

htpasswd change script

Although we don't advertise it, occasionally, we end up doing a bunch of Linux work (We're the Windows and managed service arm of Afonso Consulting , which is a Linux consulting company). On a recent project the client needed a password change script for an htpasswd file, but nothing really fit the bill. I grabbed one by David A. Horner , and modified it to bit a bit more versatile.

The script: <?php

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/* -----
-- Configurable script to change users in htpasswd
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-- This script will change users in an htpasswd file using
-- the PEAR Basic Authentication library. It imports header/footer files
-- if they are found so you can customize the look.
--
-- Installation:
-- Copy this file into a directory that is web protected and
-- update the script to point to the path of your actual htpasswd file.
-- You will need to make the htpasswd file is writable by the web server
-- user.
--
-- Author: Dan Afonso
-- Based on: David A. Horner (DAH) http://dave.thehorners.com
-- License: Public Domain
----- */

// Edit the following to setup your script
$HTPASSWD_PATH = "/etc/svn/htpasswd";
$REDIRECT_URL = "/";
$MIN_PASSLEN = 6;
$MAX_PASSLEN = -1;
$HEADER_FILE = 'password_change_header.html';
$FOOTER_FILE = 'password_change_footer.html';
// Check for header template, and display it if it's there
if (is_readable($HEADER_FILE)){
    $fh = fopen($HEADER_FILE, 'r');
    fpassthru($fh);
    fclose($fh);
} else {
?>
<html><head><title>Change Password Script</title></head><body>
<style>
.error_box {
    font-color: red;
    margin: 5px;
    border: thin solid red;
    background: goldenrod;
}
</style>

<?php
}

if(!include('File/Passwd/Authbasic.php')) {
?>
<div class="error_box"><h1>Installation Error</h1>
Your PEAR configuration is missing some required modules. You can install these
by running:
<pre>
[machine ~]# pear install Auth
[machine ~]# pear install File_Passwd
</pre>
</div>
<?php

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    exit();
}

if(strlen($_SERVER["REMOTE_USER"])==0) {
?>
<div class="error_box"><h1>Installation Error</h1>
This script must be run from a password protected directory on your web site.
Please visit <a href="http://wiki.apache.org/httpd/PasswordBasicAuth"> the
Apache Wiki</a> for more information
</div>
<?php
    exit(0);
}

/// Check if we can write to the htpasswd file
if (!is_writable($HTTPASSWD_PATH)){
?>
<div class="error_box"><h1>Installation Error</h1>
Your htpasswd file is not writable. You can change this by either:
<pre>
[machine ~]> chmod a+w <?php echo $HTTPASSWD_PATH; ?>
</pre>
... or if you prefer more security, as root you can do:
<pre>
[machine ~]# chown <?php
    $a = posix_getpwuid(posix_getuid());
    echo $a["name"] . ' ' . $HTTPASSWD_PATH; ?>
</pre>
</div>
<?php
    exit();
}

// Start processing
$user=$_SERVER["REMOTE_USER"];
$save_changes=false;

$passfile = new File_Passwd_Authbasic($HTTPASSWD_PATH);
$ret = $passfile->load();
if(!PEAR::isError($ret)) {
    echo "Hello $user, welcome to the password change script.<br>";
    $verified=false;
    if(isset($_REQUEST["currpas"]) && strlen($_REQUEST["currpas"])) {
        // The PEAR library does not handle the (default) crypt() password
        // hash. So we have to decode it manually. Luckily, all the SHA1
        // hashes start with {SHA1}, and '{' is not present in crypt()
        // hashes.
        $users = $passfile->listUser();
        $salt = substr($users[$_SERVER["REMOTE_USER"]], 0, 2);

        // Check SHA1 passwords
        if(isset($users[$_SERVER["REMOTE_USER"]]) &&
            $salt == '{S' &&
            $passfile->verifyPasswd($user,$_REQUEST["currpas"])
        ) {
            $verified=true;
            echo "Password validated via SHA1<br/>\n";
        }
        // Check crypt()
        elseif (isset($users[$_SERVER["REMOTE_USER"]]) &&
            (crypt($_REQUEST["currpas"], $salt) ==
            $users[$_SERVER["REMOTE_USER"]])) {
            $verified=true;
            echo "Password validated via crypt()<br/>\n";
        } else {

```



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}  
  
// Display the footer  
if (is_readable($FOOTER_FILE)){  
    $fh = fopen($FOOTER_FILE, 'r');  
    fpassthru($fh);  
    fclose($fh);  
} else {  
    echo "</body></html>";  
}  
?>
```