

QGrip Infra

@

<Organisation>



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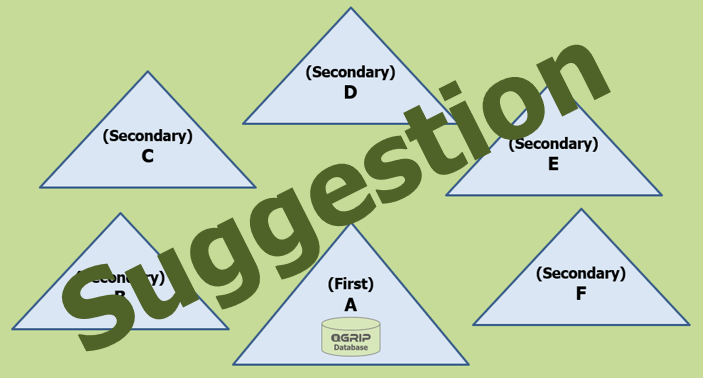
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# Introduction

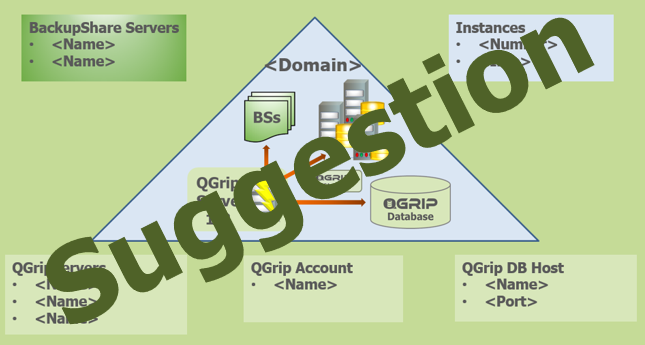
This document contains templates that can be used when requesting components needed for missing objects in a QGrip environment. It can be used when QGrip is initially introduced or when extending existing QGrip configuration with new components.

# QGrip Domain Overview



QGrip Domain Overview

# Components Domain <First-Domain> (First)



Overview components Domain <First-Domain>

## Global Security Group – QGrip Servers

|  |  |  |  |
| --- | --- | --- | --- |
| **Domain** | **Item** | **Requirement** | **Remark** |
| <First-Domain> | GSG\_QGripServers | Global Security Group | Needed for group Managed Service Account |

See: Install: Prepare Infra -> New: AD-Domain

## QGrip Account

|  |  |  |  |
| --- | --- | --- | --- |
| **Domain** | **Item** | **Requirement** | **Remark** |
| <First-Domain> | gMSA\_QGrip$ | group Managed Service Account | To be installed on QGrip Servers |

See: Install: Prepare Infra -> New: AD-Domain

## QGrip Servers

### QGrip Server #1 (repeat for #2, #3)

**QGrip Server:**

|  |  |  |
| --- | --- | --- |
| **Item** | **Requirement** | **Remark** |
| Operating System | Windows Server 2019 (2016) |  |
| Domain | <First-Domain> |  |
| VLAN | <VLAN> |  |
| Server Host | <Server-Host> |  |
| IP Address | <IP Address> |  |
| Memory | 4 GB |  |
| PowerShell | 5.1 or higher |  |
| .NET | 4.0 or higher |  |
| PowerShell Module | PowerShell Active Directory Module |  |
| SQL Server | SQLCmdLine Utils (\*) |  |
| Disk size D drive | Min 5 GB |  |

(\*) Installed by <DBA>

**QGrip Account (gMSA\_QGrip$):**

|  |  |  |
| --- | --- | --- |
| **Item** | **Requirement** | **Remark** |
| QGrip Server | Member of GSG\_QGripServers |  |
| gMSA\_QGrip$ | Install-ADServiceAccount |  |
| gMSA\_QGrip$ | Logon as a batch job |  |

See: Install: Prepare Infra -> New: QGrip Server

## Backup Share Servers

|  |  |  |
| --- | --- | --- |
| **Item** | **Requirement** | **Remark** |
| Operating System | Windows Server 2019 (2016) |  |
| Domain | <First-Domain> |  |
| VLAN | <VLAN> |  |
| Server Host | <Server-Host> |  |
| IP Address | <IP Address> |  |
| Memory | 4 GB |  |
| Disk size <D> Drive | What you need! |  |

See: Install: Prepare Infra -> New: Backup Share

## QGrip Database Host

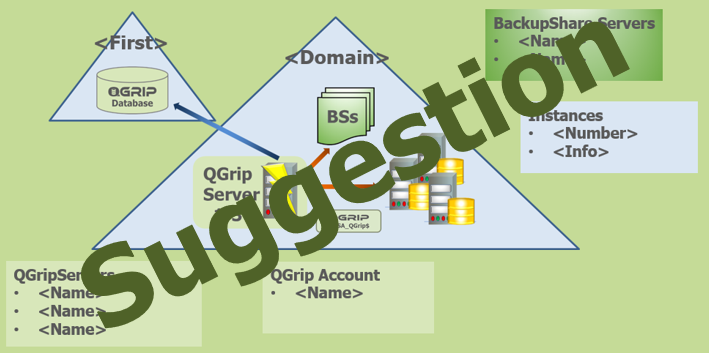
Might not be needed, see Install: Prepare Infra -> QGrip DB Host

|  |  |  |
| --- | --- | --- |
| **Item** | **Requirement** | **Remark** |
| Operating System | Windows Server 2019 (2016) |  |
| Domain | <First-Domain> |  |
| VLAN | <VLAN> |  |
| Server Host | <Server-Host> |  |
| IP Address | <IP Address> |  |
| Memory | 4 GB |  |
| SQL Server | 2019 (2016) | (Installed by SQL DBA) |

Disks (minimum sizes)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Drive** | **Name** | **Size** | **BlockSize** | **Remark** |
| C | System | 50 GB |  |  |
| D | Apps | 50 GB |  |  |
| E | SQL\_Data | 10 GB | 64 KB |  |
| F | SQL\_Log | 10 GB | 64 KB |  |
| G | SQL\_Backup | 10 GB |  |  |
| H | SQL\_TempDB | 10 GB | 64 KB |  |

# Components Domain <Secondary-Domain> (Secondary)



Overview components Domain <Secondary-Domain>

## Global Security Group – QGrip Servers

|  |  |  |  |
| --- | --- | --- | --- |
| **Domain** | **Item** | **Requirement** | **Remark** |
| <Secondary-Domain> | GSG\_QGripServers | Global Security Group | Needed for group Managed Service Account |

See: Install: Prepare Infra -> New: AD-Domain

## QGrip Account

|  |  |  |  |
| --- | --- | --- | --- |
| **Domain** | **Item** | **Requirement** | **Remark** |
| <Secondary-Domain> | gMSA\_QGrip$ | group Managed Service Account | To be installed on QGrip Servers |

See: Install: Prepare Infra -> New: AD-Domain

## QGrip Servers

### QGrip Server #1 (repeat for #2, #3)

**QGrip Server:**

|  |  |  |
| --- | --- | --- |
| **Item** | **Requirement** | **Remark** |
| Operating System | Windows Server 2019 (2016) |  |
| Domain | <Secondary-Domain> |  |
| VLAN | <VLAN> |  |
| Server Host | <Server-Host> |  |
| IP Address | <IP Address> |  |
| Memory | 4 GB |  |
| PowerShell | 5.1 or higher |  |
| .NET | 4.0 or higher |  |
| PowerShell Module | PowerShell Active Directory Module |  |
| SQL Server | SQLCmdLine Utils (\*) |  |
| Disk size D drive | Min 5 GB |  |

(\*) Installed by <DBA>

**QGrip Account (gMSA\_QGrip$):**

|  |  |  |
| --- | --- | --- |
| **Item** | **Requirement** | **Remark** |
| QGrip Server | Member of GSG\_QGripServers |  |
| gMSA\_QGrip$ | Install-ADServiceAccount |  |
| gMSA\_QGrip$ | Logon as a batch job |  |

See: Install: Prepare Infra -> New: QGrip Server

## Backup Share Servers

|  |  |  |
| --- | --- | --- |
| **Item** | **Requirement** | **Remark** |
| Operating System | Windows Server 2019 (2016) |  |
| Domain | <Secondary-Domain> |  |
| VLAN | <VLAN> |  |
| Server Host | <Server-Host> |  |
| IP Address | <IP Address> |  |
| Memory | 4 GB |  |
| Disk size <D> Drive | What you need! |  |

See: Install: Prepare Infra -> New: Backup Share

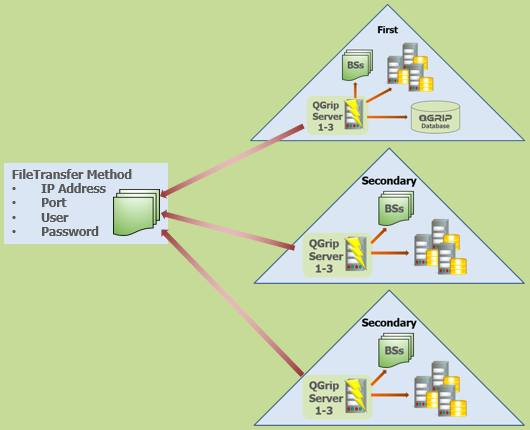
# File Transfer Method

In a Multiple Domain configuration, a File Transfer Method is needed in order to enable database Clones between Domains for the exchange of Backup Files. QGrip should have its own root directory only used by QGrip. The method parameters will be saved in the QGrip Database and accessible to all QGrip Servers. The password will be saved encrypted in the QGrip Database.

Some kind of FTP service that can be used with Basic Authentication (User Name/Password).

Required disk space:

Minimal 120% of largest backup file!



File Transfer Method.

The backup files will be exchanged in multiple steps:

1. Domain A needs files from Domain B.
2. Domain B puts the files on File Transfer.
3. Domain A gets files from File Transfer.

See: Install: Prepare Infra -> New: FileTransfer Method