

YSOFT SAFEQ 6 EMBEDDED TERMINAL MIGRATION TOOL

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YSoft SafeQ 6 Embedded Terminal Migration Tool can be downloaded from Partners Portal.

YSoft SafeQ 6 Embedded Terminal Migration Tool allows administrators to easily assign or reassign MFD to YSoft SafeQ site servers when upgrading to YSoft SafeQ 6. Also allows assigning terminals from multiple site servers into one site server or divide terminals from one site server to multiple site servers. Additionally, Embedded Terminals can be reinstalled in bulk when YSoft SafeQ servers upgrade to the version 6 is finished.

Migration process also provide full re-installation of migrated printers.

Assign and reassign MFD is advanced feature. We recommend to use it under GSS supervision.

1 REQUIREMENTS

Windows OS

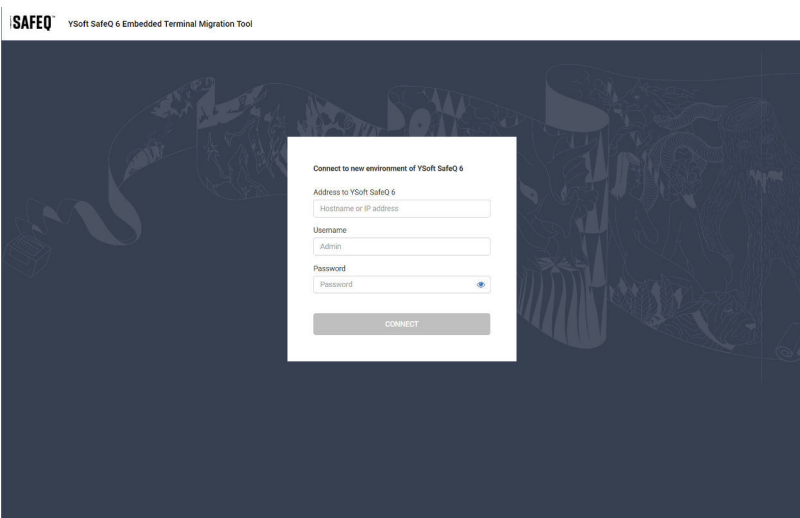
YSoft SafeQ 6 MU16 and newer

User with correct [user rights](#).

2 SCREENS

- Login Screen
- Type of Migration
- Model of migration
 - Add Terminal Servers manually
 - Import Terminal Server from CSV
- Migration screen
 - Migration progress screen
 - Schedule migration screen
 - Change terminal server screen
- Reports screen

3 LOGIN SCREEN



3.1 ADDRESS TO YSOFT SAFEQ 6

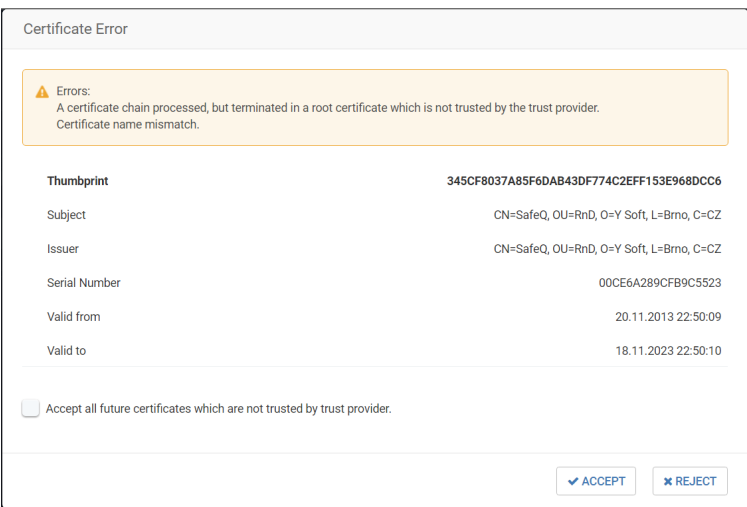
IP address or Hostname of YSoft SafeQ 6 Management.

3.2 USERNAME AND PASSWORD

Credentials of YSoft SafeQ user with all required user rights specified in [Required user rights](#) .

3.3 ACCEPTING CERTIFICATE

All communication is processed by HTTPS protocol. If certificate used in management cannot be trusted then **Certificate error** screen is shown.



User can continue by Accepting not trusted certificate.

4 MIGRATION SCREEN

On this screen user can start migration. Migration can be started pressing **Migrate All** button, **Migrate** button in terminal actions or by scheduled migration.

SAFEQ™ YSoft SafeQ 6 Embedded Terminal Migration Tool

TYPE OF MIGRATION	MODEL OF MIGRATION	MIGRATION
NOT MIGRATED (20)	IN PROGRESS (0)	FAILED (0)
SPOC groups		
MIGRATE ALL SCHEDULE ALL		
All (20)	TERMINAL NAME	IP ADDRESS
Group_3 (20)	KM VM - 13.23	10.0.13.23
Group_1 (0)	KM VM - 13.199	10.0.13.199
Group_2 (0)	KM VM - 13.211	10.0.13.211
	KM VM - 13.25	10.0.13.25
	KM VM - 13.209	10.0.13.209
	KM VM - 13.206	10.0.13.206
	KM VM - 13.192	10.0.13.192
	KM VM - 13.190	10.0.13.190
	KM VM - 13.189	10.0.13.189
	KM VM - 13.210	10.0.13.210
	KM VM - 13.200	10.0.13.200

Terminals are divided into multiple tabs depends on state. This states can be filtered by Spoc group.

SAFEQ™ YSoft SafeQ 6 Embedded Terminal Migration Tool

TYPE OF MIGRATION	MODEL OF MIGRATION	MIGRATION
NOT MIGRATED (0)	IN PROGRESS (0)	FAILED (19)
SPOC groups		
MIGRATE ALL SCHEDULE ALL		
All (19)	TERMINAL NAME	IP ADDRESS
Group_3 (19)	KM VM - 13.23	10.0.13.23
Group_1 (0)	KM VM - 13.199	10.0.13.199
Group_2 (0)	KM VM - 13.211	10.0.13.211
	KM VM - 13.25	10.0.13.25
	KM VM - 13.209	10.0.13.209
	KM VM - 13.206	10.0.13.206
	KM VM - 13.190	10.0.13.190
	KM VM - 13.189	10.0.13.189
	KM VM - 13.210	10.0.13.210
	KM VM - 13.200	10.0.13.200

Migration progress is shown on [Migration progress screen](#).

In the top right corner is button to [Reports screen](#).

4.1 TERMINAL ACTIONS

Terminal actions appears in context menu after pressing  button.

- Migrate now
- ⌚ Schedule migration
- ☰ Change terminal server

4.1.1 MIGRATE NOW

This button start migration of current terminal.

4.1.2 SCHEDULE MIGRATION

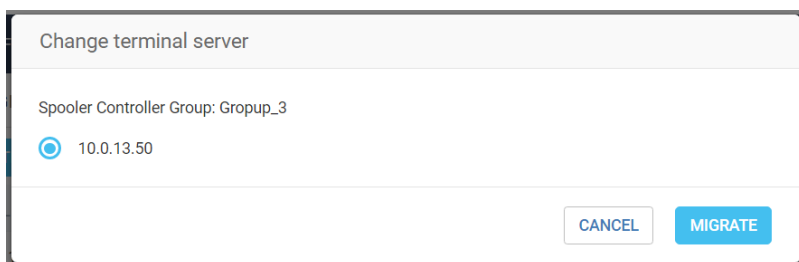
Open [Schedule migration screen](#).

4.1.3 CHANGE TERMINAL SERVER

Open [Change terminal server screen](#).

4.2 CHANGE TERMINAL SERVER SCREEN

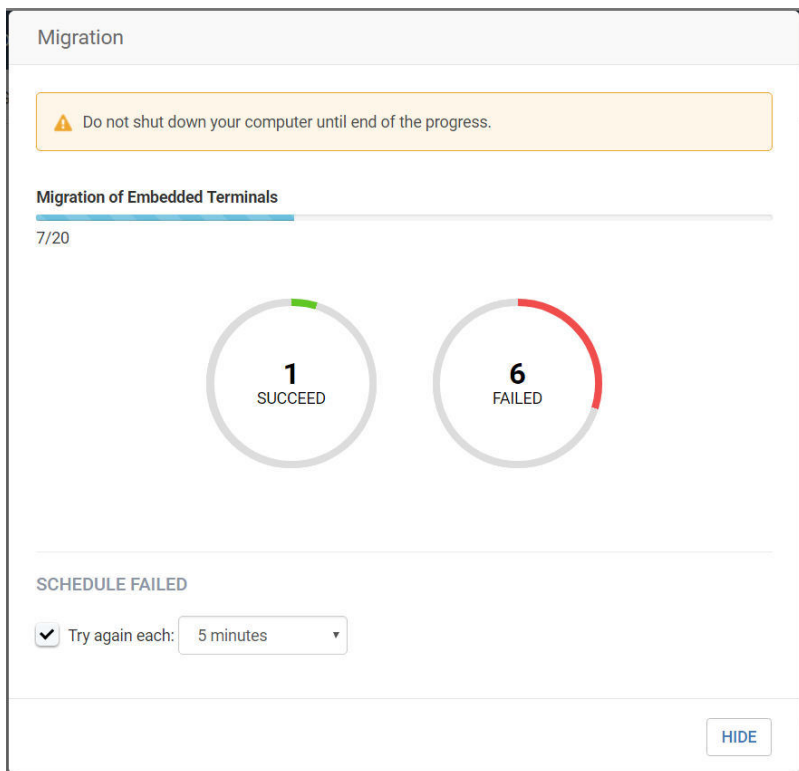
This screen allow assign terminal server and start migration using **Migration screen**.



The screenshot shows a modal dialog titled "Change terminal server". Inside the dialog, there is a label "Spooler Controller Group: Gropup_3". Below this label, there is a radio button selected next to the IP address "10.0.13.50". At the bottom right of the dialog, there are two buttons: "CANCEL" and "MIGRATE".

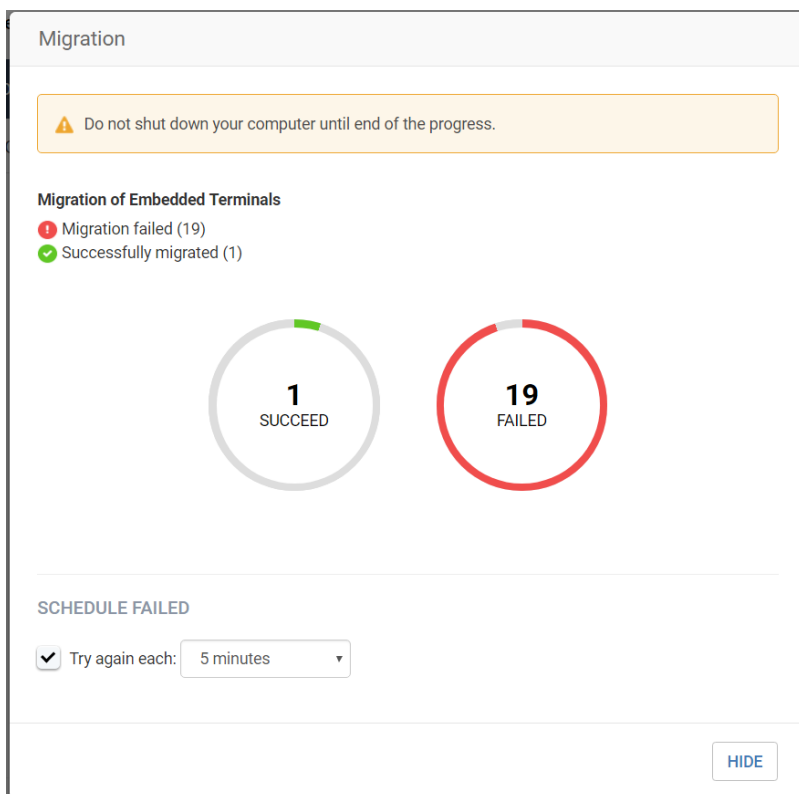
4.3 MIGRATION PROGRESS SCREEN

This modal dialog show progress of migration.



Running migrations are processed by YSoft SafeQ 6 Embedded Terminal Migration Tool. Do not shut down your computer until end of the progress. When application is closed during migration then all migrations in state **In progress** will be moved to state **Failed**.

Report shows all finished migrations.



4.3.1 TRY AGAIN EACH


When enabled then unsuccessful migrations will run again periodically in selected period.

4.4 SCHEDULE MIGRATION SCREEN

This screen allow schedule migration on specified time in specified timezone.


Schedule migration

Start

22-01-2018 15:43 

Time zone

(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna, Belgrade, Bratislava, Budapest, L ▼

 Your Time zone is GTM+1. Start time means 3:43:00 PM for your location.
Make sure the Migration tool will run in that time.

☐ Try again each:

10 minutes ▼

CANCEL

SAVE

4.4.1 TRY AGAIN EACH

When enabled then unsuccessful migrations will run again periodically in selected period.

5 MODEL OF MIGRATION

This screen allow to assign terminals to new target Terminal Servers. User can add new target Terminal Servers and also assign terminals into target Terminal Servers using drag and drop.

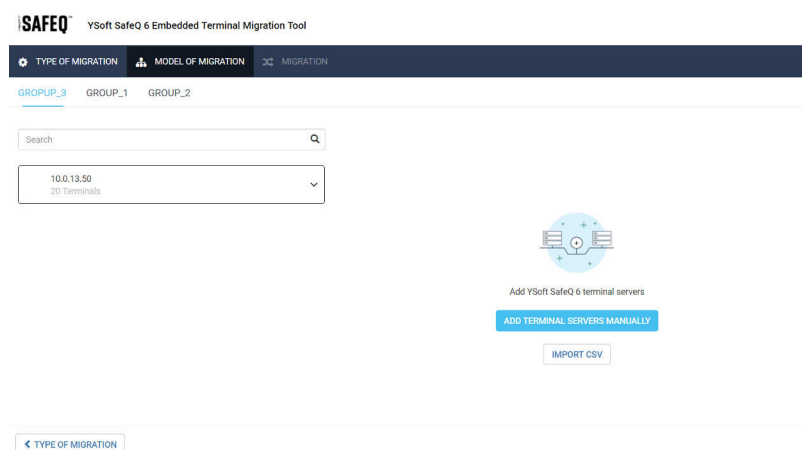
When terminals to migrate all assigned then user can move to next screen using Migration button.

5.1 ASSIGNING TARGET TERMINAL SERVER

Assigning is provided as drag&drop operation. Drag Terminal server from left and place it to Terminal server on right. When terminal is dropped in target Terminal server then source Terminal Server is showed inside target Terminal server. Multiple source Terminal servers can be moved to 1 target Terminal server.

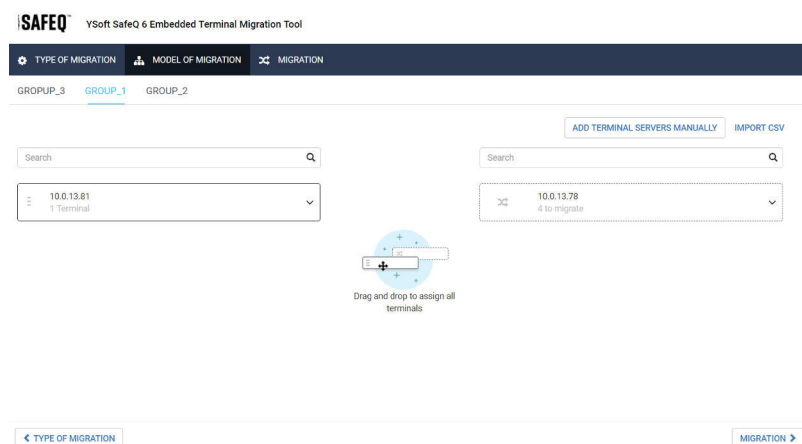
5.2 SCREEN MESSAGES

5.2.1 ADD YSOFT SAFEQ 6 TERMINAL SERVERS



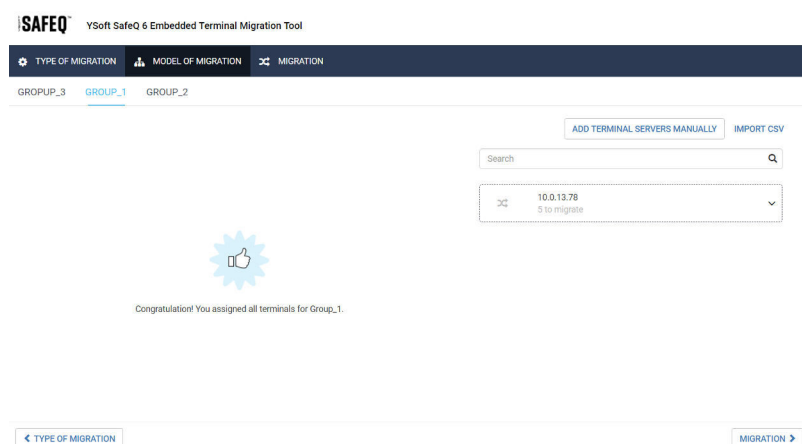
This message is visible when no target Terminal Server exist. This screen is default for "New Servers" option.

5.2.2 DRAG AND DROP TO ASSIGN ALL TERMINALS



This message show user he can assign terminals to Terminal Server using drag and drop.

5.2.3 CONGRATULATION! YOU ASSIGNED ALL TERMINALS



This message inform user he assign all terminals to target Terminal Servers.

5.3 BUTTONS

5.3.1 ADD TERMINAL SERVERS MANUALLY

This button open [Add Terminal Servers manually](#). On this screen can user add target Terminal Servers.

5.3.2 IMPORT CSV

This button allow [import target Terminal Server from CSV file](#).

5.4 ADD TERMINAL SERVERS MANUALLY

This screen allow to add new target Terminal Servers into current Spoc group.

Add YSoft SafeQ terminal servers: Gropup_3

⚠ Adds terminal servers only for Gropup_3.

Hostname or IP Address

10.0.0.1

ADD

Hostname or IP Address

10.32.10.

From

1

To

255

GENERATE

ORDER	HOSTNAME OR IP ADDRESS	STATE
1	10.0.13.78	✔ Ready

CANCEL

SAVE

After adding/generating Terminal Servers state of Terminal Server is checked.

5.4.1 ADD HOSTNAME OR IP ADDRESS

New target Terminal Server will be created.

5.4.2 GENERATE FROM HOSTNAME OR IP ADDRESS

Allow generate sequence of Hostnames or IP addresses.

5.4.3 ACCEPTING CERTIFICATES

When Terminal Server does not have trusted certificate then you have to accept certificate by click on **Accept all** (accept certificate of all added/generated Terminal Servers) or **Accept** button for each Terminal Server separately.

Add YSoft SafeQ terminal servers: Gropup_3

⚠ Adds terminal servers only for Gropup_3.

Hostname or IP Address

10.0.0.1

ADD

Hostname or IP Address

10.32.10.

From

1

To

255

GENERATE

❗ A certificate chain could not be built to a trusted root authority.
Certificate name mismatch.

Terminal servers: 1

✔ ACCEPT ALL

✖ REJECT ALL

ORDER	HOSTNAME OR IP ADDRESS	STATE
1	10.0.13.78	❗ Certificate not trusted

CANCEL

SAVE

5.5 IMPORT TERMINAL SERVER FROM CSV

5.5.1 CSV FORMAT

Columns should be separated by commas.

One file per Spoc Group contains only IP address list

Example:

Terminal Server IP
<10.0.0.1>

One file for all Spoc Groups with two columns

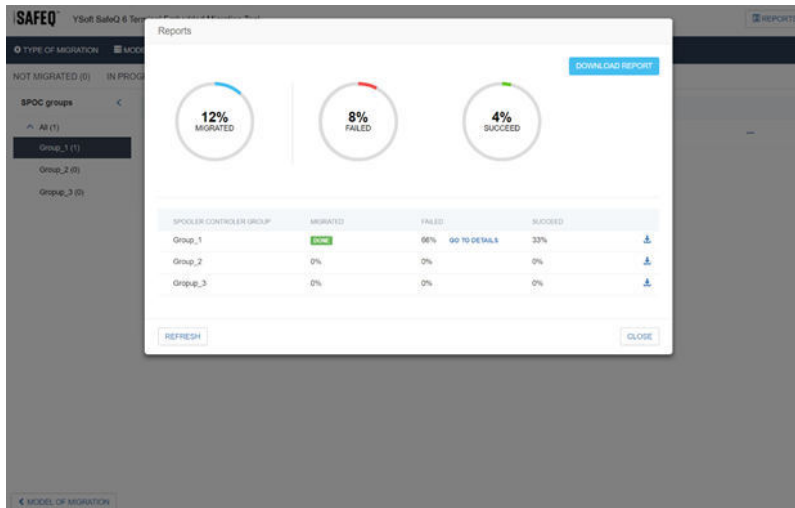
Example:

Spoc Group Name	Terminal Server IP
<Group Name 1>	<10.0.0.1>

6 REPORTS SCREEN

User can open this screen by pressing **Report button** in the top right corner.

On this screen user sees overall report of migration progress.



Report can be downloaded to CSV using **Download report** button in the top right corner. Data in report can be refreshed by click on **Refresh** button.

7 REQUIRED USER RIGHTS

YSoft SafeQ 6 Embedded Terminal Migration Tool can be used only with user with specified user rights.

To allow user migrate terminal using SafeQ Embedded Terminal Migration Tool, following steps needs to be performed:

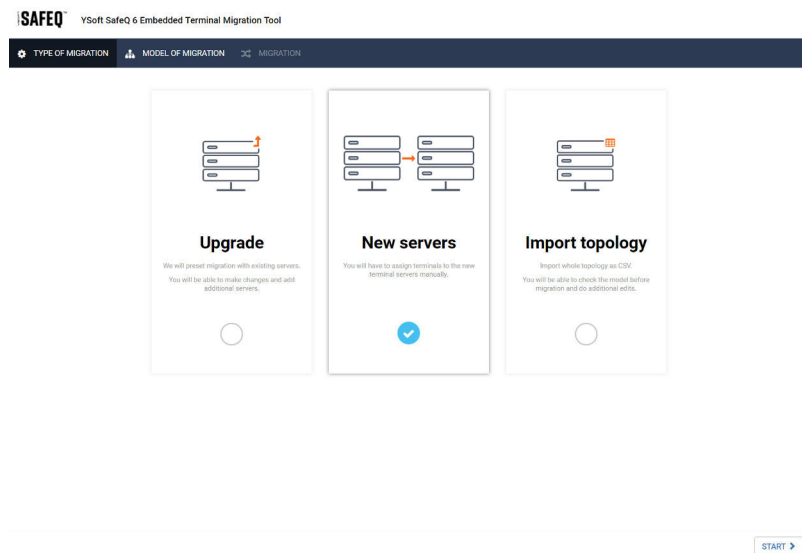
- Create new user role named **management-api-operator**
- In access rights section enable access right **Remote access via the Management Server REST API** to the role
- Create new user who will be able to operate SQMT (please note, that this user must be different from administrator user)
- Assign following roles to the user:
 - **safeq admins**
 - **SQTS API operators**
 - **management-api-operator**

It is possible than after update, Ysoft SafeQ6 may missing "SQTS API operators" role. In that case, use following command into database

```
INSERT INTO tenant_1.users (login, pass, name, surname, sign, email, flag, ip, card_num, ou_id, ou_number, ext_id, login_ascii, name_ascii, surname_ascii, replicated, homedir, ext_name, safeq_oid, tenant_id, source, user_note) VALUES ('sqts api operators', '', '', 'YSoft SafeQ Terminal Server API operators', '', '', 163840, '', '', 0, 0, NULL, 'sqts api operators', '', 'YSoft SafeQ Terminal Server API operators', 0, NULL, NULL, 10, NULL, 'INTERNAL_DATABASE', NULL);
```


8 TYPE OF MIGRATION

This screen allows to choose type of migration which we want to process. Pressing Start button will start downloading current structure from SafeQ Management. This can take few minutes.



8.1 UPGRADE

Upgrade option will create structure where source and target Terminal server are same. Terminals are already assigned to Terminal Servers and user can do changes if necessary.

8.2 NEW SERVERS

This option will create empty target structure. It is necessary to assign terminals to Terminal Server to start migration process.

8.3 IMPORT TOPOLOGY

This option allow to export csv file with source devices and target devices should be filled in.