

```
1 // hooks.php
2
3 add_action( 'authenticate', 'verify_user_by_email',
4 30, 3 );
5 function verify_user_by_email($user, $username,
6 $password) {
7     if ( is_a( $user, WP_User.class ) ||
8         !empty($user->ID) )
9         return $user;
10
11     // No user found and we have an email.
12     $user = get_user_by_email($username);
13
14     if (!$user)
15         return new WP_Error('invalid_username',
16             __('<strong>ERROR</strong>: Invalid username
17             or incorrect password.'));
18
19     // Check user's login with the supplied password
20     if (wp_check_password($password, $user->user_pass,
21 $user->ID)) {
22         return $user;
23     }
24 }
```

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18     } else {
19         return new WP_Error('invalid_username',
    __('<strong>ERROR</strong>: Invalid username
20 or incorrect password.'));
21     }
22 }
23
24 function get_user_by_email($email) {
25     global $wpdb;
26
27     if (!$email)
28         return NULL;
29
30     // Look for user by email
31     $user = $wpdb->get_var( $wpdb->prepare("SELECT ID
    FROM $wpdb->users WHERE user_email =
32 %s", $email));
33
34     if ($user)
35         return get_user_by('id', $user);
36
37     return NULL;
```

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38     }
39
40 Remember to include the hooks.php file in your
WordPress theme's functions.php file like so:
41
42 // In your theme's functions.php
43
44 require_once 'hooks.php';
```