

# Comet Provisioning Module for WHMCS

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## Requirements

- Comet Server v18.9.2+
- WHMCS v7.6.0+

Earlier versions of these products may work with some caveats, but are untested.

# Installation and Configuration

1. Extract the module .zip file
2. Upload the module folder to your WHMCS provisioning module folder, and rename it to **cometbackup**.
  - e.g. **your\_whmcs\_root\_folder / modules / servers / cometbackup**
3. Navigate to **Setup > Products/Services > Servers** and click **Add New Server**.
4. Choose a name, and input your Comet server's connection details (including port, but not protocol) in the **hostname** field.

**Servers** Help

**Add Server**

Name: Example Comet Server

Hostname: example.com:8060

IP Address:

Assigned IP Addresses (One per line):

Monthly Cost:

Datacenter/NOC:

Maximum No. of Accounts: 200

5. Select **Comet Backup** as the server's **Type**, enter your login details, choose your connection protocol (http/https) and click **Save**.

**Server Details**

Type: Comet Backup Test Connection

Username: admin

Password: .....

Access Hash (Instead of password for cPanel servers):

Secure: ☒ Tick to use SSL Mode for Connections

Save Changes Cancel Changes

- You can use the **Test Connection** button to confirm whether your server is accessible using the provided address and credentials.
6. While still in the **Servers** area, click **Create New Group** and assign your server to your new server group.

**Servers** Help

Create New Group

Name

Fill Type  
☒ Add to the least full server  
☐ Fill active server until full then switch to next least used

Selected Servers

Add »

« Remove

- We *strongly* recommend that you only have one server per Comet server group in WHMCS - having more than one server in a group may result in unexpected behaviour.

7. Navigate to **Setup > Products/Services > Products/Services**.

8. Create a product group if none exists.

**Products/Services** Help

Create Group

Product Group Name

Product Group Headline

Product Group Tagline

Group Features *You must save the product group for the first time before you can add features*

9. Create a new product, assigned to your product group.

**Products/Services** Help

Create a New Product

Product Type

Product Group

Product Name

10. In the product's **Details** tab, we recommend *disabling* the **Require Domain** option.

The screenshot shows the 'Edit Product' interface in the 'Details' tab. The 'Require Domain' option is highlighted with a red rectangle. It consists of a checkbox and the text 'Tick to show domain registration options'. The checkbox is currently unchecked. Other visible options include 'Product Type' (Other), 'Product Group' (Comet Backup Example), 'Product Name' (Comet Backup Example Product), 'Product Description' (with HTML formatting instructions), 'Welcome Email' (None), 'Stock Control' (unchecked), 'Apply Tax' (unchecked), 'Featured' (unchecked), 'Hidden' (unchecked), and 'Retired' (unchecked). At the bottom are 'Save Changes' and 'Cancel Changes' buttons.

11. In the product's **Module Settings** tab, select **Comet Backup** and choose the new server group.

The screenshot shows the 'Edit Product' interface in the 'Module Settings' tab. The 'Module Name' is set to 'Comet Backup' and the 'Server Group' is set to 'Example Cor'. Below these, there are sections for 'Policy Group' (with a '[Create New Policy C]' button and a note about its function) and 'Storage Vault' (with a 'Mair' dropdown and a 'Request an initial storage vault for new users' button). At the bottom, there are four radio button options for automatic setup: 'Automatically setup the product as soon as an order is placed' (selected), 'Automatically setup the product as soon as the first payment is received', 'Automatically setup the product when you manually accept a pending order', and 'Do not automatically setup this product'. A 'Switch to Advanced Mode' link is also present. At the bottom are 'Save Changes' and 'Cancel Changes' buttons.

- If you wish for new orders to be automatically accepted and new accounts to be immediately created on the Comet server, you should select **Automatically setup the**

**product as soon as an order is placed** in the **Module Settings** tab

12. Select a policy group and storage vault if desired, and save your changes.

- If the **[Create New Policy Group]..** option is selected, this will cause a new policy group to be created and assigned on the Comet server with the following options:
  - Storage vault creation / editing / deletion disallowed
    - This helps to ensure that users cannot avoid storage vault quotas assigned via WHMCS.
    - Available storage vault types are restricted to the Comet server type, preventing reassignment of an existing vault to a different type.
  - Password changes via the client software are disallowed and admins are allowed to reset user passwords.
    - This requires users to manage their passwords via WHMCS, keeping the WHMCS password on file in sync with the actual password on the Comet server.
- New policy groups will be created the first time the module attempts to assign them to a new account.

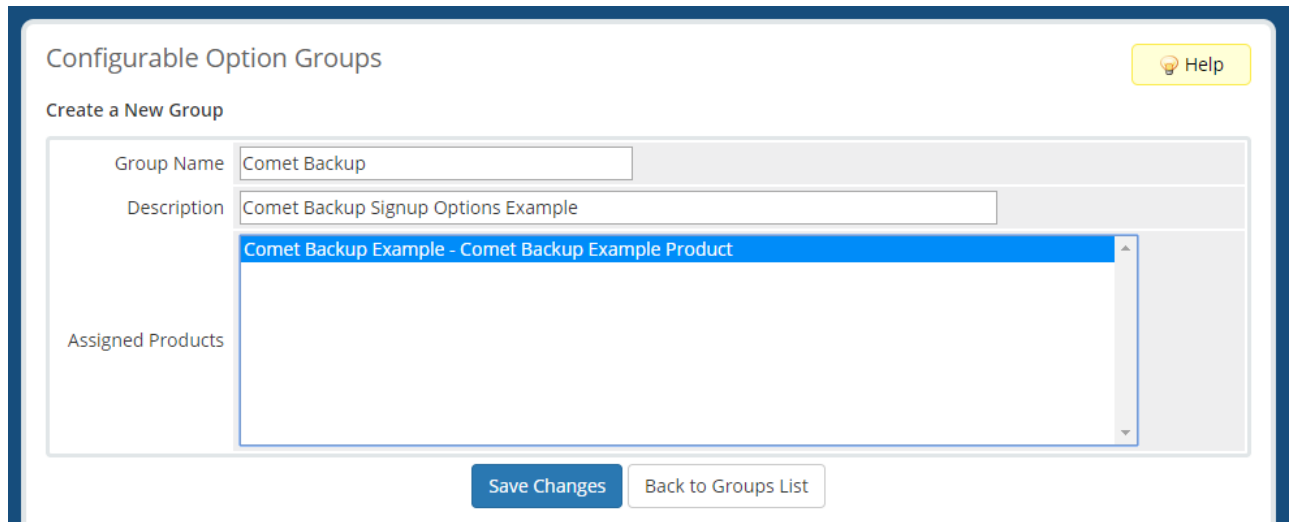
13. This product can now be used to provision and manage Comet accounts from WHMCS.

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# Setting up Configurable Options

Configurable options are presented to your users during sign-up. The Comet provisioning module for WHMCS currently supports configurable options for maximum device limits, protected item quotas, and storage vault quotas.

1. Navigate to **Setup > Products/Services > Configurable Options** and click **Create a New Group**.
2. Pick a sensible group name, select your new product in the **Assigned Products** list, then click **Save**.



Configurable Option Groups

Create a New Group

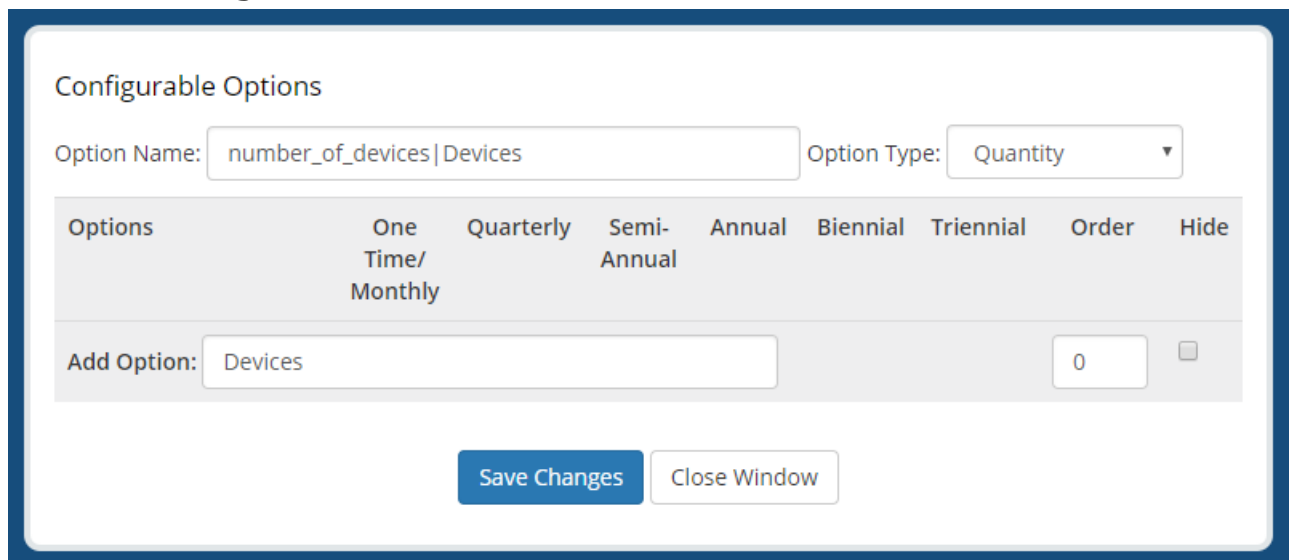
Group Name: Comet Backup

Description: Comet Backup Signup Options Example

Assigned Products: Comet Backup Example - Comet Backup Example Product

Save Changes Back to Groups List

3. Click **Add New Configurable Option**.
4. Enter an **Option Name**. You must choose from the following list, with the left-side preceding "|" being an exact match, and the right side being the label your customers will see when ordering a product:
  - `number_of_devices`|Devices
  - `protected_item_quota_gb`|Protected Items Quota (GB)
  - `storage_vault_quota_gb`|Initial Storage Vault Quota (GB)
5. Set **Option Type** to **Quantity**.
6. In **Add Option**, enter `GB` or `Devices` depending on the option you're configuring.
7. Click **Save Changes**.



Configurable Options

Option Name: number\_of\_devices|Devices Option Type: Quantity

Options	One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide
Add Option: Devices							0	<input type="checkbox"/>

Save Changes Close Window

8. Enter desired values for minimum and maximum quantities in **Minimum Quantity Required** and **Maximum Allowed** respectively.

Configurable Options

Option Name:  Option Type:

Minimum Quantity Required:  Maximum Allowed:  (Set to 0 for Unlimited)

Options		One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennia
Devices	Setup	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
	Pricing	<input type="text" value="10"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>

- If this is intended to be a hidden option, simply set both quantities to your desired value. The **hidden** status can be set at the group level.
9. Enter desired per-unit pricing.
    - *Note:* **Payment Type** should be set to a corresponding setting in the **Pricing** tab of your product's configuration area in order for this pricing to be utilised.

Products/Services

Edit Product

Details Pricing Module Settings Custom Fields Configurable Options Upgrades Free Domain Other Links

Payment Type ☐ Free ☐ One Time ☒ Recurring

Currency		One Time/Monthly	Quarterly	Semi-Annually	Annually	Biennially	Triennially
USD	Setup Fee	<input type="text" value="0.00"/>					
	Price	<input type="text" value="0.00"/>					
	Enable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. Click **Save Changes** again, then **Close Window**.
11. Repeat steps 3 to 10 again for additional desired restrictions as per step 4.

## Customer Usage

Step 1 Choose Domain

Step 2 Choose Options

Step 3 Review & Checkout

### choose billing cycle

☒ \$15.00 USD Monthly + \$20.00 USD Setup Fee

### configurable options

Devices: 2

Storage Quota (GB): 600

Total Due Today: \$105.00 USD

Total Recurring Monthly: \$85.00 USD

choose another product

view cart

add to cart & checkout »

*Selecting new service options for Comet*

1. Choose your Comet product from cart.php (e.g. [http://your\\_whmcs\\_url.com/cart.php](http://your_whmcs_url.com/cart.php)).
  2. Options will present based on the **Configurable Options** that you have assigned to the product.
  3. Complete order.
  4. Depending on the product configuration as per step **11** of **Installation and Configuration**, the module **create** command may run.
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## Admin Area Usage

Order #	65 - View Order	Registration Date	31/10/2018
Product/Service	Comet Backup Example Produ	First Payment Amount	0.00
Server	Example Comet	Recurring Amount	0.00
Domain		<input type="checkbox"/> Auto Recalculate on Save	
Dedicated IP		Next Due Date	N/A
Username	example.account	Termination Date	
Password	fRt61j[V.Hg86l	Billing Cycle	Free
Status	Active	Payment Method	Direct Deb <a href="#">View Invoices</a>
Devices	5 x Devices	Promotion Code	None (Change will not affect price)
Initial Storage Vault Quota	10 x GB		
Protected Items Quota	1 x GB		
Module Commands	<a href="#">Create</a> <a href="#">Suspend</a> <a href="#">Unsuspend</a> <a href="#">Terminate</a> <a href="#">Change Package</a> <a href="#">Change Password</a>		

*Viewing client service options from the admin area*

### Changing Passwords

1. Set the new user password in the customer's **Products/Services** tab.
2. Save your changes.
3. Run the **Change Password** action from the module commands area.

### Changing Quotas

1. Set the new protected item / storage vault / device quota values in the customer's **Products/Services** tab.
2. Save your changes.
3. Run the **Change Package** action from the module commands area.

### Other Actions

All other module commands can be run directly from a customer's **Products/Services** tab without the need to perform additional steps such as saving first.