

QGRIP

Export QGrip CMDB

GRIP ON SOL

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1 Introduction

- **Export QGrip CMDB**
- **Load in Organisation CMDB**
- **Mark load as successful in QGrip**

The content of the QGrip CMDB can be used to update your own Organisation CMDB.

- 1. QGrip UI: Create Export Login**
- 2. Call Stored Procedures in QGrip**

This document describes how the data can be extracted and a definition of the extracted output.

2 Export Login

QGrip Login

- **Export Login**
 - **AD-Group, AD-User, SQL Login**
 - **Export CMDB**

QGrip is prepared for an Export Login. It can be an AD-group (not recommended), AD-User or SQL Login. Make sure that the QGrip Database Host is running in Mixed mode if you want to use SQL Login.

Create using QGrip UI

Admin->Access to QGrip->QGrip Logins

The Export Login should be created using the QGrip-UI.

3 Export QGrip CMDB

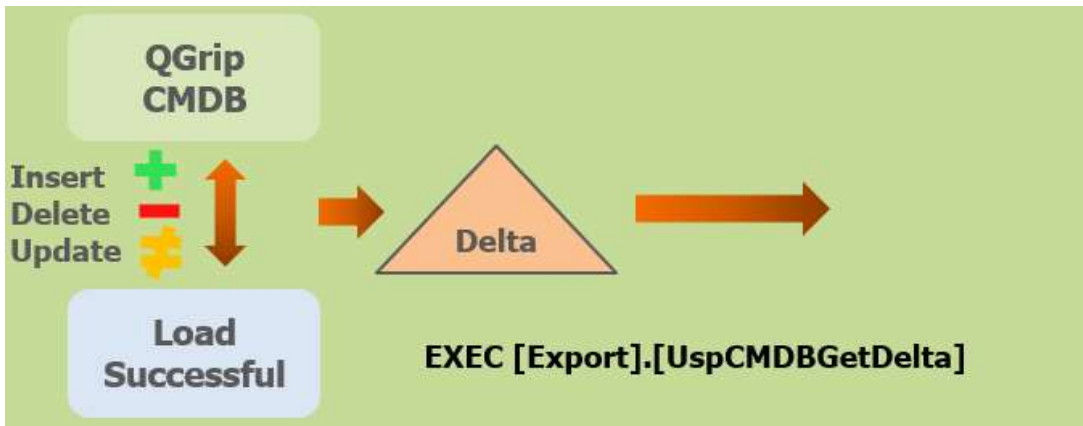
QGrip has a set of stored procedures that can be used to extract the data in the QGrip CMDB to feed your own Organisation CMDB.

- [Export].[UspCMDBGetDelta]
- [Export].[UspCMDBLoadSuccessful]
- [Export].[UspCMDBGetAll]

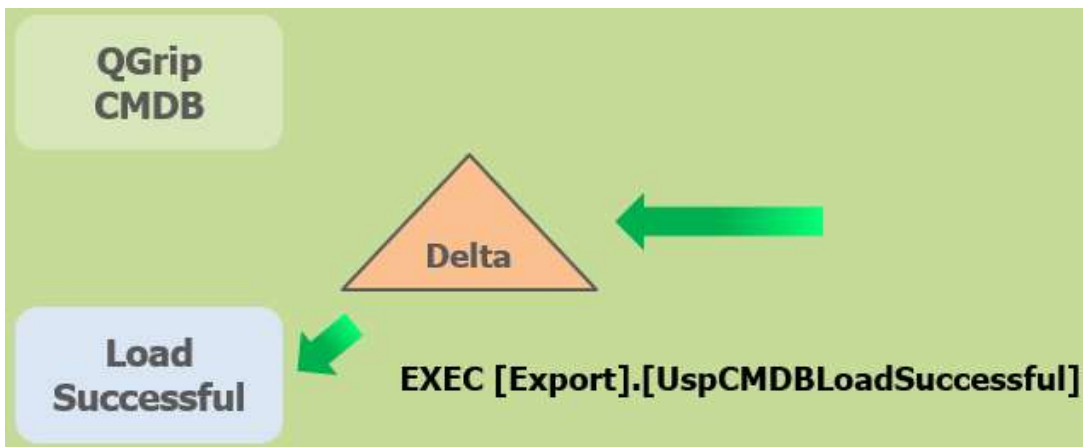
The normal process should be:

1. Call [Export].[UspCMDBGetDelta] to extract data.
2. Import/Process the data in Organisation CMDB.
3. Call [Export].[UspCMDBLoadSuccessful] to let QGrip know that the Import was successful.

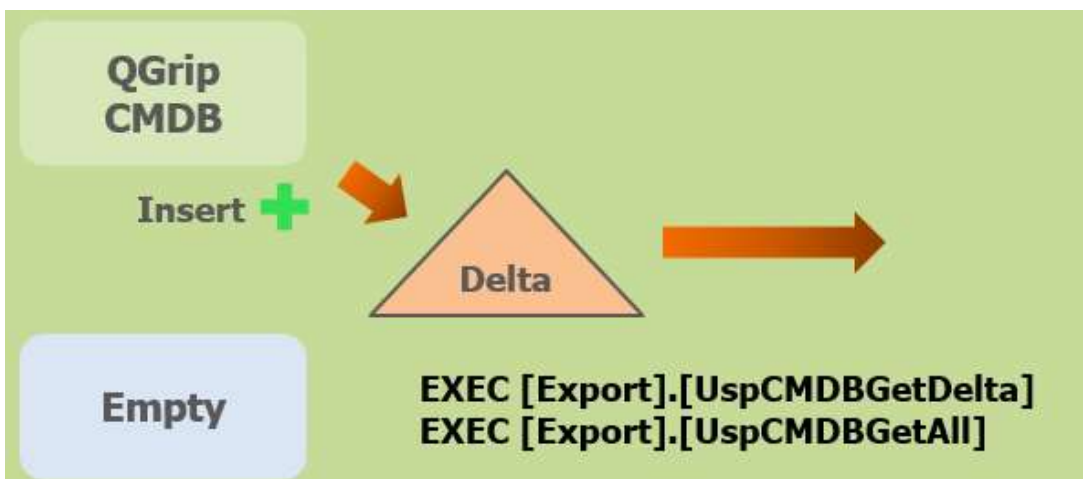
```
EXEC [Export].[UspCMDBGetDelta]
GO
EXEC [Export].[UspCMDBLoadSuccessful]
GO
```



QGrip keeps track of what has already been delivered to the Organisation CMDB and successfully loaded (Load Successful).



After each *successful* Load/Import of data from the QGrip CMDB, you must call the 'LoadSuccessful' procedure. The last Delta will then be added to the 'Load Successful' set.



The first time the 'GetDelta' procedure is called, the 'Load Successful' set will be empty and everything in the QGrip CMDB will be added to the Delta. Later on, you can force QGrip to deliver an initial/full Delta by calling the 'GetAll' procedure. This will reset the 'export chain'.

Database Sizes

QGrip does also keep track of the size of databases. There is a parameter that tells QGrip to ignore database size when determining if the database has changed: @IgnoreSize.

By default, the value is set to 1 (ignore).

If your organisation CMDB supports database sizes and you want this to be a trigger for update, you will need to set this parameter to 0 in your procedure call:

- EXEC [Export].[UspCMDBGetDelta] @IgnoreSize = 0

4 Export Output

Objects that should be linked to an application in QGrip, but are still “UnLinked”, will still be extracted from QGrip. If you want to omit import of these object into the Organisation CMDB, you need to exclude the following in your import code:

Column	Description
ObjectType	Database, Login, AgentJob, Credential, LinkedServer, Proxy
AppID	Empty (NULL)
Application	Empty (NULL)

4.1 Output Objects

- **Cluster**
- **Listener**
- **Server**
- **Instance**
- **Database**
- **Login**
- **AgentJob**
- **Credential**
- **Proxy**
- **LinkedServer**

4.2 Output Columns

The output of the extracted data always contains the same columns but the content for some columns depends on the ObjectType.

Column	Description
Action	Insert, Delete or Update of one or more columns.
Domain	Active Directory Domain
ObjectType	Cluster, Listener, Server, Instance, Database, Login, AgentJob, Credential, Proxy, LinkedServer
ObjectID	Object ID in QGrip, informational.
ObjectName	The name of the object.
AppID	App ID in QGrip, informational.
Application	This is the CMDB-ID of the Application.
IsService	Application is Service when IsService=1, otherwise not.
EnvID	1-6, the Environment ID / Order, 1=Develop, 6=Production
Environment	The Full name of the environment in QGrip.
CompLevel	SQL Server Compatibility level.
SQLVersion	The SQL Server Version.
SizeMB	Size in MB.
ParentType	Parent type, Instance, Server or Cluster.
ParentID	Parent ID in QGrip.
ParentName	The name of the parent.
ParentType2	Parent type, Listener (Only for databases in Always On)
ParentID2	Parent ID in QGrip.
ParentName2	The name of the parent.
InfoNumber1	Depend on ObjectType.

InfoNumber2	Depend on ObjectType.
InfoText1	Depend on ObjectType.
InfoText2	Depend on ObjectType.
InfoText3	Depend on ObjectType.

4.2.1 ObjectType: Cluster

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Cluster
ObjectID	Cluster ID in QGrip
ObjectName	Cluster Name
EnvID	Environment ID, 1-6
Environment	Full Name Environment
InfoNumber1	Number of Cores
InfoNumber2	Memory in GB

4.2.2 ObjectType: Listener

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Listener
ObjectID	AGListener ID in QGrip
ObjectName	Listener Name (DNS Entry)
EnvID	Environment ID, 1-6
Environment	Full Name Environment
ParentType	Cluster
ParentID	Cluster ID in QGrip
ParentName	Cluster Name
InfoNumber1	Port Number
InfoText1	IP Address
InfoText2	Always on Availability Group

4.2.3 ObjectType: Server

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Server
ObjectID	Server ID in QGrip
ObjectName	Server Name
ParentType	Cluster (*)
ParentID	Cluster ID in QGrip (*)
ParentName	Cluster Name (*)
InfoNumber1	Number of Cores
InfoNumber2	Memory in GB

InfoText1	IP Address
InfoText2	Server OS

(*) Only filled when server is part of Windows Clustering

4.2.4 ObjectType: Instance

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Instance
ObjectID	Instance ID in QGrip
ObjectName	Instance Name
EnvID	Environment ID, 1-6
Environment	Full Name Environment
CompLevel	Instance Compatibility Level
SQLVersion	Instance SQL Server Version (2005, 2008, 2012, 2014, etc.)
SizeMB	Instance Disk space used in MB
ParentType	Server
ParentID	Server ID in QGrip
ParentName	Server Name
InfoNumber1	PortNumber
InfoNumber2	Instance Max Memory MB
InfoText1	Instance Collation
InfoText2	Instance Full Version
InfoText3	Instance Edition

4.2.5 ObjectType: Database

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Database
ObjectID	Database ID in QGrip
ObjectName	Database Name
AppID	App ID in QGrip, owning Application.
Application	CMDB-ID of owning Application.
IsService	Owning Application is Service? 0 or 1
EnvID	Environment ID, 1-6
Environment	Full Name Environment
CompLevel	Database Compatibility Level
SQLVersion	Database SQL Server Version (2005, 2008, 2012, 2014, etc.)
SizeMB	Database Disk space used in MB
ParentType	Instance
ParentID	Instance ID in QGrip
ParentName	Instance Name
ParentType2	Listener (*)
ParentID2	Listener ID in QGrip (*)
ParentName2	Listener Name (DNS entry) (*)

InfoText1	Database Collation
InfoText2	Database Status
InfoText3	Database Recovery model

(*) Only filled if database is part of Always On availability group and has a listener.

4.2.6 ObjectType: Login

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Login
ObjectID	Login ID in QGrip
ObjectName	Login Name
AppID	App ID in QGrip, owning Application.
Application	CMDB-ID of owning Application.
IsService	Owning Application is Service? 0 or 1
EnvID	Environment ID, 1-6
Environment	Full Name Environment
ParentType	Instance
ParentID	Instance ID in QGrip
ParentName	Instance Name
InfoText1	Login Type (SQL_LOGIN, WINDOWS_LOGIN, WINDOWS_GROUP)
InfoText2	Login Default Database
InfoText3	Login Server Roles

4.2.7 ObjectType: AgentJob

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	AgentJob
ObjectID	AgentJob ID in QGrip
ObjectName	Job Name
AppID	App ID in QGrip, owning Application.
Application	CMDB-ID of owning Application.
IsService	Owning Application is Service? 0 or 1
EnvID	Environment ID, 1-6
Environment	Full Name Environment
ParentType	Instance
ParentID	Instance ID in QGrip
ParentName	Instance Name
InfoText1	AgentJob Owner on Instance
InfoText2	Job enabled (Yes/No)
InfoText3	Schedule as string (Informational).

4.2.8 ObjectType: Credential

Column	Description
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Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Credential
ObjectID	Credential ID in QGrip
ObjectName	Job Name
AppID	App ID in QGrip, owning Application.
Application	CMDB-ID of owning Application.
IsService	Owning Application is Service? 0 or 1
EnvID	Environment ID, 1-6
Environment	Full Name Environment
ParentType	Instance
ParentID	Instance ID in QGrip
ParentName	Instance Name
InfoText1	Credential Account (AD-User)

4.2.9 ObjectType: Proxy

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	Proxy
ObjectID	Proxy ID in QGrip
ObjectName	Proxy Name
AppID	App ID in QGrip, owning Application.
Application	CMDB-ID of owning Application.
IsService	Owning Application is Service? 0 or 1
EnvID	Environment ID, 1-6
Environment	Full Name Environment
ParentType	Instance
ParentID	Instance ID in QGrip
ParentName	Instance Name
InfoText1	Credential Name
InfoText2	Enabled Yes/No
InfoText3	Sub systems

4.2.10 ObjectType: LinkedServer

Column	Description
Action	Insert, Delete or Update.
Domain	Active Directory Domain
ObjectType	LinkedServer
ObjectID	LinkedServer ID in QGrip
ObjectName	LinkedServer Name
AppID	App ID in QGrip, owning Application.
Application	CMDB-ID of owning Application.
IsService	Owning Application is Service? 0 or 1
EnvID	Environment ID, 1-6

Environment	Full Name Environment
ParentType	Instance
ParentID	Instance ID in QGrip
ParentName	Instance Name
InfoText1	Product
InfoText2	Provider
InfoText3	Source