

QGRIP

**Centralised
Application Based
Database Management
for
SQL Server on-premises**

GRIP ON SQL

2024-04-09

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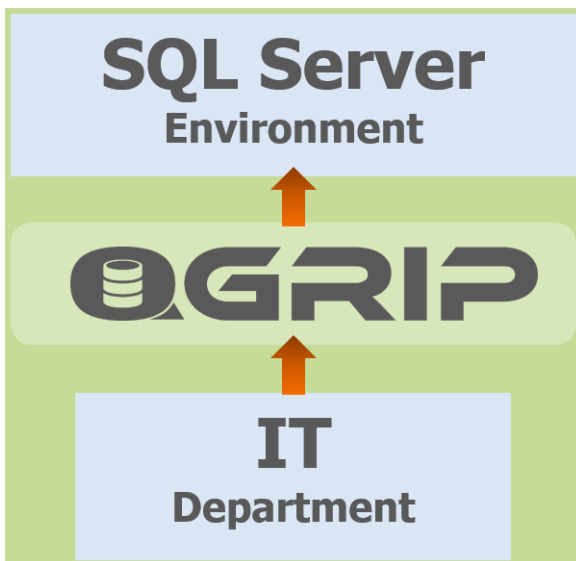
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1 QGrip

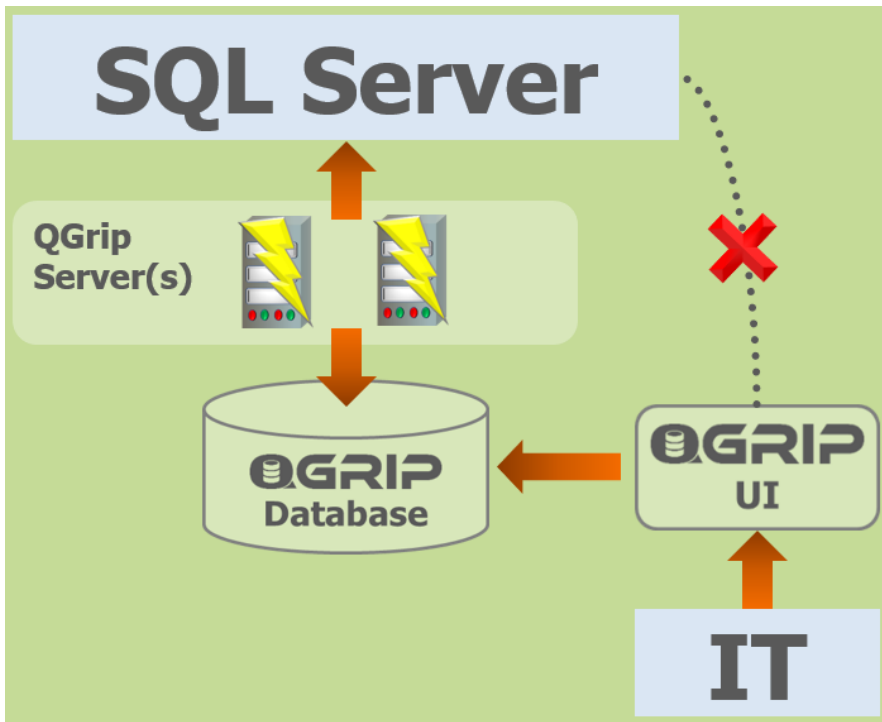
- **Centralised**
- **Application Based**
- **Database Management**

QGrip is a 'Centralised Application Based Database Management' tool for SQL Server on-premises at SQL Server Level (not OS). All organisations using SQL Server can benefit from QGrip. The supported features cover the functionalities needed to successfully and efficiently manage the SQL Server estate. Smaller organisations might only be interested in the out-of-the-box Backup & Restore functionality, but larger organisations with development-, test-, DevOps- and Scrum-teams can profit from the possibility to let the teams do more themselves.

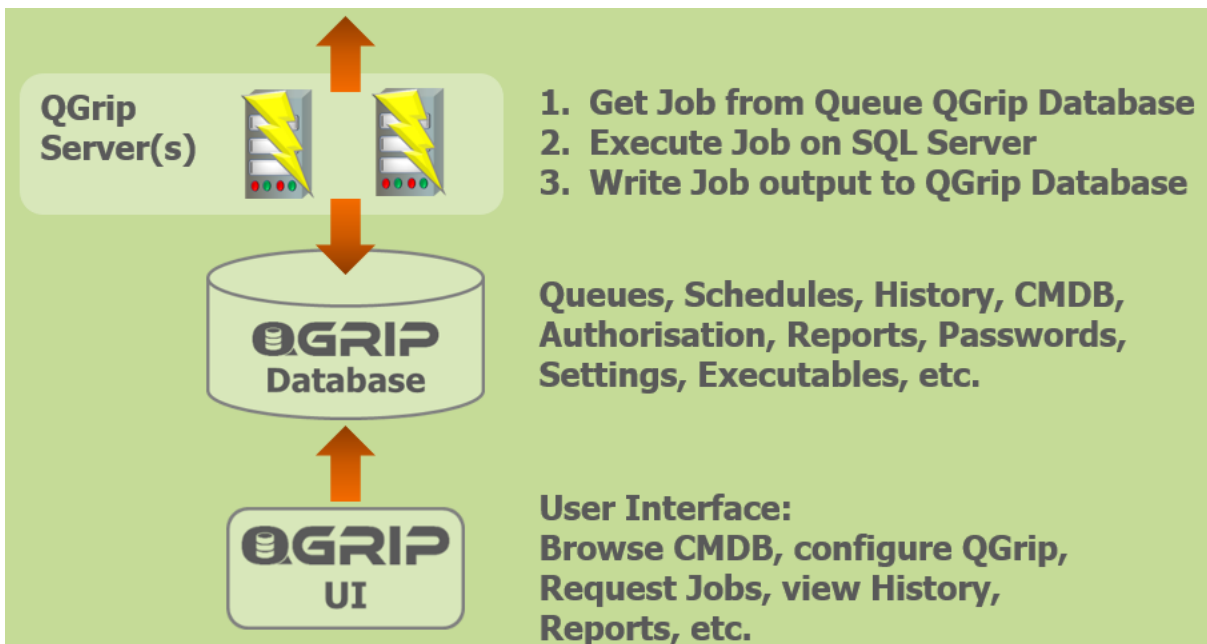
2 QGrip Layer (Centralised)



QGrip will form a layer between the IT Department and the SQL Server Environment.

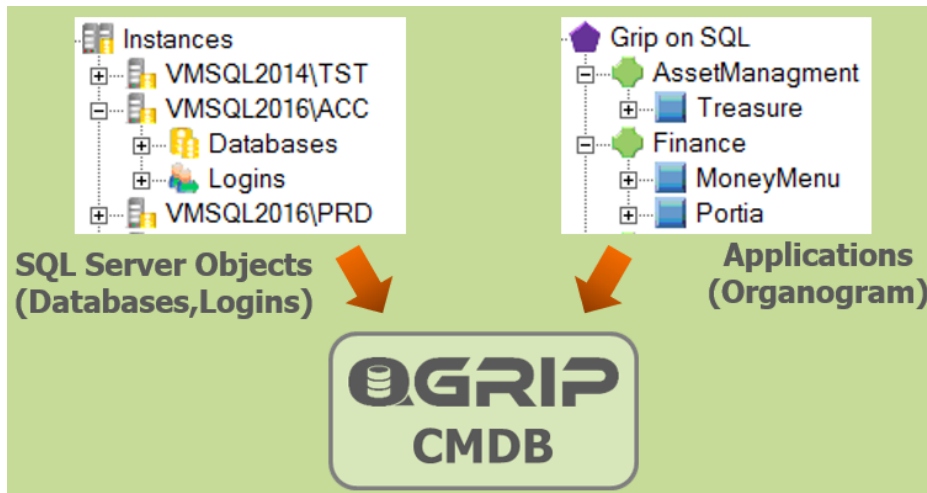


The QGrip layer consists of 3 components: The QGrip Server(s), the QGrip Database and the QGrip-UI (User Interface). Note that the QGrip-UI solely communicates with the QGrip Database and never directly with the SQL Server Environment.

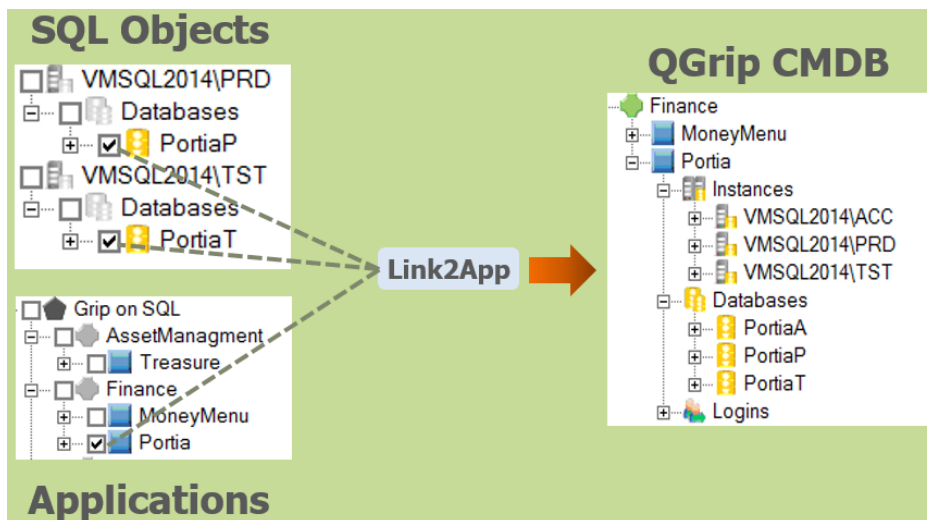


The entire SQL Server Environment is managed from the QGrip database that contains the job schedules and the queues.

3 QGrip CMDB (Application Based)



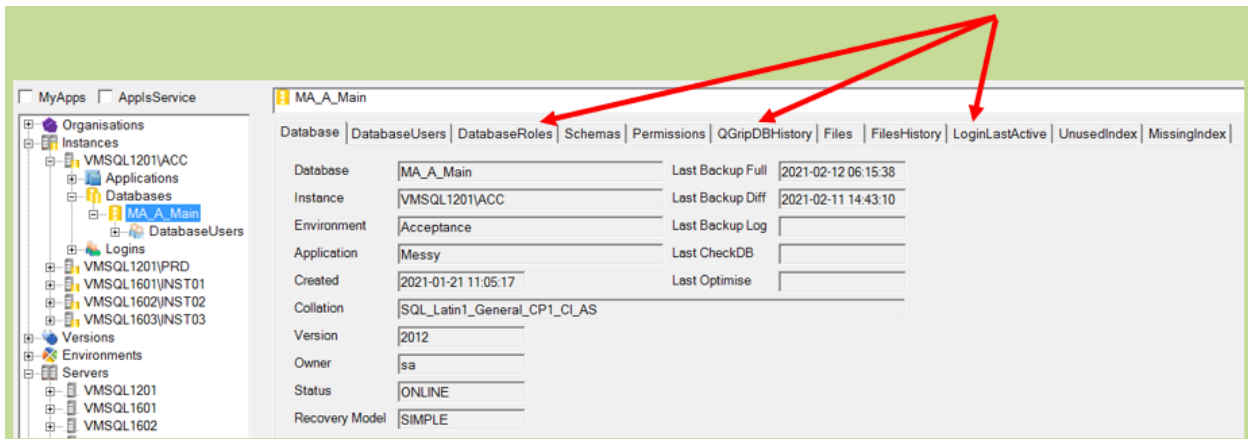
The QGrip CMDB (Configuration Management Database) is the very heart of QGrip. It contains the SQL Server objects and the Applications within an Organisation together with their owning Units/Departments.



The SQL Server objects will initially need to be linked to one Application, that is considered to be the owner of the object. The QGrip CMDB can be browsed and viewed in the QGrip-UI (User Interface) with a great overview of all Applications and their SQL Server objects.

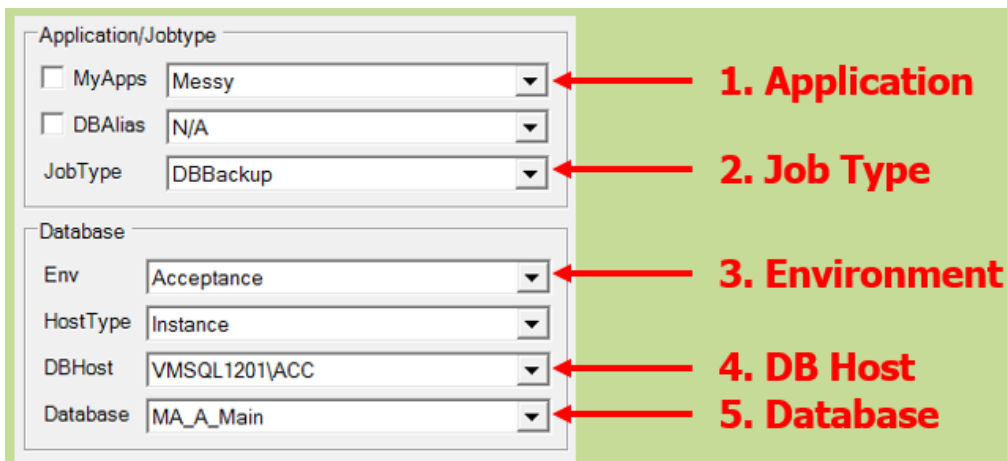


There are different starting points for browsing the QGrip CMDB to approach the content from different angles.



When an object has been selected, detail tabs will be available with related information.

The information in the QGrip CMDB is not only used to display the objects in the QGrip-UI. It is also used for Authorisation, Request Jobs, Free Space monitoring, Charges (Split Costs), etc. The content of the QGrip CMDB can easily be exported and serve as input for import to your own Organisation CMDB.



Whenever an Application related job is requested, the first choice is always the application. Environment and DBHost/Database is filled with available values and filtered after each choice. The QGrip-User will only be able to see and select the applications/environments he/she is authorised for.

4 QGrip Database Management



The features supported by QGrip covers the functionalities needed to successfully and efficiently manage a SQL Server environment.

CMDB SQL & Application

Better grip with overview and details in QGrip-UI.

Backup & Maintenance

Database and log backup, CheckDB and Optimise indexes and statistics.

Restore & Clone Database

Restore, Clone and Import databases, migrate databases with minimal application downtime.

Create & Drop Database/Login

Create databases, logins and database users using predefined standards and naming conventions.

Monitoring

Monitoring and reporting of failed and long running jobs, instances and backup shares that are not accessible, free space, failovers, inconsistencies, missing and invalid passwords, etc.

Maintenance Mode

Parts of QGrip and Infra can be set in maintenance mode to prevent that jobs are started during patching etc.

Teams & Authorisation

Set up authorisation for QGrip-Users and define which Job/Application/Environment combination they are allowed to perform.

Trace & Audit Reports

QGrip keeps track of activities in trace tables used for audit reports.

Access Reports

Reports of who has access to Application, Instance, Database and with which privileges.

System Usage

Reports of resources (connects, CPU, IO and memory) used by Login/Application per block of 10 minutes, hour or day.

Charges, Split Costs

Put price tags on the different Infra components (Servers, Instances, etc.), define how the costs should be split and let Applications pay their fair share.

Standards & Naming Conventions

Define template databases, logins and database roles to be used when creating new objects.

Password Safe

Password safe for all SQL Server authenticated logins, regularly validated with inconsistency warnings.

SQL Licenses report

SQL Server License compliance reports based on core-based license.

Install SQL Server Instance

Plugin for installing new SQL Server Instances from a template within a few minutes. Define and automatically run hardening scripts. New instance will be added to QGrip with needed authorisation on Backup Shares etc.

(Deploy Application Release)

Create a deployment unit for application objects (tables, stored procedures, etc.) that can be deployed unattended thru the QGrip queues. This feature is not ready yet but might be added in a future release.

5 QGrip Benefits

- **Better Grip**
- **Out-of-the-box**
- **No major investments**
- **One User Interface**
- **No Direct Access SQL Server**
- **SQL AlwaysOn Backup & Restore**
- **Split Costs Fairly**
- **Export CMDB**

The ultimate benefit of QGrip is in the time and cost savings that result from generating accurate information in a more efficient way. The list of individual benefits from QGrip is long, but the above list highlights key points. One thing is certain, the 'Grip' on the SQL Server environment will be enhanced which implies that efficiency will improve. The QGrip CMDB will be up-to-date and contain the most relevant information regarding the SQL Server environment and will probably replace most of the documents and excel sheet that are now kept. The Warnings generated by QGrip will enable you to solve problems before they occur.

6 QGrip User

- **DBA**
- **DevOps teams**
- **Testers**
- **Developers**
- **Etc.**

Any IT-staff member can be a QGrip-User and will be limited to the Jobs/Applications/Environments they have been authorised for in QGrip and no direct access to SQL Server is required. The SQL Server DBA should be QGrip-Admin which is the QGrip super user.

7 QGrip Implementation

• First QGrip Server + Database	(1 hour)
• Additional QGrip Server	(15 min)
• Initial Configuration	(1-4 hours)

• Add Instance	(5 min)
– Link Objects to Application	(5 - ? min)

The technical implementation of QGrip should not take more than an afternoon if it has been well prepared and there are no firewall issues. The 'Install Road Map' document and the 'Implementation-Aid-Kit' that can be found on our website, will help and guide you during the implementation. If you need any assistance, do not hesitate to contact us.

8 QGrip License

QGrip requires a valid license key. During the initial installation of QGrip, a Trial License Key will be generated. The key is unique for the QGrip installation and cannot be shared with others.

Trial License

Level	Max Instances	Max QGrip Users	License Fee
0	5	5	€0 / 45 Days

The Trial License key is valid for a max of 5 Instances and 5 QGrip Users for a period of 45 days. This will give you the opportunity to try out QGrip and see if it is suited for your organisation.

Production License, Prices 2024

Level	Max Instances	Max QGrip Users	Annual License Fee (*)
1	5	5	€2.000 / Year
2	15	10	€4.500 / Year
3	40	25	€8.000 / Year
4	100	50	€15.000 / Year
5	170	80	€17.500 / Year
6	250	250	€20.500 / Year

(*) Prices are in Euros excluding Dutch VAT 21% whenever applicable.

The Production License Key is valid for 1 year.

The end date is determined using the end date of your current key.

The price depends on the number of max Instances /QGrip User you choose.

We do not sell License Keys on our website so you will need to contact us via email for the purchase.

9 QGrip Documentation

QGrip is well documented and comprehensive documentation/manuals can be found on our website:

- www.griponsql.org/qgrip/documentation