

UGCC and WHMCS

Brainless Technologies Ltd.

<https://www.brainless.us>

UGCC Module Version 1.5

License

GPLv3

<https://www.gnu.org/licenses/gpl-3.0.txt>

Requirements

Designed for WHMCS 7.10.2, verified working up to 8.1. Please note menu locations may differ depending on your version of WHMCS.

Minimum required version of UGCC: 2.461

Assumptions

We assume you already have a licensed UGCC install available with a working auto installer system. If not please see our following guides:

- Purchase licenses: <https://www.brainless.us/products.aspx>
- Quick install guide: <https://www.brainless.us/ugccinstall.aspx>
- Quick auto installer guide: <https://www.brainless.us/forum/viewtopic.php?f=21&t=2093>

Support

We're here to help. Feel free to reach out to us via any of the contact options listed on our [contact us](#) page. We're a small business and Discord is recommended as others will help out if we're AFK.

Module/Product Ideology

The module was designed so that each base product has a minimal player slot count already included, for example let's say 12. When customers purchase a server, they have the option to add additional slots. This guide was created with this in mind, if you choose not to do it this way you may make the various changes as required. It should still work, but the module code expects all of the custom fields and configuration options to be specified.

If you want to change any of the custom field names, option group names, or module config options; you can use WHMC's friendly name feature (see section later in documentation) or update the `ugcc.php` script to reference these new names. But you really need to know what you're doing if updating the module's code. Feel free to contact us if you have feedback or need customization of the module.

Module Installation

Place the contents of the archive in `<whmcs_root>/modules/servers`. The module's folder name cannot be changed. The path to the module should be `<whmcs_root>/modules/servers/ugcc`

Setup UGCC Server within WHMCS

In WHMCS navigate to System Settings → Servers

Add a new server

For module choose 'UGCC Provisioning Module'

Hostname should be the FQDN or IP address of you UGCC install. Do not use IP field.

Enter an admin account's username and password. Click Test Connection. If you're using non-standard ports the test will probably fail (that's ok). Click continue anyways.

Fill in the desired Name, Hostname, Maximum No. of Accounts under Edit Server.

Fill in Username, Password in Server Details. Select whether to use Secure Connections (https basically) and specify the port the UGCC Web Panel listens on. You may have to select the Override with Custom Port tick box.

Click the test connection button.

Once the test passes click save.

On the Servers overview page there is a 'UGCC Admin Login' button that will allow staff to access the panel as the user defined above. You may also use WHMCS's connect tool under utilities.

If you only have one web panel managing multiple remote nodes, you're done. But if you have multiple installs that are standalone, you can enter the information for each UGCC panel here.

Friendly Display Names

A quick note about config names shown to users. If the configurable options values/names/text don't seem reasonable, you can use WHMCS friendly display names. WHMCS can display a friendly name to visitors on the order form, emails, and invoices, but still send the required machine code to the module. See the SSD configuration option for an example that uses friendly names.

To achieve this, use the format "required value | display value". For example:

- Additional Player Slots | Player Slots
- Server CPU Priority | Priority
- RAM Allowance | Max Memory
- etc.

Create a new Option Group

Here we'll create the customer selectable number of slots when they order a server. This will have to be set per product. New option groups will have to be created if pricing, min or max quantity differs.

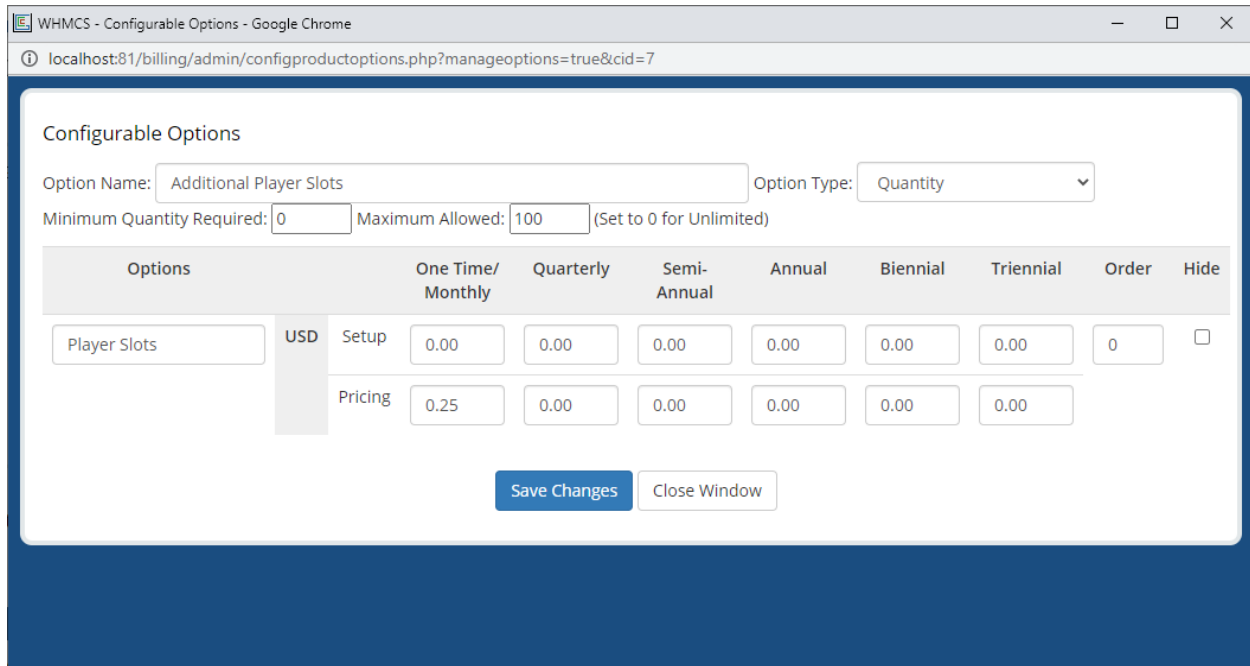
Navigate to System Settings → Configurable Options

Create a new group, Enter Group Name and Description. Click Save.

A configurable options area will now appear. Click the Add New Configurable Option button.

In the new window that appears type an Option Name (i.e., Additional Player Slots), set the type to Quantity. Set the Add Option text box to Additional Player Slots. Click Save. New options will now appear.

Enter a minimum and maximum quantity. Then set the prices for each additional slot. Click save changes.



The screenshot shows the WHMCS 'Configurable Options' interface in a Google Chrome browser window. The address bar shows the URL: localhost:81/billing/admin/configproductoptions.php?manageoptions=true&cid=7. The page title is 'Configurable Options'. Below the title, there are input fields for 'Option Name' (containing 'Additional Player Slots') and 'Option Type' (a dropdown menu set to 'Quantity'). Below these are fields for 'Minimum Quantity Required' (0) and 'Maximum Allowed' (100), with a note '(Set to 0 for Unlimited)'. The main part of the interface is a table with columns: Options, One Time/Monthly, Quarterly, Semi-Annual, Annual, Biennial, Triennial, Order, and Hide. The 'Options' column has a search box containing 'Player Slots'. The table shows pricing for 'USD'. The 'Setup' row has values: 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, and an order of 0. The 'Pricing' row has values: 0.25, 0.00, 0.00, 0.00, 0.00, 0.00. At the bottom of the table are two buttons: 'Save Changes' and 'Close Window'.

Options	One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide
Player Slots	0.00	0.00	0.00	0.00	0.00	0.00	0	<input type="checkbox"/>
	0.25	0.00	0.00	0.00	0.00	0.00		

Repeat the above process three more times for the Install on SSD, RAM Allowance and Server CPU Priority options. Screen shots below. **Ram Allowance, SSD, and CPU priority are optional and need not be setup if unneeded.**

WHMCS - Configurable Options - Google Chrome

localhost:81/billing/admin/configproductoptions.php?manageoptions=true&cid=9

Configurable Options

Option Name: Option Type:

Options			One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide
6 GB	USD	Setup	0.00	0.00	0.00	0.00	0.00	0.00	0	<input type="checkbox"/>
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00		
12 GB	USD	Setup	0.00	0.00	0.00	0.00	0.00	0.00	0	<input type="checkbox"/>
		Pricing	15.00	0.00	0.00	0.00	0.00	0.00		
Add Option:									0	<input type="checkbox"/>

(For the RAM options, you need to have the size units; only MB, GB, and PB are allowable. With or without space and case does not matter)

WHMCS - Configurable Options - Google Chrome

localhost:81/billing/admin/configproductoptions.php?manageoptions=true&cid=8

Configurable Options

Option Name: Option Type:

Options			One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial	Order	Hide
Normal	USD	Setup	0.00	0.00	0.00	0.00	0.00	0.00	0	<input type="checkbox"/>
		Pricing	0.00	0.00	0.00	0.00	0.00	0.00		
High	USD	Setup	0.00	0.00	0.00	0.00	0.00	0.00	0	<input type="checkbox"/>
		Pricing	5.00	0.00	0.00	0.00	0.00	0.00		
Realtime	USD	Setup	0.00	0.00	0.00	0.00	0.00	0.00	0	<input type="checkbox"/>
		Pricing	10.00	0.00	0.00	0.00	0.00	0.00		
Add Option:									0	<input type="checkbox"/>

(Options (Normal, High, Realtime) have to be defined exactly as shown or use Friendly Name feature)

WHMCS - Configurable Options - Google Chrome

http://localhost:81/billing/admin/configproductoptions.php?manageoptions=true&cid=13

Configurable Options









Option Name: Option Type:

Options		One Time/ Monthly	Quarterly	Semi- Annual	Annual	Biennial	Triennial
0 No	USD	Setup	0.00	0.00	0.00	0.00	0.00
		Pricing	0.00	0.00	0.00	0.00	0.00
1 Yes	USD	Setup	0.00	0.00	0.00	0.00	0.00
		Pricing	20.00	0.00	0.00	0.00	0.00

Add Option:

(Options for SSD. The text after '|' in option name and options can be changed to whatever you like. If a user selects 'Yes' (value 1) the installer will install to the alternate install location setup within the panel for chosen server definition, otherwise primary install location is used when set to 'No' (value 0))

You should now have some configurable options. Example:

Option	Sort Order	Hidden	
Additional Player Slots	<input type="text" value="0"/>	<input type="checkbox"/>	 
Ram Allowance	<input type="text" value="0"/>	<input type="checkbox"/>	 
Server CPU Priority	<input type="text" value="0"/>	<input type="checkbox"/>	 
SSD Install on SSD	<input type="text" value="0"/>	<input type="checkbox"/>	 

Create a new product

Sample screen shots are included at the end of this document.

Navigate to System Settings→Products/Services

Create a New Group

Create a New Product

Choose 'Other' product type, select a Product Group, and enter a product Name (Probably a game server i.e., Minecraft or Counter-Strike: GO, etc.). Select the UGCC Provision Module. Set Create hidden to off if you'd like, otherwise remember you'll have to unhide it after setup is complete. Click Continue.

On the Details tab enter what you'd like.

Set your pricing on the Pricing Tab.

On the module settings tab, Choose the auto installer templates that UGCC should use to install this product. There are two template options so the panel knows which installer to use depending if the chosen target server is Linux or Windows (if your environment is strictly Windows or Linux, you can safely specify the same installer config in both places). Set the base player count for this product. If the product by default comes with say 12 player slots, you'd enter 12 here. If it comes with zero slots, enter 0. Also set your preference for auto setup or not on this tab. If you choose not to automatically setup, you'll still be able to manually through WHMCS's product admin page.

On the Custom Fields Tab, create four new fields (These are all required, name/type must not be changed (can use friendly names feature though). Everything else can be modified):

Field 1:

Name: UID,

Type: Text Box

Desc: Used internally by module, do not set a value.

Select the Admin Only checkbox

Note: Used internally by the Module

Field 2:

Name: SID

Type: Text Box

Desc: Used internally by module, do not set a value.

Select the Admin Only checkbox

Note: Used internally by the Module

Field 3:

Name: Location

Type: Drop Down

Description: Location of server (pick the region closest to you)

Select Options Textbox: Names of locations setup within UGCC separated by commas (i.e., Chicago, New York, Seattle (Use friendly names to target the location within UGCC))

Select the Required Field, Show on Order Form checkboxes

Note: These let customers define where they want their servers placed and should very closely match the locations defined in the panel. If the panel can't match the selected option to an entry in the panel's location list the auto install could either fail or default to server definition 1. This uses the location groups setting of your panel's server definitions.

Note 2: If you only have one location, you can uncheck the 'Show on Order Form' checkbox. Leave 'Required' selected and enter your location in 'Select Options'.

Field 4:

Name: GCP Password

Type: Password

Desc: Password to use with game server control panel, can be left blank for a random password. If you have multiple products, enter the password you're currently using.

Validation (may need tweaked): /^(?=.*\d)(?=.*[A-Za-z])[0-9A-Za-z!@#%]{8,}\$/

Select Show on Order Form

Note: If left blank module will use the random password provided by WHMCS. Validation will enforce 8 char password, number and uppercase chars.

Configurable Options tab: Select the Option group that you created earlier.

You may review the other tabs and configure to your liking. But the basics are finished in regards to this guide.

Click Save Changes.

Note that you can duplicate this Product when you need to setup your next product. You may need to also create a new config option for the player slot selection if the pricing or minimum/maximum player count values differ from what was originally created.

And congrats you should be done with your first product!

Admin Product Page

Here admins may manage an ordered product. A sample screen shot is below.

Username will be blank on a new product; the module will set the username to the customer's email if blank.

Password will be replaced with GCP Password if GCP Password is not blank. When the create button is clicked an account will be created and the GCP Password (or Password field if GCP Password was not specified) will be set for the account. If an account already exists in the panel the password is not changed.

Create will create the user account and set the password (see above about password), the module will then get the user's ID from the panel and populate the UID field. Next, it'll make the API call to install the server, passing the location, UID, installer templates (from Product definition), and Base Slots (from Product definition) + Additional slots select by the user. When the API returns the new server's ID the module will populate the SID field. The panel API will start the server and send a welcome email to the user once the server setup is complete. Create will not run again if SID (server ID) has a value set.

Once Create returns a SID (server ID), the panel could still be installing the server. The API call only returns when the SID is known and then continues the install process. Let the panel start the server when it's finished. You should be Bcc'd on the welcome email. If you don't see the welcome email you can investigate using the panel's logs.

Suspend / Unsuspend – Will disable/enable and stop/start the game server. It does not disable the user's panel account as they could have other, active products. Nothing is deleted or removed.

Terminate – Will stop and disable the server, much in the same was as Suspend does. If the panel disables the last active server for the account, the panel will disable the user's account.

Change Password – Updates the password in the panel to the contents of 'Password' field. Keep in mind if a user changed their password through the panel it may block their access. If a user didn't specify a

GCP Password when checking out and has multiple products, the passwords could be different. You can use the UGCC User Login button to determine which if any password is currently used.

Stop / Start Server – Admins can quickly stop/start a server

Delete server – Delete a server and its files. The server will be stopped if running.

UGCC User Login button allows admins to login into the panel with the user's account info. The account info on the current page is used, if user's password is different in the panel it will not work.

Minecraft

Go

UGCC User Login

New Addon

More

Order # 24 - View Order

Product/Service

Minecraft

Server

UGCC1 (6/200 Accounts)

Domain

Dedicated IP

Username

awh@brainless.us

Password

4FKb3j3t0Aij

Status

Active

Registration Date

02/07/2021

Quantity

1

First Payment Amount

9.00

Recurring Amount

9.00

Recalculate on Save

No

Next Due Date

03/07/2021

Termination Date

Billing Cycle

Monthly

Payment Method

Mail In Payment

Promotion Code

None

Additional Player Slots

12

x Player Slots \$0.25 USD

Ram Allowance

☒ 6 GB

☐ 12 GB \$15.00 USD

Server CPU Priority

☒ Normal

☐ High \$5.00 USD

☐ Realtime \$10.00 USD

Install on SSD

☐ Yes \$20.00 USD

Module Commands

Create

Suspend

Unsuspend

Terminate

Change Password

Stop Server

Start Server

Delete Server

Server Name

Minecraft Server (Linux) - 25565

Server Details

192.168.20.51:25565

Server Status

Running

Addons

Reg Date	Name	Pricing	Status	Next Due Date
No Records Found				

UID

16

SID

576

Location

Ohio

GCP Password

Sample admin product page

Client Management Page

The client's management page uses a custom template and is pretty simplistic. The idea is for the user to use the panel for managing their servers. Though this page does give them the status of their server, IP/Port information, and buttons to stop and start a server. The large 'Game Control Panel Login' button uses the product's username/password info to log in to the panel.

AppsLoginBrainless Tech - Ga...JSON Utils - Genera...Weather Undergro...VM10 UGCCMain Menu»Other bookmarks

Brainless Technologies Ltd.EnglishNotificationsNEWLogout

HomeServicesBillingSupportOpen TicketHello, Alan!

★ Overview

Information

Actions

Change Password

Start Server

Stop Server

Request Cancellation

Manage Product

Portal Home / Client Area / My Products & Services / Product Details

Dev License: This installation of WHMCS is running under a Development License and is not authorized to be used for production use. Please report any cases of abuse to abuse@whmcs.com

You have an unpaid invoice. Pay it now to avoid interruption in service.[Pay Invoice](#)

Overview

Access the GCP Login button below for more management features.

Server Status	Stopped
Server Information	192.168.20.50:25645

Product Details

Registration Date	Wednesday, September 9th, 2020
Product/Service	Game Servers - Minecraft Java Edition
Username	awh@brainless.us
Additional Slots	0 x Additional Player Slots \$0.25 USD
Location	Ohio
GCP Password	
Payment Method	Mail In Payment
First Payment Amount	\$3.00 USD
Recurring Amount	\$3.00 USD
Next Due Date	Wednesday, September 9th, 2020
Billing Cycle	Monthly
Status	Active

Game Control Panel Login

Powered by WHMCompleteSolution

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Example management page for Users

Customer order form

The order form allows the customer to specify a location (defined in the Product's module settings), additional player slots, CPU Priority Options, Install Location (SSD, backup area, etc.) and RAM options, and a password. The password is useful if the customer already has a product setup in the panel.

Configure

Configure your desired options and continue to checkout.

Minecraft

Choose Billing Cycle

\$6.00 USD Monthly ▾

Configurable Options

Additional Player Slots



Ram Allowance

- ☒ 6 GB
- ☐ 12 GB \$15.00 USD

Server CPU Priority

- ☒ Normal
- ☐ High \$5.00 USD
- ☐ Realtime \$10.00 USD

Install on SSD

No ▾

Additional Required Information

Location

Ohio ▾

Location of server (pick the region closest to you)

GCP Password

Password to use with game server control panel, can be left blank for a random password. If you have multiple products, enter the password you're currently using.

Order Summary

Minecraft

Game Servers

Minecraft	\$6.00 USD
» Additional Player Slots: 0	\$0.00 USD
» Ram Allowance: 6 GB	\$0.00 USD
» Server CPU Priority: Normal	\$0.00 USD
» Install on SSD: No	\$0.00 USD

Setup Fees:	\$0.00 USD
Monthly:	\$6.00 USD

\$6.00 USD

Total Due Today

Continue →

Example Order form users will see

Example product setup screenshots

The screenshot shows the WHMCS (Web Host Manager Complete Solution) interface. The browser address bar indicates the URL is `localhost:81/billing/admin/configproducts.php?action=edit&id=9`. The top navigation bar includes links for Home, Client Area, My Notes, My Account, and Logout. The WHMCS logo is prominently displayed, along with a status bar showing 1 Pending Order, 0 Overdue Invoices, and 0 Ticket(s) Awaiting Reply. A warning message states: "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".

The left sidebar contains a Configuration menu with links to General Settings, Apps & Integrations, Sign-In Integrations, Automation Settings, MarketConnect, Notifications, Storage Settings, Application Links, OpenID Connect, Email Templates, Addon Modules, Client Groups, Custom Client Fields, and Fraud Protection. Below this is a Staff Management section with links to Administrator Users, Administrator Roles, Two-Factor Authentication, and Manage API Credentials. The Payments section includes links to Currencies, Payment Gateways, Tax Configuration, and Promotions. The Products/Services section is currently active, showing links to Products/Services, Configurable Options, Product Addons, Product Bundles, Domain Pricing, Domain Registrars, and Servers.

The main content area is titled "Products/Services" and "Edit Product". It features a tabbed interface with the following tabs: Details, Pricing, Module Settings, Custom Fields, Configurable Options, Upgrades, Free Domain, Other, and Links. The "Details" tab is selected, displaying the following fields:

- Product Type: Other (dropdown)
- Product Group: Game Servers (dropdown)
- Product Name: Minecraft Java Edition (text input)
- Product Description: 12 Slot Minecraft Java Edition Server (You can add additional slots as part of checkout). A text area with a rich text editor toolbar is also present, showing a preview of HTML formatting: `
` New line, ``Bold`` Bold, and ``Italics`` Italics.
- Welcome Email: Other Product/Service Welcome Email (dropdown)
- Require Domain: ☐ Tick to show domain registration options
- Stock Control: ☐ Enable - Quantity in Stock: 0 (text input)
- 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)

At the bottom of the form are two buttons: "Save Changes" and "Cancel Changes". A yellow banner at the very bottom of the page reads: "Dev License: This installation of WHMCS is running under a Development License and is not authorized to be used for production use. Please report any cases of abuse to abuse@whmcs.com".

Sample Details Tab of a Product

WHMCS - Products/Services

localhost:81/billing/admin/configproducts.php?action=edit&id=9#tab=3

Apps Login Brainless Tech - Ga... JSON Utils - Genera... Weather Undergo... VM10 UGCC Main Menu Hosted Engine Other bookmarks

Home Client Area My Notes My Account Logout Tuesday, 8 September 2020, 17:58

1 Pending Orders | 0 Overdue Invoices | 0 Ticket(s) Awaiting Reply

WHMCS

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](#)

Configuration

- General Settings
- Apps & Integrations
- Sign-In Integrations
- Automation Settings
- MarketConnect
- Notifications
- Storage Settings
- Application Links
- OpenID Connect
- Email Templates
- Addon Modules
- Client Groups
- Custom Client Fields
- Fraud Protection

Staff Management

- Administrator Users
- Administrator Roles
- Two-Factor Authentication
- Manage API Credentials

Payments

- Currencies
- Payment Gateways
- Tax Configuration
- Promotions

Products/Services

- Products/Services
- Configurable Options
- Product Addons
- Product Bundles
- Domain Pricing
- Domain Registrars
- Servers

Products/Services

Edit Product

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

Module Name UGCC Provisioning Server Group None

Installer ID Win Minecraft-Window Enter ID of auto installer used in UGCC for Windows

Installer ID Linux Minecraft-Linux (n Enter ID of auto installer used in UGCC for Linux

Base Slots 12 Base Slot Count for this product. Any additional slots a customer adds will be added to this value to determine max slots.

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

Dev License: This installation of WHMCS is running under a Development License and is not authorized to be used for production use. Please report any cases of abuse to abuse@whmcs.com

localhost:81/billing/admin/configproducts.php?action=edit&id=9#ta...

Module settings example for a Product

Products/Services

Edit Product

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

Field Name

UID

Field Type

Text Box

Description

Used internally by module, do not set a value.

The explanation to show users

Validation

Regular Expression Validation String

Select Options

For Dropdowns Only - Comma Separated List

☒ Admin Only ☐ Required Field ☐ Show on Order Form ☐ Show on Invoice

Field Name

SID

Field Type

Text Box

Description

Used internally by module, do not set a value.

The explanation to show users

Validation

Regular Expression Validation String

Select Options

For Dropdowns Only - Comma Separated List

☒ Admin Only ☐ Required Field ☐ Show on Order Form ☐ Show on Invoice

Field Name

Location

Field Type

Drop Down

Description

Location of server (pick region closest to you)

The explanation to show users

Validation

Regular Expression Validation String

Select Options

Ohio,New York

For Dropdowns Only - Comma Separated List

☐ Admin Only ☒ Required Field ☒ Show on Order Form ☐ Show on Invoice

Field Name

GCP Password

Field Type

Password

Description

Password to use with game server control panel, can be left blank for a r

The explanation to show users

Validation

/^(?=[*\d])(?=[*][A-Za-z])[0-9A-Za-z!@#%]{8,}\$/

Regular Expression Validation String

Select Options

For Dropdowns Only - Comma Separated List

☐ Admin Only ☐ Required Field ☒ Show on Order Form ☐ Show on Invoice

Custom Fields for a Product

Troubleshooting

If you encounter issues, you can enable module logging within WHMCS to see the API calls WHMCS is making to the panel. This option can be found in System Logs → Module log (in menu on the left of the screen).

Then you can cross reference them with the logs within UGCC as well as the Installer Logs for auto installer related issues.

Common Issues

- You receive an error similar to: ERROR: Fast Install with location returned false. Error: Fast Install with location could not find an installer to use with sdefid 1

- WHMCS is not passing a location setting to UGCC's install API and the panel is defaulting to server definition 1, which is probably not what you're expecting. The location setting with WHMCS must be used.

Ideas

You can use the SSD config option for other features, for example, backups. You could configure the operating system to backup only the location defined for alternate install location and then charge extra for the feature.

Module Version History

1.0

- Initial release

1.1

- Added ability to let customers choose process priority and RAM allocations

1.2

- Fixed admin login button not working on Linux webhosts
- Fixed a couple of module logging fields categorized under an incorrect category
- Check if SID field is populated before calling suspend, unsuspend, or terminate
- Changed Terminate function so it doesn't disable a user's account, only the server
- Pass suspension reason to panel, panel's API will log it as a comment to the disable server API command
- Pass a 'WHMCS Terminate' comment to panel when disabling a server due to Terminate function

1.3x

- Added delete server button to admin area (contributed by NakashimaKun; thank you!)

1.4

- Show friendly server name in admin area
- Don't make API calls for status, start, stop, delete if SID field is blank
- More bug fixes

1.5

- Show friendly name in client area for server
- Support showing 'Installing' status in server status
- Allow choosing destination of new servers (primary/alternate location).
- More bug fixes