



**Install Road Map
Implementation Aid-Kit**

GRIP ON SQL

2024-04-09

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1 Introduction

The purpose of the Install Road Map is to help and guide you when implementing QGrip. It will force you to make some decisions in advance which will speed up the actual implementation of QGrip.

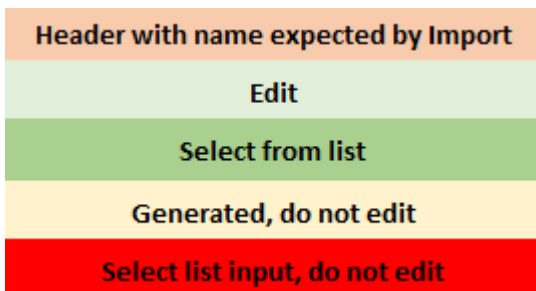


The following 3 documents will be produced and will describe your QGrip environment:

- 10-QGrip Overview
- 20-QGrip Infra - Requests
- 30-QGrip Config & Standards

Keeping these documents up-to-date is recommended and will help you to easily find and provide information whenever needed.

The second document, 20-QGrip Infra - Requests, is a combination of description and request. Use it to initially request new QGrip components within your organisation and when delivered, fill in server names, IP Addresses etc. to keep the document complete.

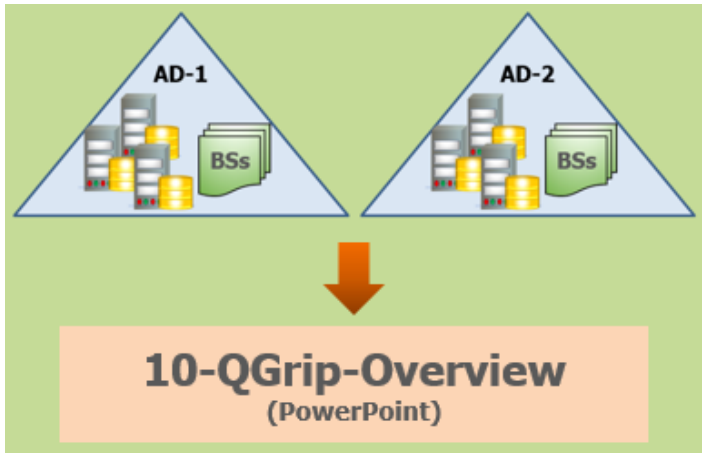


The cells in the excel sheets in the implementation Aid-Kit are coloured to indicate how they should be used. Some information is generated based on the entered data.

If you at some point get stuck, need advice or more information, or you would prefer us to help you with the Implementation, please contact us by email, WhatsApp or give us a call! Contact information can be found on our website:

- www.griponsql.org

2 10-QGrip-Overview



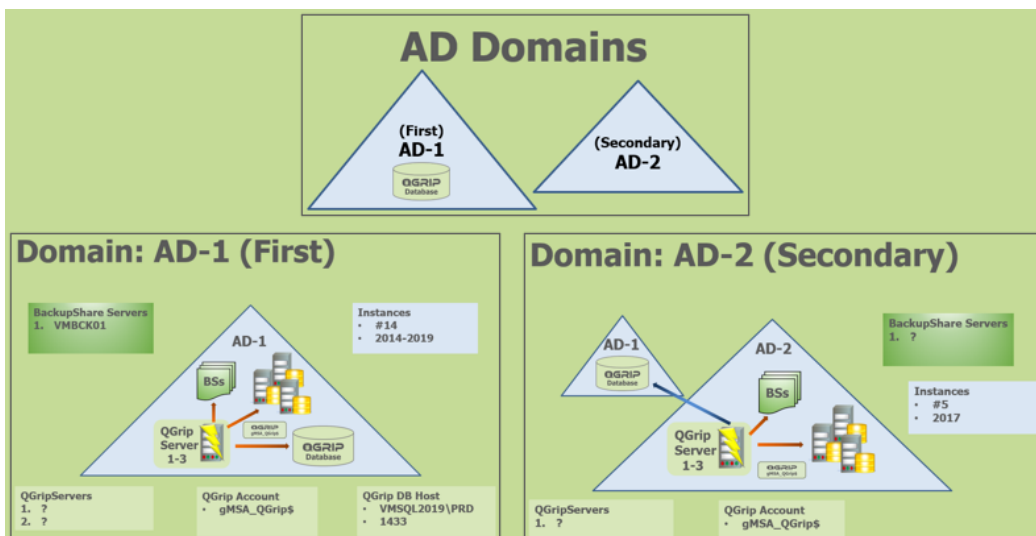
10-QGrip-Overview.pptx is a PowerPoint to easily produce overviews of your QGrip components. Fill in the AD-Domains where SQL Server Instances are running. Determine in which AD-Domain the QGrip database will be running (and on which Instance/Listener if already known). Complete the 'First Domain' overview and make a copy of the 'Secondary Domain' overview for each secondary domain and complete these as well.

Recommended documentation

Doc-Tab	Title
Intro	QGrip Introduction
Intro	Design & Architecture
Intro	Multiple Domain Configuration

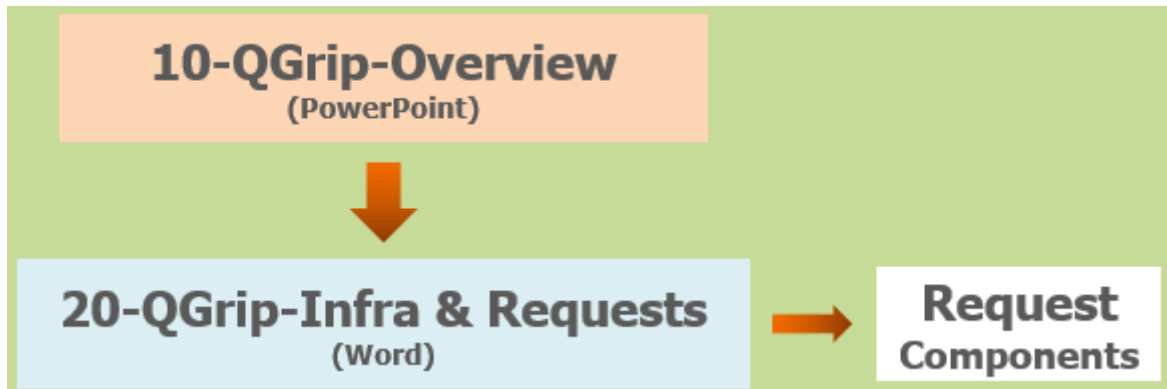
QGrip Database, DB Host and Authentication Mode

Doc-Tab	Title
Intro	Multiple Domain Configuration
Install	Move QGrip Database
Plugins	External Monitoring
Plugins	Export CMDB

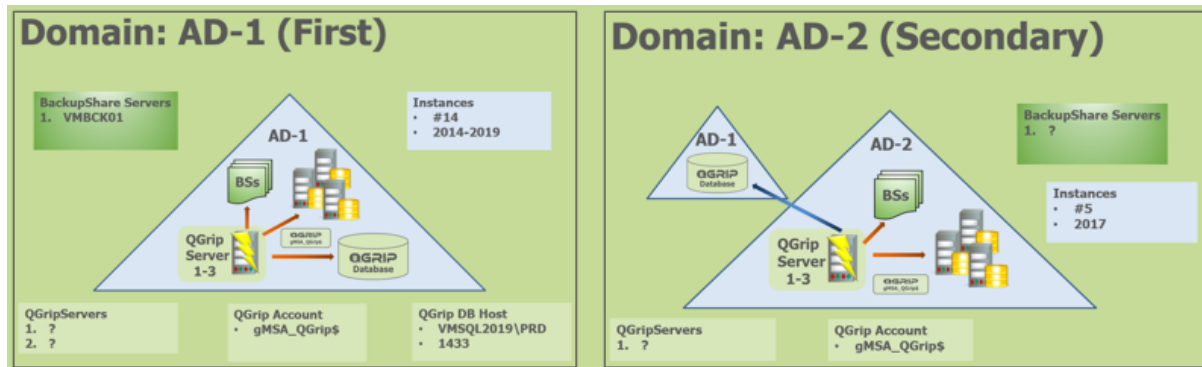


Example Output.

3 20-QGrip Infra-Requests



Use the outcome of the '10-QGrip-Overview' as input for '20-QGrip-Infra & Requests.docx'.



Copy and paste the domain overviews in the document to make it easy to read.

Section 3 is for the First (QGrip Database) AD-Domain.

Section 4 should be repeated for each secondary AD-Domain.

The subsection 'QGrip Server #1 (repeat for #2, #3)' should be repeated for each QGrip Server with the AD-Domain.

Section X, File Transfer Method, is only needed in a Multiple Domain Configuration.

Hand (part of) the document over to the team that can deliver the components together with the following document that contains instructions on how to create the components:

- Install: Prepare Infra

Recommended documentation

Doc-Tab	Title
Install	System Requirements
	Prepare Infra
Infra	QGrip Server
	Backup Share

4 30-QGrip-Config & Standards



The '30-QGrip-Config & Standards.docx' document will be used as input during the Initial Configuration of QGrip. It will also serve as a reference of the defined standards.

Delete sections that concerns environments you do not have.

If you have multiple AD Domains, copy and add sections that concerns AD-Domains so you have one section per AD-Domain if their definitions differ.

4.1 Basics (Required)

Complete the following sections in the '30-QGrip-Config & Standards' document:

- Environments
- Clean-up Definitions
- Change ID Mandatory
- Parameters
- (Your) Organisation

Recommended documentation per Section

Config & Standards	Doc-Tab	Title	Section
Environments	QGrip-UI	Admin Menu-Config	Environments
Clean-up Definitions	QGrip-UI	Admin Menu-Config	Clean-up Definitions
Change ID Mandatory	QGrip-UI	Admin Menu-Config	Change ID Mandatory
Parameters	QGrip-UI	Admin Menu-Config	Parameters
(Your) Organisation	Application	Organisation-Unit-Application	

4.2 Schedules (Required)

Complete the following sections in the '30-QGrip-Config & Standards' document:

- Backup Share Names
- Template Schedules
- Clean-up Schedules
- Domain Job Schedules

Recommended documentation per Section

Config & Standards	Doc-Tab	Title	Section
Backup Share Names	Infra	Backup Share	
Template Schedules	Jobs	Schedules	
		Backup & Maintenance Jobs	

Clean-up Schedules	Jobs	Schedules	
		Clean-up Jobs	
Domain Job Schedules	Jobs	Schedules	
		Domain Jobs	

4.3 Access to QGrip (Required)

Complete the following sections in the '30-QGrip-Config & Standards' document:

- QGrip Logins

Recommended documentation per Section

Config & Standards	Doc-Tab	Title	Section
QGrip Logins	Security	Access to QGrip	QGrip Login User Login - Preferred

4.4 Template App Objects (Optional)

Complete the following sections in the '30-QGrip-Config & Standards' document:

- Template Database
- Template Database Roles
- Template Logins

The Template App Objects are not required for the Initial configuration but it is a standard and should be part of the '30-QGrip-Config & Standards' document. Try to set up a standard for your organisation before starting.

Recommended documentation

Doc-Tab	Title	Section
Basics	Database Alias	
	Substitution & Naming conventions	
Application	App Objects	
QGrip-UI	Admin Menu	Template (Naming Conventions)

5 40-Organisation-Unit-Application



Fill the Excel sheet '40-Organisation-Unit-Application.xlsx' with the Applications that are connecting with the SQL Server instances that you are going to add to QGrip. You will need to add their 'Owning' Units and Organisations as well.

The content of '40-Organisation-Unit-Application' needs to be added manually or imported during the Initial configuration of QGrip.

Header with name expected by Import

The column names used in the Excel (coloured as above) is in accordance with the column names the QGrip Import module expects, to facilitate easy import of the items.

Recommended documentation

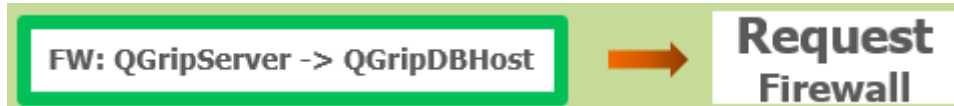
Doc-Tab	Title	Section
Basics	Substitution & Naming conventions	
Application	Organisation-Unit-Application	
Install	Export & Import	Import
QGrip-UI	Application Menu	Organisation-Unit-Application
QGrip-UI	Admin Menu	Import -> Organisation, Units, Applications

6 50-All Domain-Components



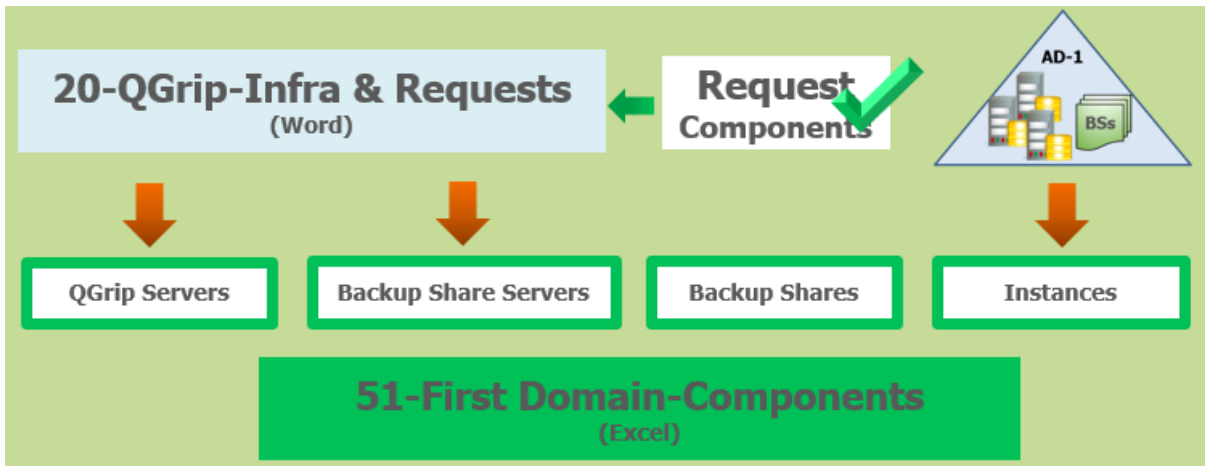
When the Requested Infra components are available, the Excel document '**50-All Domains-Components.xlsx**' can be completed. Fill the sheets with the actual values (they have been prefilled with examples).

Firewalls



Check the connectivity from the QGrip Servers to the QGrip Database DB Host with the statements in the sheet 'FW QGripServer-QGripDBHost' and apply for opening of firewalls if needed.

7 51-First Domain-Components



When the Requested Infra components for the First Domain are available, the Excel document '**51-First Domain-Components.xlsx**' can be completed. Fill the Excel sheets with the actual values (they have been prefilled with examples).

Instances

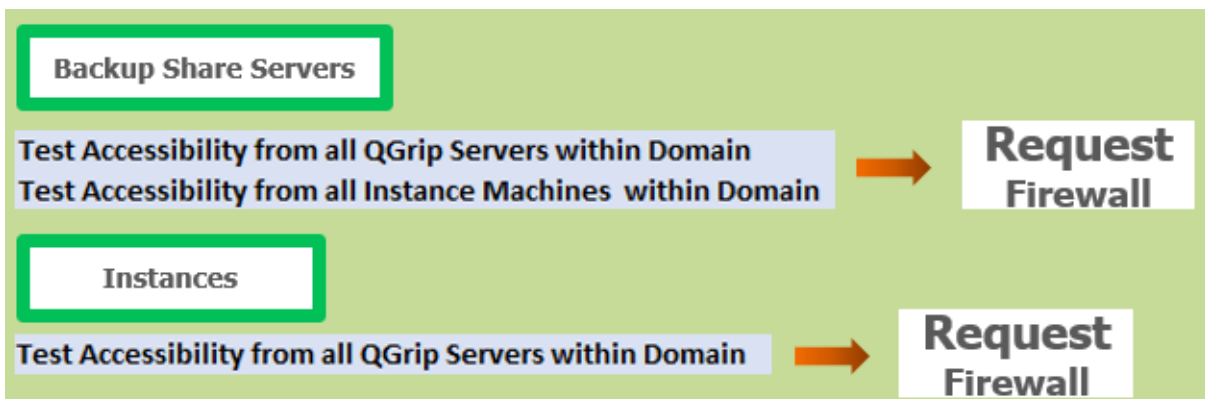
Fill the 'Instances' sheet with all SQL Server Instances within the First Domain. The Column DB-Engine Account is used to produce a list of 'Accounts to Authorise' in the 'Backup Share' sheet. MachineName and IPAddress are used to generate the Test-NetConnection statements for the Firewall check.

Authorise Backup Shares

After the 'Instances' sheet has been filled, the information is complete in the 'Backup Shares' sheet with the accounts that need to be authorised for the Backup Shares. Authorise the accounts for the Backup Shares.

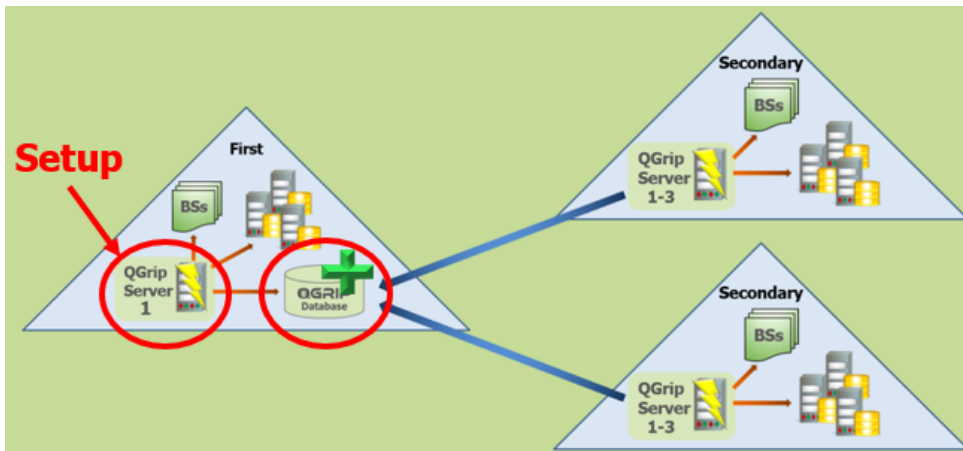
Doc-Tab	Title	Section
Install	Prepare Infra	New: Backup Share

7.1 First Domain: Firewalls



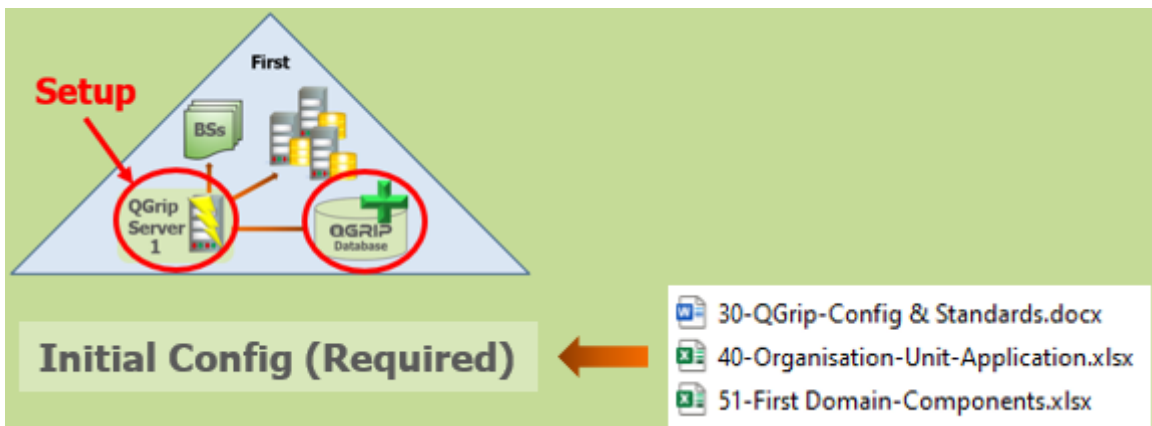
Use the PowerShell statements to check connectivity and use the available information to apply for opening of firewalls if needed.

8 Setup QGrip – First Domain



When there are no firewall issues and the authorisation on the Backup Shares has taken place in the First Domain, QGrip can be Installed.

8.1 First QGrip Server



On the first QGrip Server in the First AD-Domain, run the following setup:

- Setup: QGrip Database Initial

The Setup includes:

- Database Prepare & Upgrade
- Install QGrip server
- Initial configuration

For the Required Initial Configuration, use the information in the following documents:

- 30-QGrip-Config & Standards
- 40-Organisation-Unit-Application
- 51-First Domain-Components

Use the following documents

Doc-Tab	Title	Section
Install	Install QGrip - Setup	Setup: QGrip Database Initial
Install	Initial Configuration	Required Configuration – New First Domain

8.2 Optional Initial Configuration

Initial Config (Optional)



30-QGrip-Config & Standards.docx

From the moment QGrip has been installed on one QGrip Server in the First Domain and the Required Initial Configuration has taken place, it is possible to perform the Optional Initial Configuration. When (and if) you do it, depends on your priorities and on which components in QGrip you want to use.

Use the following documents

Doc-Tab	Title	Section
Install	Initial Configuration	Optional Configuration

8.3 QGrip Servers & Instances

QGrip Server 2-3



51-First Domain-Components.xlsx

Instances



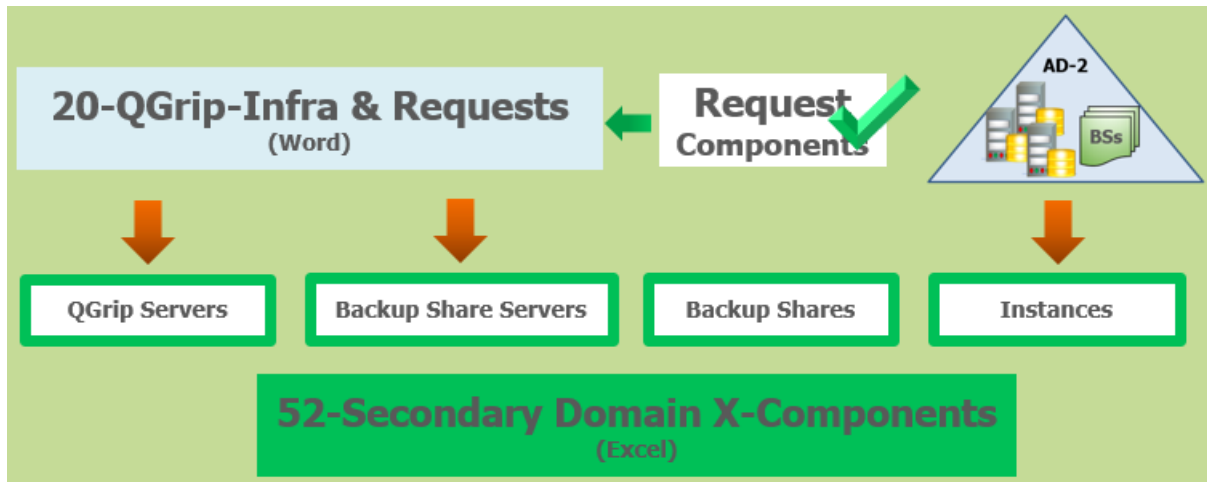
51-First Domain-Components.xlsx

Install additional QGrip Server and the instances in the First Domain.

Use the following documents

Doc-Tab	Title	Section
Install	Install QGrip - Setup	Setup: QGrip Server (Install/UnInstall)
Infra	Add Instance to QGrip	
QGrip UI	Admin Menu	Import -> Instances

9 52-Secondary Domain X-Components



When the Requested Infra components for the Secondary Domain X are available, the Excel document '52-Secondary Domain X-Components.xlsx' can be completed. Fill the Excel sheets with the actual values (they have been prefilled with examples).

Instances

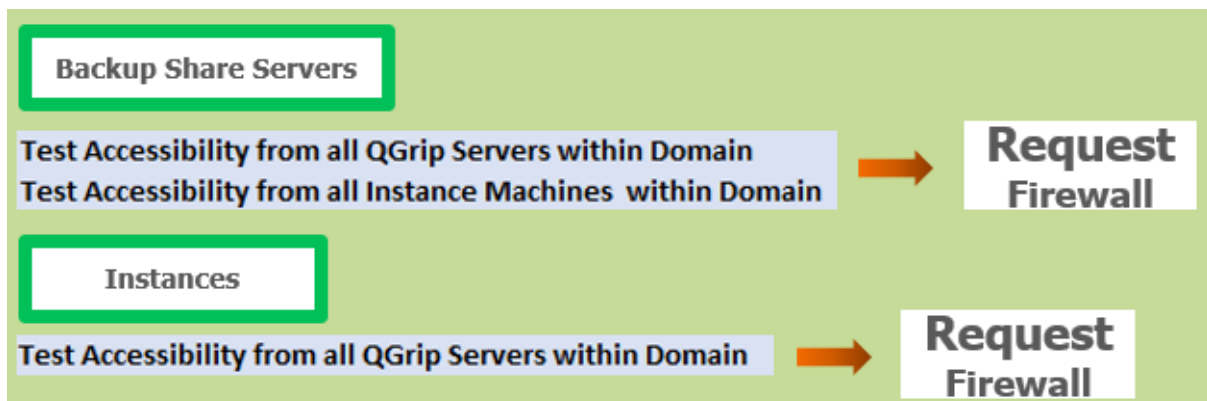
Fill the 'Instances' sheet with all SQL Server Instances within the Secondary Domain X. The Column DB-Engine Account is used to produce a list of 'Accounts to Authorise' in the 'Backup Share' sheet. MachineName and IPAddress are used to generate the Test-NetConnection statements for the Firewall check.

Authorise Backup Shares

After the 'Instances' sheet has been filled, the information is complete in the 'Backup Shares' sheet with the accounts that need to be authorised for the Backup Shares. Authorise the accounts for the Backup Shares.

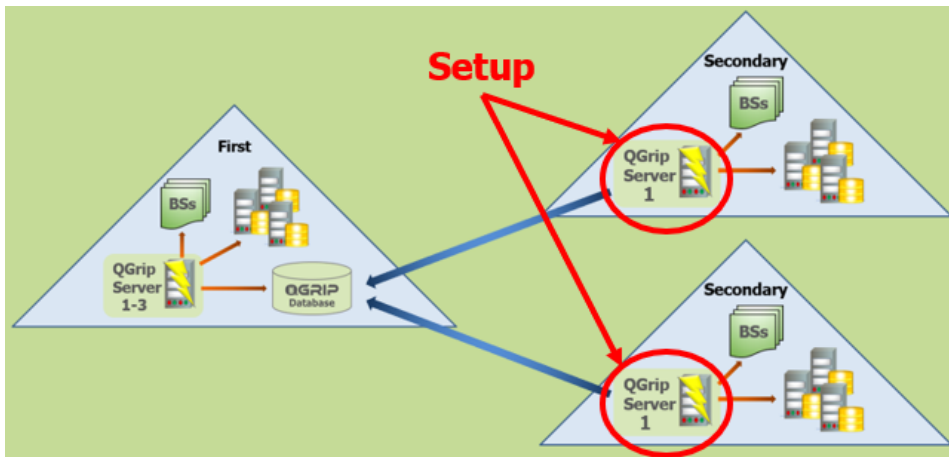
Doc-Tab	Title	Section
Install	Prepare Infra	New: Backup Share

9.1 Secondary Domain X: Firewalls



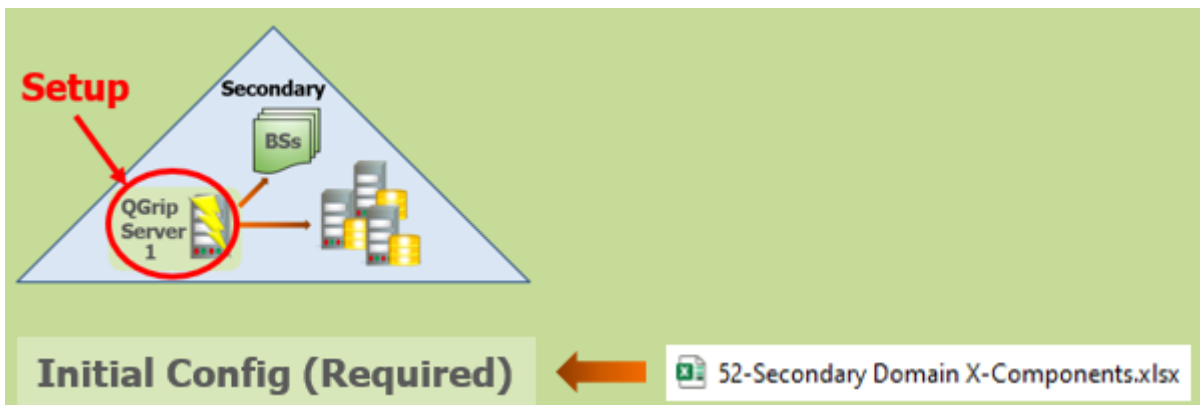
Use the PowerShell statements to check connectivity and use the available information to apply for opening of firewalls if needed.

10 Setup QGrip – Secondary Domain X



When there are no firewall issues and the authorisation on the Backup Shares has taken place in the Secondary Domain X, QGrip can be Installed.

10.1 First QGrip Server



On the first QGrip Server in the Secondary Domain X, run the following setup:

- Setup: QGrip Server (Install/UnInstall)

After the Setup, the Initial configuration for a new Secondary domain must be done. Use the information in the following document:

- 52-Secondary Domain X-Components


Use the following document

Doc-Tab	Title	Section
Install	Install QGrip - Setup	Setup: QGrip Server (Install/UnInstall)
Install	Initial Configuration	Required Configuration – New Secondary Domain

10.2 QGrip Servers & Instances


QGrip Server 2-3



 52-Secondary Domain X-Components.xlsx

Instances



 52-Secondary Domain X-Components.xlsx

Install additional QGrip Server and the instances in the Secondary Domain X,

Use the following documents

Doc-Tab	Title	Section
Install	Install QGrip - Setup	Setup: QGrip Server (Install/UnInstall)
Infra	Add Instance to QGrip	