

## Supa Scheduler manual

© 2016 P.V. Supa Oy Ltd



# **Table of Contents**

Introduction	3
Available commands	4
Scheduler user interface	5
Opening an existing schedule Creating a new schedule	5 6
Working on a schedule Exceptions	7 9
Troubleshooting	.10



### Introduction

Supa Scheduler is a tool to define commands that are sent to self service units, on specific times and days. Typical use would be to define machine startup times and shutdown times, so that the self service units are automatically turned off when the library is closed.

All commands are sent from Master controller. Thus, for the scheduler to work, one machine with Master controller must be up and running. Typically this would be a server in a centralized setup.

There may be more than one schedule in the database. This could be the case for example when a centralized system is used with multiple libraries; each library might have their own schedule. Or in larger libraries, different parts of the library might have different schedules. Any number of schedules can be set up, depending on the needs of the library.



### **Available commands**

The following commands can be sent from the scheduler system:

**Start**: This command starts a computer in a self service unit. It sends a Wake-On-Lan package through network, targeted at the Mac-address of the computer in the self service unit. Note that this requires that the Wake-On-Lan packages are allowed through the network, and that the machine is capable of waking on network packages and is configured to allow that. Computers shipped by P.V. Supa have this configuration set by default.

**Shutdown**: This command turns off the computer in a self service unit. This command requires software to listen to shutdown commands, to be running on the computer. This includes all Supa self service software, such as Librid 3, Libretto 2, Libcabinet and Libshelf. When any of these receives a shutdown command, it will handle shutdown correctly; end possible patron sessions or other processes currently running, close the software correctly and finally send a shutdown command to the computer.

This is always the preferred method for shutting down machines, instead of turning off the power or disconnecting a power cable.



### Scheduler user interface

When opening the scheduler interface, you are presented with two options: create a new schedule, or open an existing one. All schedules are stored in the Supa database via Master controller; selecting to open an existing schedule will present a list of all available schedules in the database.

Sign P.V. Supa scheduler - Connected to MASTERCONTR	-		×
Schedule			
+ 🔁 🗐 🔪 🔞			Ŧ
Schedule Exceptions			
P.V. Supa Scheduler			
Use the scheduler to create and edit commands for self-service units and other Supa systems that are automatically executed a	t speci	fied tin	nes.
Set machine startup and shutdown times for each machine separately, or for groups of machine together.			
Assign exception days for holidays and other days when library open hours are different from normal hours.			
Click the 🧮 Open button to open and modify an existing schedule.			
Click the 📫 Add button to create a new schedule.			
Scheduler main window before schedule has been opened			

#### **Opening an existing schedule**

When opening an existing schedule, you are presented with a list of all schedules available in the database:

P.V. Supa Scheduler Select schedule to open	×
Schedules Test schedule	Schedule 11.4.2016 12.22.00 Is active
	Description P.V. Supa test schedule
	<u>O</u> k <u>C</u> ancel

Opening an existing schedule

Depending on the system, there may be multiple schedules available, or just one.



#### Creating a new schedule

After pressing the Add new schedule button, you are presented with a window to enter the basic information for a new schedule:

P.V. Supa Sched	uler ×
Add schedule	
Name	
Description	
Schedule	fault weekly schedule
Name	Default
Startup	9.00 숫 ▼ Shutdown 18.00 숫 ▼
Days	monday, tuesday, wednesday, thursday, friday
Add mont	ths
Months	january, february, march, april, may, june, july, august, sep 👻
Active	
	<u>O</u> k <u>C</u> ancel

**Name** is what will be shown in list of available schedules when opening from database. You should always give a good name to a schedule, to avoid possible mistakes.

**Description** is free text where you can enter more information about the schedule. For example, you could write the name of the person responsible for maintaining the schedule, intended use of the schedule, to which libraries or departments this schedule is meant for and so on.

Selecting the **Create default weekly schedule** will automatically create startup and shutdown commands for the selected days (select weekdays from the drop-down list). These can then be modified to suit the different days correctly. It is recommended to use this option as it simplifies the creation of a schedule.

Selecting Add months will pre-select the schedule to be used in the months, selected from the



drop-down list. The schedule must be selected for days when it is used; this can be done while editing the schedule, but this option will automatically make the new schedule active over given months. This information can be easily edited when working on the schedule.

The **Active** mark is used to make a schedule active. If a schedule is not active, it will not be used no commands will be sent. Only active schedules will send commands. This option is disabled by default, making it possible to work on a schedule and save it, without it starting to send commands right away. You can work on a schedule safely, and once it is complete, you can then mark it active and save it, and it will then begin to work within Master controller, sending commands to machines.

#### Working on a schedule

When a schedule is opened or created, it will be presented in the main window:



Schedule main view

On the top left is the tool bar. Use these buttons to save the schedule, edit the basic information or discard or close the schedule.

Below that are two tabs: **Schedule** and **Exceptions**. Schedule is the main, repeating schedule, which is mostly used. Exceptions contains specific days when different commands are sent. These



would be for example holidays, like christmas or easter, when the library is open different hours than normally. Exceptions are intended to be used on specific, single days. If the library opening hours are different over a longer period of time, like weeks, use the *Weekly schedules* feature explained below.

Below the tabs is a button and description to indicate whether the schedule is **active** or not. Click on the icon to toggle; the schedule will still need to be saved before it is in fact changed in the server.

Again below that on the left is a list of **weekly schedules** within this schedule. This allows separate weekly cycles; for example during the summer months, the opening hours might be different from the rest of the year but still regular enough to not be considered exceptions. The calendar on the right will show the days when each weekly schedule is active; note, that even though the schedule is defined as weekly schedule, it does not have to be in effect full weeks, it can be only some days; for example it could only be in effect during weekends in the summer.

Last part on the left is a list of **target workstations** to which this schedule is connected. These are the machines (computer names) connected to the same master controller as the schedule. Click on the edit icon to see a list of computers available, and select any and all to which this schedule is connected to. All selected computers will receive the commands as defined by this schedule.

The top part of the main area is the **daily commands**. These are the commands to be sent, and the times at which they are sent. You can add more commands, for example the computers could be started in the morning, closed for a few hours in the middle of the day and the started again later. Make sure to define all commands logically for each day you wish to automate; if you select this schedule for weekends but have not defined any commands to be sent during saturday or sunday, nothing will happen.

And finally, the calendar part defining **days when selected weekly schedule is active**. Mark the days when this schedule is active; use the icon after the name of each month to select / unselect a whole month at once, or select individual days with the mouse. Click and hold the mouse, and then drag to select longer periods at one time.

Remember to save the schedule after making changes. Also remember to be careful with the Active flag; do not mark a schedule as active unless it is fully defined, otherwise unexpected behaviour might occurr.



#### **Exceptions**

To define exceptions to a schedule, use the **Exceptions** tab of the main window:

🛜 P.V. Supa scheduler - Connected to MASTERCONTR - Test schedule 🛛 🚽 🖂 🗙																												
avs w	her	sele	octe	d ev	rent	ion is	active																					
uy5	201	16				017	active																					
	20	10			4	2017																						
		tan	nmik	auu					he	lmik	uu					m	aalis	kuu					h	ıhtik	uu			
ma	ti	ke	to	ре	la	su	ma	ti	ke	to	pe	la	su	m	at	i ke	to	pe	la	su	ma	ti	ke	to	pe	la	su	
				1	2	3									1	2	3	4	5	6					1	2	3	
4	5	6	7	8	9	10	1	2	3	4	5	6	7	7	8	9	10	11	12	13	4	5	6	7	8	9	10	
11	12	13	14	15	16	17	8	9	10	11	12	13	14	1	4 1	5 16	17	18	19	20	11	12	13	14	15	16	17	
18	19	20	21	22	23	24	15	16	17	18	19	20	21	2	1 2	2 23	24	25	26	27	18	19	20	21	22	23	24	
25	26	27	28	29	30	31	22	23	24	25	26	27	28	2	8 2	9 30	31				25	26	27	28	29	30		
							29																					
_													_	_														
		tou	ikok	auu				kesäkuu					heinäkuu						elokuu									
ma	ti	ke	to	pe	la	su	ma	ti	ke	to	pe	la	su	m	a t	i ke	to	pe	la	su	ma	ti	ke	to	pe	la	su	
						1			1	2	3	4	5					1	2	з								
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	1	2	3	4	5	6	7	
9	10	11	12	13	14	15	13	14	15	16	17	18	19	1	1 1	2 13	14	15	16	17	8	9	10	11	12	13	14	
16	17	18	19	20	21	22	20	21	22	23	24	25	26	1	B 1	9 20	21	22	23	24	15	16	17	18	19	20	21	
23	24	25	26	27	28	29	27	28	29	30				2	5 2	5 27	28	29	30	31	22	23	24	25	26	27	28	
30	31																				29	30	31					
							_														_							a
		sy	yskı	JU					lo	kaku	JU					m	arras	kuu					jo	uluk	uu			
ma	ti	ke	to	pe	la	su	ma	ti	ke	to	pe	la	su	m	a t	i ke	to	pe	la	su	ma	ti	ke	to	pe	la	su	
			1	2	3	4						1	2		1	2	3	4	5	6				1	2	3	4	
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	
12	13	14	15	16	17	18	10	11	12	13	14	15	16	1	4 1	5 16	17	18	19	20	12	13	14	15	16	17	18	
19	20	21	22	23	24	25	17	18	19	20	21	22	23	2	1 2	2 23	24	25	26	27	19	20	21	22	23	24	25	
26	27	28	29	30			24	25	26	27	28	29	30	2	8 2	9 30					26	27	28	29	30	31		
1							31							1							11							1
	to M. ays w 4 11 18 25 9 16 23 30 0 ma 5 5 12 19 26	to MAST ays wher 20' ma ti 11 12 18 19 25 26 11 12 18 19 25 26 11 12 18 19 25 26 0 11 12 3 24 10 16 17 12 3 24 10 16 17 12 3 24 10 16 17 12 3 24 10 16 17 12 3 24 10 16 17 12 3 24 10 16 17 12 3 24 10 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17 1	to MASTERCC 2016 2016 ma ti ke 4 5 6 11 12 13 18 19 20 25 26 27 tox ma ti ke 2 3 4 9 10 11 16 17 18 23 24 25 30 31 <b>b</b> <b>b</b> <b>b</b> <b>b</b> <b>c</b> <b>b</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b> <b>c</b>	to MASTERCONI ays when selecte 2016 tammi ma ti ke to 4 5 6 7 11 12 13 14 18 19 20 21 25 26 27 28 toukok ma ti ke to 2 3 4 5 9 10 11 12 16 17 18 19 23 24 25 26 3 31 syysko 15 6 7 8 12 13 14 15 15 6 7 8 12 13 14 15 15 0 21 22 26 27 28 29	to MASTERCONTR - 2016 2016 2016 2016 2016 2016 2016 2016 2016 2016 2016 2017 2016 2017	to MASTERCONTR - Test ays when selected except 2016 2 tammikuu ma ti ke to pe la 1 2 3 4 5 6 7 8 9 11 2 13 14 15 16 17 2 0 2 21 22 23 2 5 26 27 28 29 30 toukokuu ma ti ke to pe la 2 3 4 5 6 7 8 9 10 1 3 24 25 26 27 28 3 31 ti ke to pe la 2 3 4 5 6 7 8 9 10 1 2 3 24 25 26 27 28 3 31	to MASTERCONTR - Test scher ays when selected exception is 2016 2017 tammikuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 toukokuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 13 14 15 16 17 18 19 20 21 22 23 24 23 24 25 26 27 28 29 30 31 stypskuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	to MASTERCONTR - Test schedule ays when selected exception is active 2016 2017 tammikuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 32 44 25 26 27 28 29 30 31 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 1 2 13 14 15 16 17 1 19 10 20 21 22 23 24 25 26 27 28 29 30 31	to MASTERCONTR - Test schedule ays when selected exception is active 2016 2017 tammikuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18 10 20 21 22 23 24 22 3 <b>toukokuu</b> ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18 19 20 21 22 3 29 <b>toukokuu</b> ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18 19 20 21 22 3 29 <b>toukokuu</b> ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 2 13 14 15 16 17 13 14 15 16 17 13 14 15 17 13 14 15 18 19 20 21 22 3 29 <b>toukokuu</b> ma ti 2 3 24 5 6 7 8 9 10 11 2 13 14 15 15 16 17 13 14 10 11 12 13 14 15 16 17 18 10 3 11 11 2 3 4 5 6 7 8 9 10 11 12 3 14 15 16 17 18 10 11 10 11 10 2 2 22 23 24 3 4 5 6 7 8 9 10 11 11 12 3 14 15 16 17 18 10 11 10 11 10 20 21 22 23 24 3 4 5 6 7 8 9 10 11 10 11 10 11 10 12 13 14 15 16 17 18 10 11 10 11 10 20 21 22 23 24 3 4 5 6 7 8 9 10 11 10 11 10 11 10 20 11 10 20 11 10 20 11 10 11 10 12 13 14 15 16 17 18 10 11 10 11 10 12 12 13 14 15 10 11 10 11 10 12 12 14 15 10 11 10 11 10 12 10 20 12 23 24 10 11 10 11 10 12 10 11 10 12 10 11 10 12 10 11 10 11 10 12 10 11 10 12 10 11 10 12 10 11 10 11 10 12 10 11 10 12 10 12 10 11 10 12 10 11 10 12 10 11 10 12 10 11 10 12 10 11 10 12 10 11 10 11 10 12 10 12 10 11 10 11 10 11 10 12 10 12 10 11 10 12 10 12 10 12 10 12 10 11 10 11 10 12 10 12 10 12 10 11 10 11 10 12 10 12 10 12 10 11 10 12 10 11 10 12 10 12 10 12 10 11 10 12 10 11 10 12 10	to MASTERCONTR - Test schedule	to MASTERCONTR - Test schedule	to MASTERCONTR - Test schedule	to MASTERCONTR - Test schedule ays when selected exception is active 2016 2017 tammikuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 2 32 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 1 2 2 3 4 15 16 1 2 3 4 4 5 6 7 8 1 2 3 4 5 6 7 8 1 3 4 5 8 7 8 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammikuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31  toukokuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31  toukokuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31  toukokuu 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31  toukokuu 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30  toukokuu 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 1 2 1 3 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30  toukokuu 1 2 3 4 5 1 4 5 1 4 1 5 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammikuu  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 3 4 5 1 6 7 8 9 10 1 1 2 1 14 1 5 16 17 18 1 9 20 21 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammikuu  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 2 3 4 5 6 7 8 9 10 1 2 2 3 4 5 6 7 8 9 10 1 2 2 3 4 5 6 7 8 9 10 1 2 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 2 2 3 24 25 26 27 28 29   toukokuu  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 1 1 2 1 3 14 15 16 17 18 19 20 21 28 29    toukokuu  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 2 3 4 5 1 1 1 1 3 14 15 16 17 1 8 19 20 21 22 23 24 2	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammiku  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 1 3 4 15 16 17 1 8 19 20 21 22 23 24 29   toukoku  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 1 2 1 3 4 1 5 16 17 1 8 19 20 21 22 23 24 29	to MASTERCONTR - Test schedule         ays when selected exception is active         2016       2017         tammikuu       ma ti ke to pe la su         ma ti ke to pe la su       ma ti ke to pe la su         1 2 3       hetmikuu         1 2 3       hetmikuu         ma ti ke to pe la su       ma ti ke to pe la su         1 2 3 4 5 6 7       n 1 2 3 4 5       n 1 2 3 4 5         toukokuu       ma ti ke to pe la su       na ti ke to pe la su         1 2 3 24 25 26 27 28       29 30         toukokuu       ma ti ke to pe la su       na ti ke to pe la su         1 2 3 4 5 6 7       8 9 10         1 2 3 24 25 26 27 28       20 30 31         kesäkuu       ma ti ke to pe la su         1 2 3 24 25 26 27 28 29         3 3 4 5 6 7 8 9       10 11 12 13 14 15 16 17 18         1 2 2 3 24 25 26 27 28 29       10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammikuu ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 1 2 13 14 15 16 71 18 9 10 20 21 22 23 24 29   toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 29  toukokuu ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 27 28 29 30  toukoku ma ti ke to pe la su 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 2 23 24 25 26 27 28 29 30  toukoku ma ti ke to pe la su 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammiku  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 1 2 2 3 24 25 26 27 28 29 30	to MASTERCONTR - Test schedule  avs when selected exception is active 2016 2017  tammiku  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammiku  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 2 3 4 5 6 7 8 9 10 1 2 2 3 4 5 6 7 8 9 10 1 1 2 1 3 4 15 16 77 18 19 20 21 22 3 24 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	to MASTERCONTR - Test schedule ays when selected exception is active 2016 2017 tammiku ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 7 8 9 10 1 1 2 13 4 15 16 17 18 19 20 21 22 23 24 29	to MASTERCONTR - Test schedule avis when selected exception is active 2016 2017 tammiku ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 4 5 6 7 8 9 10 1 2 3 4 5 6 7 4 5 6 7 8 9 10 1 2 3 4 5 6 7 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 1 1 2 13 14 15 1 1 2 13 14 15 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 1 2 13 1 4 15 16 17 1 8 19 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammiku  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 2 32 4 5 6 7 8 9 10 1 2 2 3 4 5 6 7 8 9 10 1 1 2 1 3 4 15 16 17 18 19 20 21 22 23 24 29	to MASTERCONTR - Test schedule  ays when selected exception is active 2016 2017  tammiku  ma ti ke to pe la su 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 1	to MASTERCONTR - Test schedule	to MASTERCONTR - Test schedule ays when selected exception is active 2016 2017 2017 2017 2017 2017 2017 2017 2017

Working on excceptions

There can be any number of exceptions; each exception is defined as a set of commands to send on a given day. In the picture above, there are two exceptions defined, Closed and Closed at noon. Of these the Closed exception contains no commands - any day to which that exception is selected, will mean that no commands are sent from this schedule to the machines to which is is connected. The Closed at noon exception has a start command at 9 in the morning and a shutdown command at 12 - any day to which this exception is selected (january 1st and december 30-31 in the picture above), the machines to which this exception is selected will receive these commands instead of the normal schedule commands.

Remember to select the machines to which the exception is to be used, and also to define the commands.

You can define exceptions to the current year and the next year in advance. The year tabs (2016 and 2017 in the picture above) will reflect these two years automatically.



### Troubleshooting

Information about command sent on schedule will be logged by Master controller in the main Supa database. Use the *Log browser* tool to find these logs. Select **MasterController** as the application and **Message types** *Remote request* and *scheduler*. This will produce output as follows:

🔊 P.V. Su	pa log bi	rowser - Connect	ed to	MASTERCO	NTR							-		×				
Ele Connection																		
Application		Workstation		Category	Subcategory	Level !	Message type						Messag	e filter				
GateContr	roller AGILE-TEST Application Error Rfid initialization ok											∧St						
LibRetto2		DEMOBABY_ARK Debug 1 Info Scheduler																
LibRid3	DEMOPILAR_RED Device 2 Warning Script loaded succesfully												Contain	s				
LibShelf	LABHATCH Error Security failed																	
MasterCor	Controller LIBSHELFDEMOPC Sip Security OK												-					
	MASIERCUNIK Sorting Service											~						
Get Events Begin 14.4.2016 15 End 14.4.2016 15 Get Last Everything from today												~						
Id	Time		Арр	lication	Workstation	Category	Subcategory	Level	Description	Message								
20654961	14.04.20	16 00.00.13.503	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Request target added. Test schedul	e Start 8:00 DEMOBA	BY_A	RK					
20654962	14.04.20	1.2016 00.00.13.503 MasterController MASTERCONTR Application Info Scheduler Request target added. Test schedule Start									e Start 8:00 DEMOPIL							
20654963	14.04.20	14.04.2016 00.00.13.503 MasterController MASTERCONTR Application Info Scheduler Request target added. Test schedule Start 8:0									e Start 8:00 LIBSHELFE	tart 8:00 LIBSHELFDEMOPC						
20654964	14.04.20	16 00.00.13.503	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Daily request added. Test schedule	itart 8:00 Targets: 3							
20654965	14.04.20	16 00.00.13.503	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Request target added. Test schedul	e Shutdown 17:00 DEMOBABY_ARK							
20654966	14.04.20	16 00.00.13.503	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Request target added. Test schedul	e Shutdown 17:00 DE	wn 17:00 DEMOPILAR_RED						
20654967	14.04.20	16 00.00.13.503	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Request target added. Test schedul	e Shutdown 17:00 LIB	SHEL	.FDEMOF	°C				
20654968	14.04.20	16 00.00.13.503	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Daily request added. Test schedule	Shutdown 17:00 Targe	ets: 3	3					
20654969	14.04.20	016 00.00.13.503	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Daily scheduler requests changed.	Request count: 2							
20824894	14.04.20	016 08.00.12.707	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Scheduler enqueued 1 requests. Da	aily request queue size	is 1						
20824895	14.04.20	016 08.00.12.753	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Scheduled request. Test schedule S	tart 8:00 DEMOBABY_A	ARK,	DEMOPII	LAR_RED, I				
20824896	14.04.20	016 08.00.12.910	Mas	terControlle	MASTERCONTR	Application		Info	Scheduler	Scheduler wake up DEMOBABY_AR	K 000BABA6148A							
20824897	14.04.20	016 08.00.12.910	Mas	terControlle	MASTERCONTE	Application		Info	Scheduler	Scheduler wake up DEMOPILAR_RE	D 000BAB864886							
20824898	14.04.20	016 08.00.12.910	Mas	terControlle	MASTERCONTE	Application		Into	Scheduler	Scheduler wake up LIBSHELFDEMO	PC 000BAB864844							
20824899	14.04.20	016 08.00.12.973	Mas	terControlle	MASTERCONTE	Application		Into	Remote request	WakeUp: 000BABA6148A								
20824900	14.04.20	16 08.00.12.973	Mas	terControlle	MASTERCONTR	Application		Info	Remote request	WakeUp: 000BAB864886								
20824901	14.04.20	10 08.00.12.973	Ivlas	terControlle	MASTERCONTR	Application		Into	Remote request	ичакеор: 0008А8864844								
<														>				
Page 1	/ 1		First	Prev	ext Last Pa	ige 1	A V				Found: 17	00:0	00:00:058	3				

Master controller log entries for scheduler

From the log, all commands sent can be easily seen, as well as changes to schedules. Selecting for example *Client status* for the message types will show the other end of the commands, the self service machine end.

- end of document -