

# Comet Provisioning Module for WHMCS

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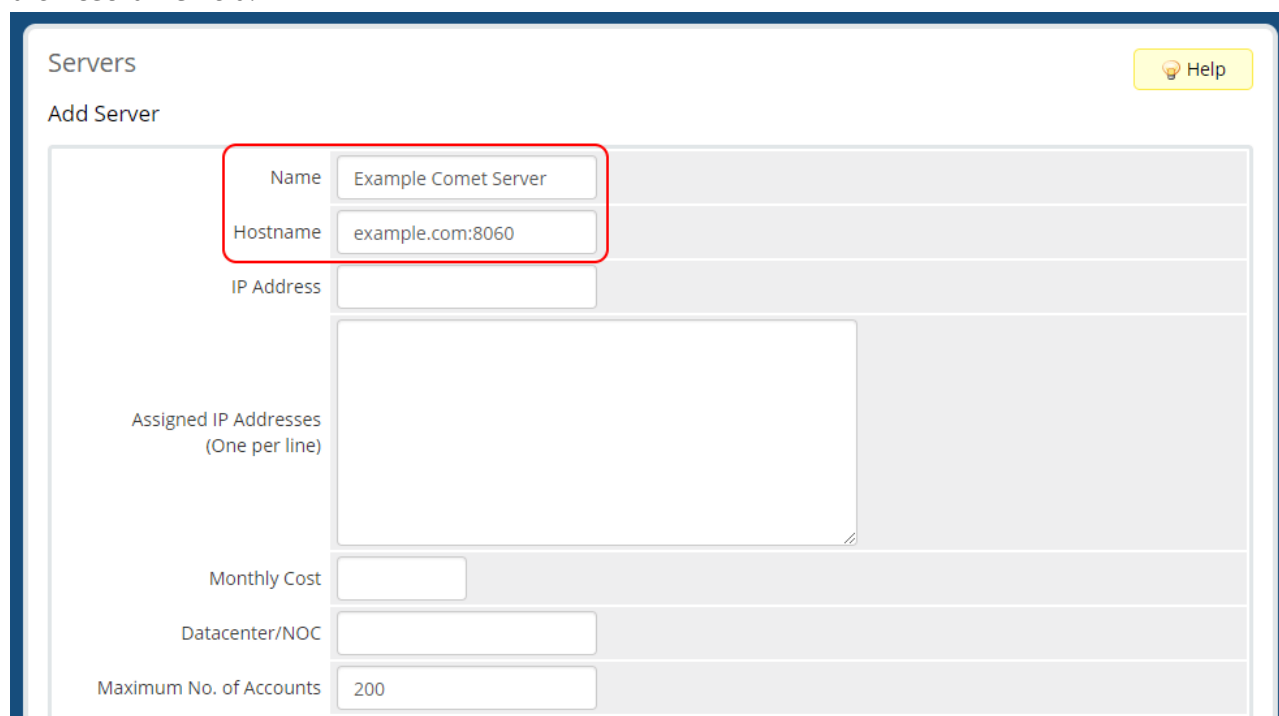
## Requirements

- Comet Server v18.9.2+
- WHMCS v7.6.0+
- PHP v5.6.0+

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.

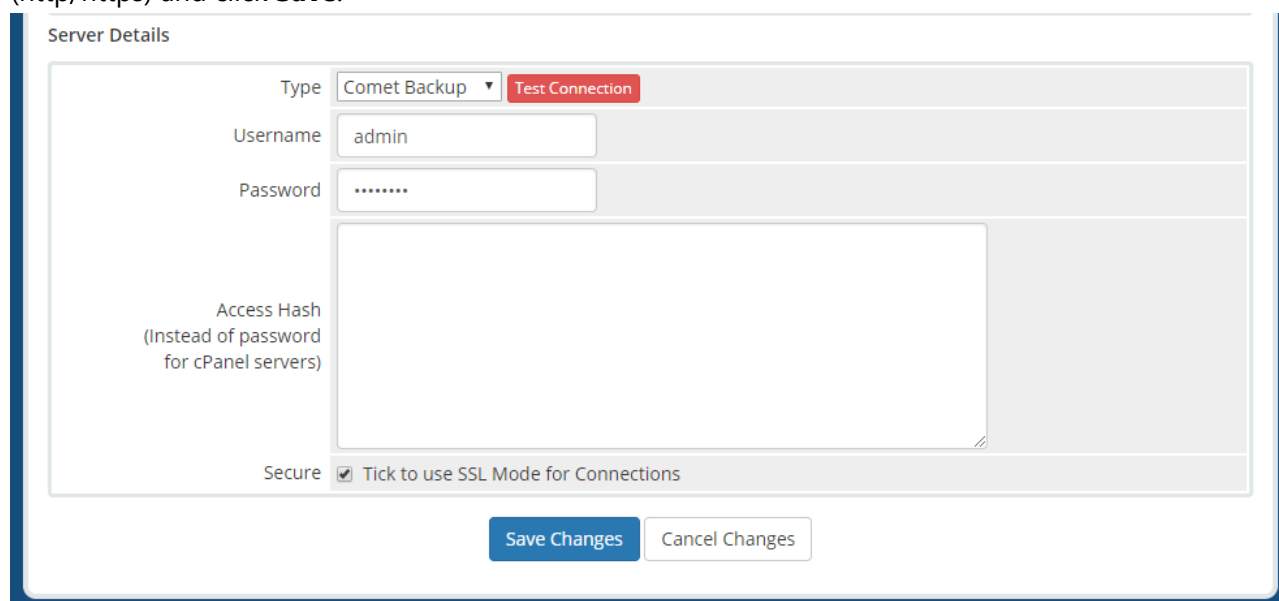


The screenshot shows the 'Servers' management interface in WHMCS. The 'Add Server' form is displayed with the following fields:

- Name:** Example Comet Server
- Hostname:** example.com:8060
- IP Address:** (empty)
- Assigned IP Addresses (One per line):** (empty text area)
- Monthly Cost:** (empty)
- Datacenter/NOC:** (empty)
- Maximum No. of Accounts:** 200

A red rectangular box highlights the 'Name' and 'Hostname' input fields.

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

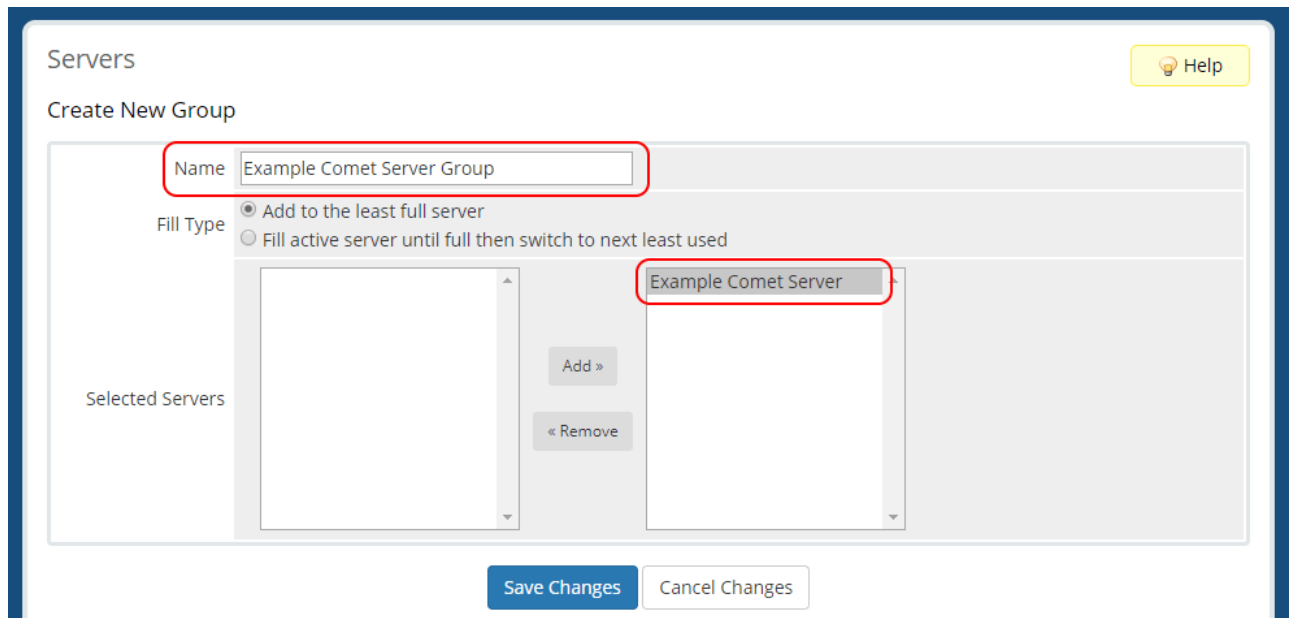


The screenshot shows the 'Server Details' form in WHMCS. The form includes the following fields and options:

- Type:** Comet Backup (dropdown menu)
- Test Connection:** (button)
- Username:** admin
- Password:** (masked with dots)
- Access Hash (Instead of password for cPanel servers):** (empty text area)
- Secure:** ☒ Tick to use SSL Mode for Connections

At the bottom of the form are two buttons: **Save Changes** and **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:

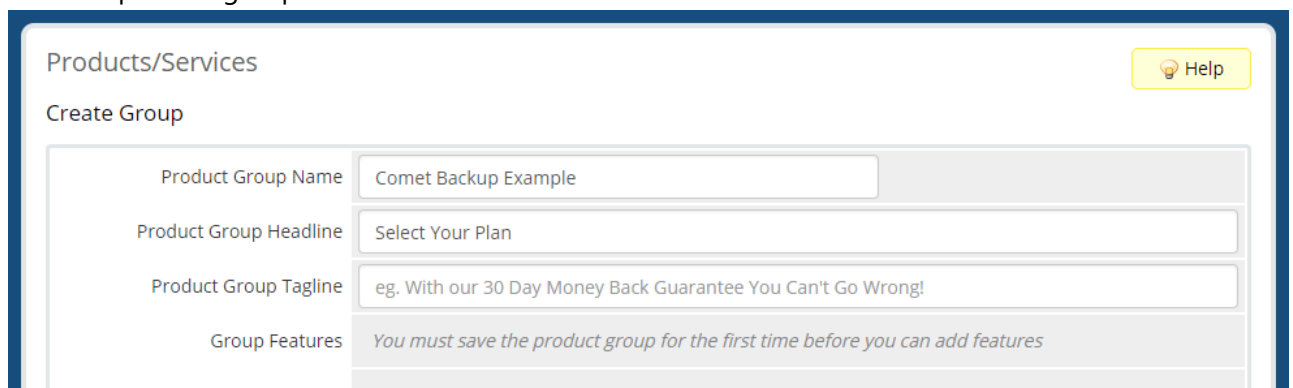
Fill Type:  
☒ Add to the least full server  
☐ Fill active server until full then switch to next least used

Selected Servers:

- 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

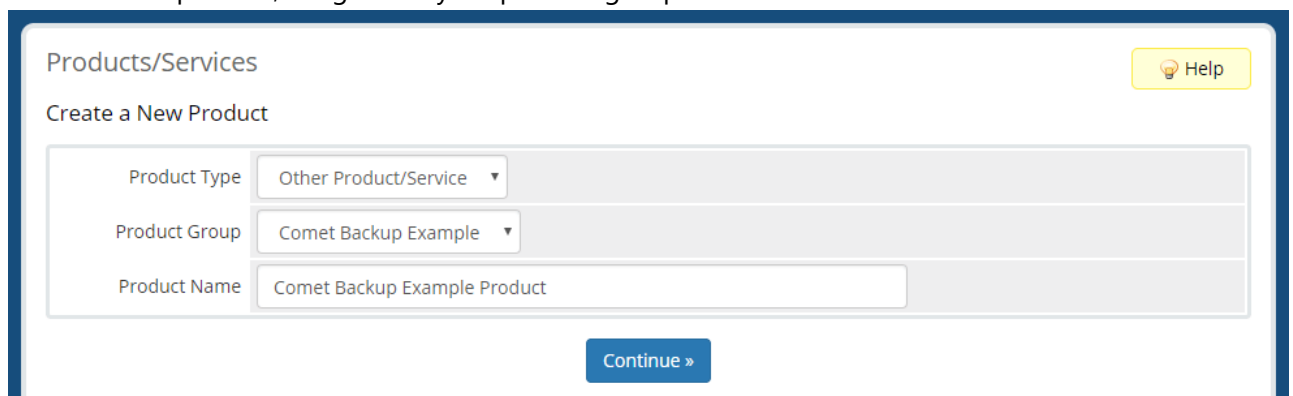
Product Group Name:

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.

Products/Services Help

Edit Product

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

Product Type: Other

Product Group: Comet Backup Example

Product Name: Comet Backup Example Product

Product Description:   
 You may use HTML in this field  
 <br /> New line  
 <strong>Bold</strong> Bold  
 <em>Italics</em> Italics

Welcome Email: None

**Require Domain** ☐ Tick to show domain registration options

Stock Control ☐ Enable - Quantity in Stock: 0

Apply Tax ☐ Tick this box to charge tax for this product

Featured ☐ Display this product more prominently on supported order forms

Hidden ☐ Tick to hide from order form

Retired ☐ Tick to hide from admin area product dropdown menus (does not apply to services already with this product)

Save Changes Cancel Changes

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

Products/Services Help

Edit Product

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

Module Name: Comet Backup Server Group: Example Cor

Policy Group: [Create New Policy C] Select a policy group to apply to users of this product

Note: The [Create New Policy Group] option will cause a new policy group to be created - for technical reasons, this one-time action is postponed to the first time a new account is created using this product.

Storage Vault: Mair Request an initial storage vault for new users

[Switch to Advanced Mode](#)

☒ Automatically setup the product as soon as an order is placed

☐ Automatically setup the product as soon as the first payment is received

☐ Automatically setup the product when you manually accept a pending order

☐ Do not automatically setup this product

Save Changes Cancel Changes

- 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** Help

Create a New Group

Group Name:

Description:

Assigned Products:

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:  Option Type:

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

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/<br>Monthly              | Quarterly                         | Semi-<br>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<br>(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.