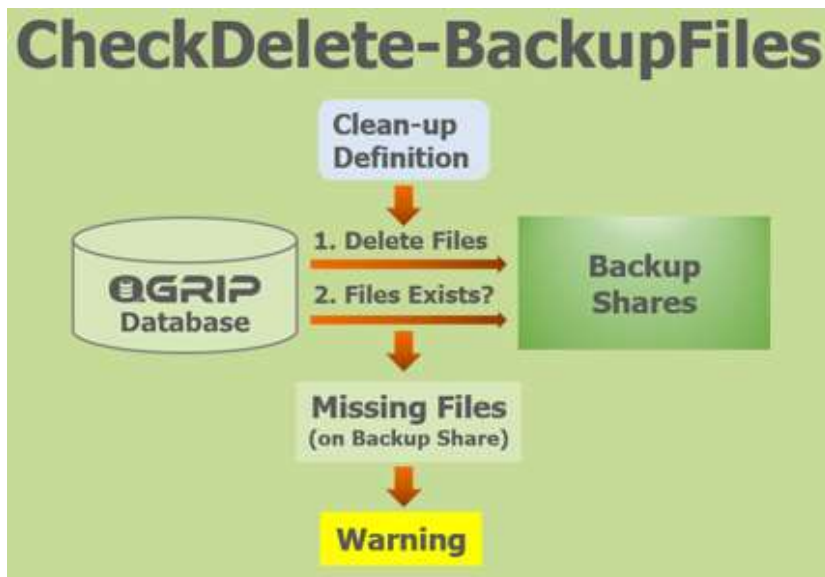
Only the Import share should be edited (files deleted/added) manually.

QGrip fully maintains the backup shares (except Import backup share) and the files on the shares must be consistent with the backup files registered in the QGrip database. The following Jobs will check for Inconsistencies:

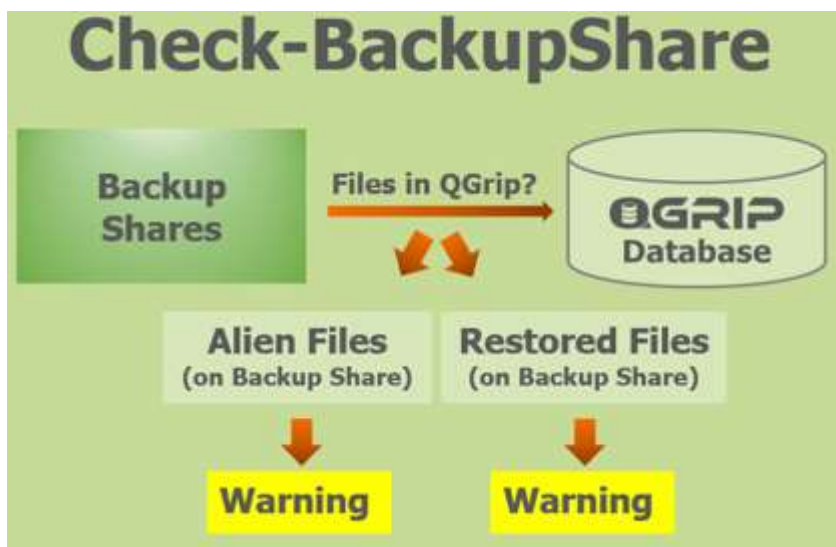
- DomainJob: DeleteCheck-BackupFiles
- DomainJob: Check-BackupShares

Fixing any Inconsistencies should be done in the QGrip-UI, except putting Missing files back on the backup share.

Doc-Tab	Title
QGrip-UI	Admin Menu-Infra



Maintenance & Consistency, QGrip -> Backup Share



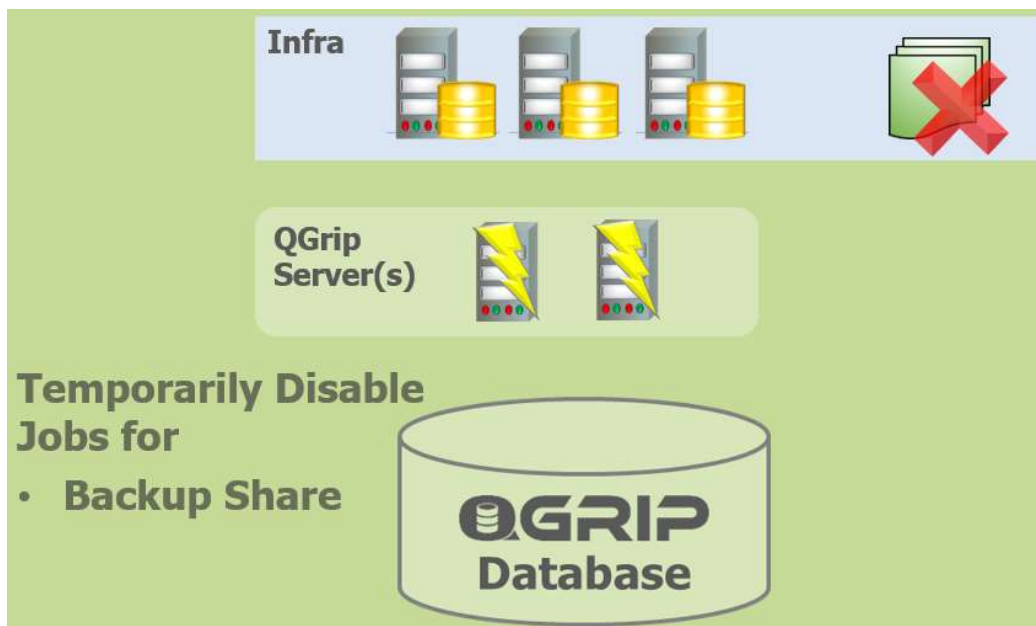
Consistency, Backup Share -> QGrip

5 Monitoring

The Free/Used space on the Backup Shares will be checked every 3 minutes from the Extra Job on the QGrip Server. Warnings will be issued if the FreeSpace % is dropping below the configured value or if the FreeSpace-Forecast in days drops below the configured value.

The threshold for these warning can be configured in QGrip-UI:
 Admin -> Config -> Parameters -> Warning FreeSpace

6 Maintenance Mode



A Backup Share can be put in Maintenance Mode for a period of time to prevent that jobs are started that will approach the Backup Share.