

QGRIP

Instance Server Cluster

GRIP ON SOL

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1 Instance

Both Named and Default SQL Server instances are referred to as 'Instance' in QGrip.



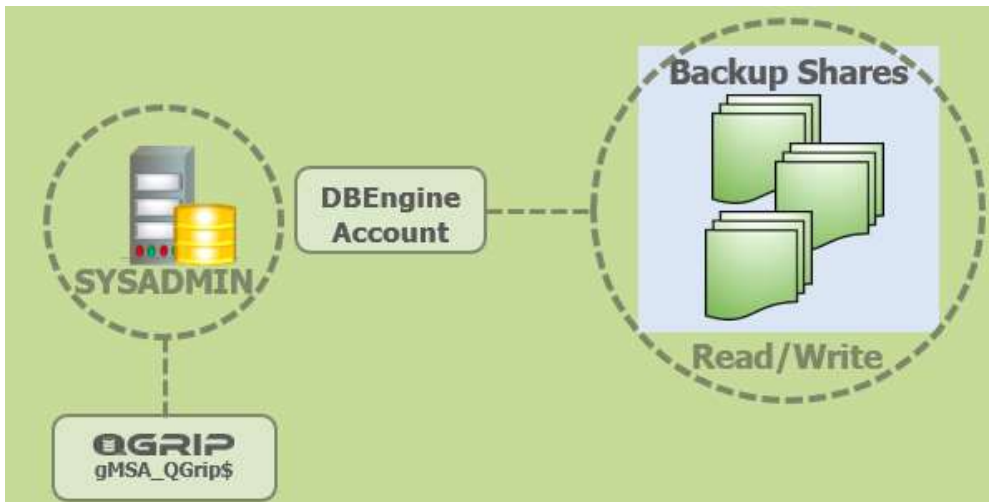
All Instances that you want to manage need to be added to QGrip. This can be done either One-by-One or via Import. The Instance Name should be the same as @@SERVERNAME on the Instance.

If Instance is part of an Always On cluster, all Instances in the cluster needs to be added to QGrip.

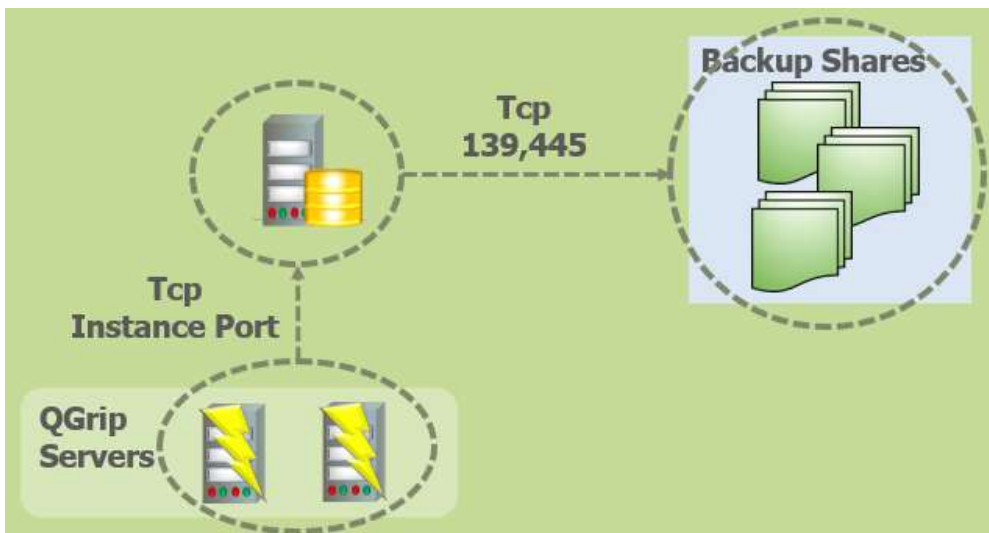
When an Instance has been added to QGrip, the Accessibility check will run and will report any issues regarding the Pre-requests listed in the following section.

1.1 Pre-requests

Requirement	Remark
SQL Server 2012 or Higher	
DB Engine service must run as an AD-account	Needed for access to all BackupShares within its own AD-Domain.
TCP-IP enabled	The TCP IP protocol needs to be enabled.
IP-All TCP Port	Fixed port needs to be set, not dynamic port.
One DTAP environment	QGrip considers all Databases on an Instance to belong to the same DTAP environment.
Always on Additional: Databases readable on all replicas	



The QGrip system account needs to be SYSADMIN on the Instance. The DB Engine account needs to have Read/Write permissions on all Backup Shares with its AD-Domain.



Firewall must be open from all QGrip Servers to the Instance on the Instance Port and from the Instance to the backup shares on port 139 and 445.

1.2 Instance Schedules

When all Accessibility issues have been solved, Instance Schedules can be added to the Instance. To make it easy, the Schedules are added from a template but can be modified for the specific Instance.

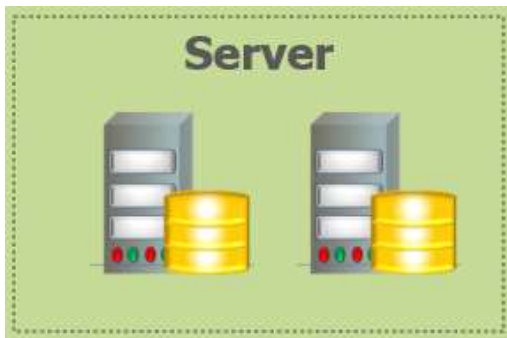
Instance Schedules:

- DBBackup
- LogBackup
- (CheckDB)
- (Optimise)
- Discover
- System Usage

The different Schedules/Jobs are described in Jobs: Schedules

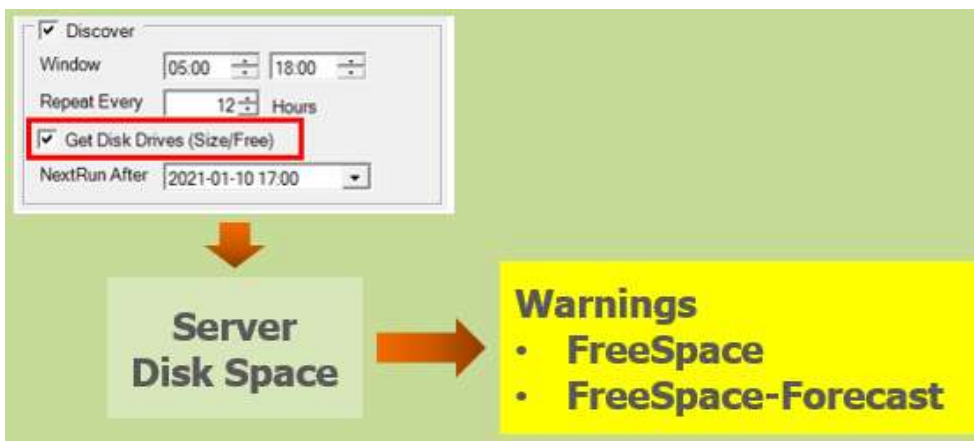
Before activating Backup jobs, be sure to disable backup jobs elsewhere.

2 Server



A Server is host of 1 or more Instances. The Server is automatically added to QGrip when the Discover job runs for the first time on one of the Instances.

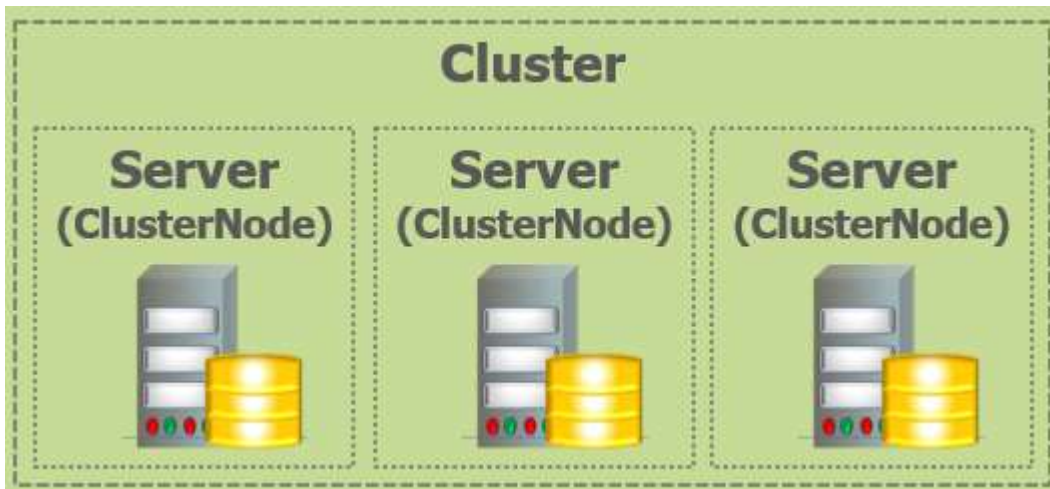
The SQL Server license is calculated by the Licensed Cores on the Server.



QGrip does only operate on SQL Server level and does not, by default, require access to the underlying OS and file system. It is, however, possible to activate the “Get Disk Drives (Size/Free)” option in the Discover job. QGrip will then temporarily enable system configuration option 'Ole Automation Procedures', get the size/free space of the disk drives, and disable the option again.

This will result in Server Disk Space that is also monitored in QGrip.

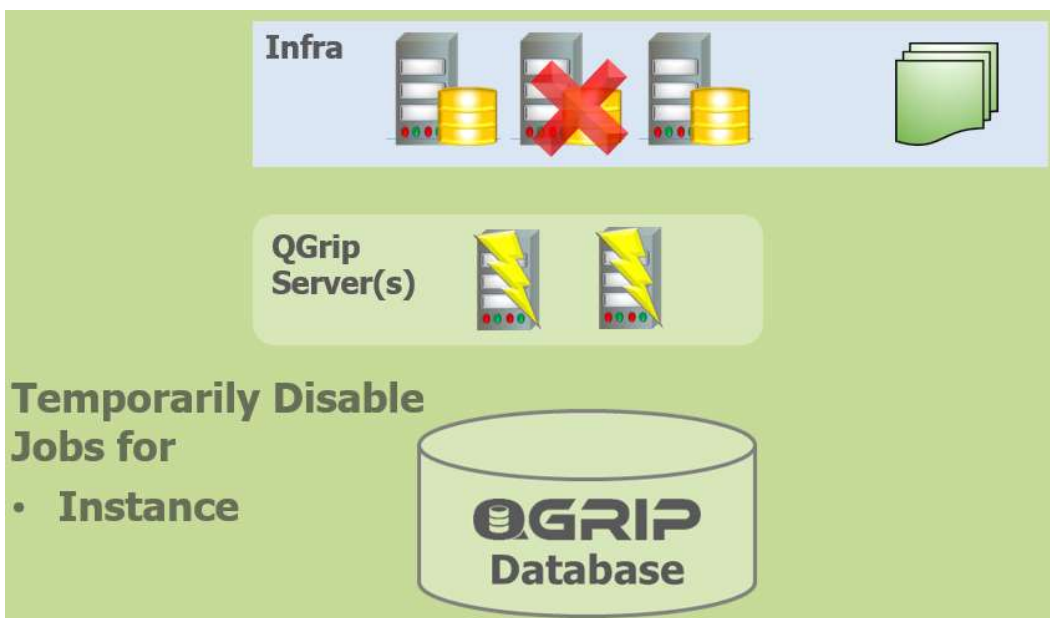
3 Cluster



A Cluster has 1 or more Cluster Nodes (Servers). The Cluster is automatically added to QGrip when the Discover job runs for the first time on one of the Instances on the Cluster. Information about Availability Groups, Backup Preferences, Listeners etc. will also be added to QGrip. The status of an Always on cluster will be monitored every 3 minutes and report Failovers.

If Instance is part of an Always On cluster, all Instances in the cluster needs to be added to QGrip.

4 Maintenance Mode



An Instance can be put in Maintenance Mode for a period of time to prevent that jobs are started on Instance.