

# Password administration for TVS

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### **1** Document versions

Version	Date	Author	Changes
V1.0	06.10.2022	W.Bach	• First version of the password administation
V1.0.1	03.11.2022	W.Bach	Changed visualization of unlimited users
			Bugfix: Password panels





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### 2 Introduction

The password management panel is responsible to administrate the password of all users of the TCS control system. The users with password administration rights can set password for non-password administration users. Also it is possible to set the end of date of all users. Therefore, the users would not be able to control the system by the SCADA and get a message to contact a password administration user. It is also possible to set for a user an unlimited password. necessary.

This panel shows only activated users and, by the administrator set, area users. Unlimited user is shown with "---".

#### 3 Password administrator

For the password administrator it is possible to open the panel *Password Manager*.

User name	Unlimited PW	Area user	Start time	End time
Injektor			2022.11.03 08:56:21.531	2022.11.30 00:00:00.000
HLI-Bereich			2022.11.03 08:56:26.599	2022.11.30 00:00:00.000
mmat			2022.11.03 08:58:18.795	2022.11.30 00:00:00.000
ST-Bereich			2022.11.03 08:56:33.952	2022.11.30 00:00:00.000
Testresonator			2022.11.03 08:56:36.926	2022.11.30 00:00:00.000
TK-Bereich			2022.11.03 08:56:40.099	2022.11.30 00:00:00.000
x0mat			2022.11.03 08:56:47.613	2022.11.30 00:00:00.000
x 1kc			2022.11.03 08:56:51.805	2022.11.30 00:00:00.000
x2sd			2022.11.03 08:56:55.273	2022.11.30 00:00:00.000
х3ар			2022.11.03 08:56:58.923	2022.11.30 00:00:00.000
x4ap			2022.11.03 08:57:02.265	2022.11.30 00:00:00.000
x6bio			2022.11.03 08:57:05.189	2022.11.30 00:00:00.000
x7kp			2022.11.03 08:57:08.336	2022.11.30 00:00:00.000
y5sep			2022.11.03 08:57:14.744	2022.11.30 00:00:00.000
убу7			2022.11.03 08:57:18.689	2022.11.30 00:00:00.000
z4z5z6			2022.11.03 08:57:21.814	2022.11.30 00:00:00.000
TASCA			2022.11.03 08:57:25.169	2022.11.30 00:00:00.000
z7bo			2022.11.03 08:57:28.296	2022.11.30 00:00:00.000
test2			2022.11.03 14:50:09.503	2022.11.04 00:00:00.000
test3	$\checkmark$			
				Help Cancel

Figure 1: Password Manager

This panel is only reachable from a password administration user. With this panel the password administration user can see all user, the start- and end date of the password and the state, if the user has an unlimited password.

The password administrator can open a calendar of the clicked user and see the settings for the user.





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🎯 Calender					_			×
		User:	test2	2				
Γ	Date: -							
	0		Ok	tober,	2022	2		0
		Mo.	Di.	Mi.	Do.	Fr.	Sa.	Sc
	39	26	27	28	29	30	1	2
	40	3	4	5	6	7	8	9
	41	10	11	12	13	14	15	16
	42	17	18	19	20	21	22	23
	43	24	25	26	27	28	29	3(
	44	31	1	2	3	4	5	6
	Time –							
	h: 0	<b></b>	min:	0	<b></b>			
				-	<u> </u>			_
Selected date/time:								
Password								
Not change Password:								
Unlimited Password:								
OK Reset Cancel								



In this panel the end date for the user can be changed by click in the calendar. In the frame *Time*, the password administrator can also choose the hour and minute for the end time of the password.

In the frame *Password* the administrator user can decide, if the user should get a unlimited password and not only to extend the password, also to change the password. Therefore, after a click on the button Ok, a password change panel would open.

🏟 Passwortänderung		- 🗆 X
	Password change user: User name:	test2
SIMATIC	Old password: New password:	
WinCC OA	Confirm password:	OK Cancel

Figure 3: Password change for a user

With the button Reset on the calendar, the end date for the password would disable. In the mode, the user would be requested to change the password and contact a password administrator.

6	Password error					_	×
	Your passwort expired! Please contact an admin.						
	ОК	Relog					

Figure 4: Password error

After this message it is not possible to control the TVS anymore and this error message would reopen after a termination. Only a relogin to a administrator is possible to control the TVS control system.





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#### 3.1 Password rules

The password must have the following rules to change the password:

- Upper-case letter
  - A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q", "R" ,"S", "T", "V", "W", "X", "Y", "Z"
- Lower-case letter
  - a","b","c","d","e","f","g","h","i","j","k","l","m","n","o","p","q","e","s","t"," v","w","x","y","z");
- Number
  - o 0","1","2","3","4","5","6","7","8","9"
- Special character
  - o "!","§","\$","%","&","/","(",")","=","?","\*","+","#",""","-","\_",",",";",",",";","/","@","?"
- Longer than 8 signs
- Not the old password

#### 4 Users

Non-administration users can only work till the end time of the password. After the end time an error message will remind the user to connect a password administrator.

This user cannot change the password and will get the password from password administrator.

