

# Migrating your Clients to another cPanel Server (cPanel to cPanel)

After moving hosting accounts from a cPanel & WHM® server to a new one, you may be wondering:

- What changes do I need to make within WHMCS to associate my existing clients with the new cPanel server?
- How do I ensure that all future automated module actions (for example, single sign-on, suspend, or terminated) are now all performed on the new cPanel server?

There are several methods available to you depending on your situation.

 This troubleshooting guide assumes that your system administrator has **already migrated** the required client cPanel accounts from the old cPanel server to the new one.

For more information, see [cPanel documentation](#).

## Method 1: Assign the New Server Record to Client's Product/Service

To assign the new server record to the appropriate product or service:

### Configure the New cPanel Server in WHMCS

1. Navigate to **Configuration > System Settings > Servers**.
2. Add your new WHM & cPanel® server to WHMCS. For more information, see [Adding a WHM & cPanel Server](#).

### Assigning the new Server to a Client's Product/Service

3. Navigate to **Products/Services** Tab in the **Client Profile**.
4. Perform the steps for the appropriate option for your needs.

The screenshot shows the 'Client Profile' page in WHMCS. At the top, there is a dropdown menu for the client, currently showing 'John Smith - #1'. Below this are several tabs: 'Summary', 'Profile', 'Users', 'Contacts', 'Products/Services', 'Domains', and 'Billable Items'. The 'Products/Services' tab is active, and a dropdown menu shows 'Bronze - examplehosting.com'. Below this, there are four rows of information: 'Order #' with a link '1 - View Order', 'Product/Service' with a dropdown showing 'Bronze', 'Server' with a dropdown showing 'cPanel Server (0/200)', and 'Domain' with a dropdown showing 'examplehosting.com'. At the bottom, there are two buttons: 'Save Changes' and 'Cancel Changes'.

## Option 1 - Change the Server for Each Client Individually

If you have a small number of clients for whom you wish assign the new server, then continue to step 4. Otherwise, skip to Option 2.

5. Ensure you have correctly selected the client you wish to assign the new server to.
6. Select the **Product/Service** you are modifying.
7. Select the **Server** from the menu that you created above in step 2 to assign the new server to this client.
8. Click **Save Changes**.

The client's server will now be associated with the new server. In order to associate more clients with the new server, please repeat steps 5 to 8 for each of them.

You may wish to use this method if you only need to move a small number of users. For example, you could use this if one or two clients need to move to a server with a greater capacity.

You may also want to use this method when moving clients gradually from an old server to a new one. This allows both servers to remain usable within WHMCS and does not require retiring the old server.

## Option 2 - Change the Server for Clients in Bulk via MySQL® Query

 This is an advanced method. Ask your database administrator or system administrator to perform this task. Always perform a complete file and database backup before performing bulk actions.

If you need to assign a new server to a large number of clients, you can perform a bulk action with a MySQL query that resembles the following example:

```
UPDATE tblhosting SET server = 'NEW_SERVER_ID' WHERE server = 'OLD_SERVER_ID';
```

The example above moves all server records, but you can customize your query for your needs.

When you run the query, make certain to change NEW\_SERVER\_ID and OLD\_SERVER\_ID to the IDs of the respective servers.

 To determine the server ID, go to **Configuration > System Settings > Servers** and view the server's information. The ID will appear in the URL, as in the example below:

```
https://<your_whmcs_host>/configservers.php?action=manage&id=1
```

In this example, the server ID is 1.

If you are using cPanel & WHM or another control panel, you can use a GUI tool like phpMyAdmin to run the query. Otherwise, use the mysql command line tool. If you need help, contact your system administrator.

## Method 2: Server Switchover

This method replaces the old cPanel & WHM server's details with the new server's details in WHMCS. This retires the old server and moves all of your clients to the new server.

This method requires that you move each account before updating the server information in WHMCS. Then, you can update the server's details by going to **Configuration > System Settings > Servers** and editing the old server.

**Servers**

Edit Server

Name: cPanel Server

Hostname: <cpanel.oldserver.com> **1**

IP Address: 10.10.10.100 **2**

**Nameservers**

Primary Nameserver: <ns1.oldserver.com> IP Address: 10.10.10.1 **3**

Secondary Nameserver: <ns2.oldserver.com> IP Address: 10.10.10.2

Third Nameserver: IP Address:

**Server Details**

Module: cPanel **Test Connection**

Username: oldserveruser **4**

Password: ..... **5**

API Token: ..... **6**

Secure:  Tick to use SSL Mode for Connections

Port: 2087  Override with Custom Port

**SSO Access Control**

This server module supports Single Sign-On for admin users. Below you can configure access permissions for this.

Access Control:  Unrestricted - Allow all admin users to connect to this server  
 Restricted - Only allow access to select admin role groups and/or users

**Save Changes** **7** Cancel Changes

To update the server details:

1. Replace the old cPanel server's hostname with the new cPanel server's hostname.
2. Enter the new cPanel server IP address.
3. If needed, change the nameservers to that of your new cPanel server.
4. Enter the new server **Username**.
5. Enter the new server **Password**.
6. Enter **API Token** for the new server.
7. Click **Save Changes**.

You do not need to associate each client and their products and services on the new server because the server ID did not change.

## Troubleshooting using the Server Sync Tool

After you migrate accounts using either method, you may want to check whether accounts are working as expected. The Server Sync Tool allows you to view this, including an overview of any discrepancies between WHMCS and your server's records.

One way to do this is by running Server Sync Tool, where during the Analyse stage you can see an overview of this along with any discrepancies between the service records within WHMCS and the records on your cPanel server.

1. Begin by navigating to **Configuration () > System Settings > Servers** or, prior to WHMCS 8.0, **Setup > Products/Services > Servers**.

**Servers**

This is where you configure all your servers so that WHMCS can communicate with them. The default server for each module is marked with an asterisk \*. You must select a default server for automatic setup to function correctly.

+ Add New Server   + Create New Group

Server Name	IP Address	Active Accounts	% Usage		Status
cPanel					
cPanel Server 1 *	10.100.5.58	8/200	4%	Login to WHM	Sync Accounts

2. Click the **Sync Accounts** button for the server you wish to analyse.
3. WHMCS will make an API call to the remote web server to fetch an up-to-date list of account records. This may take a few seconds.
4. Upon completion, an analysis summary report will be displayed to you that looks something like the following.

Home | Client Area | My Notes | My Account | Logout

1 Pending Orders | 3 Overdue Invoices | 8 Ticket(s) Awaiting Reply

Utilities | Clients | Orders | Billing | Support | Reports | Utilities | Addons | Setup | Help

You are currently accessing the admin area using an insecure connection. We recommend using SSL encryption (https) for security. If you don't yet have an SSL Certificate, you can [buy one here](#).

**Server Sync**

Step 2 of 4: Analyse

Module/Server							WHMCS						Import /Sync	
Domain	Primary IP	Username	Product	Status	Created	ID	Domain	Primary IP	Username	Product	Status	Created		
x v71.test.whmcs.rocks	208.74.120.226	v71whmcssupport	default	Active	2016-11-22								No match found in WHMCS	
✓ v63.test.whmcs.rocks	208.74.120.226	v63whmcssupport	default	Active	2016-04-27	2	v63.test.whmcs.rocks	208.74.120.226	v63whmcssupport	default	Active	2016-04-27		
x v62.test.whmcs.rocks	208.74.120.226	v62whmcssupport	default	Active	2016-04-27								No match found in WHMCS	
✓ v60.test.whmcs.rocks	208.74.120.226	v60whmcssupport	default	Active	2016-04-27	3	v60.test.whmcs.rocks	208.74.120.226	v60whmcssupport	default	Active	2016-04-27		
0 supportwhmcs.biz	208.74.120.226	supportwhmcs	PackageNotInWHMCS	Active	2016-04-26	4	supportwhmcs.biz	208.74.120.226	supportwhmcs	default	Active	2016-04-26		
✓ v78.test.whmcs.rocks	208.74.120.226	v78whmcssupport	default	Active	2019-07-24	6	v78.test.whmcs.rocks	208.74.120.226	v78whmcssupport	default	Active	2019-07-24		
✓ v73.test.whmcs.rocks	208.74.120.226	v73whmcssupport	default	Active	2017-08-25	5	v73.test.whmcs.rocks	208.74.120.226	v73whmcssupport	default	Active	2017-08-25		
x v61.test.whmcs.rocks	208.74.120.226	v61whmcssupport	default	Active	2016-04-27								No match found in WHMCS	
✓ v72.test.whmcs.rocks	208.74.120.226	v72whmcssupport	default	Active	2017-04-11	7	v72.test.whmcs.rocks	208.74.120.226	v72whmcssupport	default	Active	2017-04-11		
0 v70.test.whmcs.rocks	208.74.120.226	v70whmcssupport	PackageNotInWHMCS	Active	2016-09-08	8	v70.test.whmcs.rocks	208.74.120.226	v70whmcssupport	default	Active	2016-09-08		
x v76.test.whmcs.rocks	208.74.120.226	v76whmcssupport	default	Active	2018-06-28								No match found in WHMCS	
x testing.qa.whmcs.com	208.74.120.226	gcwhmcssupport	PackageNotInWHMCS	Active	2018-12-19								No match found in WHMCS	
x v75.test.whmcs.rocks	208.74.120.226	v75whmcssupport	default	Active	2018-02-22								No match found in WHMCS	
✓ v77.test.whmcs.rocks	208.74.120.226	v77whmcssupport	default	Active	2018-12-19	9	v77.test.whmcs.rocks	208.74.120.226	v77whmcssupport	default	Active	2018-12-19		
x v74.test.whmcs.rocks	208.74.120.226	v74whmcssupport	default	Active	2017-08-25								No match found in WHMCS	

Check All

Continue

**i** Do not click the **Continue** button if an account is missing. Review the cPanel migration logs and make sure it was transferred to the new server.

For more information, see [Server Sync Tool](#).

## Further Reading

- [ImportAssist](#)
- [Server Sync Tool](#)

- [cPanel & WHM Import Script](#)
- [Manual Entry](#)