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# QGrip-UI Admin Menu Config



2024-04-14



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# 1 Introduction

This document describes the items in the Admin Menu -> Config of the QGrip-UI.

Required QGrip Role	Menu
QGrip-Admin	Admin -> Config

Note that the Admin menu will only be visible for QGrip-Admin users and all Menu-Items will be enabled.

Adr	nin	Application	Jobs	Trace	Reports Window	Help		
*	Cor	nfig	J		AD-Domains			
6	Acc	ess to QGrip		• 🕺	Environments		-	
(F	Infr	a		1	Clean-up Definitions		-	
☀	Job	s	1		ChangelD Mandatory	,		
	Exp	ort		•	Parameters	•	F	Check Status Infra (ExtraJob)
	Imp	oort		. 🙎	Encryption Config		•	Keep System Usage
	Ten	nplate		•			<b>1</b>	Generate Backup Report
2	Per	iodic Up/Downtin	me	•			1	
Zz.	Ma	intenance Mode						Warning Longrunning-Jobs Warning FreeSpace

The config menu contains most items that can be configured. A lot of these settings will be configured during the initial configuration but can be changed later. Remember that changing configurations in a running system will have consequences and should be done with care. This is especially important for the definition of the (DTAP) Environments.



# 2 AD-Domains

<b>()</b> A(	D-Domains			- 🗆 ×
AD-D	lomains			
	Domain	FullyQualifiedName	QGrip System Account	QGripDBDomain
۲.	GOS-A	GOS-A.intra	GOS-A\TST_gMSA_QGrip\$	V
	GOS-B	GOS-B.intra	GOS-B\TST_gMSA_QGrip\$	
			Edit Delete	Close

An AD-domain is automatically added to QGrip whenever needed during the Install of a QGrip Server.

### Edit

Only the Fully Qualified Name can be changed if needed by editing the record.

### Delete

If an AD-domain is no longer used and does not contain any objects anymore, it can be deleted.

### Deleting AD-Domain

If you want to decommission an AD-Domain, you will need to

- 1. Delete all Instances in the Domain
- 2. Wait for at least one week (backup files of removed instances takes a week).
- 3. Delete the Backup Shares in the AD-Domain.
- 4. Uninstall the QGrip Servers in the AD-domain
- 5. Delete the AD-Domain

Checks will prevent you from Deleting the object in the wrong order except for the QGrip Servers. The problem is that the QGrip Servers are needed to remove the backup files on the backup shares.

# 3 Environments

**OGRIP** 

Define the Environments you have within your organisation by checking the [InUse] column and click save. You can also change the [EnvChar], [ShortName] and/or [FullName] whenever needed but try doing so as early as possible as these items can be used in Substitutions.

Unchecking an environment that is used by an Instance is not possible.

) En	vironmen	ts						-		
Inviro	onments	EdNama	Enchar	ShortName	Orda	MadfielDy	MadifiedDate		Save	
•	nose	Develop	D	Dev	1	QGripInstall	2020-08-20 17:42		Save+Clo	se
		UnitTest	U	Uni	2	QGripInstall	2020-08-20 17:42		Close	
	•	Test	т	Tst	3	Dan-Admin	2021-06-25 08:39	1		
	•	Acceptance	A	Acc	4	Dan-Admin	2021-06-25 08:39			
	Г	Integration	1	Int	5	QGripInstall	2020-08-20 17:42			
	•	Production	Ρ	Prd	6	Dan-Admin	2021-06-25 08:33			

Even if you change the names of the environments, the order for the DTAP principal will always be determined by the Order column that cannot be changed.

### Note:

After adding a new environment, you need to specify its Clean-up Definition, (Re) Create Template teams and add Prices for the cost split.

# 4 Clean-up Definitions

**ØGRIP** 

For a good performance of the QGrip database and preventing that the Backup Shares run out of space, a regular clean-up is important.

It is also important to note that you will need to activate the Clean-up schedules before the Clean-up jobs are run.

Use the Clean-up Definition screen to define how long you want to keep Job History, Backup Files and CheckDB Output. The Clean-up Definition screen is divided in 2 parts:

Global Job History 1.
CleanUp, delete after 30 - Days Accessibility, delete after 30 - Days
DomainJob, delete after 30 - Days OtherJobs, delete after 30 - Days
Test Acceptance Production 2.

1. Global Job History, not related to a specific environment.

2. A tab for each environment in use. In this example Test, Acceptance and Production are in use.

### Important:

Initially, the Clean-up Definition is filled with default values. The default values for the clean-up of Backup Files are based on the idea that the files will be backed up to Secondary storage once every 24 hours. If that is not the case, you will need to increase the values to fit your own backup/restore strategy.

Note that the job history records of DBBackup, LogBackup and CheckDB will never be deleted as long as the Backup Files or CheckDB output need to be kept.

### 4.1 Job History

Name	Description	Remark
Job History	How many days do you want to be able to	History records of DBBackup,
	see the history of the different jobs?	LogBackup and CheckDB will never
		be delete as long as the Backup Files
		or CheckDB output need to be kept.

### 4.2 Backup Files

Name	Description	Remark
Full Backup	The number of Full backups you	
	always want to have available on the	
	Backup Share	
Diff Backup	The number of Diff backup you always	The system will make sure that the
	want to have available on the Backup	Full backup needed to restore a Diff
	Share.	backup is always kept.
Keep for at least	The number of Days you always want	This is also the number of days the
	to keep the Backup Files on the	Tran backups will be kept.
	Backup Shares.	



# 4.3 CheckDB Output

Name	Description	Remark
CheckDB Output	The number of Days you want to keep	The output is saved in a binary file in
	the CheckDB output.	the QGrip database.

# 4.4 Msdb backup history

Name	Description	Remark
Msdb backup history	The number of Days you want to	After each scheduled DBBackup on
	keep the backup history in msdb on	an Instance, QGrip will delete
	the instances.	backup history in msdb.



# 5 Change ID Mandatory

Discover Jo	ob Reques	t						-		×		
Environment	Test				Change ID	Change ID			Add2Qu	eue		
Instance	ATSTSQL19\TST				•					Refresh		
StartAfter	2024-04-	14 19:59		2	•				Close	.		
Discover												
Envir	onment	Prio	Object	Status	StartAfter	Job Started	EstTime	RunTime				
4								•	0 rows			

In all Windows where QGrip-users can request a job or change, it is possible to enter a Change ID. The change ID should represent an Identifier from your organisation's Service-Management or Change registration system.

Char	ngelD Mand	atory				-		×
hange	ID Mandatory	a						
lange	Mandatory	JobType Request	Environment /	ModifiedBy	ModifiedDate	-	Save	
		Backup-Maintenance	Production	QGripInstall	2020-08-20 17:42		Save+Clo	se
		Restore/Clone to Env	Production	QGripInstall	2020-08-20 17:42		Close	
		AppObjects	Production	QGripInstall	2020-08-20 17:42			
		Discover	Production	QGripInstall	2020-08-20 17:42			
		Backup-Maintenance	Test	QGripInstall	2020-08-20 17:42			

Check the column Mandatory for the combination JobType / Environment where a Change ID must be entered by the Requester and press save. QGrip will then verify that the field has been filled before the Job can be added to the Job Queue.



### 6 Parameters

### 6.1 Parameter: Check Status Infra

Timeout when checking if available	
Instance 5 - seconds	
Backup Share 5 : seconds	
Check Database Status (Online, Offline, etc.)	

Define the timeout that should be used when checking if an Instance or Backup Share is available and if the Database Status should be collected.

### 6.2 Parameter: Keep System Usage

Delete Per10Min data after	14 ÷ days
Delete PerHour data after	28 📩 days

Define how many days you want to keep System Usage 'Per 10 min' and 'Per Hour.

6.3 Parameter: Generate Backup Report

Start of day	06:00
Generate report at	06:05
Next run after	2024-04-15 06:05
Send mail to all QGripAdmin	<b>v</b>
Email adresses other report re	eceivers (separated by comma)

The Backup Report runs every 24 hours and prepares a backup report.

You can specify when a day begins and at what time the report should be generated. The Backup Report can be found under menu Reports.

If you are using the plugin External Monitoring to distribute the Backup Report via email, you can also specify if the report should be mailed to all QGrip Admins and/or a separate list of email addresses.

### 6.4 Parameter: Generate Charge Input

Collect data at	08:05	
Next run after	2024-04-15 08:05	Ψ.

**OGRIP** 

Data used as basis for the Charges (Split costs) is collected once every day. You can specify at which time you want the data to be collected.

You are advised to set the time just after Discover has run on all Instances.

### 6.5 Parameter: Warning Longrunning jobs

Generate Warning at	h30 🗧	% of estimated runtime
and a minimum of	60 🛨	seconds estimated runtime

Define when a job should be regarded as Longrunning as percentage of estimated runtime.

### 6.6 Parameter: Warning FreeSpace

#### There are 4 kinds of 'Free Space Types'.

Туре	Description	Remark
Server Disk	The disks on a Server (Instance host)	Only monitored if set in Discover job
		Get Disk Drives (Size/Free)
Backup Share	The backup shares	
Datafile	The database data files	Only monitored when max file size is set.
Logfile	The database log files	Only monitored when max file size is set.

You always have to save changes before you switch to another Free Space type.

Warning Current sizes		
Ranges		Warning at
Min MB	Max MB	% free
0	10.240	10,00
10.241	102.400	5,00 -
102.401	512.000	3,00 🛨
512.001	1.048.576.348	2.00 🗧

Current Sizes, define 4 size blocks with their own percentages.



Warning Forecast	
Generate when	
Full within 10 🗮	Days, based on growth last 1 week
Full within 30 🛨	Days, based on growth last 1 month
Full within 60 🛨	Days, based on growth last 3 months

Forecast, define when you want to see warnings that something will probably fill up based on growth last week, last month and last 3 months. If you do not want any warnings, enter 0 days.



# 7 Encryption Config

### **Recommended documentation**

Doc-Tab	Title
Infra	Encryption (Keys and Certificates)
Jobs	QGrip Backup Encryption

Enable Symmetr	ic Keys and Certificates	
Check every	1 🕂 Days 💌	That QGrip System Accounts are Local Administrators on the Backup Share Servers.
		(Admin->Infra->Accessibility: QGripAccount-IsLocalAdmin)
🔽 Enable QGrip Ba	ackup Encryption (SQL	2014 and Higher)
Algorithm A	ES_256 💌	Should be used to Encrypt Backups when Encryption is enabled.
Certificate valid	12 🛨	Months when created to Encrypt Backups when Encryption is enabled.

If you want to 'Enable Symmetric Keys and Certificate', please read the Encryption (Keys and Certificates) document listed above and follow the instructions in that document.

QGrip Backup Encryption can only be enabled when Symmetric Keys and Certificates has been enabled.