



QGrip-UI
Reports Menu

GRIP ON SOL

2024-04-16

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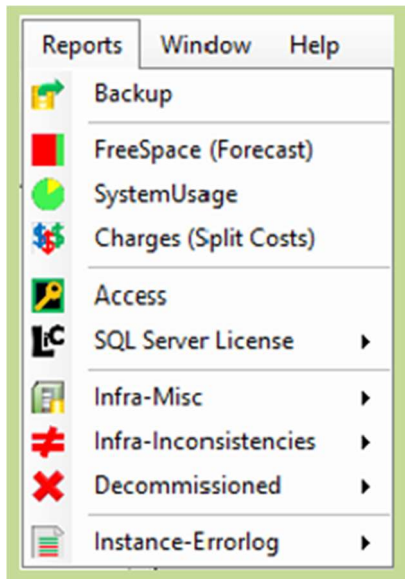
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1 Introduction

This document describes all items in the Reports Menu of the QGrip-UI.

Required QGrip Role	Menu
QGrip-Admin	Reports

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



2 Backup Report

Recommended documentation

Doc-Tab	Title
Reports	Backup Report

A backup report is created daily. If the selected period is longer than 1 day, the report data is aggregated. The report can be saved as Html and be distributed whenever needed.

Report QGrip Backup
Date 2021-01-27
Period 2021-01-27 06:02 – 2021-01-28 06:02

Status

Success	291
Failed	0
Warning	0

DB Backup

Domain	Env	Instance	Listener	Databases	Backups	BackupMB	Minutes	MB/Sec	DeletedFiles	DeletedMB	DiffMB
AD	Acc	VMSQL1201\ACC		7	7	64	0	64	0	0	64
AD	Prd	VMSQL1201\PRD		5	5	35	0	35	8	117	-82
AD	Prd	VMSQL1601\INST01		3	3	12	0	12	0	0	12
AD	Prd	VMSQL1602\INST02		3	3	11	0	11	0	0	11
AD	Prd	VMSQL1603\INST03		6	6	43	0	43	0	0	43
AD	Prd	VMSQL1603\INST03	AG_LIST_01	5	5	21	0	0	0	0	21
AD	Prd	VMSQL1603\INST03	AG_LIST_02	2	2	8	0	0	0	0	8

Log Backup

Domain	Env	Instance	Listener	Databases	Backups	BackupMB	Minutes	MB/Sec	DeletedFiles	DeletedMB	DiffMB
AD	Acc	VMSQL1201\ACC		4	24	24	0	8	0	0	24
AD	Prd	VMSQL1201\PRD		3	69	85	0	6	0	0	85
AD	Prd	VMSQL1601\INST01		1	23	23	0	3	0	0	23
AD	Prd	VMSQL1602\INST02		1	12	12	0	0	0	0	12
AD	Prd	VMSQL1603\INST03		4	48	48	0	16	0	0	48
AD	Prd	VMSQL1603\INST03	AG_LIST_01	5	60	60	0	10	0	0	60
AD	Prd	VMSQL1603\INST03	AG_LIST_02	2	24	24	0	6	0	0	24

Backup Shares

Domain	BackupShare	Backups	BackupMB	Minutes	MB/Sec	DeletedFiles	DeletedMB	DiffMB
AD	Regular-All	291	470	0	11	8	117	353

If there are failed jobs, the report is red and the failed jobs are listed, otherwise it is green.

3 FreeSpace (Forecast)

Recommended documentation

Doc-Tab	Title
Reports	FreeSpace Forecast

FullDate	WithinDays	Domain	ServerName	Drive	Free(%)	GrowthUnit	Growth(MB)	Size(MB)	Free(MB)
2024-05-07	21	GOS-A	ATSTSQL19	C	23.31	Last 1 Week	1.522	20.149	4.697
2024-05-23	37	GOS-A	ATSTSQL19	C	23.31	Last 1 Month	3.755	20.149	4.697
2024-05-29	43	GOS-A	ATSTSQL19	E	49.00	Last 1 Month	1.733	5.102	2.500
2024-06-01	46	GOS-A	ATSTSQL2201	E	67.78	Last 1 Week	527	5.102	3.458
2024-06-04	49	GOS-B	BTSTSQL22	G	87.22	Last 1 Week	630	5.102	4.450
2024-07-31	106	GOS-B	BTSTSQL22	F	93.50	Last 1 Week	630	10.222	9.558
2024-09-02	139	GOS-B	BTSTSQL22	E	43.83	Last 1 Week	114	5.102	2.236
2024-10-07	174	GOS-B	BTSTSQL19	C	33.91	Last 1 Month	1.796	30.390	10.304

Only available/visible when full within 365 days.

Type	Description	Remark
Server Disk	The disks on a Server (Instance host)	Only monitored if set in Discover job <input checked="" type="checkbox"/> 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.

Date	Free(%)	Free(MB)	Used(MB)	Size(MB)	+/- (MB) 1Week	+/- (MB) 1Month	+/- (MB) 3Months
2024-04-15	49.18	2.509	2.593	5.102	18	1.724	0
2024-04-14	49.45	2.523	2.579	5.102	4	1.710	0
2024-04-04	49.53	2.527	2.575	5.102	1.705	0	0
2024-04-03	82.91	4.230	872	5.102	2	0	0
2024-04-01	82.95	4.232	870	5.102	1	1	0
2024-03-26	82.95	4.232	870	5.102	1	0	0
2024-03-08	82.97	4.233	869	5.102	0	0	0

Use history for deeper analysis.

4 System Usage

Recommended documentation

Doc-Tab	Title
Reports	System Usage

The screenshot shows the 'SystemUsage Report' window. The 'Instance' section is set to 'Production' and 'VMSQL1201\PRD'. The 'Level' is set to 'Login'. The 'Period' is set to '2021-01-28' with 'Days' set to '1'. The 'Parameters' section has checkboxes for 'Conn', 'Cpu', 'IO', and 'Memory in' checked, and 'Per10Min' unchecked. The 'PerDay' and 'PerHour' tabs are highlighted in red. The table below shows system usage data for three logins on 2021-01-28.

PeriodStart	Login	Conn	%Conn	Cpu	%Cpu	IO	%IO	MemMB	%Mem
2021-01-28	AD\Dan_Admin	1.911	3.61	735	23.30	103	1.82	29	3.52
2021-01-28	AD\QGrip_gMSA\$	48.391	91.29	2.058	65.23	50	0.88	756	89.20
2021-01-28	AD\SASQL_VMSQL1201_2PRD	2.705	5.10	362	11.47	5.499	97.29	61	7.28

The tabs 'Per Day' and 'Per Hour' are always present in the report.
 The tab 'Per Day' will never contain data for 'today, only for yesterday and earlier.

The screenshot shows the 'SystemUsage Report' window with the 'Per10Minutes' checkbox checked in the 'Parameters' section. The 'Get Report' button is also highlighted in red. The table below shows system usage data for three logins on 2021-01-28.

PeriodStart	Login	Conn	%Conn	Cpu	%Cpu	IO	%IO	MemMB	%Mem
2021-01-28	AD\Dan_Admin	1.911	3.61	735	23.30	103	1.82	29	3.52
2021-01-28	AD\QGrip_gMSA\$	48.391	91.29	2.058	65.23	50	0.88	756	89.20
2021-01-28	AD\SASQL_VMSQL1201_2PRD	2.705	5.10	362	11.47	5.499	97.29	61	7.28

To add the tab 'Per 10 Minutes', check the checkbox. Hit 'Get Report' is needed to fill the tab with data.

SystemUsage Report

Instance: Env **Production** Instance **VMSQL1201\PRD**

Level: **Login** Specific

Parameters: Conn Cpu IO Memory in **MB** Per10Min

PeriodStart	Login	Conn	%Conn	Cpu	%Cpu	IO	%IO	MemMB	%Mem
2021-01-28	AD\Dan_Admin	1.911	3.61	735	23.30	103	1.82	29	3.52
2021-01-28	AD\QGrip_gMSA\$	48.391	91.29	2.058	65.23	50	0.88	756	89.20
2021-01-28	AD\SASQL_VMSQL1201_2PRD	2.705	5.10	362	11.47	5.499	97.29	61	7.28

Instance selection. If System Usage has not been activated for selected instance, no data will be shown.

SystemUsage Report

Instance: Env **Production** Instance **VMSQL1201\PRD**

Level: **Login** Specific

Parameters: Conn Cpu IO Memory in **MB** Per10Min

PeriodStart	Login	Conn	%Conn	Cpu	%Cpu	IO	%IO	MemMB	%Mem
2021-01-28	AD\Dan_Admin	1.911	3.61	735	23.30	103	1.82	29	3.52
2021-01-28	AD\QGrip_gMSA\$	48.391	91.29	2.058	65.23	50	0.88	756	89.20
2021-01-28	AD\SASQL_VMSQL1201_2PRD	2.705	5.10	362	11.47	5.499	97.29	61	7.28

Level selection. Select either Login, Database, Application or All. It is also possible to select just one specific Login, Database or Application.

Application	Login	Database
QGrip	AD\Dan_Admin	QGrip
QGrip	AD\QGrip_gMSA\$	QGrip

Level All, all 3 levels are shown.

The screenshot shows the 'SystemUsage Report' window. The 'Instance' section is set to 'Production' and 'VMSQL1201\PRD'. The 'Level' is set to 'Login'. The 'Period' section is highlighted with a red box, showing 'Start' as '2021-01-28', 'Days' as '1', and 'Compare' as '2021-01-27'. The 'Parameters' section has checkboxes for 'Conn', 'Cpu', 'IO', 'Memory in', and 'Per10Min', all of which are checked. The 'Memory in' unit is set to 'MB'. A 'Get Report' button is highlighted with a red box. Below the configuration is a table with columns: PeriodStart, Login, Conn, %Conn, Cpu, %Cpu, IO, %IO, MemMB, %Mem.

PeriodStart	Login	Conn	%Conn	Cpu	%Cpu	IO	%IO	MemMB	%Mem
2021-01-28	AD\Dan_Admin	1.911	3.61	735	23.30	103	1.82	29	3.52
2021-01-28	AD\QGrip_gMSA\$	48.391	91.29	2.058	65.23	50	0.88	756	89.20
2021-01-28	AD\SASQL_VMSQL1201_2PRD	2.705	5.10	362	11.47	5.499	97.29	61	7.28

Choose the start date or the period and for how many days you want to see the System Usage. It is also possible to compare the usage with another day.

This screenshot is similar to the first one, but the 'Parameters' section is highlighted with a red box. The checkboxes for 'Conn', 'Cpu', 'IO', 'Memory in', and 'Per10Min' are all checked. The 'Memory in' unit is set to 'MB'. A red box also highlights the column headers of the table below: 'Conn', '%Conn', 'Cpu', '%Cpu', 'IO', '%IO', 'MemMB', and '%Mem'. A red arrow points from the 'Memory in' dropdown to the 'MemMB' column header.

PeriodStart	Login	Conn	%Conn	Cpu	%Cpu	IO	%IO	MemMB	%Mem
2021-01-28	AD\Dan_Admin	1.911	3.61	735	23.30	103	1.82	29	3.52
2021-01-28	AD\QGrip_gMSA\$	48.391	91.29	2.058	65.23	50	0.88	756	89.20
2021-01-28	AD\SASQL_VMSQL1201_2PRD	2.705	5.10	362	11.47	5.499	97.29	61	7.28

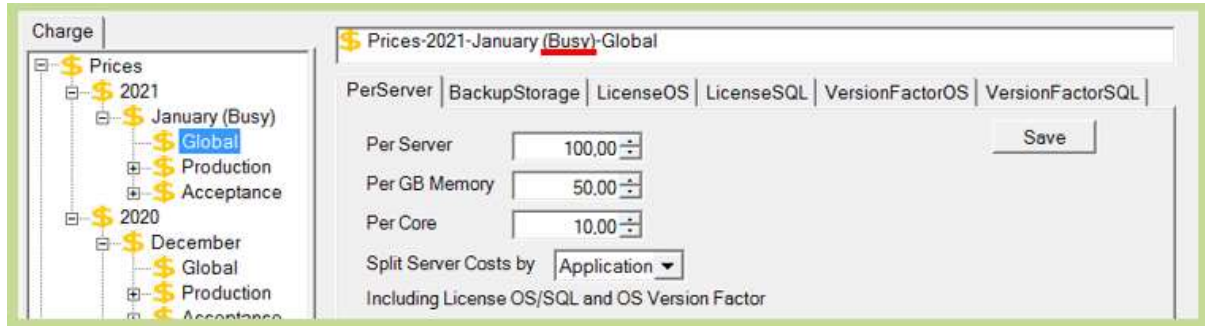
The parameters just show/hide columns in the already collected report. Switch between different memory units (KB, MB, GB). Conn = Connects.

5 Charges (Split Costs)

Recommended documentation

Doc-Tab	Title
Reports	Charges-Split Costs

5.1 Prices



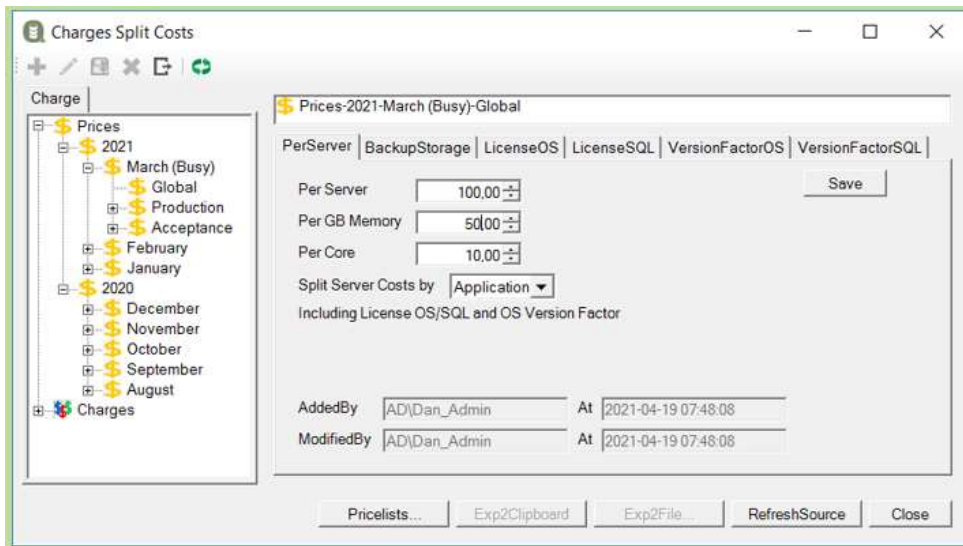
The prices are only editable in the Busy Prices month, otherwise they are visible but greyed out. In each Price tab, there is a [Save] button. You MUST hit the save button for changes in each tab, otherwise the changes will be lost.

5.1.1 Prices – First time

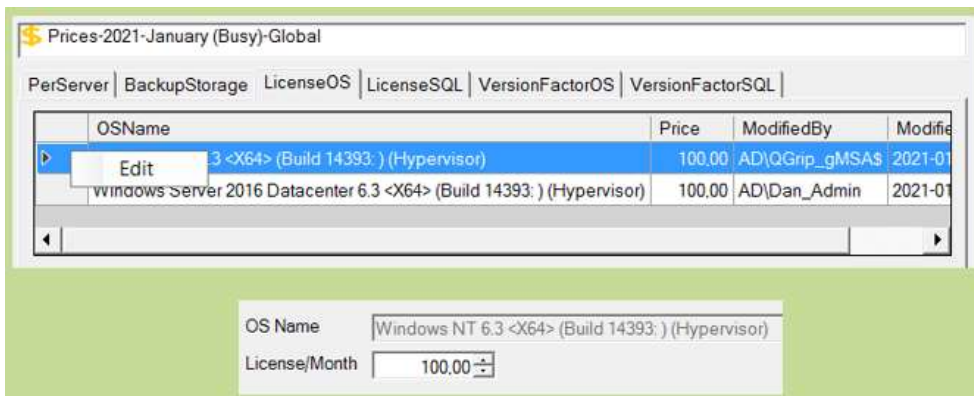


Initially, the Prices are filled with default values. In the first month in your system, you will need to check and adjust the Global Prices and the prices for each Environment.

5.1.2 Prices – Global



Prices of objects that cannot be directly related to one specific (DTAP) environment are referred to as global. A server can host multiple Instances that can be for different (DTAP) environments and is regarded as global. This does also apply to Backup Storage.



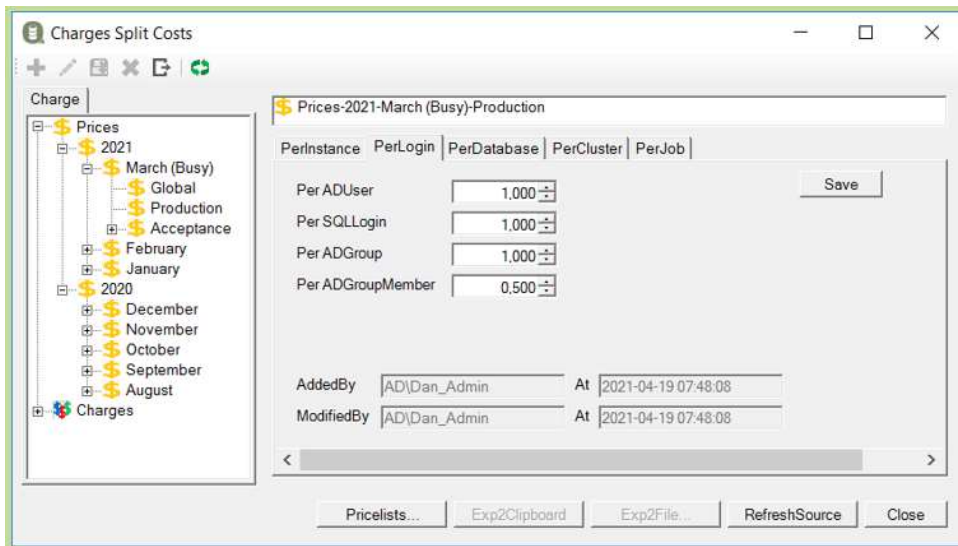
To edit the occurrences in tabs that contains a list, right-click the row to edit.

Tab

- LicenseOS
- LicenseSQL
- VersionFactorOS
- VersionFactorSQL

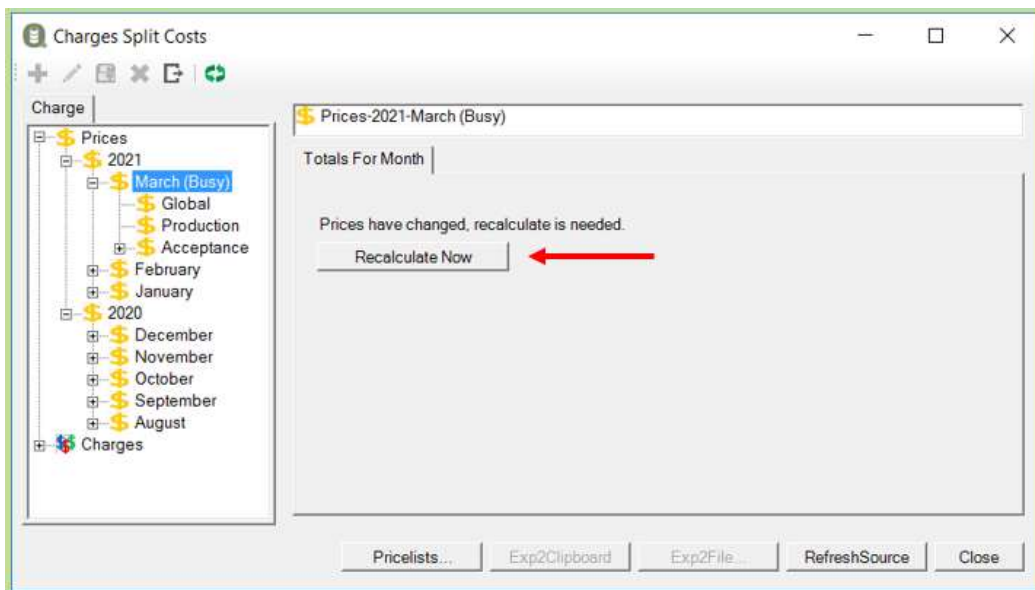
These tabs contain lists.

5.1.3 Prices – Per Environment



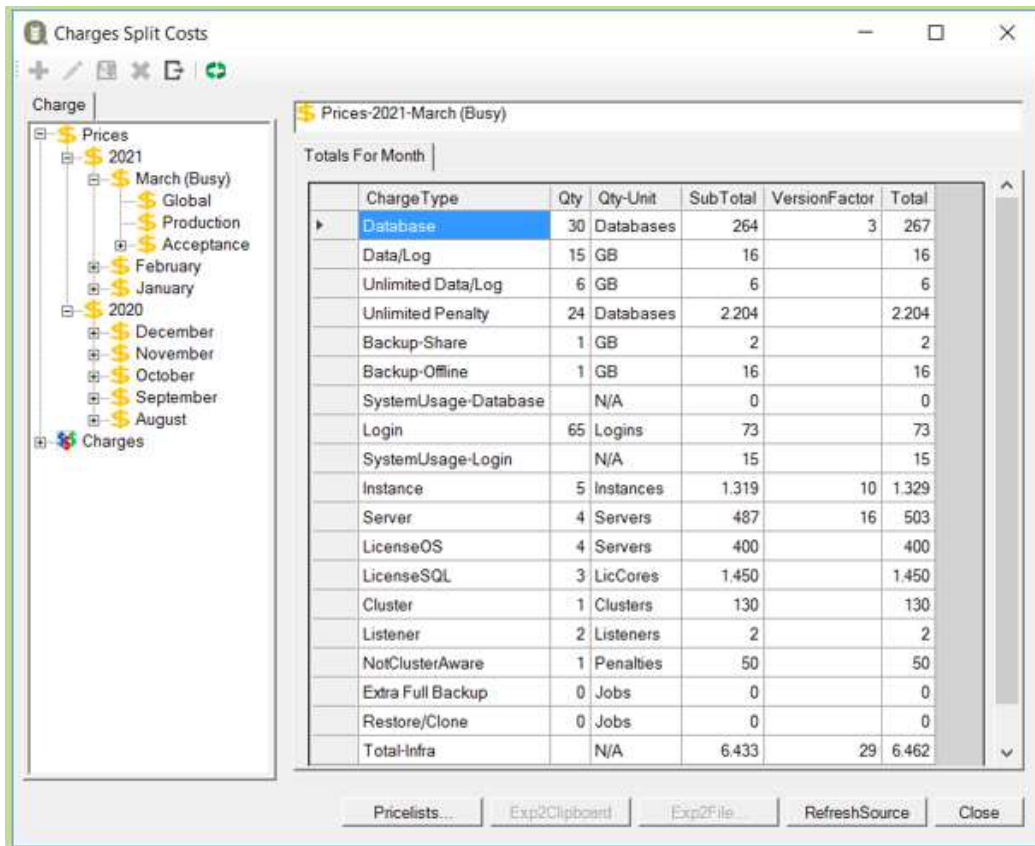
The prices for the different environments need to be edited separately.

5.1.4 Prices – Recalculate



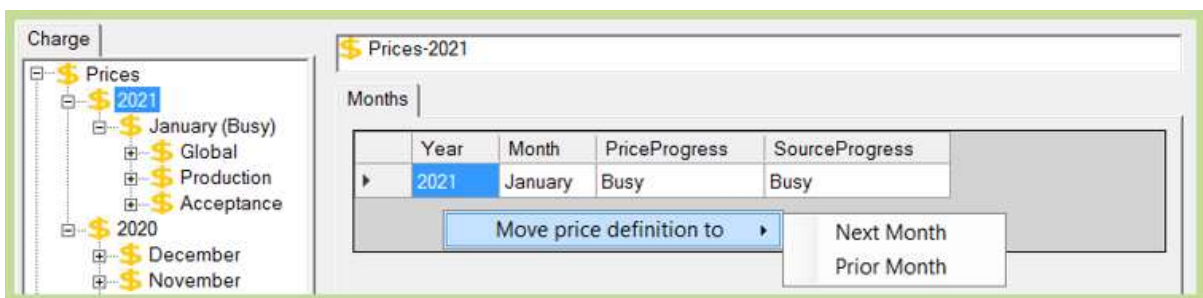
If one or more prices have been changed, recalculate is needed for the Totals per Month. Instead of showing the normal Totals overview, the 'Recalculate Now' button will be visible.

5.1.5 Prices – Totals per Month

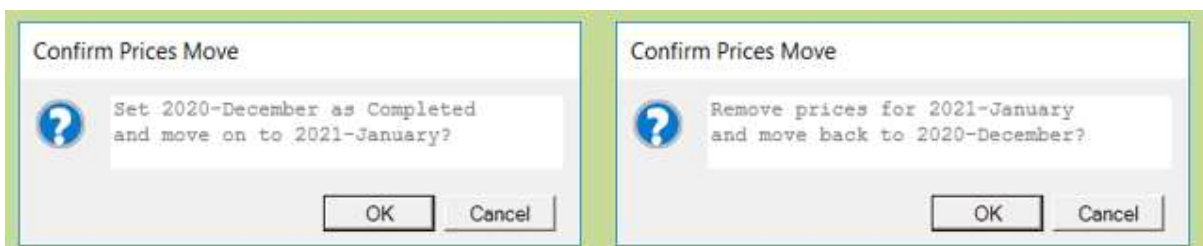


The Totals per Month is visible if a month has been selected. This is an overview of the charges based on the current filling of the Sources with the defined prices for the month.

5.1.6 Prices – Move price definition



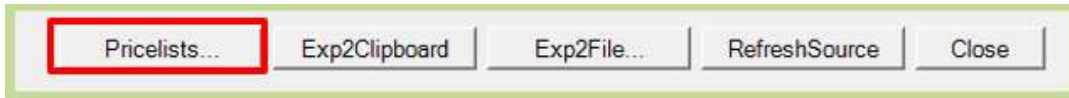
Right-Click in the Months overview of a year to move the busy month forward (Next Month) or backwards (Prior Month).



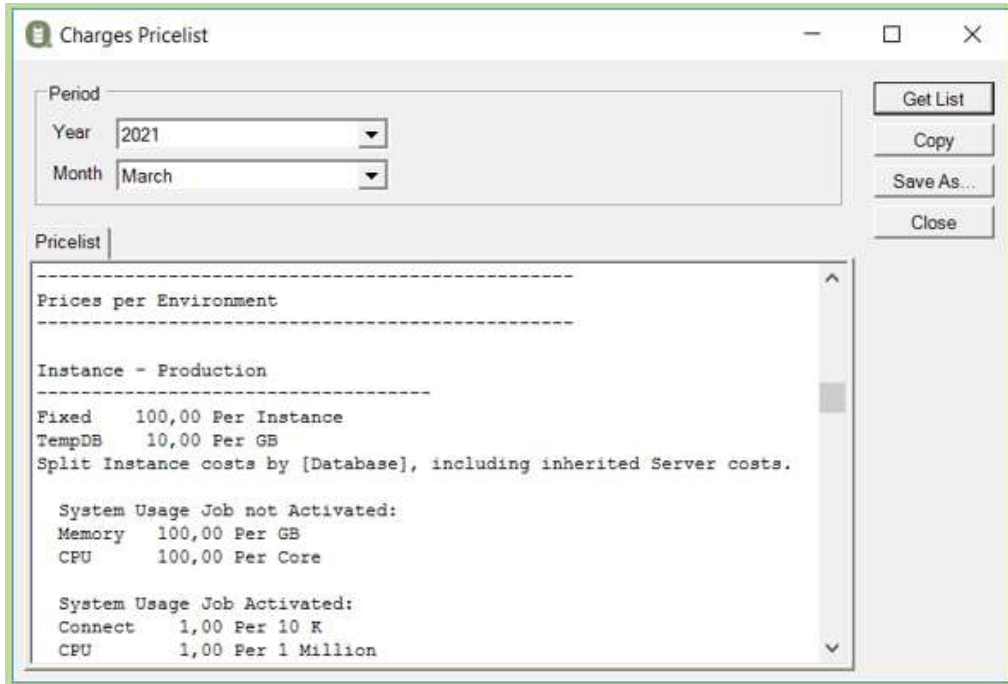
The move needs to be confirmed.

Use the Tree view to navigate to the Report you want to see and select the Year or period.

5.1.7 Prices – Pricelists



When the Pricelists button is clicked in the Charges window, the Pricelists window is opened.

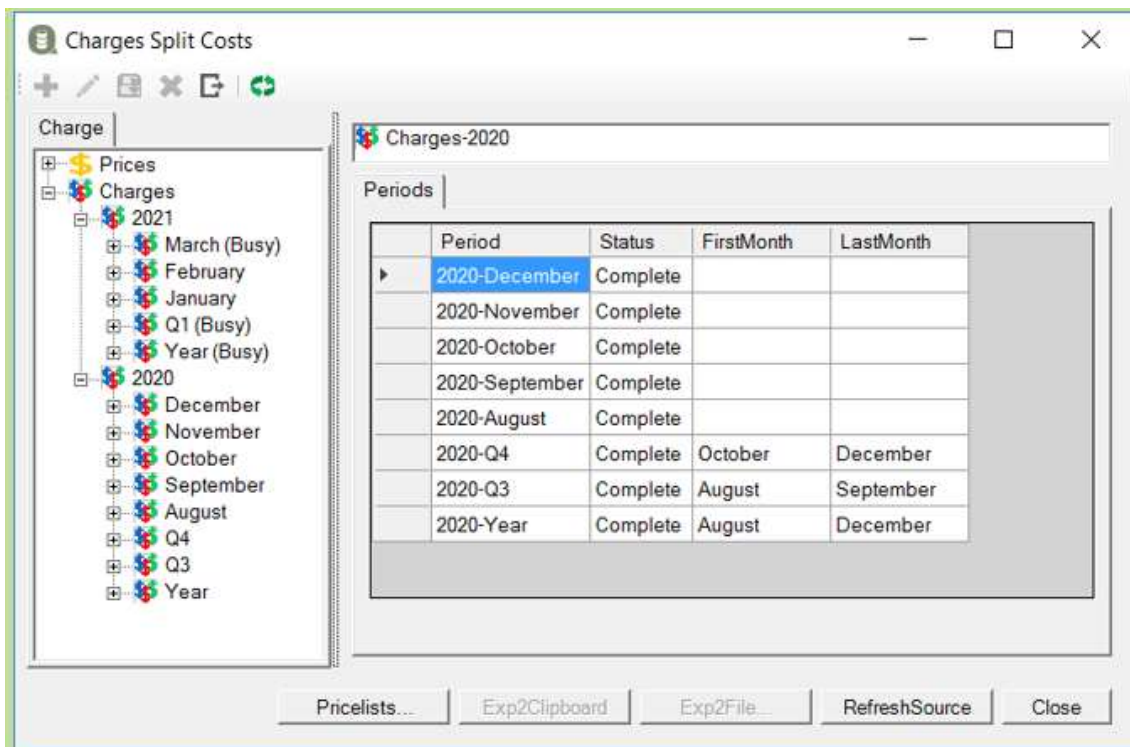


All defined prices for the selected month will be shown in flat format.

5.2 Charges

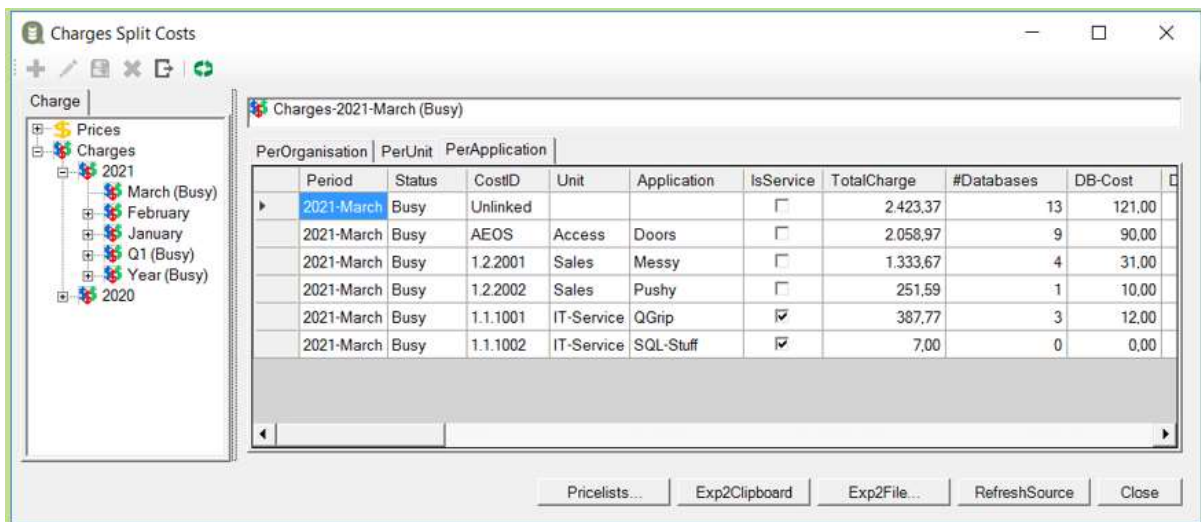
Use the Tree view to navigate to the Report you want to see and select the Year or period.

5.2.1 Charges – Year



When selecting a year, all periods with charges reports in that year, will be visible. The year and the Q1-Q4 will also show the first and last month in the report.

5.2.2 Charges – Period



When a period is selected, 3 tabs will be available:

- Per Organisation
- Per Unit
- Per Application

Objects that have not been Linked to an application in QGrip, will appear under a separate Cost ID:

- Unlinked

6 Access Report

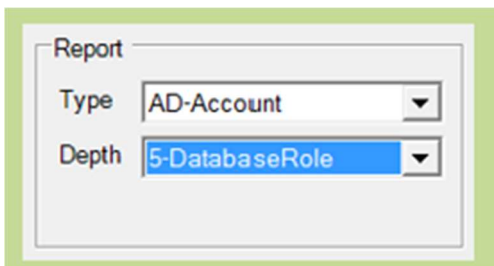
The Access Report shows who has access to which SQL Server Instances and with which permissions.

The access reports are based on the information in the QGrip CMDB and will only be reliable if

- the discover job has recently run on involved instances,
- OtherJob “AD Group Members” has run recently,
- there are no unlinked objects.

The Access Report does not automatically refresh after selection criteria has been changed but you will have to press the “Get Report” button to fill the report.

The Report can be saved by using the “Save As...” button.



In the Report part of you can choose which type of Report you want. Changing the Type will change the possible selection criteria.

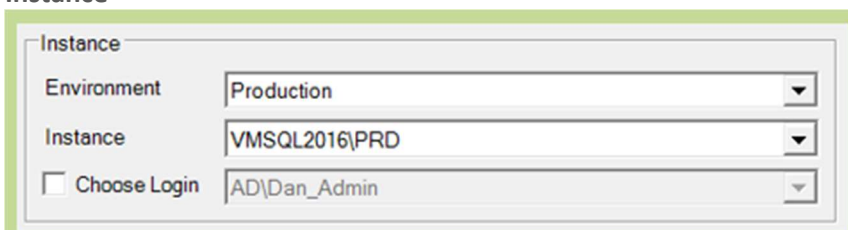
You will also need to select the Depth of your report. There are five Depths possible:

Depth	Description
1-Instance	Only the Instances will be shown
2-Login	Instances and Logins will be shown
3-Database	Instances, Logins and Databases will be shown.
4-DatabaseUser	Instances, Logins, Database with the Database Users and their direct user permissions and Database Role member ship. (*)
5-DatabaseRole	Same as 4-DatabaseUser, but extended with the permissions granted to the Database Roles. (*)

(*) Only Database permissions and ownership and permissions on Schemas is shown. Permissions on other objects, like Tables and Stored Procedures is NOT listed.

6.1 Report Types

Instance



The Environment drop down is only present to let find your Instance quickly. You will need to select an Instance.

If you choose a specific Login, the report will only contain that user. Otherwise, all logins on the Instance will be included.

AD-Account

Account Type is either AD-User or AD-Group. If AD-User is chosen, you can also include the Groups the AD-User is member of.

Note that all users and groups on your Active Directory will not be part of the possible selection. Only AD-Accounts that have been added as Login on an SQL Server Instance.

Application

If you check IsService, application that have been marked as IsService will be selectable. Otherwise, only applications that are not IsService.

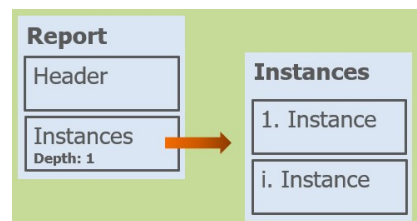
6.2 Report Layout

The Report layout is nested with different sections. The “number” of the parent of an object, is part of the section name.

6.2.1 Report

The actual Report consists of 2 sections, Header and Instances.

The Instances section contains one section per Instance that is numbered.



6.2.2 Header

Depth: 0

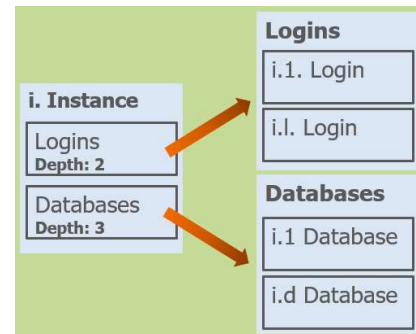
Label	Value
Generated	Date
By	QGrip User

Report Type	Instance / AD-Account / Application
Details	Listing or selection criteria for the report (Instance name, Application, etc.).
Groups/Members	Depending on selection, a listing of all AD-Groups or AD-Group members.

6.2.3 i. Instance

Depth: 1

Label	Value
InstanceName	<Instance Name>
Environment	Develop, Test, Acceptance, Production



i. is the Instance number in the report.

Each Instance has a subsection for Logins and Databases.

Subsection for Logins

Subsection for Databases

6.2.4 i.l. Login

Depth: 2

Label	Value
Login Name	<Login Name>
Login Type	WINDOWS_GROUP, WINDOWS_LOGIN, SQL_LOGIN
Disabled	YES (Only shown when login is Disabled)
Application	Application linked to Login.
Server Roles	(*) Listing of logins server roles
Group Members	When AD-Group, listing of all Group members. Only show if applicable and not shown in header.

(*) Suppressed when empty.

i. is the Instance number.

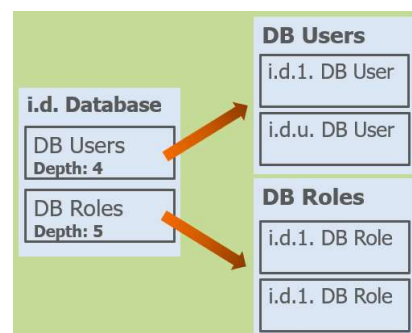
l. is the Login number within the Instance.

No subsections.

6.2.5 i.d. Database

Depth: 3

Label	Value
Database Name	<Database Name>
Application	Application linked to Database



i. is the Instance number.

d. is the Database number within the Instance.

Subsection for Database Users

Subsection for Database Roles

6.2.6 i.d.u. Database User

Depth: 4

Label	Value
Database User	Name database user
Login Name	Name corresponding Login
Application	Application linked to Login
Owning Schemas	(*) List of Schema's owned by Database User
Database Roles	(*) List of database roles user belongs to.
User Permissions	(*) List of DATABASE and SCHEMA permissions granted directly to Database User, not via Role.

(*) Suppressed when empty.

i. is the Instance number.

d. is the Database number within the Instance.

u. is the Database User number within the Database.

No subsections.

6.2.7 i.d.r. Database Role

Depth: 5

Label	Value
Database Role	Name database role
Role Owner	Owner of the Database Role
Owning Schemas	(*) List of Schema's owned by Database Role
Sub Roles	(*) List of database roles the role belongs to.
Role Permissions	(*) List of DATABASE and SCHEMA permissions granted to Database Role.

(*) Suppressed when empty.

i. is the Instance number.

d. is the Database number within the Instance.

r. is the Database Role number within the Database.

No subsections.

6.2.8 Example

Access Report
 Generated 2019-01-28 10:34:07
 By DanAdmin
 For
 Instance VMSQL2016\ACC
 Login SQLLogin_3002_A_Pushy_Application

1. Instance
 InstanceName VMSQL2016\ACC
 Environment Acceptance

1.1 Login
 LoginName SQLLogin_3002_A_Pushy_Application
 LoginType SQL_LOGIN
 Application 3002-Pushy

1.1 Database
 DatabaseName PushyA
 Application 3002-Pushy

1.1.1 DatabaseUser
 DatabaseUser SQLLogin_3002_A_Pushy_Application
 LoginName SQLLogin_3002_A_Pushy_Application
 Application 3002-Pushy
 Database Roles RoleApplication
 User Permissions
 DATABASE GRANT: CONNECT

1.1.1 DatabaseRole
 DatabaseRole RoleApplication
 Role Owner DBUser:dbo
 Role Permissions
 DATABASE GRANT: DELETE,EXECUTE,SELECT,UPDATE

7 SQL Server License

7.1 Total (Flatfile)

This report shows how many SQL Server licenses are needed for compliancy when a Core based license model is used.

The Report is based on information manually added to Servers and/or Clusters with QGrip.

If the information is not complete, the report will not be generated. Instead, and error message will occur:

```
Failed: Environment Incomplete

Licensed Cores not set on Server(s):
ServerName VMSQL2016
```

The Report is not generated automatically but you will need to press the “Get Report” button to fill the report.

The Report can be saved by using the “Save As...” button.

```
SQL Server License Report (Core Based)
Generated          2019-01-28 10:11:20
By                 DanAdmin

Overview, per edition/version:
Standard Edition (2008): 1 Cores
Standard Edition (2016): 2 Cores

Total, per edition:
Standard Edition:   3 Cores

Details, per Server/Cluster

ServerName:        VMSQL2016
Edition:           Standard Edition
MaxVersion:        2016
Licensed Cores:    2
Instances:
VMSQL2016\PRD      Standard Edition (2016, Production)
VMSQL2016\ACC      Standard Edition (2016, Acceptance)
VMSQL2016\TST      Standard Edition (2016, Test)

ServerName:        VMSQL2008
Edition:           Standard Edition
MaxVersion:        2008
Licensed Cores:    1
Instances:
VMSQL2008\TST      Standard Edition (2008, Test)
VMSQL2008\ACC      Standard Edition (2008, Acceptance)
VMSQL2008\PRD      Standard Edition (2008, Production)
```

7.2 Per Server/Application

This report is an easy and flexible way to see how many SQL Server Licenses you are actually using and figure out which ratio should be charged to each Application.

ServerName	Domain	Environments	IPAddress	Cluster	Tag1	Tag2	Mem(MB)	Cores	LicCores
ATSTSQL19	GOS-A	Tst, Acc, Prd	10.10.30.52				2.047	2	4
ATSTSQL2201	GOS-A	Prd	10.10.30.61	ATSTSQL22FC			2.047	2	4
ATSTSQL2202	GOS-A	Prd	10.10.30.62	ATSTSQL22FC			2.047	2	4
BTSTSQL19	GOS-B	Tst, Acc, Prd	10.20.30.51				2.047	2	4
BTSTSQL22	GOS-B	Tst, Acc, Prd	10.20.30.52				2.047	2	4

The Number of Licensed Cores are based on the setting in the Servers.
(Admin->Infra->Instance-Server-Cluster)

Tab: Excluded Apps

Exclude Applications

Exclude App IsService

Other Apps

You can Exclude Applications when dividing the licensed cores.
The Apps not participating are shown in the Excluded Apps Tab.

Organisation	Unit	Application	IsService
Grip on SQL TST	IT-DBA	DBA-SQL-Stuff	<input checked="" type="checkbox"/>
Grip on SQL TST	IT-DBA	master	<input checked="" type="checkbox"/>
Grip on SQL TST	IT-DBA	model	<input checked="" type="checkbox"/>
Grip on SQL TST	IT-DBA	msdb	<input checked="" type="checkbox"/>
Grip on SQL TST	IT-DBA	NT-SERVICE	<input checked="" type="checkbox"/>
Grip on SQL TST	IT-DBA	QGrip	<input checked="" type="checkbox"/>
Grip on SQL TST	IT-DBA	Tempdb	<input checked="" type="checkbox"/>
Grip on SQL TST	Sales	OPSY-OldPushy	<input type="checkbox"/>

Tab: Total

Environment	Edition	SQLVersion	LicCores
Production	Enterprise Edition	2022	8
Production	Standard Edition	2019	8
Production	Standard Edition	2022	4

Total of Licensed Cores per Edition/SQL Version

Tab: Total (With User DB)

Environment	Edition	SQLVersion	LicCores
Production	Standard Edition	2019	8
Production	Standard Edition	2022	4

Total of Licensed Cores per Edition/SQL Version with databases belonging to Apps that have **not** been Excluded.

Tab: Total (Without User DB)

Environment	Edition	SQLVersion	LicCores
Production	Enterprise Edition	2022	8

Total of Licensed Cores per Edition/SQL Version with databases belonging to Apps that have been Excluded.

Tab: Per Server

Environment	Domain	Edition	SQLVersion	Server	Cluster	Cores	LicCores	#Instances	#UserDBs
Production	GOS-A	Enterprise Edition	2022	ATSTSQL2201	ATSTSQL22FC	2	4	1	0
Production	GOS-A	Enterprise Edition	2022	ATSTSQL2202	ATSTSQL22FC	2	4	1	0
Production	GOS-A	Standard Edition	2019	ATSTSQL19		2	4	3	6
Production	GOS-B	Standard Edition	2019	BTSTSQL19		2	4	3	9
Production	GOS-B	Standard Edition	2022	BTSTSQL22		2	4	3	9

Overview per server, note that the first 2 rows do not have any UserDBs. All Apps on these servers have been Excluded.

Tab: Per App/Edition

Application	Edition	AppLicCores
MSY-Messy	Standard Edition	4,00
Portia	Standard Edition	4,00
PSH-Pushy	Standard Edition	4,00

Licensed Cores per Application and Edition.

Tab: Per App/Env/Edition/Version

Application	Environment	Edition	SQLVersion	AppLicCores
MSY-Messy	Production	Standard Edition	2019	4,00
Portia	Production	Standard Edition	2022	4,00
PSH-Pushy	Production	Standard Edition	2019	4,00

Licensed Cores per Application/Environment/Edition and SQL Version.

Tab: Per App Details

Application	Environment	Domain	Server	Instance	Edition	SQLVersion	#UserDBs	#AppDBs	LicCores	Ratio	AppLicCores
MSY-Messy	Production	GOS-A	ATSTSQL19	ATSTSQL19\PRD	Standard Edition	2019	6	2	4	0,33	1,33
MSY-Messy	Production	GOS-A	ATSTSQL19	ATSTSQL19\TST	Standard Edition	2019	6	2	4	0,33	1,33
MSY-Messy	Production	GOS-A	ATSTSQL19	ATSTSQL19\ACC	Standard Edition	2019	6	2	4	0,33	1,33
Portia	Production	GOS-B	BTSTSQL22	BTSTSQL22\TST	Standard Edition	2022	9	3	4	0,33	1,33
Portia	Production	GOS-B	BTSTSQL22	BTSTSQL22\ACC	Standard Edition	2022	9	3	4	0,33	1,33
Portia	Production	GOS-B	BTSTSQL22	BTSTSQL22\PRD	Standard Edition	2022	9	3	4	0,33	1,33
PSH-Pushy	Production	GOS-B	BTSTSQL19	BTSTSQL19\TST	Standard Edition	2019	9	3	4	0,33	1,33
PSH-Pushy	Production	GOS-B	BTSTSQL19	BTSTSQL19\ACC	Standard Edition	2019	9	3	4	0,33	1,33
PSH-Pushy	Production	GOS-B	BTSTSQL19	BTSTSQL19\PRD	Standard Edition	2019	9	3	4	0,33	1,33

A complete overview that can be used to check that the calculations are correct.

8 Infra-Misc

Some miscellaneous reports that might come in handy.

8.1 Infra-Misc: All Servers

Report: All Servers

All Servers registered in QGrip with available information.

Refresh Close

Name	IPAddress	Domain	Type	Environment	Mem(MB)	Cores	ServerOS
ASHARE01	10.10.10.10	GOS-A	Backup Share Server	Prd			
ATSTQS01	10.10.30.41	GOS-A	QGrip Server	Prd			
ATSTSQL19	10.10.30.52	GOS-A	SQL Server Host	Tst, Acc, Prd	2,047	2	Windows Server 2019 Standard 10.0 <X64> (Build 17763:) (Hypervisor)
ATSTSQL2201	10.10.30.61	GOS-A	SQL Server Host	Prd	2,047	2	Windows Server 2022 Datacenter 10.0 <X64> (Build 20348:) (Hypervisor)
ATSTSQL2202	10.10.30.62	GOS-A	SQL Server Host	Prd	2,047	2	Windows Server 2022 Datacenter 10.0 <X64> (Build 20348:) (Hypervisor)
BSHARE01	10.20.10.10	GOS-B	Backup Share Server	Prd			
BTSTQS01	10.20.30.41	GOS-B	QGrip Server	Prd			
BTSTSQL19	10.20.30.51	GOS-B	SQL Server Host	Tst, Acc, Prd	2,047	2	Windows Server 2019 Standard 10.0 <X64> (Build 17763:) (Hypervisor)
BTSTSQL22	10.20.30.52	GOS-B	SQL Server Host	Tst, Acc, Prd	2,047	2	Windows Server 2022 Datacenter 10.0 <X64> (Build 20348:) (Hypervisor)

9 rows

All Servers registered in QGrip with available information.

8.2 Infra-Misc: Connecting Clients

Report: Connecting Clients

All Connecting Clients registered in QGrip with available information.

Refresh Close

Application	Environment	Domain	Instance	Database	Client	ClientType	LastLogin	LastActive
DBA-SQL_Staff	Production	GOS-A	ATSTSQL2201\PRD1	DONOTUSE1	ATSTSQL2201	SQLServerHost	2024-04-16 09:24	2024-04-16 09:24
master	Acceptance	GOS-A	ATSTSQL19\ACC	master	ATSTSQL19	SQLServerHost	2024-04-16 08:50	2024-04-16 08:54
master	Acceptance	GOS-B	BTSTSQL19\ACC	master	BTSTQS01	QGripServer	2024-04-15 20:00	2024-04-15 20:00
master	Acceptance	GOS-B	BTSTSQL19\ACC	master	BTSTSQL19	SQLServerHost	2024-04-16 04:56	2024-04-16 05:00
master	Acceptance	GOS-B	BTSTSQL22\ACC	master	BTSTQS01	QGripServer	2024-04-14 17:00	2024-04-14 17:00
master	Acceptance	GOS-B	BTSTSQL22\ACC	master	BTSTSQL22	SQLServerHost	2024-04-16 04:55	2024-04-16 05:00
master	Production	GOS-A	ATSTSQL19\PRD	master	ATSTQS01	QGripServer	2024-04-15 08:29	2024-04-16 04:59
master	Production	GOS-A	ATSTSQL19\PRD	master	ATSTSQL19	SQLServerHost	2024-04-16 04:59	2024-04-16 04:59
master	Production	GOS-A	ATSTSQL2201\PRD1	master	ATSTQS01	QGripServer	2024-04-16 11:18	2024-04-16 12:59
master	Production	GOS-A	ATSTSQL2201\PRD1	master	ATSTSQL2201	SQLServerHost	2024-04-16 12:55	2024-04-16 12:59
master	Production	GOS-A	ATSTSQL2202\PRD2	master	ATSTQS01	QGripServer	2024-04-04 07:45	2024-04-04 07:46
master	Production	GOS-A	ATSTSQL2202\PRD2	master	ATSTSQL2202	SQLServerHost	2024-04-16 12:55	2024-04-16 12:59

92 rows

All Connecting Clients registered in QGrip with available information.

8.3 Infra-Misc: QGrip Identity Columns

Report: QGrip Identity Columns

When [PctUsed] is exceeding 50% for a row, contact Grip on SQL B.V.

PctUsed	Table	Column	Data Type	Seed	Incr	Last Value	Max Value	Remaining
0.00	[App-Api].[DatabaseAction]	[DatabaseActionID]	int	1	1	1002	2147483647	2147482641
0.00	[App-Api].[DatabaseActionCall]	[DatabaseActionCallID]	int	1	1	1005	2147483647	2147482641
0.00	[Charge].[ChargeJobDetail]	[ChargeJobDetailID]	bigint	1	1	60099	9223372036854775807	9223372036854775807
0.00	[Charge].[ChargeTotal]	[ChargeTotalID]	bigint	1	1	19	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceEnvCluster]	[PriceEnvClusterID]	bigint	1	1	6	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceEnvDatabase]	[PriceEnvDatabaseID]	bigint	1	1	6	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceEnvInstance]	[PriceEnvInstanceID]	bigint	1	1	6	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceEnvJob]	[PriceEnvJobID]	bigint	1	1	6	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceEnvLogin]	[PriceEnvLoginID]	bigint	1	1	6	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceFactorVersionOS]	[PriceFactorVersionOSID]	bigint	1	1	30063	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceFactorVersionSQL]	[PriceFactorVersionSQLID]	bigint	1	1	30063	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceGlobalBackupStorage]	[PriceGlobalBackupStorageID]	bigint	1	1	1	9223372036854775807	9223372036854775807
0.00	[Charge].[PriceGlobalLicenseOS]	[PriceGlobalLicenseOSID]	bigint	1	1	30063	9223372036854775807	9223372036854775807

225 rows

The QGrip Database uses Identity Columns. This report shows per table the remaining records that can be inserted. If the percentage used is exceeding 50 % you should contact Grip on SQL BV.

9 Infra-Inconsistencies

These Reports are meant to help you find flaws in your SQL Server Environment.

9.1 Infra-Inconsistencies: Databases

Reports - Databases
DBOwner <> [sa] (SUSER_NAME(1))
DATA File = Unlimited
LOG File = Unlimited
Instance Version <> Database Version

Report: Databases

Report: DBOwner <> [sa] (SUSER_NAME(1))

Application	Environment	Domain	Instance	Version	Database	Specifics
DBA-SQL-Stuff	Production	GOS-A	ATSTSQL2201\PRD1	2022	DONOTUSE	DBOwner = [GOS-A]\Dan_Admin
DBA-SQL-Stuff	Production	GOS-A	ATSTSQL2202\PRD2	2022	DONOTUSE1	DBOwner = [GOS-A]\Dan_Admin
OPSY-OldPushy	Test	GOS-B	BTSTSQL19\TST	2019	TestEncryption_T	DBOwner not set

3 rows

9.2 Infra-Inconsistencies: Logins

Reports - Logins
[sa] (SUSER_NAME(1)) <> Disabled
Login = Disabled
Login ServerRole = SYSADMIN
Login ServerRole <> SYSADMIN
Login Enforce Password Policy = OFF
Login Password Date > 6 months ago
Login Password Date > 1 year ago

Login Password Date > 2 years ago

Login Password Date > 3 years ago

Application	Environment	Domain	Instance	Version	Login	Specifics
PSH-Pushy	Test	GOS-B	BTSTSQL19\TST	2019	SQL_PSH_T_Pushy_AppUser	Login Password Date = 2021-08-04
PSH-Pushy	Acceptance	GOS-B	BTSTSQL19\ACC	2019	SQL_PSH_A_Pushy_AppUser	Login Password Date = 2021-08-04
PSH-Pushy	Production	GOS-B	BTSTSQL19\PRD	2019	SQL_PSH_P_Pushy_AppUser	Login Password Date = 2021-08-04

3 rows

9.3 Infra-Inconsistencies: Database Users

Reports – Database Users

Database User SID <> Login SID

Database User = Orphaned

Database User = dbo

Database User = Disabled

Application	Environment	Domain	Instance	Version	Database	Login	Database User	Specifics
DBA-SQL-Stuff	Production	GOS-A	ATSTSQL2201\PRD1	2022	DONOTUSE	GOS-A\Dan_Admin	dbo	Database User = dbo
DBA-SQL-Stuff	Production	GOS-A	ATSTSQL2201\PRD1	2022	DONOTUSE1	GOS-A\Dan_Admin	dbo	Database User = dbo
DBA-SQL-Stuff	Production	GOS-A	ATSTSQL2202\PRD2	2022	DONOTUSE	GOS-A\Dan_Admin	dbo	Database User = dbo
DBA-SQL-Stuff	Production	GOS-A	ATSTSQL2202\PRD2	2022	DONOTUSE1	GOS-A\Dan_Admin	dbo	Database User = dbo
OPSY-OldPushy	Test	GOS-B	BTSTSQL19\TST	2019	TestEncryption_T		dbo	Database User = dbo

5 rows

10 Decommissioned

Reports when objects/components have been Decommissioned.

10.1 Decommissioned: SQL Infra

DeletedDate	DeletedBy	Domain	Environment	InstanceName	PortNumber	FullVersion	Edition	Collation
2024-04-04 09:54	GOS-A\Dan_Admin	GOS-A	Production	ATSTSQL12\PRD	1460	11.0.7001.0	Standard Edition (64-bit)	SQL_Lat
2024-04-04 09:54	GOS-A\Dan_Admin	GOS-A	Test	ATSTSQL12\TST	1440	11.0.7001.0	Standard Edition (64-bit)	SQL_Lat
2024-04-04 09:53	GOS-A\Dan_Admin	GOS-A	Acceptance	ATSTSQL12\ACC	1450	11.0.7001.0	Standard Edition (64-bit)	SQL_Lat

3 rows

10.2 Decommissioned: QGrip Infra

Report: Decommissioned QGrip-Infra

Decommissioned Components: QGripLogins

Decommission Period: Begin 2023-04-16 06:00 End 2024-04-16 16:29

Decommissioned QGrip-Infra

DeletedDate	DeletedBy	LoginName	LoginCategory	LoginType	DatabaseRole	PasswordLength
2024-04-04 07:45	GOS-A\TST_gMSA_QGrip\$	QGripSQLInstall	QGripSQLInstall	SQL_LOGIN	RoleQGripSQLInstallUser	16

1 rows

10.3 Decommissioned: Applications

Report: Decommissioned Application

Decommissioned Components: Apps

Decommission Period: Begin 2023-04-16 06:00 End 2024-04-16 16:32

Decommissioned Application

DeletedDate	DeletedBy	AppName	AppKey	DisplayName
2024-04-16 14:32	GOS-A\Dan_Admin	Dropped	Dropped	Dropped

1 rows

11 Instance-Errorlog

QGrip can scan the SQL Server Errorlog on all Instances. This is done during the Discover and SystemUsage jobs. You need to add Search-Patterns for the strings that you want to scan the Errorlogs for. If there these strings are found, you will receive a Warning:

- X messages in Instance-Errorlog (Report)

11.1 Search-Patterns

Instance Errorlog: Pattern

Define patterns/strings for which the Instance-Errorlog should be scanned.

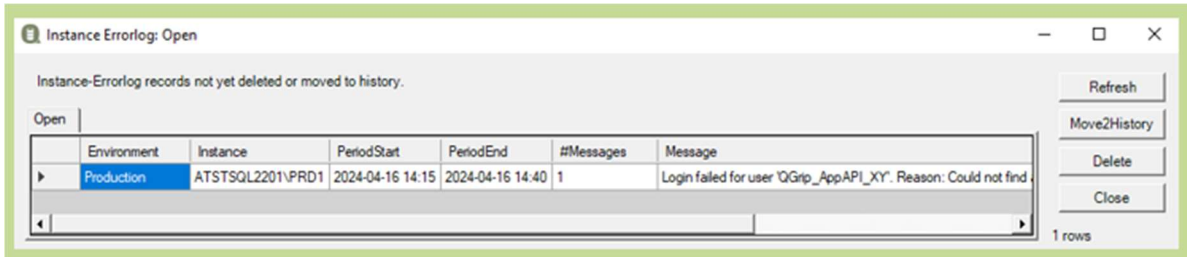
Pattern

Pattern	ModifiedBy	ModifiedDate
Login failed	GOS-A\Dan_Admin	2024-04-16 14:40

1 rows

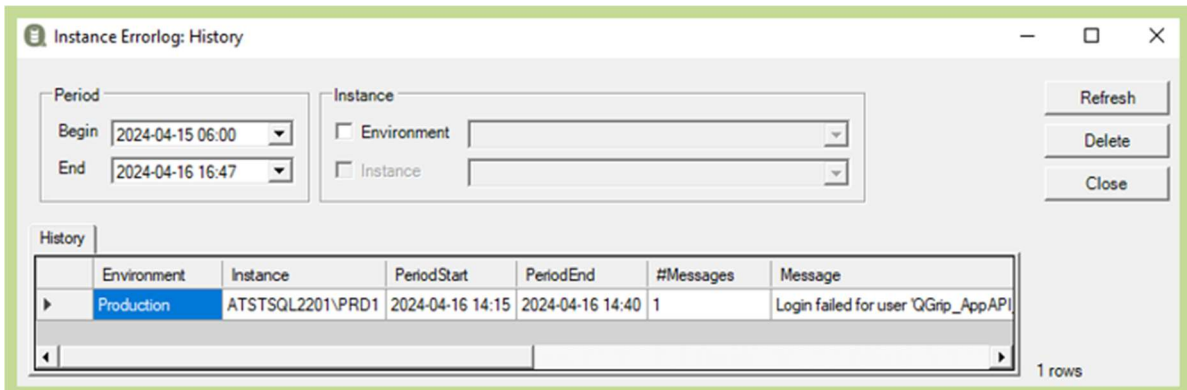
Use New, Edit or Delete to change the selection of Search-Patterns. Do only add Patterns that are relevant.

11.2 Open Messages



The Warning will not go away until the Open Message window is empty. You can either delete the records or Move2History. Do only Move2History if it is a relevant error message.

11.3 History



Report showing the Errorlog messages that have been Move2History. Try to once in a while, go back in time, and cleanup the History and delete the old records.