

# DIAView

User management

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# Outline

- Overview of User management
- User management tools
- Security zone configuration
- User management script

# Purpose

In this chapter, you will learn...

- ... Basic operation of User management

- ... User management, scripts and security zone functions

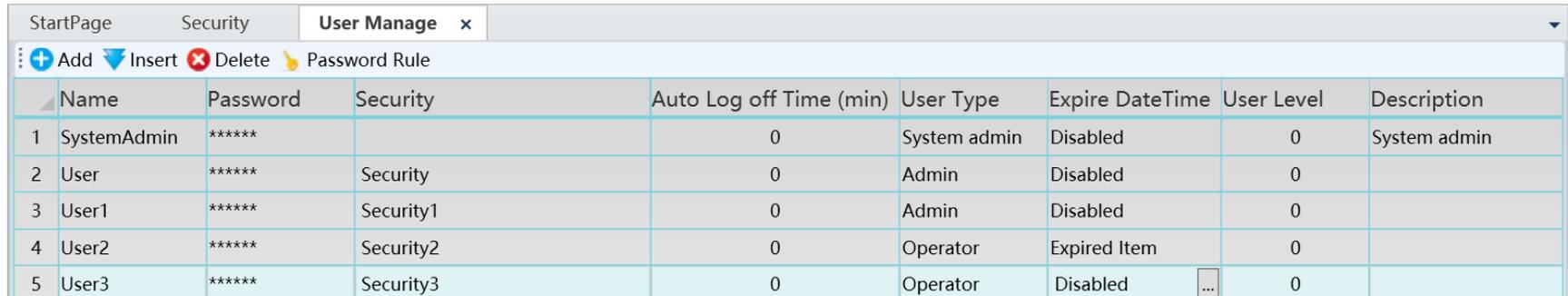
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# Overview of User management

## ➤ Definition of user manage in DIAView

- User management refers to the operation and control rights that users have when using the DIAView configuration software, including "safe area" and "user". Through User management, the safe and reliable operation and stable operation of the project can be ensured, and the user is prevented from developing and running the project. Problems such as disoperation, unauthorized operation, illegal change of project settings, etc.



	Name	Password	Security	Auto Log off Time (min)	User Type	Expire DateTime	User Level	Description
1	SystemAdmin	*****		0	System admin	Disabled	0	System admin
2	User	*****	Security	0	Admin	Disabled	0	
3	User1	*****	Security1	0	Admin	Disabled	0	
4	User2	*****	Security2	0	Operator	Expired Item	0	
5	User3	*****	Security3	0	Operator	Disabled	0	

# Overview of User management

## ➤ Definition of Security Zone in DIAView

- "Security zone" is a strategy to protect the operation safety of the system. In the development environment of the DIAView configuration software, by setting the security zone, the access operation rights of graphic objects can be partitioned and protected. "Security zone" is generally used in conjunction with "user".
- A user can have one or more security zone operation rights, and a graphic object can be subordinate to one or more security zones; during system operation, users can only access Operate the graphic objects in the safety zone that he owns, so as to avoid user misoperation and unauthorized operation, and ensure the safety of system operation and operation.

# Overview of User management

## ➤ Definition of User in DIAView

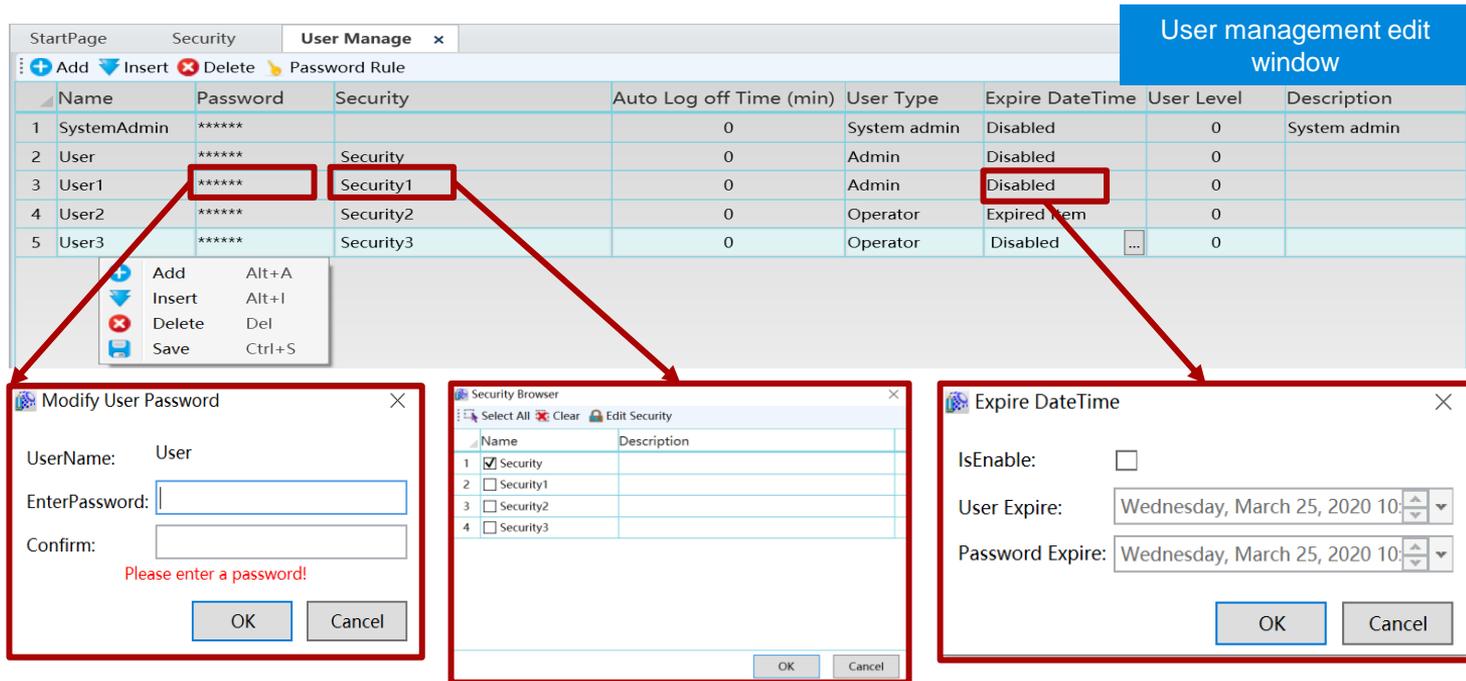
- "Users" are operators and managers with corresponding operation authority set for project development and operation. The users in the DIAView software are divided into: "system administrator", "operator" and "administrator". "System administrator" is the default in the project. It has all operation rights at the highest level. There is only one system administrator in a project and cannot be deleted. "Operator" is a general project operator who can set the security zone to Set their operation authority; "Administrator" can manage "operator" in addition to the set safety zone operation authority, and can add, modify, and delete "operator" user information.

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# User management management tools

## ➤ User management tool operation:

- Adding, inserting, deleting and other editing actions of users and security zones
- Realize user password rules, automatic logout time, expiration time and other functions



The screenshot shows the 'User Manage' window with a table of users and security zones. A blue box labeled 'User management edit window' is positioned above the table. Three red boxes highlight the 'Password' field of 'User1', the 'Security' field of 'User1', and the 'Expire DateTime' field of 'User1'. Red arrows point from these boxes to three separate edit windows: 'Modify User Password', 'Security Browser', and 'Expire DateTime'.

Name	Password	Security	Auto Log off Time (min)	User Type	Expire DateTime	User Level	Description
1 SystemAdmin	*****		0	System admin	Disabled	0	System admin
2 User	*****	Security	0	Admin	Disabled	0	
3 User1	*****	Security1	0	Admin	Disabled	0	
4 User2	*****	Security2	0	Operator	Expired Item	0	
5 User3	*****	Security3	0	Operator	Disabled	0	

**Modify User Password**

UserName: User

EnterPassword:

Confirm:

Please enter a password!

OK Cancel

**Security Browser**

Select All Clear Edit Security

Name	Description
1 <input checked="" type="checkbox"/> Security	
2 <input type="checkbox"/> Security1	
3 <input type="checkbox"/> Security2	
4 <input type="checkbox"/> Security3	

OK Cancel

**Expire DateTime**

IsEnable:

User Expire: Wednesday, March 25, 2020 10:00

Password Expire: Wednesday, March 25, 2020 10:00

OK Cancel

# User management management tools

## ➤ Functional meaning of password rules:

<b>Change Password Cycle Days</b>	The default extension of the password expiration time by days ( Reset user password: Password expiration time = Current system time + Change Password Cycle Days )
<b>Number of Password Errors</b>	When the number of password errors during login reaches the set value, the user will be locked automatically
<b>User Lock-in Time(Minute)</b>	The length of time for the user to automatically unlock a password after it has been locked for a specified number of times ( This function is unlocked after setting the Number of Password Errors )
<b>Keep Password History</b>	The user will not be allowed to change the password when it is the same as the previous password
<b>Using User Password Rules</b>	If password strength is enabled, select True to enable password strength verification
<b>Rules</b>	Contains four rules, check one or all of them, then password characters can only be set in accordance with the rules, if the strength verification is turned on

 Password Rule ✕

Change Password Cycle Days:

Number of Password Errors:

User Lock-in Time(Minute):

Keep Password History:  Passwords Remembered

Using User Password Rules:  ▾

Rules:

Must include numbers

Must include special characters

Must include upper and lower case letters

Must be greater than or equal to 8 characters

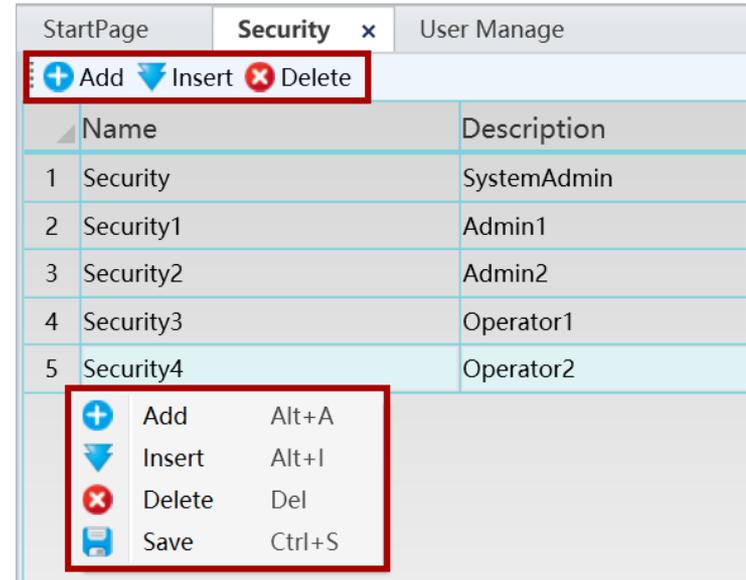
✘Refer to the section "20.3 User manage" in user manual.

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# Security zone configuration

➤ Basic operation of the safety zone:

<b>Add</b>	Add a safety zone, the newly added variables are displayed in the list of the safety zone editing area
<b>Insert</b>	Insert a safety zone, the newly inserted safety zone is displayed above the inserted safety zone
<b>Delete</b>	Delete a security zone
<b>Save</b>	Save security zone configuration



The screenshot shows a web interface with a tab labeled "Security" and a sub-tab "User Manage". A red box highlights the top navigation bar containing three buttons: a blue plus sign for "Add", a blue downward arrow for "Insert", and a red X for "Delete". Below this is a table with two columns: "Name" and "Description". The table contains five rows of data:

	Name	Description
1	Security	SystemAdmin
2	Security1	Admin1
3	Security2	Admin2
4	Security3	Operator1
5	Security4	Operator2

At the bottom of the interface, another red box highlights a menu with four items: a blue plus sign for "Add" (Alt+A), a blue downward arrow for "Insert" (Alt+I), a red X for "Delete" (Del), and a blue floppy disk icon for "Save" (Ctrl+S).

✘Refer to the section "12.2 Safety Zone" in user manual.

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# User management script

## ➤ User management script

- When users configure window button events, screen programs, and user program scripts, the software provides simple and easy-to-use script attributes and methods to complete some special tasks and functions.

```
▶ Variable
▶ Alarm
▶ IO
▲ User
  ▲ Command
    ■ UserName
      🔗 AddUser(userName,password)
      🔗 AddUser(userName,password,description,role)
      🔗 ChangePassword(oldPassword,password)
      🔗 ChangePasswordBox()
      🔗 EditUser(userName,newName,description)
      🔗 EditUser(userName,newName,description,role,password)
      🔗 EditUser(userName,role)
      🔗 GetAllUserCount()
      🔗 GetAllUserNames()
      🔗 GetCurrentUserName()
      🔗 GetUserDescription(userName)
      🔗 GetUserNameByIndex(index)
      🔗 GetUserType(userName)
      🔗 Login(userName,password)
      🔗 LoginBox()
      🔗 Logout()
      🔗 RemoveUser(userName)
      🔗 UserManagerBox()
```

※Refer to the section "20.3 Script Syntax and Functions → Programming Model → Users and Permissions" in user manual.

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