

# Module 10

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## Advanced Features: Security Management

# Overview

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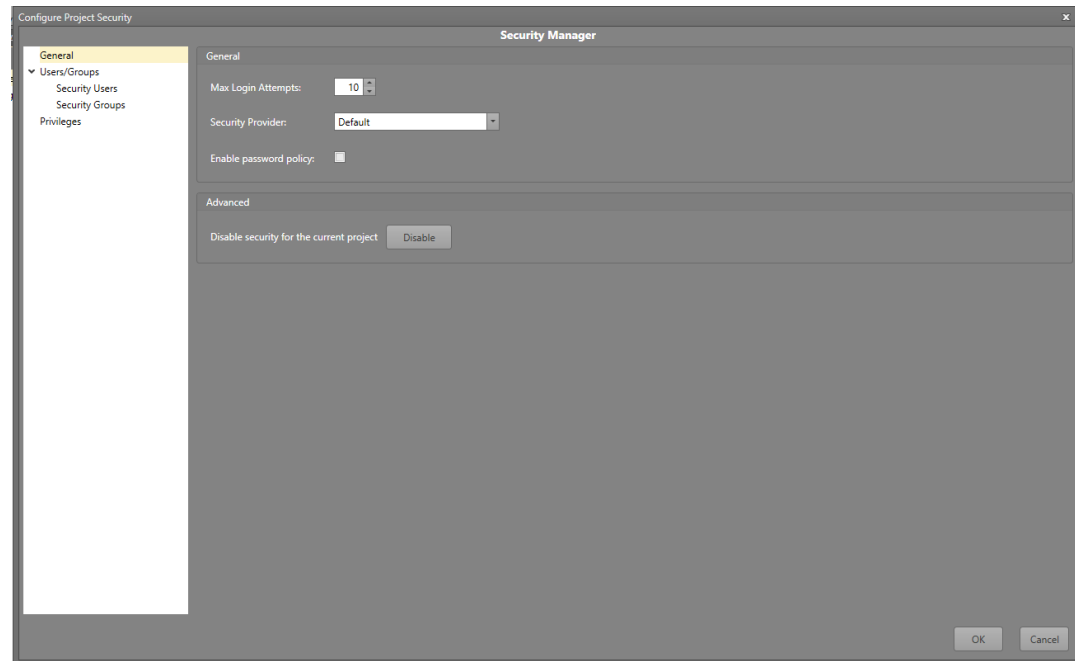
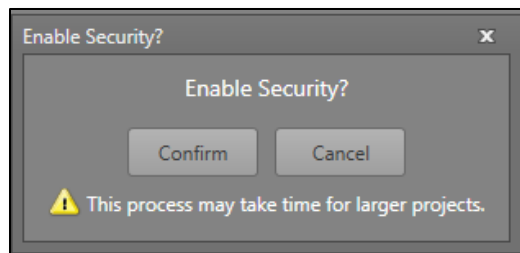
# Overview

- Manage users and groups access to IPFusion.
- Manage automatic logouts and maximum login attempts.
- Can use either IPFusion or Active Directory as the security provider.

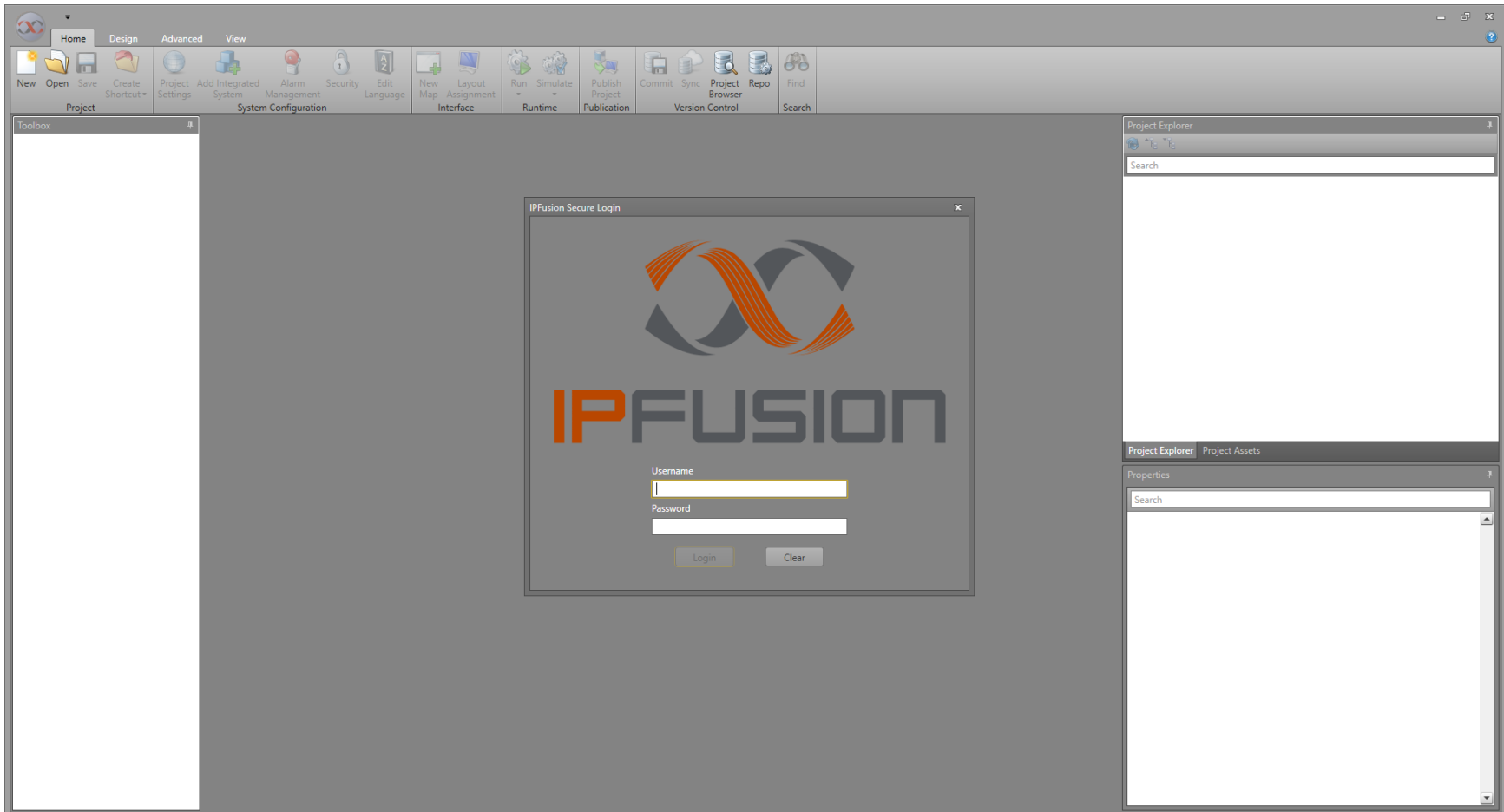


# Overview – Enabling Security

- Selecting the **Security** option in the **Advanced** tab will open a prompt to enable security settings.
- The project will then restart after confirmation.
- Afterwards, the **Security Manager** will open and both Designer and Runtime security are now enabled.
  - Users will be logged in as Admin by default after the reboot.



# Overview – Designer Security Prompt



\* This view can have additional options based on the Security Provider



# Overview – Runtime Security Prompt



The image shows a login interface for IPFUSION. At the top center is the IPFUSION logo, which consists of two interlocking loops in orange and grey, with the word "IPFUSION" in a bold, sans-serif font below it. Below the logo are two input fields: "Username" and "Password". Below the "Password" field are two buttons: "Login" and "Clear". In the bottom right corner, there is a small icon of a keyboard.

\* This view can have additional options based on the Security Provider

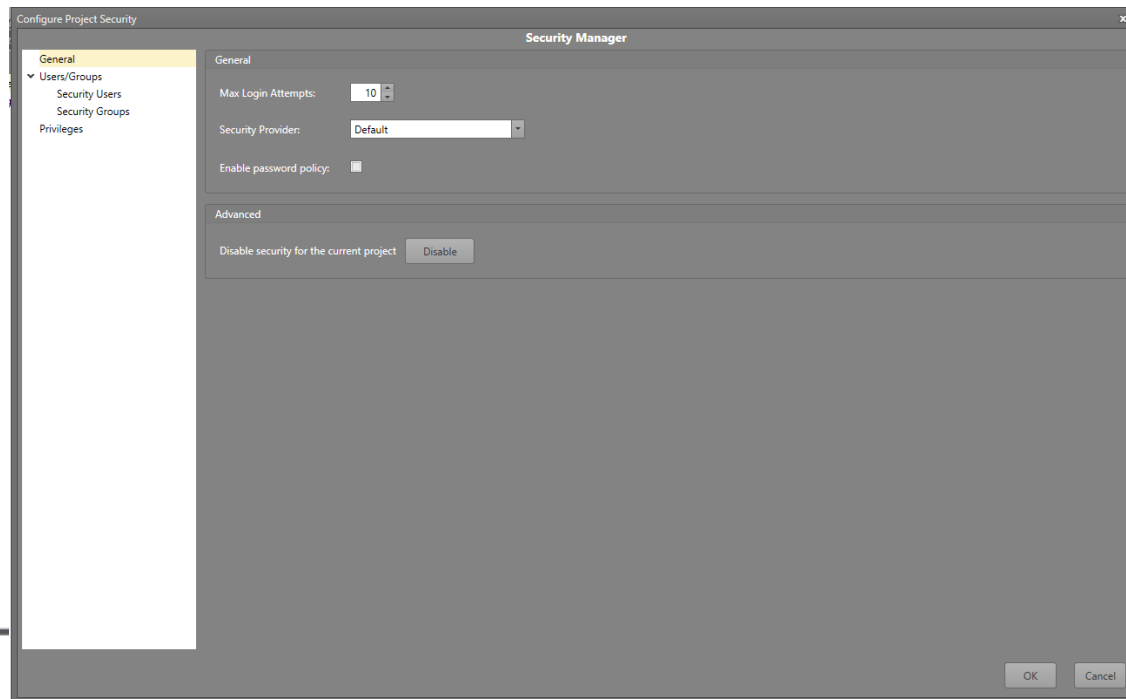


# Security Manager

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# Security Manager: General

- **Max Login Attempts** — Set the number of login attempts the user can make.
- **Security Provider** — Select whether the security settings will be the local IPFusion (Default) settings or from Active Directory.
  - **Note:** For Active Directory, your Designer and Runtime Workstations must be joined to the Active Directory Domain.
- Disabling security will restart the project to reflect the change.





# Security Manager: Users/Groups

- The system administrator can set up user accounts and user groups that have varying degrees of permissions in the software.
- Each user, barring the Admin, will need to be assigned a group.
  - A single user can be in multiple groups if needed.
  - When Active Directory is the security provider, groups and their associated users can be imported in the group configuration.

The screenshot shows the 'User Accounts' configuration window. The left sidebar has a tree view with 'General' expanded, and 'Users/Groups' selected. Under 'Users/Groups', 'Security Users' is highlighted. The main area contains a search bar and a table with the following data:

Username	Description	Disabled	Account Type
Admin (Admin)	Administrator User	<input type="checkbox"/>	IPFusion
jdoe (Doe, John)		<input type="checkbox"/>	IPFusion
bsmith (Smith, Bob)		<input type="checkbox"/>	IPFusion

At the bottom of the window are 'Add', 'Edit', and 'Delete' buttons.

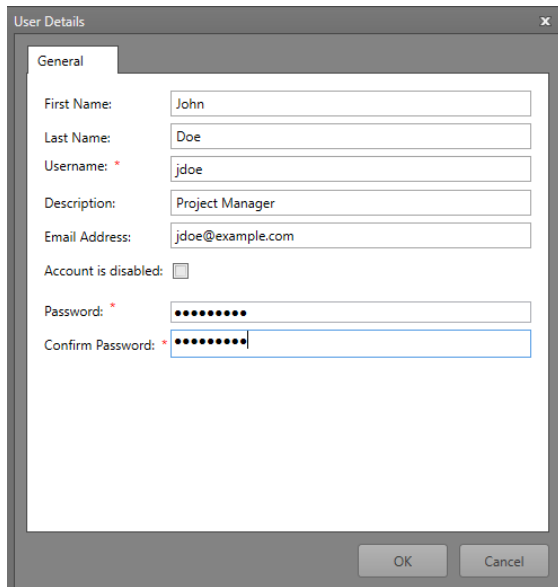
The screenshot shows the 'Security Groups' configuration window. The left sidebar has a tree view with 'General' expanded, and 'Users/Groups' selected. Under 'Users/Groups', 'Security Groups' is highlighted. The main area contains a search bar and a table with the following data:

Group Name	Description	Disabled	Account Type
Administrators		<input type="checkbox"/>	IPFusion
Reception		<input type="checkbox"/>	IPFusion
General Staff		<input type="checkbox"/>	IPFusion
Security		<input type="checkbox"/>	IPFusion
Nurse		<input type="checkbox"/>	IPFusion

At the bottom of the window are 'Add', 'Edit', and 'Delete' buttons.

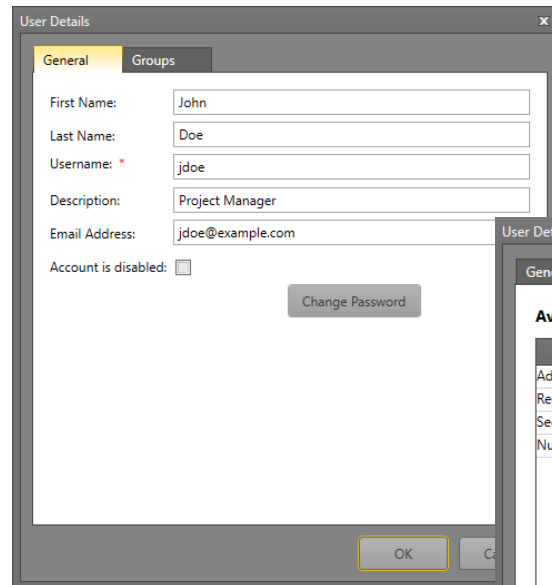
# Security Manager: Defining Users

- The user's information and credentials will need to be input when creating a new account .
- Editing existing user accounts also allow their assignment to groups.



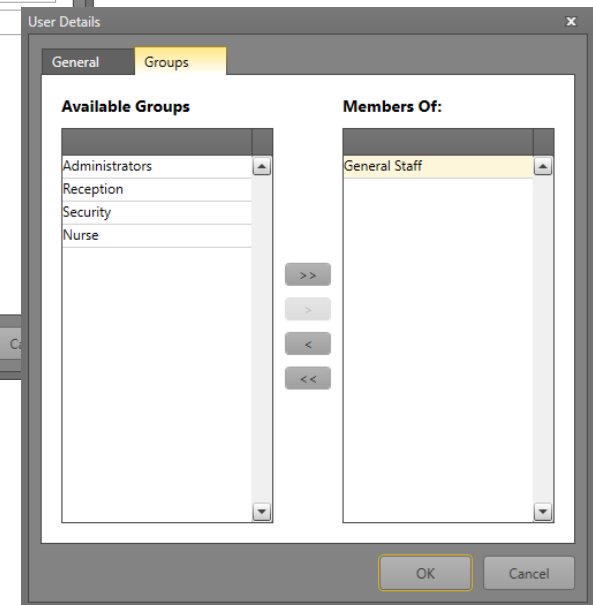
User Details dialog box, General tab. Fields include: First Name: John, Last Name: Doe, Username: \* jdoe, Description: Project Manager, Email Address: jdoe@example.com, Account is disabled: , Password: \* [masked], Confirm Password: \* [masked]. Buttons: OK, Cancel.

Add new user  
account



User Details dialog box, Groups tab. Fields include: First Name: John, Last Name: Doe, Username: \* jdoe, Description: Project Manager, Email Address: jdoe@example.com, Account is disabled: . Button: Change Password. Buttons: OK, Cancel.

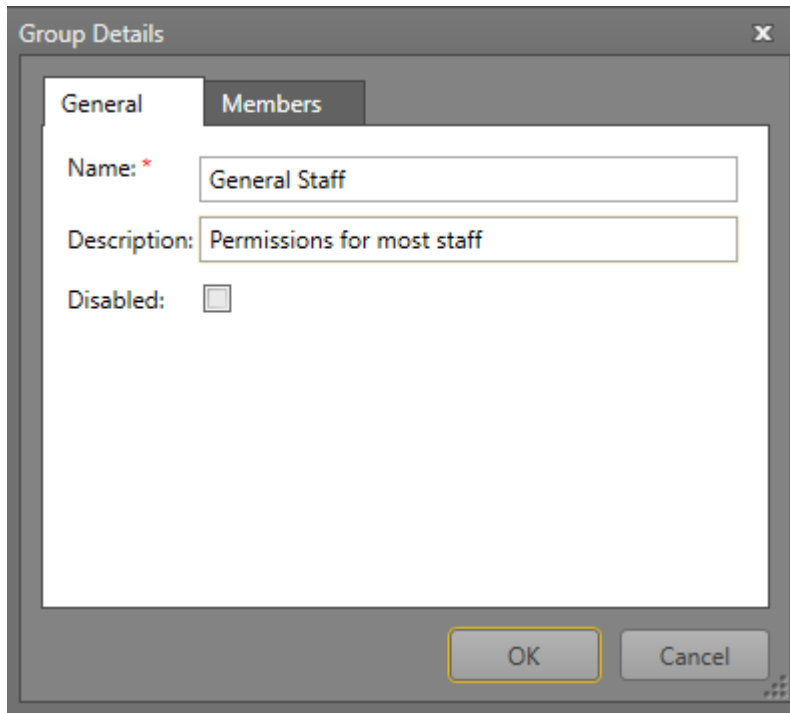
Edit user account  
and add to a group



User Details dialog box, Groups tab. Available Groups: Administrators, Reception, Security, Nurse. Members Of: General Staff. Buttons: >>, >, <, <<, OK, Cancel.

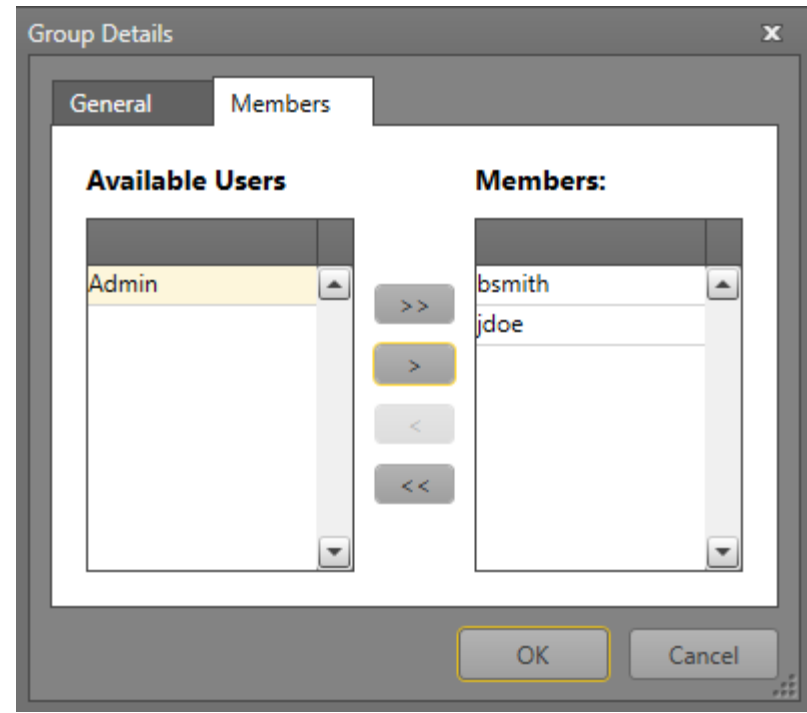
# Security Manager: Defining Groups

- Simply provide the name and assign members to create a new group.



The screenshot shows the 'Group Details' dialog box with the 'General' tab selected. The 'Name' field contains 'General Staff' and the 'Description' field contains 'Permissions for most staff'. The 'Disabled' checkbox is unchecked. The 'OK' and 'Cancel' buttons are visible at the bottom.

Field	Value
Name *	General Staff
Description	Permissions for most staff
Disabled	<input type="checkbox"/>



The screenshot shows the 'Group Details' dialog box with the 'Members' tab selected. The 'Available Users' list contains 'Admin'. The 'Members' list contains 'bsmith' and 'jdoe'. The '>>' button is highlighted. The 'OK' and 'Cancel' buttons are visible at the bottom.

Available Users	Members
Admin	bsmith
	jdoe

# Security Manager: Assigning Privileges

- User Groups can have varying privileges that control how much they can interact with the project.
- Select the allowed and denied actions based on the purpose of the groups and its members.

Type	Allow	Deny
▼ Designer	<input type="radio"/>	<input type="radio"/>
Edit	<input type="radio"/>	<input checked="" type="radio"/>
View	<input checked="" type="radio"/>	<input type="radio"/>
▼ Display Layout		
▼ Display Layout-0		
> Access Event Viewer	<input type="radio"/>	<input checked="" type="radio"/>
> Alarm Grid	<input checked="" type="radio"/>	<input type="radio"/>
> Clear Video Button	<input checked="" type="radio"/>	<input type="radio"/>
> Create Bookmark Button	<input checked="" type="radio"/>	<input type="radio"/>
> Create Snapshot Button	<input checked="" type="radio"/>	<input type="radio"/>
> Failover Status Banner	<input type="radio"/>	<input checked="" type="radio"/>
> Map Container	<input checked="" type="radio"/>	<input type="radio"/>
> Map Title Block	<input checked="" type="radio"/>	<input type="radio"/>
> Pause Button	<input checked="" type="radio"/>	<input type="radio"/>
> Play Button	<input checked="" type="radio"/>	<input type="radio"/>
> Rainbow Gauge	<input checked="" type="radio"/>	<input type="radio"/>
▼ Integrated Systems		
▼ AiristaFlowUVS		
> Tag	<input checked="" type="radio"/>	<input type="radio"/>
> UVS System Asset	<input checked="" type="radio"/>	<input type="radio"/>
> Zone	<input checked="" type="radio"/>	<input type="radio"/>

\*The Administrators group has all privileges allowed

# Active Directory Integration

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# Active Directory Integration

- Using Active Directory for the **Security Provider** allows you to use the already created users and groups in the domain.
  - If you use IPFusion instead, you will need to create the users and groups within **Security Manager**.

# Module 10 Complete

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