



**Domain  
Jobs**

**GRIP ON SOL**

**2024-04-16**

## Contents

1	Domain Jobs.....	3
2	Remote Jobs - Priority.....	4
3	Parallel Jobs.....	5
4	DomainJob: Get-ADGroupMembers.....	5
5	DomainJob: DeleteCheck-BackupFiles.....	6
6	DomainJob: Check-BackupShares.....	6
7	Inconsistencies Backup Shares.....	7
7.1	Definitions.....	7
7.2	Solve Inconsistencies.....	7

## 1 Domain Jobs

- **Get-ADGroupMembers**
- **DeleteCheck-BackupFiles**
- **Check-BackupShares**

### Get-ADGroupMembers

Collect group members from the Active Directory for logins on the Instances of type AD-group. The information is added to QGrip where you can see the members of the groups and exactly who has access to SQL Server on AD-user level.

### DeleteCheck-BackupFiles

Deletes backup files on the backup shares using the clean-up definition. It also checks that the files that are registered in the QGrip databases really exists on the backup shares.

### Check-BackupShares

Checks that the files on the backup shares also are registered in the QGrip database.

### Recommended documentation

Doc-Tab	Title
Jobs	Jobs & Queues
Jobs	Schedules

## Queue

- **Remote Jobs (MISC)**

The jobs are running from the Remote Jobs queue.

Domain jobs should be scheduled but they can also be triggered manually with a job request.

## 2 Remote Jobs - Priority

The Remote Job queue is the miscellaneous queue and is used for all Jobs that are not Restore-Clone or Backup-Maintenance.

### Priority

When a Job is pushed on the Queue the priority will be determined. When job start after timestamp is equal, the job with the highest priority will be picked up first. The Priority is the sum of the JobType priority and the Environment priority.

Job Type	Sub Type	Priority	Environment Prio
Check-On-AD	AD-Accounts	140	N/A
Accessibility	QGripServer-Instance	130	EnvPrio1
Accessibility	QGripServer-BackupShare	120	N/A
Accessibility	Instance-BackupShare	110	EnvPrio1
Accessibility	QGripServer-Listener	100	EnvPrio1
Accessibility	QGripServer-FileTransfer	95	N/A
Create-QGrip-Login Drop-QGrip-Login Drop-QGrip-AgentJob ChangePassword VerifyPassword File-Transfer Scan-Import-BackupShare	N/A	90	EnvPrio1
Create, Drop	Database	80	EnvPrio2
Create, Drop	Roles+Members	70	EnvPrio2
Create, Drop	Logins	60	EnvPrio2
Discover	N/A	50	EnvPrio1
<Reserved>	N/A	40	EnvPrio1
Clean-up	All	30	N/A
<b>DomainJob</b>	<b>All</b>	<b>20</b>	<b>N/A</b>
SystemUsage	N/A	10	EnvPrio1

Examples:

Verify Password Production = 90 + 6 = 96

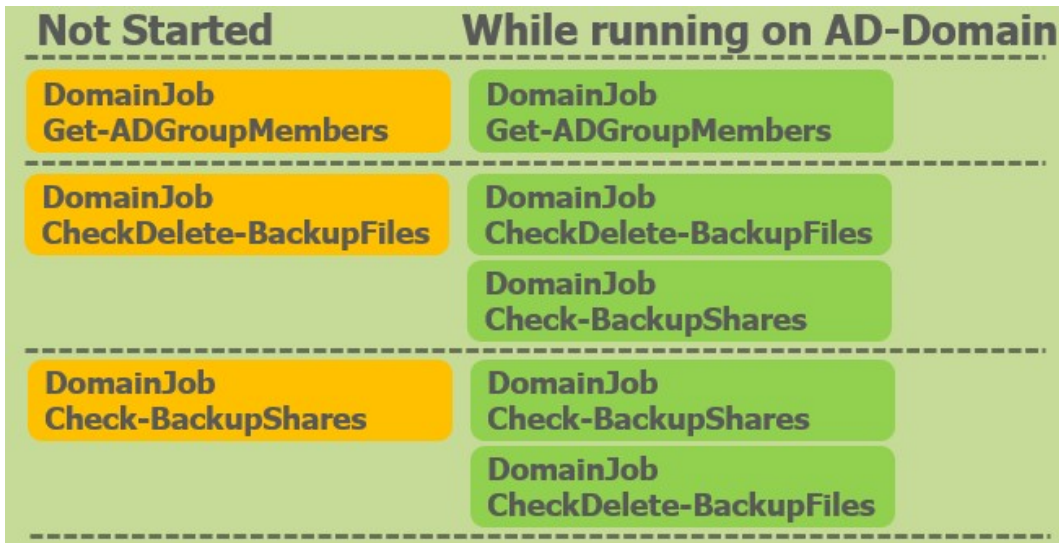
Create Database Develop (\*) = 80 + 6 = 86

Create Database Production (\*) = 80 + 1 = 81

(\*) The normal order is that a database first is created in Develop and then in Production.

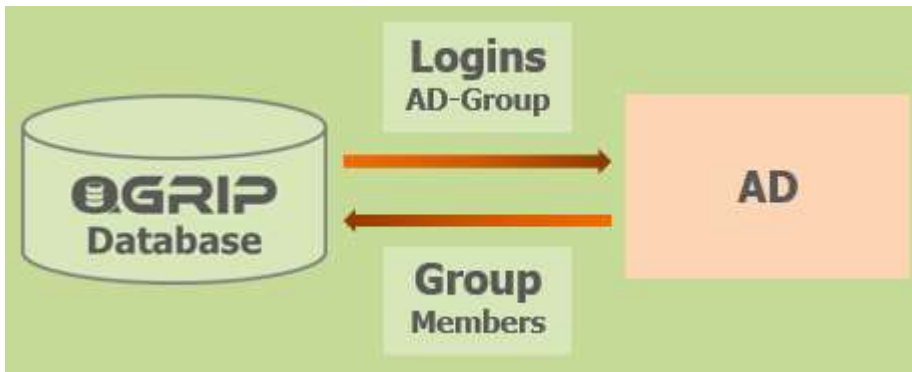
Environment	EnvPrio1	EnvPrio2
Production	6	1
Integration	5	2
Acceptance	4	3
Test	3	4
UnitTest	2	5
Develop	1	6

## 3 Parallel Jobs



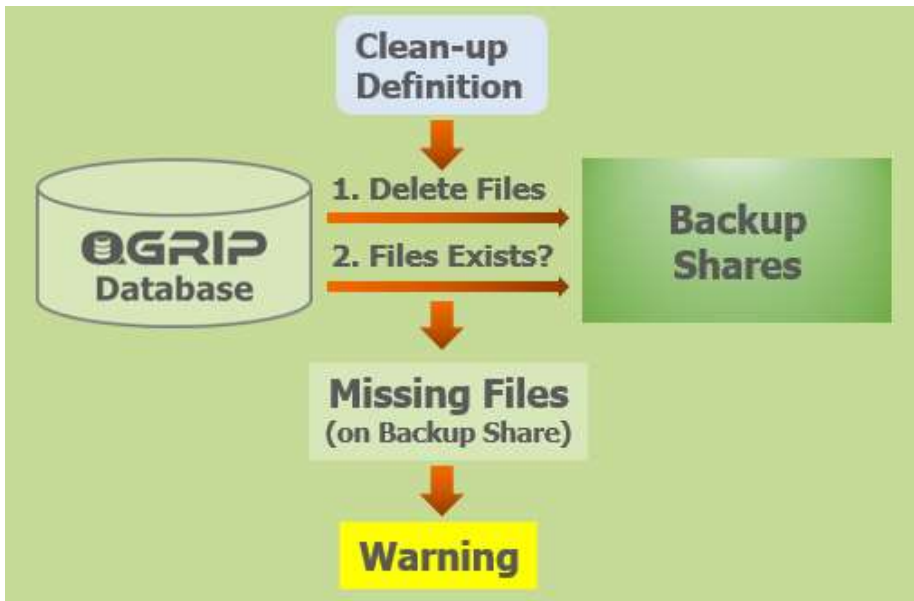
All jobs will only be prevented from starting if the same job is already running on the AD-Domain. The job types DeleteCheck-BackupFiles and Check-BackupShares will not run in parallel on the same AD-Domain.

## 4 DomainJob: Get-ADGroupMembers



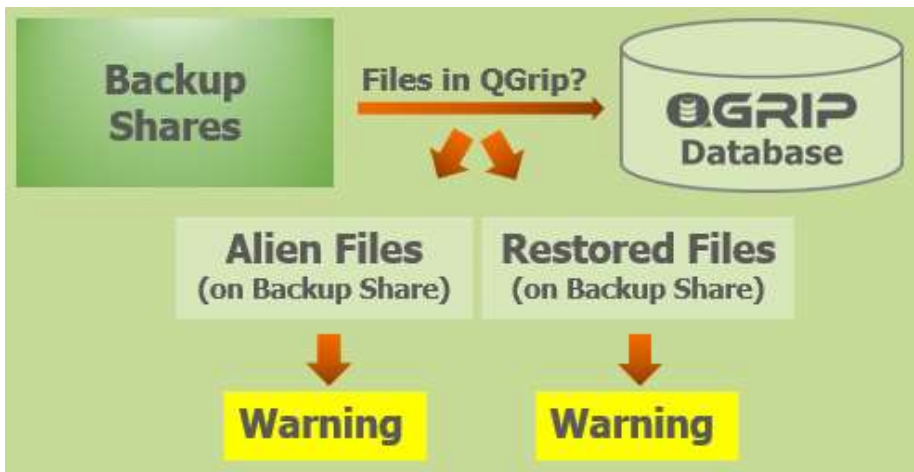
Collect group members from the Active Directory for logins on the Instances of type AD-group. The information is added to QGrip where you can see the members of the groups and exactly who has access to SQL Server on AD-user level.

5 DomainJob: DeleteCheck-BackupFiles



Deletes backup files on the backup shares using the clean-up definition. It also checks that the files that are registered in the QGrip databases really exists on the backup shares.

6 DomainJob: Check-BackupShares



Checks that the files on the backup shares also are registered in the QGrip database.

## 7 Inconsistencies Backup Shares

Inconsistencies on the backup share might be detected by the jobs

- DeleteCheck-BackupFiles
- Check-BackupShares

### 7.1 Definitions

<b>Missing File</b> (on Backup Share)	<b>QGrip Backup File is missing on Backup Share, probably deleted manually.</b>
<b>Alien File</b> (on Backup Share)	<b>Non QGrip Backup File found on Backup Share, probably placed there manually.</b>
<b>Restored File</b> (on Backup Share)	<b>QGrip Backup File found on Backup Share that has been deleted according to QGrip. File probably restored from Tape or Secondary storage.</b>

### 7.2 Solve Inconsistencies

<b>Missing File</b> (on Backup Share)	<ol style="list-style-type: none"> <li>1. Delete file in QGrip administration.</li> <li>2. Request new backup of Database if needed.</li> </ol>
<b>Alien File</b> (on Backup Share)	<ol style="list-style-type: none"> <li>1. Mark file for Deletion.</li> </ol>
<b>Restored File</b> (on Backup Share)	<ol style="list-style-type: none"> <li>1. Mark file for Deletion.</li> <li>2. Re-register file in QGrip, will enable restore of file.</li> </ol>

In the QGrip-UI:

Admin->Infra->Backup Shares->Inconsistencies

Run DomainJob Manually:

Check-BackupShares