

Install QGrip



2024-04-14



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1 Introduction

This document describes the installation of the QGrip components and finally the distribution the Grip-UI. This manual should be used during both initial installation and upgrades, described in different chapters. Prior to proceeding with installation, it is important to first make sure that you understand the architecture QGrip needs in order to work properly.

QGrip stores all its components in the QGrip database, including all executables and the Setup.exe. If you start a client executable and the version does not comply with the version in the database, you will be asked to download it from the database. The executables used by the worker processes on the QGrip Servers are automatically downloaded and installed if the version does not comply.

There is only one Setup.exe that can be used for all actions described in this document.

2 Initial Database Dump

Initial database dump: Mail: info@griponsql.org ✓QGrip_x.y.zz-FULL.bak

We want to keep track of who is using QGrip and the initial database dump that you need to install and use QGrip cannot be downloaded from our website. Send an email with your request and we will send you a link and a password that you can use to download the initial database dump.

3 Latest version QGrip Software

Latest version:

The latest version of QGrip is a zip-file that can be downloaded from our website or you will receive a link to download it. Once extracted, there is an PreSetup.exe that needs to run. The PreSetup will prepare the QGrip directory for the Upgrade so that the Setup can be started.

The appendix contains a section with detailed instruction how to run the PreSetup.



4 QGrip Directory

Preferred directories

- 1. D:\QGrip
- 2. E:\QGrip
- 3. D:\Apps\QGrip
- 4. E:\Apps\QGrip

The QGrip directory is the directory on the QGrip Server where the QGrip components are installed. The directories above are only a preference. Advice is to use the <u>same directory on all</u> QGrip Servers.

5 Preparation and authorisation

QGrip Database Initial Installation and/or adding new QGrip Server, check completion of

• Install: Prepare Infra

The account you are using for the installation needs to be:

- Local Admin on the QGrip Server
- SYSADMIN on the Instance(s) where the QGrip database is running.

6 QGrip License Key

During the first installation (prepare) of the QGrip database, a Trial License Key will be generated. The Trial Key will enable you to try out QGrip and see if it is interesting for your organisation.

- Trial Key
 - ✓ Generated during first install
 - ✓ Valid for 45 days
 - ✓ Max Instances 5, Max Users 5

If you want to continue using QGrip after the Trial period or you are limited by Max Instances/Users, contact us to purchase a Production Key. The different Levels and prices can be found on our website.

- Production Key
 - ✓ Distributed after Payment
 - ✓ Valid for 12 months (from Expire date last key)
 - \checkmark Max Instances / Max Users depend on what you purchase



7 QGrip Components



An overview of the QGrip components within one AD-Domain.



Multiple AD-Domain configuration.

The Multiple AD-Domain configuration picture above is used in the descriptions of the different type of Setups that should be run. If your configuration only covers one AD-Domain, everything will be in the First domain.

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8 QGrip Setup

QGrip uses <u>one</u> Setup. The setup should be available in the QGrip directory on each QGrip Server. The setup should be used to Prepare and Upgrade the QGrip Database, Install and Uninstall a QGrip Server and to Update the QGrip License. The QGrip database contains all QGrip (client) executables and the Setup should be used to initially download the QGrip.exe and QGrip-SQL-Installer.exe from the database. There is also an option to add the current user as QGrip-Admin that can be used if the 'last' QGrip-Admin has accidentally been removed.

The different types of Setup are described in different chapters so they can easily be found and described, but they can be combined, as long as the buttons in the Setup are enabled.

Each section describes on which QGrip Server the Setup should be started for the intended purpose and a quick overview of which buttons to push.

8.1 Run the Setup



To run the Setup, login on the QGrip Server and go to the QGrip directory created and/or prepared during the PreSetup (or manually prepared in case of a secondary QGrip Server).

Start the Setup.exe as administrator.

QGrip >		~ U	Search QG
Name	~		Da
NewVersions			8//
🚺 Setup.exe 🛛 🛶 🛶	-		
C Setup.ico	Run as a	dministrator <	-

The Install/Configure QGrip window will open.



Grip Directory		Grip Database Versio	n	
Directory E:\QGrip		Current	Available	
	Accept	Possible Actions		
OGrie Database / Hest		CQGrip Database		
Host		Prepare	Upgrade	
Database		QGrip Server		_
	Change Accept	Install	Uninstall	
QGrip System Account		QGrip License		
Account		Update		
QGrip Login				
	Change Accept	QGrip.exe	Download	
		-QGrip Additional		
		QGrip-Admin	Pwd-Reset Fix-Hacked	
			-	
			1.	2.

Only valid choices will be enabled.

On the left, you need to Accept each configuration value.

If you try to [Change...] a value that cannot be changed, you will receive an error message with further instructions.

1. [Restart] - Resets the window.

2. [Exit] - Closes the Setup window. A popup will appear with the name and location of the Log File of all actions.



9 Setup: QGrip Database Initial



If it is the <u>very first</u> time you install QGrip, you should follow the steps in this section and complete all steps before continuing with installing/configuring other QGrip Servers. For this install, choose one QGrip Server in <u>the first domain</u>. That is the domain where the QGrip database will be running.

9.1 Get: Initial Database Dump

Initial database dump: Mail: admin@griponsql.org ✓QGrip_x.y.zz-FULL.bak

Contact us to receive a link and a password that you can use to download the initial database dump.

9.2 Download: Latest version QGrip Software



The latest version of QGrip is a zip-file that can be downloaded from our website.

9.3 Restore: QGrip Database

Initially, you will need to Restore the downloaded backup file QGrip_x.y.zz-FULL.bak file manually on the QGrip Database server.

For a detailed description, see appendix:

- 18.1 Initial Restore: QGrip Database
- 9.4 Run: Pre-Setup



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The Pre-Setup will prepare the QGrip directory on the QGrip Server and organise new releases. Perform the Pre-Setup with the downloaded file QGrip-PreSetup.x.y.zz.zip.

For a detailed description, see appendix:

• 18.2 Pre-Setup on QGrip Server

9.5 Run: Setup

Description	Notation	Example
QGrip Directory	<qgrip-dir></qgrip-dir>	E:\QGrip
QGrip DBHost Name	<qgrip-dbhost></qgrip-dbhost>	VMSQL2019\PRD
QGrip DBHost Port Number	<qgrip-dbhost-port></qgrip-dbhost-port>	1433
QGrip Database Name	<qgrip-database></qgrip-database>	QGrip
QGrip System Account	<qgrip-system-account></qgrip-system-account>	gMSA_QGrip\$

Information needed during setup.

QGrip Directory	QGrip Database Version
Directory E:\QGrip	Current 1.0.00 Available None
Acc	Possible Actions
QGrip Database / Host	- QGrip Database
Host ATSTSQL22L1.1460	
Database QGrip_P	QGrip Server
- Sproe -	Est Uninstall
QGrip System Account	QGrip License
Account GOS-A\TST_gMSA_QGrp\$	Update
QGrip Login GOS-A\TST_gMSA_QGrp\$	QGrip Downloads
Change Acc	OGrip.exe DoQad
	- QGrip Additional
	QGrip-Admin Pwd-Reset. Fix-Hacked
	Restart Exit

QGrip Database / Host		Set QGrip Database	
Host		Instance/Listener	—
Database		Port	
,	Change	Database	Get-Databases
		ок	Cancel

2. Select QGrip Database/Host.

QGrip System Account	Set QGrip System Account
Account QGrip Login	Domain AD Account (gMSA) QGrip_gMSA\$
Accept	OK Cancel



4. Select QGrip System Account

Prepare QGrip Database		QGrip Master Password
Feedback	~	QGrip Master Password Xy8,3W:F:YBE2g:^P5+(RLb9Zl4)
		Save and secure this password. It will be needed if the QGrip Database is moved (planned and disaster) to a new Database Host.
Prepare	Close	OK Cancel

6. Press Prepare, copy and save the Master Password and confirm action. Window will be disabled until finished.

Upgrade QGrip Data	abase to versi	ion: 0.1.16			
Current Version Available Version	0 1.15				
Feedback.					*
		-	Upgrade	Close	

7. Press Upgrade and confirm action. Ignore backup warning. Window will be disabled until finished.

Install QGripServer: VMSS01		
Install QGrip Server Processes 10 💽		[
10 20		^
	Install	Close

8. Choose number of Processes, press Install and follow instructions. Window will be disabled until finished.

				2 779
<- ` ↑ ↑	> APP (E:) > Apps > QGrip	~ 0	Search QGrip	م
File name	: QGriplexe			
Save as type:	exe files (*.exe)			

9. Download the QGrip.exe to the QGrip Directory. Remove the version number before saving.

Pre-Configuration

During the Installation the following pre-configuration of QGrip will been done

• <QGrip-System-Account> has been added as login on the <QGrip-DBHost> with SYSADMIN privileges, in case of AlwaysOn Cluster, on all replicas.



- <QGrip-DBHost> has been added as Production Instance(s) in the QGrip configuration.
- "Your AD-Account" will be added as member of the Team "QGrip Admin" in the QGrip configuration.

The Initial configuration of QGrip should be done with the account "Your AD-Account".

Possible problems:

2. Select QGrip Database/Host.

If you cannot connect to the Instance/Listener, you will need to check that you have access to the DBHost and that there are no firewalls that need to be opened. Do also check that TCP is enabled for the Instance(s).

4. Select QGrip System Account

Only group Managed Service Accounts on the Domain that have also been installed on the current machine will be presented. If the gMSA_QGrip\$ account is not available in the list, it has not been created correctly. Check Install: Prepare Infra

9.6 Initial Configuration

After 'Setup: QGrip Database Initial', QGrip needs to be initially configured. Start the QGrip.exe downloaded in the last step. The executable requires the QGrip.ini to be in the same directory. The Initial configuration of QGrip should be done with the account used during the Setup.

To perform the initial configuration, use:

Doc-Tab	Title
Install	Initial Configuration



10 Setup: QGrip Database Upgrade



If there is a new release of QGrip that you need to install, you should follow the steps in this section. For this install, choose <u>one</u> QGrip Server in <u>the first domain</u>. That is the domain where the QGrip database is running.

The Upgrade will only update the QGrip database and should only be executed once. If needed, all existing QGrip Servers will automatically update their own software from the QGrip database.

During the Upgrade, QGrip will be put in Maintenance Mode, users connected via the QGrip-UI will be logged out and a backup will be made of the QGrip database.

10.1 Download: Latest version QGrip Software



The latest version of QGrip is a zip-file that can be downloaded from our website or it will be sent to you via a download link.

10.2 Run: Pre-Setup

The Pre-Setup will prepare the QGrip directory on the QGrip Server and organise new releases. Perform the Pre-Setup with the downloaded file QGrip-PreSetup.x.y.zz.zip.

For a detailed description, see appendix:

• 18.2 Pre-Setup on QGrip Server

10.3 Run: Setup



Grip Directory				GGrip Database Versi	ion		
Directory E:\QGrip				Current 1.0.00	Available No	ne	
			Accept	Possible Actions			
Grip Database / Host			1.	Grip Database			
Host ATSTSQL22L	1,1460			Prepare	u .4.		
Database QGrip_P				QGrip Server			_
		Change	Accept	Install	Uninstall		
Grip System Account			2.	QGrip License			_
Account GOS-A\TS	_gMSA_QGrip\$			Update	1		
QGrip Login GOS-A\TS	_gMSA_QGrip\$			Grip Downloads			_
		Change	Accept	QGrip.exe	•	Download	
			3.				
				- COL ALSS			
				Guilden Additional			
				QGrip-Admin	Pwd-Reset.	. Fix-Hacked	-1
				QGrip-Admin	Pwd-Reset.	. Fix-Hacked	
				QGrip-Admin	Pwd-Reset	. Fix-Hacked	
		I		QGrip-Admin	Pwd-Reset.	. Fix-Hacked	
		l		QGrip-Admin	Pwd-Reset.	. Fix-Hacked	
				QGrip-Admin	Pwd-Reset.	Fix-Hacket	Exit
				Grip-Admin	Pwd-Reset.	Fix-Hacket	Exit
		- 6116		Grip-Admin	Pød-Reset	. Fix-Hacked	Exit
yrade QGrip Datab	ase to version	c 0.1.16		Grip Admin	Pwd-Reset.	Restart	Evit
grade QGrip Datab	ase to version	: 0.1.16		QGrip-Admin	Pwd-Reset	FoxHacked	Ext
grade QGrip Datab urrent Version [ase to version	: 0.1.16		Grip-Admin	Pwd-Reset	Restart	Exit
grade QGrip Datab urrent Version vailable Version	asé to version) 1.15) 1.16	: 0.1.16		QGrip-Admin	Pad-Reset.	Restart	Ext
grade QGrip Datab urrent Version vailable Version eedback	ase to version 11.15 11.16	: 0.1.16		QGrip-Admin	Pad-Reset.	Restart	Ext
grade QGrip Datab urrent Version vailable Version eedback	ase to version) 1.15) 1.16	: 0.1.16		Grip Advisored	Pad-Reset.	Restart 0	Бй
grade QGrip Datab urrent Version vailable Version eedback	ase to version) 1.15) 1.16	: 0.1.16		Grip Admin	Pad-Reset	Restart	Би

4. Press Upgrade and confirm action. Window will be disabled until finished.

If, for some reason, the Upgrade fails with an error message, you will need to revert back to the prior version, see appendix:

• 18.3 Upgrade Failed: QGrip Database



11 Setup: QGrip Server (Install/UnInstall)



Use this section to install/uninstall a QGrip Server in First and Secondary domain.

11.1 Create: QGrip Directory

D:\QGrip

- Setup.exe
- Setup.ico

• QGrip.ini

If it is the first time the QGrip Server is used, do the following:

1. Create a QGrip directory on the QGrip Server.

- 2. Copy the following files from an existing QGrip Server to the QGrip directory:
 - Setup.exe
 - Setup.ico
 - QGrip.ini
- 3. Verify that the QGrip Server has been prepared as described in
 - Install: Prepare Infra

11.2 Untrusted Secondary Domain

BHost	VMSQL1201\PRD.1460					
Database	QGrip					
Login	QGripSQLInstall					
Password	000000000					

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This Popup will be shown if you have started the Setup on a QGrip Server in a Secondary AD-Domain that is not trusted by the First AD-Domain (where the QGrip Database is running).

You will not be able to connect to the QGrip database using your own AD account. You will need to create and use the temporary QGripSQLInstall account, see appendix:

• 18.4 Create: QGripSQLInstall

When account has been created, enter the password to continue.

11.3 Run: Setup

2Grip Directory	QGrip Database Version
Directory E:\QGrip	Current 1.0.00 Available None
Accept	Possible Actions
QGrip Database / Host	QGrip Database
Host ATSTSQL22L1,1460	Prepare Upgrade
Database QGrip_P	QGrip Server
Change Accept	Install
2Grip System Account	QGrip License
Account GOS-A\TST_gMSA_QGrip\$	Update
QGrip Login GOS-A\TST_gMSA_QGrip\$	- OGrin Dramitanda
Change Accept	QGrip.exe Download
3. 4.	
	Granp Additional
	QGrip-Admin Pwd-Reset Fix-Hacked
	QGrip-AdminPwd-ResetFix-Hacked

QGrip System Account	Set QGrip System Account
Account QGrip Login Change Accept	Domain AD Account (gMSA) QGrip_gMSA\$
Change	OK Cancel

3. Select QGrip System Account. This is only needed on first QGrip Server within the Domain.

Install QGrip Server Processes	10 🗸			
	10 20			^
		\rightarrow	Install	Close

5a. Install: Choose number of Processes and press Install and follow instructions. Window will be disabled until finished.



UnInstall QGripServer: VMSS01		
UnInstall		
		~
	Uninstall	Close

5b. UnInstall: Press UnInstall and confirm action. Window will be disabled until finished.

Possible problems:

2. Connect to QGrip Database Fails

Only on Secondary Domain!

Host VMSQL1201\PRD,1460 Instance/Listener 10.10.10.101	
Database OGrip Port 1460 -	
	 ↓
Change Accept Database	Get-Databases

If the QGrip Database Host Name is not known on the Secondary domain, you can use the IP Address instead. This action will update the QGrip.ini.

The updated QGrip.ini containing the IP Address should be used on all QGrip Servers within that domain.

3. Select QGrip System Account

Only group Managed Service Accounts on the Domain that have also been installed on the current machine will be presented. If the gMSA_QGrip\$ account is not available in the list, it has not been created correctly. Check Install: Prepare Infra



12 Setup: QGrip License



This section should only be used to enter a new License key or to lookup the current License key that is needed for License key renewal. Update License Key can only be done from the Setup.

12.1 Run: Setup

Install/Configure QGrip on ATSTQS01, Domain GOS-A	
Grip Directory	QGrip Database Version
Directory E:\QGrip	Current 1.0.00 Available None
Accest	- Receible Antique
	CGrip Database
QGrip Database / Host	Turning In The I
Host ATSTSQL22L1.1460	Prepare Upgrade
Database QGrip_P	QGrip Server
Change Accept	Install Uninstall
QGrip System Account 2.	QGrip License
Account GOS-A\TST_gMSA_QGrp\$	u <mark>de</mark>
QGrip Login GOS-A\TST_gMSA_QGrip\$	
Change Accept	QGrip Downloads
2	QGrip.exe Download
э.	QGrip Additional
	OGrin-Admin, Ped-Reset, Fix-Hacked
	Restart Exit

Current Key	07701-20123-23	3688-01153	3-64103-066	32	Сору
License Type	Production				
Expires	2021-08-19				
License Level	1 · (5x5)				
Max Instances	5	Used	5	T.	
Max Users	5	Used	2		
New Key	10012-21134-34	4799-12264	4-75204-177	42	-

4. Update License Key

If you already have a new License key, paste it into the New Key field and press save key.

For License Key renewal, the Current Key needs to be sent to Grip on SQL BV in order to generate the new Production key. Use the Copy button to Copy it. When you have received the new Production key, go back here to enter it.

Note:

) Grin I II	1111	1 11 11	Remote	lobs	1111 11	11
Database	111	1.11.11	SQL Inst	taller	1111.11	.11
icense Inf	iormal	lion				
icense Ke	еу	07701-201	23-23688-0	01153	-64103-06	632
		procession and and			promotion to the second	
icense Ty	/pe	Production	n Exp	bires	2021-08-	19
.icense Ty .icense Le	/pe avel	Production	n Exp	bires	2021-08-	19
license Ty license Le Max Instar	/pe evel nces	Production 1 - (5x5) 5	n Exp Use	oires ed	2021-08-	-

The Current License Key can also be found in the QGrip-UI, Help -> About QGrip, where It can be selected and copied.



13 Setup: Downloads



This section should only be used for download of executables or the complementary Monitor-Mail zip-file from the QGrip database:

- QGrip.exe
- QGrip-SQL-Installer.exe
- QGrip-Monitor-Mail.zip (See Plugins: External Monitoring & Mail Backup Report)

It is possible to download from a QGrip Server in a Secondary domain but you might need to create the temporary QGrip-Login [QGripSQLInstall] first.

To run downloaded executables, only the QGrip.ini is needed in the same directory as the executable. The executables will detect if another version needs to be downloaded from the database which makes it really easy to manage as it can be done by the users themselves without Administrator interference.

13.1 Run: Setup

lirectory E	E:\QGrip	-		Current 1.0.00 Available None
			Accept	Possible Actions
Grip Databa	ase / Host		1.	- QGrip Database
lost	ATSTSQL22L1,1460			Prepare Upgrade
atabase [QGrip_P			QGrip Server
		Change	Accept	Install Uninstall
Grip Syster	m Account		2.	QGrip License
ccount	GOS-A\TST_gMSA_QGrp\$			Update
Grip Login	GOS-A\TST_gMSA_QGrp\$			
		Change	Accept	OGrip.exe Dodagd
			3.	- QGrip Additional
				QGrie-Admin_ Pwd-Reset_ Fix-Hacked

4. Choose the file you want to download and press [Download].



14 Setup: QGrip-Admin



This section should only be used if the 'last' QGrip-Admin has accidentally been removed. The current AD User will be added as QGrip-Admin in QGrip.

The current AD user must be SYSADMIN on the QGrip Database host.

14.1 Run: Setup

:\QGrip			Current 1.0.00	Available None	
	4	ccept	Possible Actions		
se / Host		1.	Grip Database		
TSTSQL22L1,1460			Prepare	Upgrade	
Grip_P			QGrip Server		
	Change	Accept	Install	Uninstall	
n Account		2.	QGrip License		
GOS-A\TST_gMSA_QGrp\$		_	Update		
GOS-A\TST_gMSA_QGrip\$			QGrip Downloads		
	Change /	2	QGrip.exe	Download	
		5.	- QGrip Additional -		
			QG4 Admin	Pwd-Reset Fix-Hack	ced
	se / Host TSTSQL22L1,1460 Grip_P Account GOS-A\TST_gMSA_QGrips GOS-A\TST_gMSA_QGrips	se / Host TSTSQL22L1,1460 Grp_P Change / Account GOS-A\TST_gMSA_QGrpS GOS-A\TST_gMSA_QGrpS Change /	se / Host TSTSQL22L1,1460 Grp_P ChangeAccept GOS-A\TST_gMSA_QGrps GOS-A\TST_gMSA_QGrps ChangeAccept 3.	Accept se / Host TSTSQL22L1.1460 Grip_P Change Accept GOS-A\TST_gMSA_QGrip5 GOS-A\TST_gMSA_QGrip5 Change Accept QGrip Downloads QGrip Downloads QGrip Downloads QGrip Accept QGrip Ac	Accept se / Host TSTSQL22L1,1460 Grip_P Change Accept GOS-A\TST_gMSA_QGrips GOS-A\TST_gMSA_QGrips Change Accept 3. Change Accept QGrip Downloads QGrip Downloads QGrip Downloads QGrip Additional QGrip A

4. Press [QGrip-Admin].





Enter the Master Password generated and saved during the first install.

Note:

If the current AD user already is QGrip-Admin, the button will remain disabled.



15 Setup: Password Reset



Use this section if the periodic Password change failed for some reason. This can only happen on QGrip Servers that are running in a Secondary domain and a SQL Server account is used for the communication with the database.

The current AD user must be SYSADMIN on the QGrip Database host.

15.1 Run: Setup

a Grip Dire	ctory			Grip Database Versio	0		
Directory	E:\QGrip			Current 1.0.00	Available None		
			Accept	Possible Actions			1
Grin Data	hase / Host		1.	Grip Database			
Host	10.10.30.63.1460			Prepare	Upgrade		
Database	QGrip_P			GGrip Server			
	,	Change	Accept	Install	Uninstall		
Grip Syst	tem Account		2.	QGrip License]	
Account	GOS-B\TST_gMSA_QGrp\$			Update			
QGrip Log	in QGripMSA_BTSTQS01			QGrip Downloads			
		Change	Accept	QGrip.exe	•	Download	
			э.	QGrip Additional			
				QGrip-Admin	Profeset	Fix-Hacked	

4. Press [Pwd-Reset]. Button will only be Enabled if the QGrip Login is a SQL Server Account.





16 Setup: Fix-Hacked



QGrip is monitoring tables with content that should only be changed using the QGrip Setup/UI. If there has been a change to the content, warnings will appear that the System might have been hacked. You can try to correct the problem by using the [Fix-Hacked] button in the Setup.

The current AD user must be SYSADMIN on the QGrip Database host and QGrip-Admin in QGrip.

16.1 Run: Setup

Install/Configure QGrip on ATSTQ501, Domain G	DS-A
Grip Directory	QGrip Database Version Current 1.0.00 Available None
QGrip Database / Host	Accept QGrip Database QGrip Database
Host ATSTSQL22L1.1460	Prepare Upgrade
Database QGrip_P	Change Accept Install Uninstall
QGrip System Account	-QGrip License
Account GOS-A\TST_gMSA_QGrip\$	Update
QGrip Login GOS-A\TST_gMSA_QGrp\$	ChangeAccept OGrip Downloads Download
	Grip-Adrisonal QGrip-Adrisonal Pwd-Reset. FixAcked.
	Restart Exit

If the problem cannot be solved from the setup, you will need obtain a 'Fix-Hacked' release that will replace the content of the hacked tables.

Release (Normal)	Release (Fix-Hacked)
1.0.00	1.0.01-1.0.09
1.0.10	1.0.11-1.0.19

For each 'normal' release x.y.z0, there are 9 Fix-Hacked releases x.y.z1 – x.y.z9

^{4.} Press [Fix-Hacked], the Button will only be Enabled if the system has possibly been Hacked.



17 Distribute QGrip-UI (the clients)

17.1 Option 1, share



The <QGrip-Users-Group> should have been added as QGrip login during the Initial Configuration.

QGrip UI	
Name	
QGrip.exe	
Di QGrip.ini	

Download the QGrip.exe file using the Setup on one of the QGrip Servers. Place the QGrip.exe file together with the QGrip.ini file on the Grip-UI directory/share.



If not done during the Prepare Infra step, in the profile of the members of <QGrip-Users-Group>, add a shortcut with the following properties:

🗊 QGrip-UI Prop	verties ×
General Shortcut	Compatibility Security Details Previous Versions
9 ac	Srip-UI
Target type:	Application
Target location:	QGrip UI
Target	E:\Apps\QGrip U\QGrip.exe"
Start in:	E:\Apps\QGrip UI'

It is important that the "Start in:" property is equal to the "Target:" directory otherwise the QGrip.ini file will not be found.

The QGrip.exe can work also without the QGrip.ini by adding arguments to the target in a shortcut.

Gene	al Shortcut	Compatibility	Security	Details	Previous Ve	rsions	
C	00	irip-Ul					
	4						
Tar	et type:	Application					
Tar	et location:	QGrip UI	-			_	
Tar	et	E:\QGrip UI\Q	Grip.exe" <	DBHostP	ort> <databa< td=""><td>se></td><td></td></databa<>	se>	

The first argument is the DBHostPort and the second the Database, separated by spaces. Both values can be found in the QGrip.ini

17.2 Option 2, local



OGRIP

Distribute the QGrip.exe together with the QGrip.ini the users and let them place the files local.

	QGrip UI Version incompliant
-	Needed Version : 1111.11.11
?	Used Version : 1111.11.12
	Download latest version now?

This option is almost easier as the users can download the latest version in case there is a new version of the Grip-UI after an Upgrade.



18 Appendix

18.1 Initial Restore: QGrip Database

Initially, during Setup: QGrip Database Initial, you will need to Restore the backup file 'QGrip_x.y.zz-FULL.bak' file manually on the QGrip Database server. You should avoid version number in the database name. The scripts below are suggestions and should be adjusted to comply with your own standards.

This should only be done during the 'Setup: QGrip Database Initial', otherwise you will lose existing data!

Parameter	Description	Example
{LOADPATH}	Path to directory or Share	\\VMSS01\3-Releases
{DATAPATH}	Path to Default Data Directory	F:\MSSQL2016
{LOGPATH}	Path to Default Log Directory	G:\MSSQL2016
{QGRIPVERSION}	The version of the downloaded file	0.5.01
{COMPLEVEL}	The compatibility level of your host	130

18.1.1 Restore: Stand-Alone Instance

```
EXECUTE AS Login=SUSER NAME(1)
GO
CREATE DATABASE [QGrip]
GO
RESTORE DATABASE [QGrip]
FROM DISK = N'{LOADPATH}\QGrip {QGRIPVERSION}-FULL.bak'
WITH FILE = 1
, MOVE N'QGrip' TO N'{DATAPATH}\QGrip.mdf'
, MOVE N'QGrip log' TO N'{LOGPATH}\QGrip log.ldf'
, NORECOVERY, REPLACE, STATS = 10
GO
RESTORE DATABASE [QGrip] WITH RECOVERY
ALTER DATABASE [QGrip] SET MULTI USER
GO
ALTER DATABASE [QGrip] SET COMPATIBILITY LEVEL = {COMPLEVEL}
GO
```

18.1.2 Restore: AlwaysOn Cluster

```
Run on all Replicas
```

```
EXECUTE AS Login=SUSER_NAME(1)

GO

CREATE DATABASE [QGrip]

GO

RESTORE DATABASE [QGrip]

FROM DISK = N'{LOADPATH}\QGrip_{QGRIPVERSION}-FULL.bak'

WITH FILE = 1

, MOVE N'QGrip' TO N'{DATAPATH}\QGrip.mdf'

, MOVE N'QGrip log' TO N'{LOGPATH}\QGrip_log.ldf'
```



, NORECOVERY, REPLACE, STATS = 10 GO

Run on Primary Replica

```
EXECUTE AS Login=SUSER_NAME(1)

GO

RESTORE DATABASE [QGrip] WITH RECOVERY

ALTER DATABASE [QGrip] SET MULTI_USER

GO

ALTER DATABASE [QGrip] SET COMPATIBILITY_LEVEL = {COMPLEVEL}

GO
```

Add database to an existing Availability Group using SSMS on primary replica. At "Select your database synchronization preference" choose

• Join only



18.2 Pre-Setup on QGrip Server



The Pre-Setup prepares the QGrip directory for Setup(installation).

Temp > 🗲	∨ Ŭ Se	ea
Name	Date modified	
QGrip-PreSetup-0.1.16.zip	Open Open in new window	
	Extract All +	

Copy the QGrip-PreSetup-x.y.z.zip file to a Temporary directory on the QGrip Server and extract the zip file in the same directory.

QGrip-PreSetup-0.1.16 >	- ~ Ū	Search QGrip-PreSet	tup-0.1
Name		Date modified	Ту
 PreSetup.exe PreSetup.ico QGrip-0.1.01.zip 	• Open • Run as a	administrator	•

Run the PreSetup.exe in the temporary directory as Administrator.



QGrip Directory	Av	ailable QGrip Versions	
Directory E:\QGrip	Change Accept	Version	-
Pre-Setun I on	1. 2.	QGrip-0.1.04.zip	
		QGrip-0.1.05.zip	
QGrip-0.1.10.zip	^	QGrip-0.1.06.zip	
QGrip-0.1.11.zip QGrip-0.1.12 zin		OGrip-0 1 07 zip	
QGrip-0.1.13.zip	-	OCrip-0.1.09 zip	
QGrip-0.1.14.zip	-	QGilp-0.1.00.2ip	
QGrip-0.1.15.zip		QGrip-0.1.09.zip	
QGrip-0.1.16.zip		QGrip-0.1.10.zip	
Accented: F:\OGrip		QGrip-0.1.11.zip	
accepter of going		QGrip-0.1.12.zip	
Pre-Setup Restarted		QGrip-0.1.13.zip	
Accepted: FiloGrin		QGrip-0.1.14.zip	
Accepted. D. Worrp		QGrip-0 1.15 zip	
		OGrip-0 1 16 zip	-
1			
	Due Pre-Setue	Poctart	Evit

1. Select the QGrip directory. If QGrip is already installed, select the <u>existing</u> QGrip directory.

2. Accept the QGrip Directory. This will enable the [Run Pre-Setup] button.

3. Run the Pre-Setup. You will need to confirm the action before it starts.

When exiting the Pre-Setup, you will be asked if you want to save the logfile.



18.3 Upgrade Failed: QGrip Database

In the unlikely event that the Upgrade of the QGrip Database fails, you will need to restore the prior version as soon as possible to prevent continuity problems. During the Setup/Upgrade, QGrip has made a backup of its own database and prepared a script to restore this backup again. The script can be found in the following file in the LogFiles directory on the QGrip server where the setup was started:

• yyyymmdd_hhmmss_Setup_<QGripServerName>.log Make sure you select the most recent file contain the log of the Database Upgrade.

```
* Script for Uninstall - Begin
USE [master]
GO
ALTER DATABASE [QGrip] SET SINGLE USER WITH ROLLBACK IMMEDIATE
GO
EXECUTE AS Login='sa'
GO
RESTORE DATABASE [QGrip] FROM DISK =
N'\\VMSSWS2016\Backup003\VMSQL2016$PRD\QGrip\VMSQL2016$PRD QGrip 2
0210423 111006 FULL.bak' WITH FILE = 1, NORECOVERY, REPLACE,
STATS = 10
GO
RESTORE DATABASE [QGrip] WITH RECOVERY
GO
ALTER DATABASE [QGrip] SET MULTI USER
GO
USE [QGrip]
GO
EXEC [RemoteJob].[UspUpgradeBackupRestored]
     @UpgradeBackupQueueID = 14
   , @BMJobQueueID
                     = 12456
   , @BMDatabaseJobHistoryID = 32514
   , @FileSizeMB
                      = 87
                     = 36
   , @MaintenanceModeID
GO
* IMPORTANT!
* After the statements above have been executed,
* you must request a DBBackup (FULL)
* of the [QGrip] database in the QGrip-UI!
* IMPORTANT!
* Script for Uninstall - End
```

This script will not be available if it is the very first time you install QGrip. In that case no backup has been made.

18.4 Create: QGripSQLInstall

BHost	VMSQL1201\PRD.1460		
atabase	QGrip		
.ogin	QGrip SQLInstall		
assword	00000000		

If you have started the Setup on a QGrip Server in a Secondary AD-Domain that is not trusted by the First AD-Domain (where the QGrip Database is running), you will not be able to connect to the QGrip database using your own AD account. You will need to create the temporary QGripSQLInstall account. When you have finished the install/uninstall, remove the login as soon as possible. QGrip will remind you with a Warning as long as the account has not been removed.

QGrip-UI:

Required QGrip Role	Menu
QGrip Admin	Admin -> Access to QGrip -> QGrip Logins
	Tab: QGripSQLInstall

Press [New], choose Password Length and Press [Save].

Use [Refresh] button to see when account has been created.

18.4.1 Find Password: QGripSQLInstall

QGrip-UI:

Required QGrip Role	Menu
QGrip Admin	Application -> Password Safe

Locate and select the Account under

Applications->QGrip->QGripSQLInstall

Passwords	
P Applica	ations
😐 📕 AE	OS
🗄 📕 Me	ssy
🕀 📕 Pus	shy
🖻 📕 QG	rip
	Acceptance
ė…∢	Production
Đ.	A QGripExportUser
	Sector Contraction Contraction

Press [Edit] and then [Copy].

Account Name	QGripSQLInstall		
Password	9AB9f91>IC2ANe55	Hide	Сору