

English User Manual

Copyright © (1990-2022) SW-Tools ApS Duevej 23 DK-2680 Solrød Strand Denmark Phone: +45) 33 33 05 56 Mail: swtools@swtools.com www: www.swtools.com

User Administation

22/11/01 / 2022-09-01 008.384

Contents

Contents	
1. USER Administration	
1.1. Setup	
1.2. Creating a user	6
1.2.1. Amending the user informations	8
1.2.2. Deleting a user	9
1.3. Starting TRIO with user administation active	10
1.3.1. TRIO programs started from a Windows icon	11
1.3.2. CHAIN to another module	12
1.4. User permissions	
1.4.1. GRANT and REVOKE access	14
1.5. REVOKE permission from a user	
1.6. User Groups	18
1.7. GRANT permissions for a user	19
1.7.1. Function permission	20
1.7.2. Program permissions	
1.7.2.1. CHAIN to a program	22
1.7.3. File permissions	
1.7.4. Read/Write permissions	25
1.7.5. Create permissions	27
1.7.6. Field permissions	29
1.7.6.1. Index fields	31
1.7.6.2. File connections	32
1.7.6.3. Field write permissions	33
1.8. Using Subsystems	
1.8.1. Permission files	
1.8.2. The Dependency listbox	37
1.8.2.1. Module dependency	
1.9. The users HOME path, main SYSTEM setup	40
1.10. The FDF file definition module	
1.11. External user DLL functions	42
1.12. User defined fields in the user system file	43
1.13. USERINFO function	
1.14. The SW-Tools ODBC Driver	45
2. Report start control and statistics	46
2.1. Summary statistic of last 100 runs	
2.1.1. Start time, End time, Run time and Time used	
2.1.2. Totals and Average time	
2.2. Entry details	51
2.3. Report documentation and the display menu	
2.3.1. Start ALL statistic	
3. Report jobqueues	
3.1. Defining a new gueue	
3.1.1. The default queuenumber and queue activation flag	
3.2. The Queue and OK buttons	
3.2.1. The job priority	
3.3. Starting a queue	
3.3.1. Queues of Queues	
3.4. Deleting / Copying / Documenting a queue	
3.5. Amending the queue entries	
3.5.1. The STATUS field, Deleting a job	
Figure list	

Index

1. USER Administration

The user administation may be used for two different purposes:

Restricting use of files/programs individually
Creating different program systems without use of subsystems

By installation of TRIO a new icon will be added to the Windows desktop:



1. The user administation icon

When you select this the following menu will be shown:

- User Admir	nistration			×
<u>F</u> ile				
SW - © 1998 5W-Too	Tools			
<u>S</u> etup	Users	Permissions	<u>0</u> K	<u>Cancel</u>
h	4			

2. The user administation menu

1.1. Setup

The first thing to be done is to activate the user administation with the SETUP button:

sword file	×
c:\swtools	
ΟΚ	Cancel
	c:\swtools

3. The user administation setup

where you should give a path for the password file (PASSWD.USE). A good suggestion could be the directory where you installed TRIO.

When this path is present the user administration is active, you may later deactivate it just by removing the path by blanking it out.

NOTE: Do not just delete the PASSWD.USE file as the system will threat this as an attempt of unauthorised access to the system and act as no users are present at all.

1.2. Creating a user

Next step is to create one or more users by selecting the USER from the menu:

- User Adm	inistration		×
<u>F</u> ile			
CW.			
011	. In nta week		
© 1998 SW-To	ols ApS		
<u>S</u> etup	Users Permissions	<u>0</u> K	Cancel

4. Selecting maintenance of users

which gives you the following dialog:

User information	X
Eile	
User	
1=super 2=user	Userid super
	Password
	Group 1
	Revoke 0=Grant access
	Home
	Remark
	Remark
	<u>New</u> <u>OK</u> <u>Cancel</u>

5. Maintenance of users

You notice that to users are created by installation:

superA superuser allowed to change passwords and permissionsuserA sample user

The first thing to be done is to create your own user by click on the NEW button:

User inform	nation		×
<u>F</u> ile			
User			
1=super 2=user		Useric	New
3=New	100 A	ue identification o s, must be given b	
	4 	Revoke Home Remark Remark	0=Grant access
	[<u>New</u>	<u>O</u> K <u>C</u> ancel

6. Creating a new user

Which gives you a new entry in the users file whereafter you may modify the user name / password informations.

Note that when you move the cursor over the leading text for the fields a short help description is shown for each field.

Try creating a user like:

User information		×
<u>F</u> ile		
User		
1=super 2=user	Userid	Ме
3=New	Password	Му
	Group	47
	Revoke	1=Revoke access 💌
	Home	
	Remark	My first user
	Remark	
	<u>N</u> ew (<u>K</u> <u>Cancel</u>

7. A sample user

click OK and leave the user administration system by OK again.

You should note that both the user name and password are case sensitive.

Be careful to remember the user/password for the superuser if you intend to change these.

1.2.1. Amending the user informations

Just select the user from the listbox, amend the informations and click OK.

1.2.2. Deleting a user

Select the user from the listbox and press the DEL or BACKSPACE key.

1.3. Starting TRIO with user administation active

Now when you starts any of the TRIO products the following dialog is active before you are let in:

🏟 Login to TRIO USE			×
	License number:	99999999	
	Distributor:	99999999	
SW-look	Installation date:	9601	
3 M - 10013	Туре:	Ch/	
@ 1998 SW-Tools ApS	Version:	007.000	
SV	V-Tools		
User name	super		
Password			
		<u>o</u> k	<u>C</u> ancel

8. The logon dialog

You cannot use any TRIO program without first logging in. However for your convenience the last login user and password will be remembered by next login so you just have to click OK. If you login with as superuser all TRIO programs will function just as before user administation was created. The superuser is allowed everything and has by default no special system setup.

1.3.1. TRIO programs started from a Windows icon

The windows icon to start report 15 in subsystem 6 may call up the program:

c:\swtools\rapwin.exe 6015

After activating the user administation you will also have to login when selecting such program. The login informations may be added to the command line:

c:\swtools\rapwin.exe 6015 -uid=Me,My

1.3.2. CHAIN to another module

If you chain one of the TRIO modules eg.RAPWIN from an IQ program, no additional login will be required by start of this.

1.4. User permissions

If you login to RAPGEN with your newly created user Me password My you will have access to all programs for example from the DEMO system. This is due to the REVOKE option we have set on the user.

🖹 001 Article report	💼 🗈 013 Stockvalue report
🖹 002 Supplier report	014 Inactive suppliers
003 Currency report	015 Articles per supplier
004 Article group report	016 Supplier letter
005 Price list	O17 Article list/Select group
🖹 006 Supplier report balance > 500	021 Stockvalue report II
007 Stockvalue report	🖹 022 Margin report II
008 Weighted stockvalue report	O23 Margin report-III
🖹 009 Margin report	024 Margin report-Group totals
010 Balance w. currency exchange	025 Margin report-Group totals II
O11 Price calculation	026 Articles per supplier II
🖹 012 Alternative suppliers	027 Articles per supplier III

9. All reports in the DEMO system are allowed

1.4.1. GRANT and REVOKE access

There are two basically different ways of handle the users:

- GRANT: Nothing is allowed from start, permission must be given - REVOKE: Everything is allowed, permission may be redrawn.

The easy way to administrate a user is to create with the REVOKE option as it will then be able to access all programs until it is allowed to do so. For a user created with the GRANT option he cannot use the system at all until we allow him to do so.

1.5. REVOKE permission from a user

Let us try to reduce the number of reports for our user by selecting the PERMISSION function:

istration			×
Tools			
Users	Permissions	<u>0</u> K	Cancel
	Tools	Tools	Tools IIII

10. Selecting the PERMISSION function

which gives the following dialog:

<u>F</u> ile				
Usergroup	Modules	Subsystems		
1=super 2=user 3=Me	1=FDF File Definitions 2=RAPGEN Reports 3=IQ Inquery Program 4=DATAMASTER Progr 5=ODBC 7=DATAMASTER FDF			
Permission type	Files	CU=Customer file		
0=Files, All fields 1=Fields 2=Programs 3=Subsystems 4=Functions Dependency	00-Calculations an 01=RAPGEN User man 02=IQ User Manual 03=DATAMASTER Use 04=Data-Dictionary 05=SW-Tools ODBC D 06=SW-Tools Licens	GR=Article groups KU=Currency file r LE=Supplier file SY=Systemfields	S	
0=None 1=Module Read/Write	 07=Installation 08=TRIO Release In 09=Chart Object 10=OLE 2.0 Object 			
0=Read 1=ReadWrite		Apply	<u>0</u> K	Cancel

11. Permission dialog

The dialog consist of a number of listboxes corresponding to the resources we have got in the system and we should now first select the resources we want by clicking on:

Usergroup: Module: Permission f Programs: User permissions File		ports e desired programs	×
Usergroup	Modules	Subsystems	
1=super 2=user 3=Me	1=FDF File Definition 2=RAPGEN Reports 3=IQ Inquery Progra 4=DATAMASTER Pro 5=ODBC 7=DATAMASTER FD	m • gi	
Permission type 0=Files, All fields	Programs 1=Article report	11=Price calculati	24=Margin report-G
1=Fields	2=Supplier report	12=Alternative sup	25=Margin report-G
2=Programs	3=Currency report	13=Stockvalue repo	26=Articles per su
3=Subsystems	4=Article group r	14=Inactive suppli	27=Articles per su
4=Functions	5=Price list	15=Articles per su	
	6=Supplier report 7=Stockvalue repo	16=Supplier letter 17=Article list/Se	
•			
0=None	8=Weighted stocky	21=Stockvalue repo	
Dependency O=None 1=Module	 8=Weighted stocky 9=Margin report 	21=Stockvalue repo 22=Margin report l	
0=None	8=Weighted stocky	21=Stockvalue repo	
D=None 1=Module	 8=Weighted stocky 9=Margin report 	21=Stockvalue repo 22=Margin report l 23=Margin report-l	● OK Cancel

12. Revoking access from the testuser

You select a program by click on this, more consecutive programs by holding down the SHIFT key by the click, and more individual programs by use of the CTRL key.

NOTE that the permissions are unchanged until you activate the selections by click on the APPLY button.

After this we can select OK and leave the user administation and login to RAPGEN with our test user where the menu is reduced:

≫ Reports	
O01 Article report	
🖹 002 Supplier report	
🖹 006 Supplier report balance > 500	
🖹 007 Stockvalue report	
021 Stockvalue report II	
🖹 022 Margin report II	
024 Margin report-Group totals	
🖹 025 Margin report-Group totals II	
🖹 026 Articles per supplier II	
🖹 027 Articles per supplier III	

13. The updated RAPGEN program menu

1.6. User Groups

Note than when you select a USER from the usergroup listbox the permissions you grant or revoke are not only for the individual user but for all users created with the same group number.

This means if you create another user with groupno. 47 as the testuser Me/My he will become the same set of permissions. You must differentiate the groups to make different permissions. Users in group 1 all becomes SUPERUSERs with permission to everything, users in group 0 has no permissions at all which may be used to temporarily disable a user without changing the permissions.

1.7. GRANT permissions for a user

If we have a look on the second user created by default:

File		
the second s		
User		
1=super 2=user	Jserid user	
3=Me ^h	Password Group 2 Revoke D=Grant access Iome Remark	

14. The default <user> created by installation.

This user is created in group 2 with GRANT access.

If you try to login to TRIO with username user and no password you will just be thrown out, permissions must be granted for everything before the user can do anything. Let us have a look on what to set up to make use of RAPGEN:

1.7.1. Function permission

We have to tell that the user may use RAPGEN by selecting:

Usergroup:	2 user
Module:	2 RAPGEN reports
Permission type:	4 Functions
Functions:	1 Module allowed

User permissions				×
<u>F</u> ile				
Usergroup	Modules			
1=super 2=user 3=Me	1=FDF File Definitions 2=RAPGEN Reports 3=IQ Inquery Program 4=DATAMASTER Program 5=ODBC 7=DATAMASTER FDF			
Permission type 0=Files, All fields 1=Fields 2=Programs 3=Subsystems 4=Functions	Functions 1=Module allowed			
Dependency 0=None 1=Module Read/Write 0=Read 1=ReadWrite	All None	Apply 💦	<u>o</u> k	<u>C</u> ancel

15. RAPGEN Function permission

The permission for the functions are separated in READ/WRITE/CREATE.

A user with FUNCTION-READ can start a program but cannot amend it, just as if -nl was used from the WINDOWS icon for nologo start. This may be used for REVOKE users to block all program amendments.

MODULE-WRITE causes amendments of programs to be possible but no definition of new programs. This may especially be used to block the IQ new program function.

MODULE-CREATE causes creation/deletion of programs to be possible. Preferences and subsystems are accessible only together with MODULE-CREATE.

Note that these restrictions are not implemented for the FDF module, neither in the programmer or the DATAMASTER version, as we suggest that an enduser should have absolute no access for file definitions at all.

1.7.2. Program permissions

Now the user is allowed to select RAPGEN but also some programs should be permitted:

Usergroup:	2 user
Module:	2 RAPGEN reports
Permission type:	2 Programs
Programs:	The permitted programs

4=DATAMASTER Progi 5=ODBC 7=DATAMASTER FDF Permission type Programs	Usergroup	Modules	Subsystems	
3=Me 3=IQ Inquery Program 4=DATAMASTER Prog 5=0DBC 7=DATAMASTER FDF Permission type Programs 0=Files, All fields 1=Fields 1=Article report 2=Supplier report 11=Price calculati 12=Alternative sup 3=Subsystems 24=Margin report-G 25=Margin report-G 25=Margin report-G 26=Articles per su 27=Articles per su 0=pendency 5=Price list 15=Articles per su 6=Supplier report 16=Supplier letter 7=Stockvalue repo 27=Articles per su 27=Articles per su 0=None None Neighted stocky 21=Stockvalue repo 17=Article list/Se 3=Weighted stocky 1=Module 9=Margin report 22=Margin report 10=Balance w, curr 23=Margin report	1=super	1=FDF File Definitions]
4=DATAMASTER Prog 5=0DBC 7=DATAMASTER FDF Permission type Programs 0=Files, All fields 1=Fields 1=Article report 2=Supplier report 11=Price calculati 12=Alternative sup 3=Currency report 24=Margin report-G 25=Margin report-G 25=Margin report-G 26=Articles per su 26=Articles per su 26=Articles per su 27=Articles per su 27=Articl	2=user	2=RAPGEN Reports		
0=Files, All fields 1=Article report 11=Price calculati 24=Margin report-G 1=Fields 2=Supplier report 12=Alternative sup 25=Margin report-G 2=Programs 3=Currency report 13=Stockvalue repo 26=Articles per su 3=Subsystems 4=Article group r 14=Inactive suppli 27=Articles per su 4=Functions 5=Price list 15=Article sper su 27=Articles per su Dependency 6=Supplier report 16=Supplier letter 7=Stockvalue repo 0=None 6=Weighted stockv 21=Stockvalue repo 21=Stockvalue repo 1=Module 9=Margin report 23=Margin report-I 23=Margin report-I	3=Me	4=DATAMASTER Prog 5=ODBC		
2=Programs 3=Currency report 13=Stockvalue repo 26=Articles per su 3=Subsystems 4=Article group r 14=Inactive suppli 27=Articles per su 4=Functions 5=Price list 15=Articles per su 27=Articles per su Dependency 6=Supplier report 16=Supplier letter 7=Stockvalue repo 0=None 6=Weighted stockv 21=Stockvalue repo 1=Module 9=Margin report 22=Margin report l 10=Balance w, curr 23=Margin report-l	0=Files, All fields	1=Article report	TE THE TO A THE LOT THE TO THE THE THE	 24=Margin report-G
3=Subsystems 4=Article group r 14=Inactive suppli 27=Articles per su 4=Functions 5=Price list 15=Articles per su 27=Articles per su Dependency 6=Supplier report 16=Supplier letter 7=Stockvalue repo 0=None 6=Weighted stockv 21=Stockvalue repo 21=Stockvalue repo 1=Module 9=Margin report 22=Margin report 10=Balance w, curr	34 3 3 3 7 7 5			
4=Functions 5=Price list 15=Articles per su Dependency 6=Supplier report 16=Supplier letter 7=Stockvalue repo 17=Article list/Se 0=None 8=Weighted stockv 21=Stockvalue repo 1=Module 9=Margin report 22=Margin report l 10=Balance w, curr 23=Margin report-l				
Dependency 6=Supplier report 16=Supplier letter 0=None 7=Stockvalue repo 17=Article list/Se 8=Weighted stockv 21=Stockvalue repo 9=Margin report 22=Margin report I 10=Balance w, curr 23=Margin report-I				27=Articles per su
Dependency 7=Stockvalue repo 17=Article list/Se 0=None 8=Weighted stockv 21=Stockvalue repo 1=Module 9=Margin report 22=Margin report I 10=Balance w, curr 23=Margin report-I	4=Functions			
0=None 8=Weighted stocky 21=Stockvalue repo 1=Module 9=Margin report 22=Margin report I 10=Balance w. curr 23=Margin report-I	Dependency			
1=Module 9=Margin report 22=Margin report 1 10=Balance w. curr 23=Margin report-1	0=None		그 같은 아파트를 알려야 한 것 같은 아파트에서 가장 집안에 가지 않는 것 같은 것 같아. 말했다.	
10=Balance w. curr 23=Margin report-l	1=Module			
	D			Í
	Read/write 0=Read	All None		OK Cancel

16. RAPGEN Program permissions

If we now logon as the user we get the permitted programs only.

1.7.2.1. CHAIN to a program

Any CHAIN to another program requires that the user has permission to the chained program also with one exception:

If the user are not allowed to make ANY program changes (FUNCTION-READ only) CHAIN to non-permittet programs will be allowed. This may be used to reduce the enduser menu points by removing chained programs.

1.7.3. File permissions

However, if we try to start or amend one of these we will get an error:



17. RAPGEN selecting a program

We have to permit access to the files involved also:

Usergroup:	2	user
Module:	2	RAPGEN reports
Permission type:	0	Files, All fields
Files:		The permitted files AND the system file SY

File				
Usergroup		Modules	Subsystems	
1=super	-	1=FDF File Definitions		
2=user		2=RAPGEN Reports		
3=Me		3=IQ Inquery Program 4=DATAMASTER Progr 5=ODBC 7=DATAMASTER FDF		
Permission type 0=Files, All fields 1=Fields		Files 00=Calculations an 01=RAPGEN User man	CU=Customer file GB=Article groups	
2=Programs		02=IQ User Manual	KU=Currency file	
3=Subsystems		03=DATAMASTER Use		
4=Functions		04=Data-Dictionary		
Dependency		05=SW-Tools ODBC D 06=SW-Tools Licens		
0=None		07=Installation		
	*	08=TRIO Release In		
1=Module		09=Chart Object		
1=Module Read/Write		10=OLE 2.0 Object		
				ancel

18. Permitting the necessary files

File-IDs consisting of 2-digit numbers are manual files which means you can block out these also.

You must permit access to the system file SY or at least the fields used from this (#DD, #PD and #PP = SY#1-3) as a minimum. In case of no access for these fields all report will print 0 pages (page count not allowed!)

1.7.4. Read/Write permissions

You may have noted that the user above was allowed only to start the permitted reports, the pushbuttons for all modifications are dimmed out.

If he should be allowed to amend these also you must grant WRITE access to these. Granting write access will itself grant read access.

A user may have read access to some reports and he may have write access to a part of these. ser

Usergroup:	2	u
Module:	2	R
Permission type:	2	P:
Read/Write:	1	Re

Programs:

APGEN reports rograms

ssion	type:	2	Ρr
Write	•	1	Re

eadWrite

Select the desired programs

User permissions				
<u>File</u> Usergroup	Modules	Subsystems		
1=super 2=user 3=Me	1=FDF File Definitions 2=RAPGEN Reports 3=IQ Inquery Program 4=DATAMASTER Progr 5=ODBC 7=DATAMASTER FDF			
Permission type 0=Files, All fields	Programs 1=Article report	11=Price calculati	 24=Ma	ırgin report-G
1=Fields	2=Supplier report	12=Alternative sup		rgin report-G
2=Programs	3=Currency report	13=Stockvalue repo		icles per su
3=Subsystems 4=Functions	4=Article group r 5=Price list	14=Inactive suppli 15=Articles per su	27=Art	icles per su
Dependency	6=Supplier report 7=Stockvalue repo	16=Supplier letter 17=Article list/Se		
0=None	8=Weighted stocky	21=Stockvalue repo		
1=Module	9=Margin report	22=Margin report l		
Read/Write	10=Balance w. curr	23=Margin report-l		F
1=ReadWrite				31 31

19. Granting write access for programs

The user is now able to amend report number 1 which means the amendment buttons are active when this report is selected, whereas the buttons changes to be dimmed out when one of the other permitted reports is selected.

NOTE that the user of course must have WRITE permission for the FUNCTION RAPGEN also to be allowed to change any reports.

In the user dialog when you set e.g. WRITE permission you will not in here directly be able to see that READ permission is given automatically also (WRITE allowed causes READ allowed)

This is the case but cannot be done at definition time due to the user may be REVOKE in which case the permissions must be opposite (READ forbidden causes WRITE forbidden).

1.7.5. Create permissions

Up to now we have granted some resources (reports/files) which were present in the system already. If we wants the user also to create his own reports we must grant permission for this also:

Usergroup:	2	user
Module:	2	RAPGEN reports
Permission type:	2	Programs
Read/Write:	2	Create
Programs:		Select the desired unused programs

Sec.	2333 2313	NONER TAX		
Usergroup	Modules	Subsystems		
1=super	1=FDF File Definitions		1	
2=user	2=RAPGEN Reports			
3=Me	3=IQ Inquery Program 4=DATAMASTER Progr 5=ODBC 7=DATAMASTER FDF			
Permission type 0=Files, All fields 1=Fields	Programs 11=Price calculati 12=Alternative sup	21=Stockvalue repo 22=Margin report l	31= 32=	
2=Programs	13=Stockvalue repo	23=Margin report-l	33=	
3=Subsystems	14=Inactive suppli	24=Margin report-G	34=	
4=Functions	15=Articles per su	25=Margin report-G	35=	
Dependency	16=Supplier letter 17=Article list/Se	26=Articles per su 27=Articles per su	36= 37=	
0=None	▲ 18=	28=	38=	
1=Module	▼ 19=	29=	39=	
Read/Write	20=	30=	40=	p
1=ReadWrite 3=Create	All None	Apply	<u>o</u> k	<u>C</u> ancel

20. Granting create permission for programs

When the create option is selected, the unused reports is included in the listbox. After the marking above creation of report 31-35 is possible and the user has got read and write access to the reports also.

lain file	Report no
le Supplier fil va Article file	
Report heading	
User name	
.	- n
Program type © <u>R</u> eport	□ Print zero values
	<u>OK</u> <u>C</u> ancel

21. Defining a new report

If you login as user and try to create reports you will note that the first free report is 31, the report file becomes full when you have used the 5 reports and only the files LE and VA is available.

If you look at the Database field window, only the allowed files will be shown as will the relation between files and the graphic relation diagram will be reduced to the resources permitted.

# 1	Database			
le 1 2 3 4 5	Supplier file Supplier no Name Address Town	VA Supplier==>Articles	Database relations Supplier no LE Supplier file Supplier no 2: Supplier no	Article no Supplier no Article no VA Article file Article no Supplier no
э 6	Currency code Balance			

22. The reduced database window and relation diagram

1.7.6. Field permissions

Above we granted access for complete files to the user. If we first **remove the grant access for all VA-Article file**

we may instead grant access on the field level by selecting:

Usergroup: 2 user	
Module: 2 RAPGEN	reports
Permission type: 1 Fields	
Files: VA the fil	e to specify fields for
Fields: Select	the desired fields

7	20205 20515	0.000 MADE	
Usergroup	Modules	Subsystems	Files
1=super	1=FDF File Definitions		07=Installation
2=user	2=RAPGEN Reports		08=TRIO Release Ir
3=Me	3=IQ Inquery Program		09=Chart Object
	4=DATAMASTER Prog		10=OLE 2.0 Object
	5=0DBC		CU=Customer file
	7=DATAMASTER FDF		GR=Article groups
			KU=Currency file
			LE=Supplier file
			SY=Systemfields
			VA=Article file
Permission type	Fields	- 43	
0=Files, All fields	1=Article no		
1=Fields	2=Description		
2=Programs	3=Selling price		
3=Subsystems	4=Cost price		
4=Functions	5=Date of last pu		
Dependency	6=Supplier no		
	7=Group no		
0=None	 8=Stock balance 	1	
1=Module	9=Alternative sup		
Read/Write	10=Free		
0=Read	All None	Apply	OK Cancel
1=ReadWrite			

23. Reducing the fields permitted for a file

If we after this as user < user> try to run the DEMO report 1 which is already defined with all fields from the file VA we gets the result:

0 [1	1 ² 1 ³ 1 ⁴	15	6 7	18 19	9 10	111	112	13	14	115	116	117	18	19	120
	30 10 D	0	o: de	72	SW-T	ools	0.		32	12	20	0	205	285	12
Date:	24.04.98		* Art	icle re	eport *	161			As	of.	24.0	94.98	Pa	age	1
Article	Description		1	Selling j	price	Cost	price		Date	Supp	<u>01</u>	Alt	Grou	2	Balance
0101	CHOCOLATE				2,00								(D .	100
0102	LARGE MACHINE			200	00,00								5	Э	C
0110	BUS			1000	00,00								2	Z	1
1001	MONEY			10	00,00								(5	100
1005	MACHINE			20	00,00								8	L	10
2001	CREDITCARD			3	20,00								5	Э	10
2002	ID-CARD			100	25,00									Э	200

24. Trying to output all fields from VA with report 1.

which means all referenced fields which are not permitted will become the value of zero by print. No warning or error message is given on this but the forbidden information is left out. If non-permitted fields are used in calculations an error message will be given as the calculation module does not know the field at all and cannot produce any consistent result. If you try to amend the layout for the report it comes like:

1 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		0	11	12	3	4	15	16	17	18	19	110	111	112	113	14	115	16	117	18	119	120
3 3 4 Article Description Selling price Cost price Date Suppl Alt Group	1		i		i	Ũ.,	i.	1	×xx:	xxxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xx	Ti -		i.	. i	i	. I
3 4 Article Description Selling price Cost price Date Suppl Alt Group Balar	2	Date		99.99	.99	11	1	7	Art	icle	repor	t *	1	1	1	As	of.	99.9	99.99	Pa	are	9999
	- 3-	1	house	- Angenerani A	-	موجد المرجمة ا			****	tioni prosecos	ana pananan			n on parton con-	8			44		مستك استهدت		
	- Č-				i	. herene .						····			1222	مسميه		andraa y	in de ser ser		- prove	
	4	Artic	cle	Descr	iptic	n	dian	dhaa	and and	Sellir	ng pric	e	Cost	price	Spence	Date					(2) # (3) E	alan

25. Amending the report layout

1	Article no	11	@Free	16	@Free	21	@Free	26	@Free
2	Description	12	@Free	17	@Free	22	@Free	27	@Free
3	Selling price	13	@Free	18	@Free	23	@Free	28	@Free
7	Group no	14	@Free	19	@Free	24	@Free	29	@Free
8	Stock balance	15	@Free	20	@Free	25	@Free	30	@Free

26. The database windows by amending the report layout

The non-permitted fields cannot selected from the database window as they are left out completely and should they be present anyway in the layout they are just shown as the field reference, not even the name or format are available.

1.7.6.1. Index fields

You must note that an index may not work properly if the user does not have read access for all fields which are part of the index.

In the above example there is no read access for the supplier number of the article file which is the first part of index 2. This means that starting a report using index 2 of the file will not be sorted according to the supplier number but somehow else dependent on the database interface used.

1.7.6.2. File connections

Also in case of file connections all involved fields in the connection must have been granted read access or the connection will not work.

If a program has connection to a file which has no read permission the program may not produce any output at all as all files cannot be opened.

1.7.6.3. Field write permissions

Be extremely careful if file update is used and you do grant read access but not write access to all fields in the files being updated.

In this case only the fields permitted will be written back to the file.

1.8. Using Subsystems

If you have created subsystems these will be shown in the subsystem listbox and you should select one of these:

User permissions		×
<u>F</u> ile		
Usergroup	Modules	
1=super	1=FDF File Definitions	
2=user	2=RAPGEN Reports	
3=Me	3=IQ Inquery Program 4=DATAMASTER Progr 5=ODBC 7=DATAMASTER FDF	
Permission type	Subsystems	
0=Files, All fields	0=Mainsystem	
1=Fields	1=Montly reports	
2=Programs	2=Company 2 repor	
3=Subsystems		
4=Functions		
Dependency		
0=None		
1=Module	×	
Read/Write		
0=Read 1=ReadWrite	All None Apply	<u>O</u> K <u>C</u> ancel

27. Subsystem selection listbox

Also you must grant permission to use the subsystem as such:

Usergroup:	2	user
Module:	2	RAPGEN reports
Permission type:	4	Subsystems
Subsystems:		Select the desired subsystems

<u>F</u> ile			
Usergroup	Modules	Subsystems	
1=super	1=FDF File Definitions	0=Mainsystem	
2=user	2=RAPGEN Reports	1=Montly reports	
3=Me	3=IQ Inquery Program 4=DATAMASTER Progr 5=ODBC 7=DATAMASTER FDF	2=Company 2 reports	
Permission type 0=Files, All fields	Programs 1=Article report	11=Price calculati	24=Margin report-G
1=Fields	2=Supplier report	12=Alternative sup	25=Margin report-G
2=Programs	3=Currency report	13=Stockvalue repo	26=Articles per su
3=Subsystems	4=Article group r	14=Inactive suppli	27=Articles per su
4=Functions	5=Price list	15=Articles per su	31=Article file
Dependency	6=Supplier report 7=Stockvalue repo	16=Supplier letter 17=Article list/Se	
0=None	8=Weighted stocky	21=Stockvalue repo	
1=Module	9=Margin report	22=Margin report l	
	10=Balance w. curr	23=Margin report-l	
Read/Write	4		

28. Subsystem permissions

1.8.1. Permission files

The permissions are stored, xxxx being the usergroup number, in:

programpath\DMxxxx.USE Report program permissions programpath\IQxxxx.USE IQ/DATAMASTER program permissions filedefpath\DDxxxx.USE File/Field permissions

This means in the above example where a subsystem has been created for company 2 using the same reports as the main system, just the company number is different, will give same access rights for the reports in the two subsystems.



29. Equal reports permission in the two subsystems due to same USEfile

1.8.2. The Dependency listbox

In such case you may make the permissions dependent on the subsystem by use of the dependency listbox. If we want a selector like:



30. The report selector with individual subsystem permissions

We will first have to

remove the program permissions granted with dependency NONE and then create the permissions for each subsystem.

CII	create the permission	13 10	Ji each subsystem
	Usergroup:	2	user
	Module:	2	RAPGEN reports
	Subsystem:	2	Company 2
	Permission type:	2	Programs
	Dependency:	2	Subsystem

<u>F</u> ile			
Jsergroup	Modules	Subsystems	
1=super	1=FDF File Definitions	0=Mainsystem	1
2=user	2=RAPGEN Reports	1=Montly reports	
3=Me	3=IQ Inquery Program 4=DATAMASTER Progr 5=ODBC 7=DATAMASTER FDF	2=Company 2 reports	
Permission type	Programs 1=Article report	11=Price calculati	24=Margin report-G
U=FIIES, All TIEIDS		II -I IICC Calculat	La margin report o
행동 문제 안동 양동안은 방법이는 영향 안경이라. 201		12=Alternative sup	
1=Fields	2=Supplier report 3=Currency report	- 김 아님은 아이에게 다양한 아이들 집에 가지?	
1=Fields 2=Programs	2=Supplier report	12=Alternative sup	25=Margin report-G
0=Files, All fields 1=Fields 2=Programs 3=Subsystems 4=Functions	2=Supplier report 3=Currency report	12=Alternative sup 13=Stockvalue repo	25=Margin report-G 26=Articles per su
1=Fields 2=Programs 3=Subsystems 4=Functions	2=Supplier report 3=Currency report 4=Article group r	12=Alternative sup 13=Stockvalue repo 14=Inactive suppli	25=Margin report-G 26=Articles per su 27=Articles per su
1=Fields 2=Programs 3=Subsystems	2=Supplier report 3=Currency report 4=Article group r 5=Price list 6=Supplier report	12=Alternative sup 13=Stockvalue repo 14=Inactive suppli 15=Articles per su 16=Supplier letter	25=Margin report-G 26=Articles per su 27=Articles per su
1=Fields 2=Programs 3=Subsystems 4=Functions Dependency	2=Supplier report 3=Currency report 4=Article group r 5=Price list 6=Supplier report 7=Stockvalue repo	12=Alternative sup 13=Stockvalue repo 14=Inactive suppli 15=Articles per su 16=Supplier letter 17=Article list/Se	25=Margin report-G 26=Articles per su 27=Articles per su
1=Fields 2=Programs 3=Subsystems 4=Functions Dependency 1=Module	2=Supplier report 3=Currency report 4=Article group r 5=Price list 6=Supplier report 7=Stockvalue repo A=B=Weighted stockv	12=Alternative sup 13=Stockvalue repo 14=Inactive suppli 15=Articles per su 16=Supplier letter 17=Article list/Se 21=Stockvalue repo	25=Margin report-G 26=Articles per su 27=Articles per su

31. Program permissions dependent on subsystem selection

1.8.2.1. Module dependency

In the dependency listbox you will also find the option MODULE dependent and even the combination MODULE & SUBSYSTEM dependent.

In case of programs these are nearly born module dependent as RAPGEN and IQ/DM has quite different program selector but when it comes to files these may be common to all modules.

By selecting module dependency you may define a file to be used with read access in IQ, write access on specific fields in RAPGEN and no access in DATAMASTER.

1.9. The users HOME path, main SYSTEM setup

When you start any program in TRIO from an Windows icon the file RAP.INI containing the preferences setup is read from the path given as current working directory for the icon.

The RAP.INI file is set up with the Preference menu and will define where all other files are placed such as BASIS.SSV for the database interface definitions, FILES.SSV for the file definitions and DMSYSTEM.SSV for subsystems.

This is unchanged as long as you leave the HOME PATH in the user informations blank. But if you create a user like:

User information		X
<u>File</u>		
User		
1=super 2=user	Userid	Navision
3=Me	Password	Financials
4=New	Group	4711
	Revoke	1=Revoke access 💌
	Home	c:\fin
	Remark	
	Remark	
	r v To -	
	<u>N</u> ew <u>(</u>	<u>0</u> K <u>C</u> ancel

32. Specific user home path

the file c:\fin\rap.ini will be used which means this user has a complete own preference and file setup completely independent of all other implementations.

1.10. The FDF file definition module

In general you should be careful with permissions to define files which also include the DATAMASTER file definitions / redefinition module.

It is strongly recommended that users with such rights are either super users or users with REVOKE access only.

The fields / files must of cause have write access and if we took our user and opened the FDF module for the fields selected above, the display would come like:

	No	Name	Format	Byte Layout
×.	1	Article no	4K	xxxx
	2	Description	20	*******
	2 3	Selling price	6,2	999999,99
	4 5 6		ĺ.	
	6			
	7	Group no	2,	99
	8	Stock balance	-6,	-999999
	9		E.	
	10			

33. The FDF module for selected fields

Only the permitted fields can be read / modified and this is in sharp conflict with for example DATAMASTER redefining the complete file.

1.11. External user DLL functions

External DLL functions may be integrated into TRIO using the file definitions 00-99 and will act just as normal fields in these files.

1.12. User defined fields in the user system file

You are allowed to define field 11-17 in the system file US for individual use. When defined these will be placed in the USER creation dialog and will be reachable by the USERINFO function.

1.13. USERINFO function

A userinfo function has been implemented to allow programs to have access to all the user parameters, see description of this.

1.14. The SW-Tools ODBC Driver

When user administration is active you will have to logon to the ODBC driver as well. The start parameters

uid=Me

pwd=My

may be used when connecting to the driver.

2. Report start control and statistics

When user administration is installed each start of a report is recorded in a logfile and displayed by start of the report:

🕼 Start repo	ort - Art	icle report					X
Parameters [Display						
Todays da	te:	25.04.98		Printer:	Screen		•
As of date:		25.04.98			Index:		
Start from:					01:Article no		
Stop at:					02:Supplier no	Ľ	
			0				
			Group 0				
Date	Star	t End	DD	PD	Parameters		
23.04.98	15:2	1-15:21	23.04.98	23.04.98	,,1		
23.04.98	15:2	5-16:11	23.04.98	23.04.98	7032, 7032		191
23.04.98	15:23	3-15:24	23.04.98	23.04.98	7032, 7032		
23.04.98	13:3	4-13:34	23.04.98	23.04.98	, , 1		
23.04.98	13:3	6-13:37	23.04.98	23.04.98			
23.04.98	13:2	7-13:30	23.04.98	23.04.98			
23.04.98	13:0	5-13:05	23.04.98	23.04.98	, , 1, 0		
23.04.98	12:5	7-12:57	22.04.98	22.04.98	8, 8, 1		
23.04.98	12:5	9-12:59	23.04.98	23.04.98			
22.04.98	15:43	2-15:42	22.04.98	22.04.98			
22.04.98	15:3	5-15:42	22.04.98	22.04.98			
7777250005507770			22.04.98	76765065576			02221
22.04.98	15:0	8-15:11	22.84.98	22.04.98		-	
							<u>C</u> ancel

34. Report statistics by start

Each line contains start/end time and the parameters entered by start. By click on the line the parameters used for that specific start will be made ready for the current start.

🐮 Start report - A	rticle report					×
Parameters Display	ξî.					
Todays date:	25.04.98		Printer:	Canon CaPSL		•
As of date:	23.04.98	1		Index:		
Start from:	7032			01:Article no		
Stop at:	7032			02:Supplier no		
	G	roup 0			1	
Date Sta	rt End DD	3 7	PD	Parameters	,	
23.04.98 15:2 23.04.98 15:2				, , 1 7032, 7032		
23.04.98 15:2	23-15:24 23	.04.98	23.04.98	7032, 7032		
23.04.98 13: 23.04.98 13: 23.04.98 13:	36-13:37 23	.04.98	23.04.98	ý, 1 ····		
23.04.98 13:0	05-13:05 23	.04.98	23.04.98			
23.04.98 12:				0, 0, 1		
22.04.98 15:4						
22.04.98 15:3	아님은 요즘가야 안사가 있어?	그는 말을 가 있는 것이다.	TTT-5-9-9-5-7-7			
22.04.98 15:2						
22.04.98 15:	- 15:11 ZZ	- 114 - 98	····		OK	Cancel

35. Repeating last start parameters by click on a line

Dependent of where on the line you make the click different actions are taken:

PARAMETERS will pick up start/stop/data, printer and total level

PD set the above but also the as as of date DD will set todays date also

2.1. Summary statistic of last 100 runs

The logfile is stored in a textfile DM1nnn.LOG on the same directory as the report source file and is set to a maximum of 100 lines which becomes approximately 10 KB for each file. When the report is started more than 100 times the oldest entries will be dropped out from the file. Based on these 100 entries you can get a run statistic by click on:

Licens					×
<u>F</u> ile					
Start date	1998.07.29				
Start time	15:26:17	Total jobs	101		
End time	15:32:40			- SW-	ools
Run time	00:06:23	Total runs	96	@ 1998 SW-Tools	Shade water in the second second second
Time used	00:00:27	Total time	00:22:26	Avg time	00:00:23
Records read	1,062	Total records	67,984	Avg records	708
Pages printed	5	Total pages	320	Avg pages	3
		_			OK Cancel
-				4	

START/ENDTIME the summary run statistic is shown

36. Summary report start statistics

Note the floating field help when you move the cursor over the field texts.

2.1.1. Start time, End time, Run time and Time used

When you click OK to start a report the START date/time is inserted, the other time fields are left blank. This timestamp is refreshed when the report is actually beginning to run, that is when the files are opened.

The END time is set when you close the report display window and the time difference from start to this is stated as RUN time.

As the system may have to wait as you are viewing the report result on screen which would give an incorrect picture of the time used, this waiting time is reduced from the run time giving the real time USED by the cpu.

2.1.2. Totals and Average time

The total JOBS on the statistics gives you the number of lines in the logfile. The total RUNS is the number of jobs which are finished. Based on this and the real time used the average figures is calculated.

2.2. Entry details

For each entry you can get the detailed informations by click on: **STARTDATE the details are shown**

Licens			×
Eile			
Jobno.	963	Todays date	29.07.1998
Start date	29.07.1998	As of date	29.07.1998
Start time	15:02:03		
End time	15:02:08	Start from	
Time used	00:00:04	Stop at	
Records read	1,057		
Pages printed	9	Data 1	1
Status	2=Finished	🚽 Data 2	
Printer	0=Screen	🚽 Data 3	
Index	0=Default	🚽 Data 4	
Total	0=A11	🚽 Data 5	
Descending	0=No	🚽 Data 6	
Priority	50	Data 7	

37. Details for one job

Note the floating field help when you move the cursor over the field texts.

2.3. Report documentation and the display menu

If you have entered documentation for the report this will take preference over the logfile display, however you may

Insert a first BLANK documentation line to get the log displayed With the display menu you can toggle the display of documentation and log.

🚼 Start repo	ort - Article report	e e					×
Parameters	<u>D</u> isplay	-23					
Todays d	Documentation Start of This		Pri	nter:	Canon CaPSL		•
As of date					Index:		
Start from	Queue K Select Queue				01:Article no	_	
Stop at:	[-			02:Supplier no		
	1			100			
		Gro	oup 0]	
Date	Start End	DD	PD		Parameters		
25.04.98	10:41-10:41	1	25.04.98 2	25.04	1.98		
25.04.98	10:41-10:41	1	25.04.98 2	25.04	+.98		-625
25.04.98	10:40-10:40	1	25.04.98 2	25.04	+.98		
25.04.98	10:29-10:29	10	25.04.98 2	25.01	4.98		
25.04.98	10:26-10:26	9	25.04.98 2	25.01	+.98		
25.04.98	10:16-10:16	1	25.04.98 2	25.04	1.98		
24.04.98	16:34-16:41	1	24.04.98 2	24.04	1.98		
24.04.98	16:33-16:34	1	24.04.98 2	24.04	1.98		
24.04.98	16:18-16:18	31	24.04.98 2	24.04	1.98		
24.04.98	16:16-16:16	31	24.04.98 2	24.04	1.98		
24.04.98	16:08	31	24.04.98 2	24.04	1.98		
24.04.98	16:02	31	24.04.98 2	24.04	+.98		
24.64.98	15:56	31	24.04.98 2	24.62	1.98		*
						<u>0</u> K	<u>C</u> ancel

38. The extended DISPLAY menu

2.3.1. Start ALL statistic

By default only start of the selected report is shown but also the last 100 starts of any report in the selected report subsystems may be shown. This statistic is collected in a separate file named DM1000.LOG

3. Report jobqueues

RAPGEN includes a QUEUE facility which you may activate from the display menu by selecting the SELECT QUEUE menupoint which gives the following:

m 🚯			X
<u>F</u> ile			
Queue	9999 New Montly reports Company 2 reports		
		<u>0</u> K	Cancel

39. Selecting a jobqueue

3.1. Defining a new queue

When you select the NEW entry which are present in any of the displayed subsystem you will be given a queue number and prompted for a name:

1111-2017
L 💽
t Queue

40. Defining a new jobqueue

You may have as many queues as you want.

3.1.1. The default queuenumber and queue activation flag

The last queuenumber you have used will be remember and suggested as queuenumber by next queuing attempt.

This is stored as an entry like QUEUE=18 in your RAP.INI file and when this is present the QUEUE button mentioned below will be active on the start screen.

3.2. The Queue and OK buttons

Once you have activated a queue you will get an additional QUEUE button on the start screen:

😺 Start repo	ort - Artic	le report					×
Parameters [<u>D</u> isplay						
Todays dat	te: 2	5.04.98	_ F	^o rinter:	Canon CaPSL		•
As of date:	2	5.04.98			Index:		
Start from:	Ē				01:Article no		
Stop at:	F				02:Supplier no		
			2			-	
		G	roup 0				
Date	Start	End DD	PD		Parameters		
25.04.98	12:42	-	1 25.04.98	25.0	4.98		
					Queue	<u>0</u> K (2)	<u>C</u> ancel

41. The Queue and OK buttons

When you click the queue button you select a queuenumber and may enter some other informations for the job to be inserted:

		1
<u>F</u> ile		
Queue	9999 New Montly reports Company 2 reports	
Jobno.	2	20
Priority	50	
Status	0=Waiting <u>O</u> K <u>C</u> ancel	

42. Inserting a job in the queue

The program is given the next free jobnumber and this will be displayed inside the OK button. This means that when you click on OK(2) the job will be inserted as job number 2.

3.2.1. The job priority

When inserting a job in the queue you may adjust the job priority field. The suggestion for a new job will always be 50, set the priority to a higher number to get the job first in the queue or lower to get is last.

3.3. Starting a queue

A queue is nothing but a normal report and you will later start execution of the queued reports just like you would start any other report.

The queue itself is of cause connected to the report and stored as the textfile DM1xxx.QUE on the report directory.

OO1 Article report	015 Articles per supplier	
002 Supplier report	016 Supplier letter	
003 Currency report	017 Article list/Select group	
🖹 004 Article group report	018 First Queue	
005 Price list	021 Stockvalue report II	13
🖹 006 Supplier report balance > 500	022 Margin report II	
007 Stockvalue report	023 Margin report-III	
008 Weighted stockvalue report	024 Margin report-Group totals	
🖹 009 Margin report	025 Margin report-Group totals II	
1010 Balance w. currency exchange	026 Articles per supplier II	
O11 Price calculation	027 Articles per supplier III	
🖹 012 Alternative suppliers	■ 031 Article file	
013 Stockvalue report	Montly reports	
🖹 014 Inactive suppliers	Company 2 reports	

43. Starting the queue

You note that the queue is marked with a special icon on the report selector.

3.3.1. Queues of Queues

As a queue is threated just like another report you may insert a queue into another queue.

3.4. Deleting / Copying / Documenting a queue

You can delete or copy a queue just like you will do for a normal report and you may also enter documentation for this.

In a matter of fact you are able to select calculations/layout for the queue also but these will just be ignored as the queue program itself is never run.

3.5. Amending the queue entries

When you start a queue you will get the queued jobs displayed just as this was a reports start statistics and by click on the STARTDATE field on a line the details of the job will be displayed as shown in the previus chapter.

Artikelliste <u>F</u> ile				
Jobno.	3	- iii	Todays date	29.07.1998
Start date	31.07.1998	15	As of date	29.07.1998
Start time	07:13:14			
End time	[Start from	
Time used			Stop at	
Records read	[
Pages printed		i.	Data 1	[
Status	0=Waiting	-	Data 2	
Printer	0=Screen	-	Data 3	ſ
Index	0=Default	•	Data 4	
Total	0=All	-	Data 5	ſ
Descending	0=No	•	Data 6	
Priority	50		Data 7	

44. Amending a job in the queue

You may here amend the job start parameters, see also the help description you get when moving the mouse cursor over the fields.

3.5.1. The STATUS field, Deleting a job

With help of the STATUS field you can hold a job from execution or delete it. The field takes the following values:

- 0 = Waiting
- 1 = Running
- 2 = Finished
- 3 = Aborted
- 4 = Hold
- 5 = Deleted

Only jobs with status 0 - waiting will be executed.

Figure list

1. The user administation icon	4
2. The user administation menu	4
3. The user administation setup	5
4. Selecting maintenance of users	6
5. Maintenance of users	6
6. Creating a new user	
7. A sample user	7
8. The logon dialog	
9. All reports in the DEMO system are allowed	
10. Selecting the PERMISSION function	
11. Permission dialog	
12. Revoking access from the testuser	
13. The updated RAPGEN program menu	17
14. The default <user> created by installation</user>	19
15. RAPGEN Function permission	20
16. RAPGEN Program permissions	
17. RAPGEN selecting a program	23
18. Permitting the necessary files	
19. Granting write access for programs	25
20. Granting create permission for programs	27
21. Defining a new report	28
22. The reduced database window and relation diagram	28
23. Reducing the fields permitted for a file	29
24. Trying to output all fields from VA with report 1	30
25. Amending the report layout	
26. The database windows by amending the report layout	
27. Subsystem selection listbox	
28. Subsystem permissions	35
29. Equal reports permission in the two subsystems due to same USE-file	36
30. The report selector with individual subsystem permissions	
31. Program permissions dependent on subsystem selection	38
32. Specific user home path	
33. The FDF module for selected fields	41
34. Report statistics by start	
35. Repeating last start parameters by click on a line	47
36. Summary report start statistics	48
37. Details for one job	51
38. The extended DISPLAY menu	52
39. Selecting a jobqueue	54
40. Defining a new jobqueue	55
41. The Queue and OK buttons	
42. Inserting a job in the queue	58
43. Starting the queue	60
44. Amending a job in the queue	63

Index

В
BASIS
С
CHAIN11;21
D
DATAMASTER19;35;38;40
Dependency36
DISPLAY51;64
DLL41
Driver44
F
FDF19;40;64
G
GRANT
I
Index
IQ11;19;35;38
0
ODBC44

Р
Preferences
Q
Queue56;64
R
RAPGEN
12;15;16;18;19;20;22;24;26;28;33;36;
38;53;64
REVOKE 12;13;14;19;25;40
S
Setup 4
SSV 39
Subsystem 33;34;36;64
Т
TRIO3;4;9;10;11;18;39;41
U
Usergroup 15;19;20;22;24;26;28;33;36
USERINFO
W
WRITE19;24;25