


Only use PwdIP-Hash during login; do not use it for the initial registration or password change

PwdIP- Hash – Trial User Manual

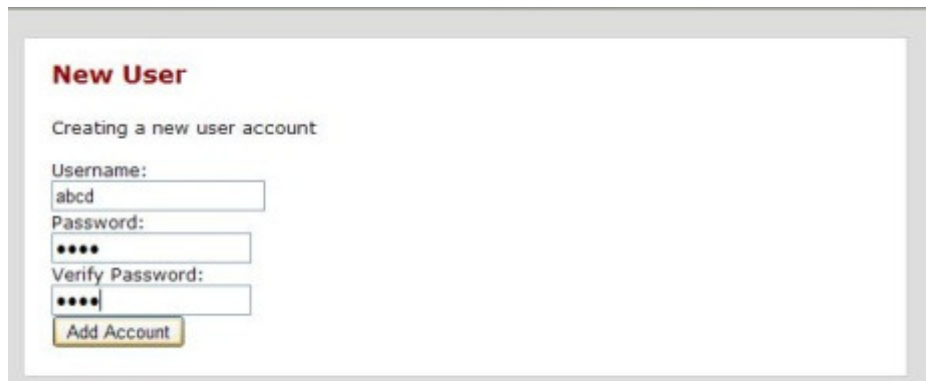
Step 1: Create user account

- a. **Open IE** and create a new account for your own. We have set the default page to our web server, the only thing you need to do is to create your account.



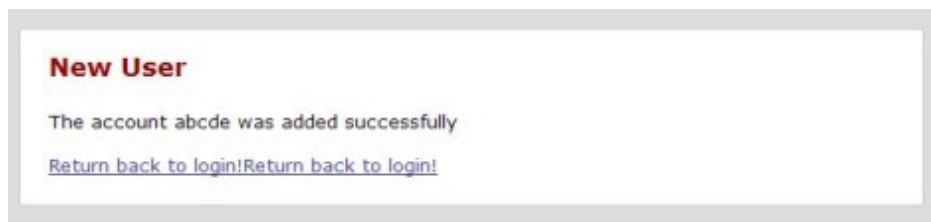
The screenshot shows a web page titled "Hello World!" in red. Below the title is a green horizontal line. The text "Welcome and input your account and password" is displayed. There are two input fields: "Account:" and "Password:". Below the "Password:" field are two buttons: "login" and "clear". At the bottom, there is a text prompt "If you do not have an account, please register first:" followed by a "register" button.

- b. **Press the "register" button in the page**, you will see:



The screenshot shows a web page titled "New User" in red. Below the title is the text "Creating a new user account". There are three input fields: "Username:" with the text "abcd", "Password:" with four asterisks, and "Verify Password:" with four asterisks. Below these fields is an "Add Account" button.

- c. **Press the "Add Account" button** now. If successful, you will see:



The screenshot shows a web page titled "New User" in red. Below the title is the text "The account abcde was added successfully". Below this text is a blue hyperlink that reads "Return back to login!Return back to login!".

If failed, (e.g. the account name you input has already existed), you will see:



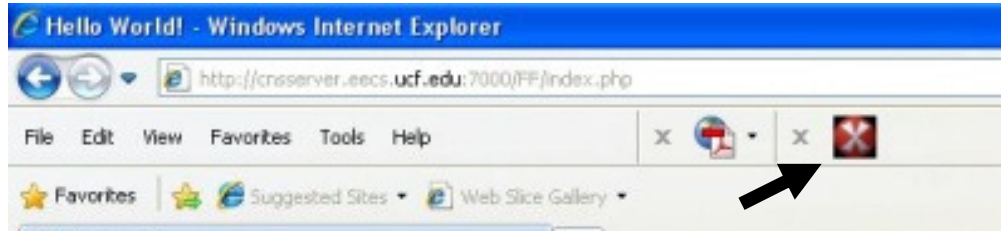
The screenshot shows a web page titled "New User" in red. Below the title is the text "You account could not be added. Duplicate entry 'abcde' for key 1". Below this text is a blue hyperlink that reads "Return back to login!".

In either case, you can **click the link and go back to the login page**

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Step 2: Login in the account using PwdIP-Hash plug-in

- a. Use the account you just created to login, this step we'd like you to experience the plugin program (*see the red X icon in the toolbar*):

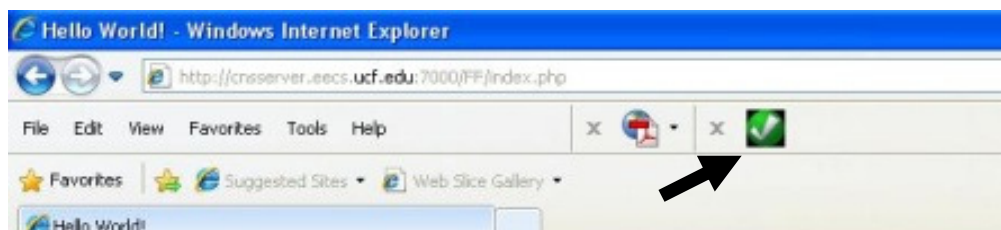


- b. *Type your account name*

A screenshot of a web form titled "Hello World!". Below the title, it says "Welcome and input your account and password". There are two input fields: "Account:" with the text "abcde" and "Password:". Below the password field are two buttons: "login" and "clear". At the bottom, it says "If you do not have an account, please register first:" followed by a "register" button.

- c. We use PwdIP-Hash to protect the password entry.

Click the input area of the password so that it will get the focus. Then **press F2**, you will see that the *icon in the toolbar will change to green check mark*:



- d. The green check mark means that the **plugin is ready** to accept your input password and will encrypted it. Now you can **input your password and click the "login" button**. If successful, you will see:

A screenshot of a web form titled "Login". Below the title, it says "Successfully logged in.". There is a "Logout" button. At the bottom, it says "If you want to change password, press the button:" followed by a "changepwd" button.

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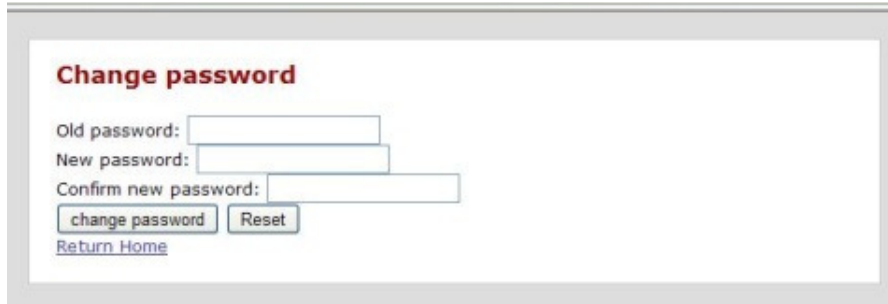
Otherwise, you will see an error page, and you can go back to login page again.

Step 3: Change Password

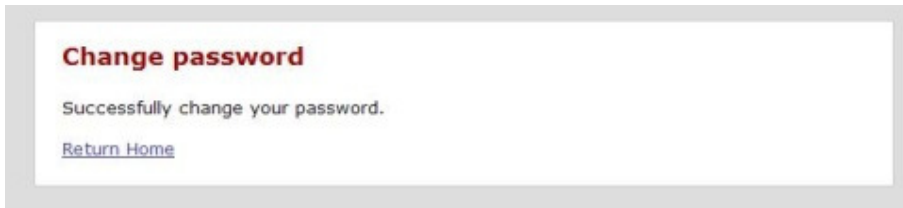
We only use PwdIP-Hash during login and not in the initial registration or password change stages.

If you log in successfully in **step 2**, you can change your password now.

- a. **Press the “changepwd” button** in the login successful page (as shown above), you will see:

A screenshot of a web form titled "Change password" in red text. The form contains three input fields: "Old password:", "New password:", and "Confirm new password:". Below the input fields are two buttons: "change password" and "Reset". At the bottom left of the form is a link labeled "Return Home".

- b. Now **change your password** to anything you want, and then **press the “change password” button**. If successful, you will see:

A screenshot of a web form titled "Change password" in red text. The form displays a success message: "Successfully change your password." Below the message is a link labeled "Return Home".

- c. Logout

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Step 4: Login in the account using PwdIP-Hash standalone application - “PwdIPHash.exe”

In this step we want you to experience the standalone program.

- a. Navigate back to login page. You can find an executable file named “PwdIPHash.exe” in the desktop. Double click to run it, you will see:



- b. You can input the URL (domain name) in the text field or select an existing one from the list (the program can detect the existing valid URLs of IE).

In our experiment, since we only test it in our web server, you just need to select it from the dropdown list (make sure that the login page is in the IE, otherwise it cannot be shown in the list), just like this:



- c. After selection, input the password in the password field:

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- d. Then the long button named ***“Create Password and Copy to ClipBoard”*** is enabled. Press it and if successful, you will get:



- e. Click “OK” button of the message box, then the generated encrypted password has been stored in the clip board. You can paste it into the password field in the login page:



- d. Then press the “login” button (of course you should input the account name):

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Hello World!

Welcome and input your account and password

Account:

Password:

If you do not have an account, please register first:

If successful, you can see the login successful page again.