

## User Management

### Mini-Lab

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#### Requirements

- MP3300iec Demo with smartPanel HMI
- All project screens functional

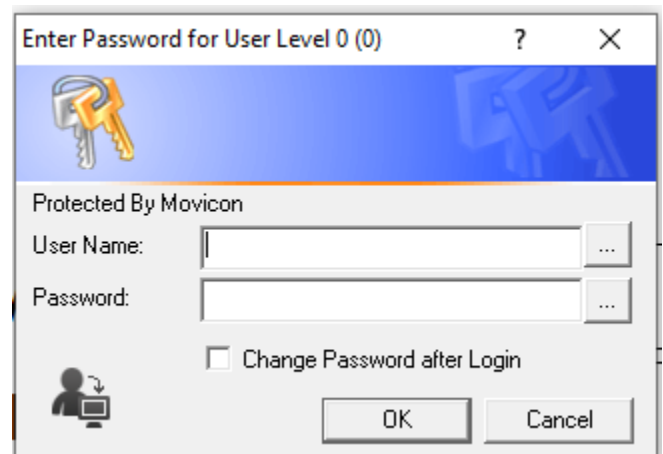
#### Lab Overview

This lab document will guide the participant through the following steps:

- I. Apply User Level to HMI controls (15 min)
- II. Set Up User Groups (15 min)
- III. Create control for Log On and Log Off (15 min)

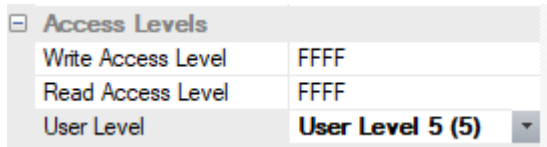
#### Lab Goal

- Restrict access to the Setup screen to only Engineers (Level 5 login)



## I. Apply user level to HMI controls

### A. Set User Level for the Setup navigation button



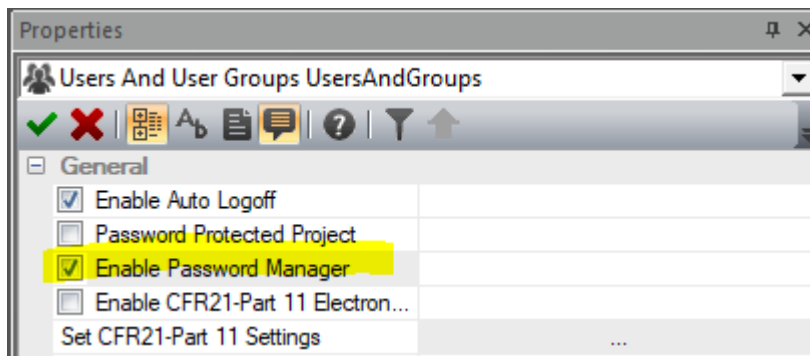
### B. Set User level for each control on the Setup screen

*Use ctrl-click to set properties all at once*

## II. Set up User Groups

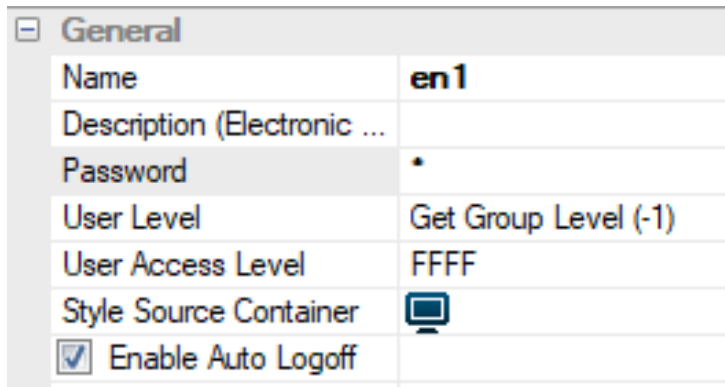
### A. Enable Password Manager

#### 1. USERS AND USER GROUPS → PROPERTIES → ENABLE PASSWORD MANAGER



*Use this setting to temporarily disable user management during future code development*

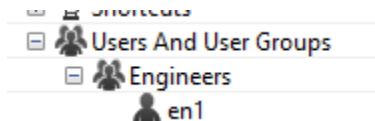
### B. Add Engineer user group at user level 5



### C. Add a user within the group

#### 1. Name: en1

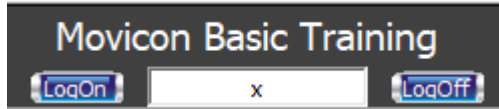
#### 2. Password: 0



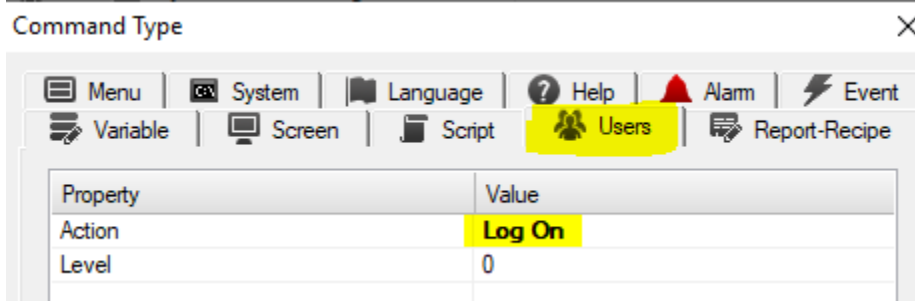
## III. Create control for Log On and Log Off

### A. Create a button for Log On

1. Make space in Control or Header screen



### B. Set properties to execute command for Log On and Log Off



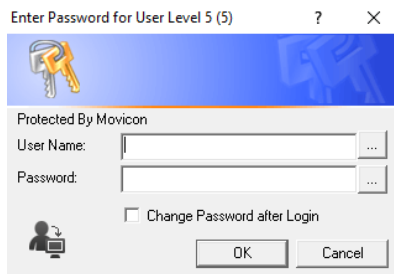
### C. EditBox-Display for name of user logged in

1. \_SysVar\_:ActiveUsername

## IV. Verify Operation

### A. Attempt to use the Setup navigation button while logged off

1. Setup navigation button prompts for level 5 logon



## End Of Mini-Lab

### Troubleshooting Tips

- ☐ Exit the runtime with the Stop button if not logged in
- ☐ Verify Enable Password Manager property is checked



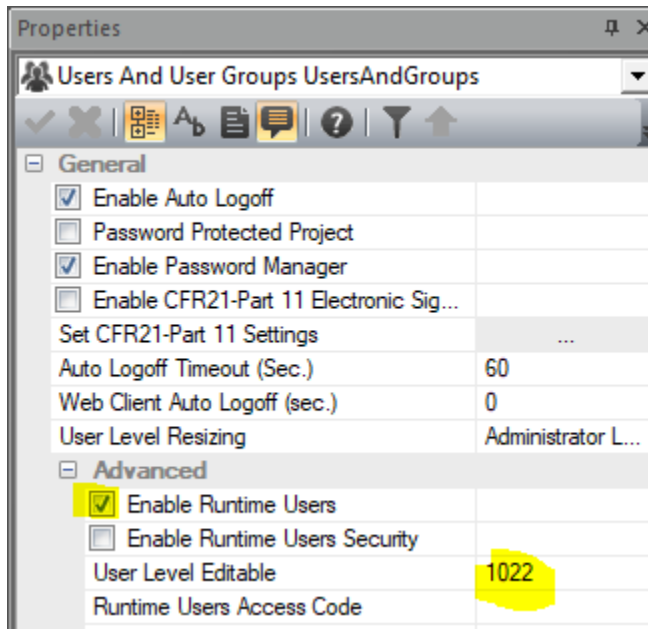
### Certification Checklist

- ☐ Cannot navigate to Setup screen when logged off
- ☐ Log on and navigate to setup screen, use Low PE button
- ☐ Active User Name is displayed
- ☐ Log off and setup screen controls do not work

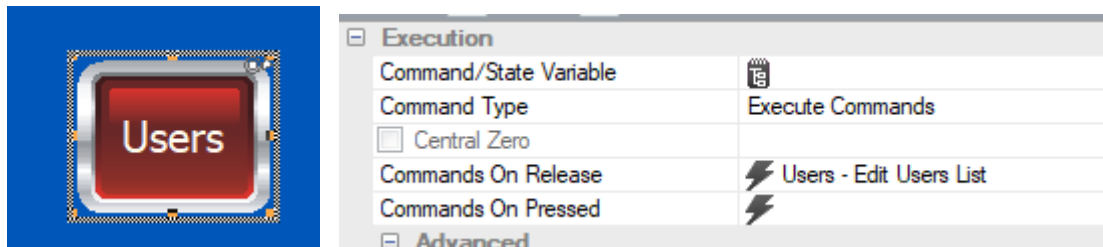
## V. (Optional) User management from within HMI runtime

### A. Set properties of Users and User Groups

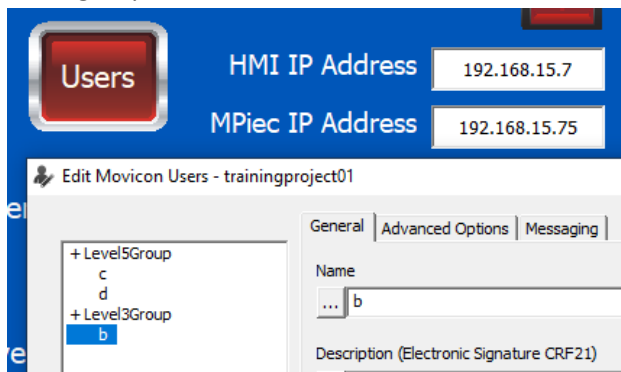
1. Enable Runtime Users (allow new users to be created while HMI running)
2. User Level Editable = 1022 (allow to edit users up to level 1022, ie all levels)



### B. Create button on Setup screen with command "Edit Users List"



### C. Create a level 5 group and user in runtime



### D. Run the project on the HMI device.

NOTE: Data for these users is contained on the device and not in the Movicon Project. Therefore users created in the Movicon runtime simulator on the PC are not transferred to the smartPanel because these are different devices.

## VI. (Optional) Require login for operators

### A. *Use Access Levels to hide or block objects for different users*

- No Login (User Level 0)
  - Operate navigation buttons for Auto, Alarms, Recipes
  - No write access to any screen data
  - No read access to navigation buttons for Setup or Jog-Zero
- Operators (User Level 2)
  - Operate navigation buttons for Auto, Jog-Zero, Alarm
  - Exclusive access to Recipes screen content
  - Write access to data on Auto, Alarm, Recipes
  - Hide the navigation button for Setup
- Engineers (User Level 5)
  - Access to all navigation buttons
  - Read only access to Recipe screen
  - Exclusive write access to Setup and Jog Zero screens

### B. Create User Group for Operators (UserLevel2) and create one user

1. Name: op1
2. password: 0

### C. Set screen content to User Level 2 (Operators and above)

1. Control
2. Auto
3. Recipes
4. Alarms

### D. Apply Access Levels to navigation buttons

1. Leave at default (FFFF) all Read and Write Access levels for Auto, Alarms, Recipes
  - i. All user levels and all access levels can use these buttons – no login required
2. Setup button: Write=2, Read=2 (Hide button)
3. Jog-Zero button: Write=3, Read=3 (Hide button)

### E. Apply Access Levels to Recipe screen content

1. Write access = 5 (prevent higher level users from access)

### F. Set User Access Level

1. Op1= 3,5
2. En1 = 2,3 (higher level user does not have access to area 5)