

Creating Configurable Options

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About Configurable Options

Configurable Options consist of additional fields that request information from clients when ordering packages. These fields can have a price associated with them and add to the base price set for the package. Configurable Options can be of the following types:

- Checkbox
- Radio
- Drop-Down
- Quantity
- Text (v4.3)
- Textarea (v4.3)
- Password (v4.3)

Configurable Option values are passed into modules during service provisioning, so modules expecting these fields can use the information to alter the way they provision the service.

Configurable Option Group Overview

The screenshot shows the 'Configurable Options' overview page. At the top, there are two buttons: '+ CREATE GROUP' and '+ CREATE OPTION'. Below these, there is a table with the following structure:

Name	Options
Dedicated Servers	Edit , Delete

Configurable Options Overview

The screenshot shows the 'Configurable Options' overview page with a table listing various options:

Label	Options
1st HDD	Edit , Delete
2nd HDD	Edit , Delete
Bandwidth (In Gigabytes)	Edit , Delete
Checkbox Item	Edit , Delete
Data Center	Edit , Delete
IP Addresses	Edit , Delete

Creating an Option Group

To create a configurable option group, visit [Packages] > [Options] and click the "Create Group" button.

The following form will be displayed:

The screenshot shows the 'New Package Option Group' form. It has the following sections:

- Basic:** A 'Name' text input field and a 'Description' text area.
- Package Membership:** A section with a 'Member Packages' empty box and an 'Available Packages' list. The list includes: Addon A, Addon Company, Addon Company (quantity test), Biesta Legacy License TEST, Biesta Legacy License TEST2, Biesta License, Biesta License, Bronze Standard, BuyPanel: 1 Year, and BuyPanel: Biesta.

A 'CREATE GROUP' button is located at the bottom right of the form.

1. Enter a name for the group. This name will only be visible in the staff area, and not visible to clients.
2. Enter a description for the group.
3. Select what packages this group should be assigned to, if any.
4. Click the "Create Group" button to create the option group.

Package Membership

Options are assigned to Option Groups, and Option Groups are assigned to Packages. That association can be made here, or it can be made when creating or editing Packages.

Creating an Option

To create a configurable option, visit [Packages] > [Options] and click the "Create Option" button.

The following form will be displayed:

The screenshot shows the 'New Package Option' form. It is organized into several sections:

- Basic:** Contains input fields for 'Label', 'Name', and a dropdown for 'Type' (currently set to 'Please Select').
- Options:** Features a table with columns 'Name', 'Value', and 'Options'. There is an 'ADD ADDITIONAL OPTION' button above the table and a 'Delete' link below it.
- Pricing:** Contains a table with columns 'Term', 'Period', 'Currency', 'Price', 'Setup Fee', and 'Options'. The 'Price' and 'Setup Fee' fields have numerical input boxes.
- Group Membership:** Shows two columns: 'Member Groups' and 'Available Groups'. The 'Available Groups' column lists 'Option Group #1', 'Option Group #2.1', and 'Dedicated Servers'. There are left and right arrow buttons between the columns.

A 'CREATE PACKAGE OPTION' button is located at the bottom right of the form.

There are several sections, Basic, Options, and Group Membership.

Basic

The Basic section requires the following fields:

1. Label - This is the form label that will appear directly above this field
2. Name - This is the form field name, which is hidden. If this field is passing information into a module, the module may require it to have a specific name.
3. Description - This will be shown as a tooltip next to the option to explain it.
4. Type - The type of field, either "Checkbox", "Radio", "Drop down", "Quantity", "Text", "Textarea", or "Password".
5. Client can Add - Check to allow clients to add the config option to a service order or add-on.
6. Client can Edit - Check to allow clients to edit the config option on existing services.

Options

The options that are displayed vary depending on the "Type" selected above.

Checkbox

When creating an option of the type check-box, the following will be displayed:

This screenshot shows the 'New Package Option' form with the 'Type' dropdown set to 'Checkbox'. Below the 'Type' dropdown, there are two checkboxes: 'Client can Add' and 'Client can Edit'. The 'Options' and 'Pricing' sections are also visible, showing the same structure as in the previous screenshot.

1. Name - Enter the display name for this option, which will appear next to the checkbox.
2. Value - Enter the value for this option, which if checked, will be submitted through the form.
3. Default - By checking or unchecking this box you will set the default value of the config option

Pricing

Enter the pricing for this option for every term and currency that this option should exist for.

Missing Prices



If a client chooses a package term that does not exist for this option, this option will not appear. For example, if a 3 month term is selected for the package, and there is no 3 month term in the same currency for this option, it will be unavailable.

Radio

When creating an option of the type radio, the following will be displayed:

1. Name - Enter the display name for this option, which will appear next to the radio option.
2. Value - Enter the value for this option, which if selected, will be submitted through the form.
3. Default - By checking the radio on this option you will set it as the default value of the config option
4. Status - Inactive option values can no longer be selected for services, but can be kept for existing services until changed to a different value.
5. Click "Add Additional Option" to continue adding more radio items to the form.

Pricing

Enter the pricing for this option for every term and currency that this option should exist for.

Missing Prices



If a client chooses a package term that does not exist for this option, this option will not appear. For example, if a 3 month term is selected for the package, and there is no 3 month term in the same currency for this option, it will be unavailable.

Drop Down

The drop down type looks identical to the radio type:

1. Name - Enter the display name for this option, which will appear above the drop down.
2. Value - Enter the value for this option, which if selected, will be submitted through the form.
3. Default - By checking the radio on this option value you will set it as the default value of the config option
4. Status - Inactive option values can no longer be selected for services, but can be kept for existing services until changed to a different value.
5. Click "Add Additional Option" to continue adding more items to the drop down.

Pricing

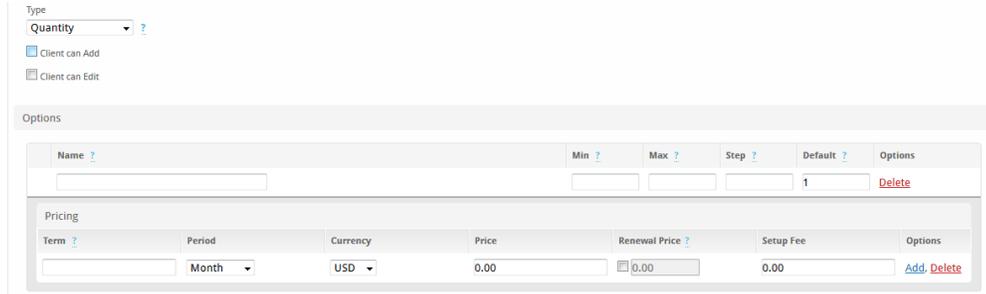
Enter the pricing for this option for every term and currency that this option should exist for.

Missing Prices

 If a client chooses a package term that does not exist for this option, this option will not appear. For example, if a 3 month term is selected for the package, and there is no 3 month term in the same currency for this option, it will be unavailable.

Quantity

When creating an option of the type quantity, the following is displayed:



Term ?	Period	Currency	Price	Renewal Price ?	Setup Fee	Options
<input type="text"/>	Month	USD	0.00	<input type="checkbox"/> 0.00	0.00	Add , Delete

1. Name - Enter the display name for this option, which will appear above a slider.
2. Min - Enter the minimum quantity available to order.
3. Max - Enter the maximum quantity available to order.
4. Step - Enter the step or increment size.
5. Default - By checking the radio on this option value you will set it as the default value of the config option

A good example of a quantity field is server memory. A minimum amount of 512 (representing RAM), a max of 4096, and a step of 256 means the user could select 512MB, 768MB, 1024MB, up to 4096.

Pricing

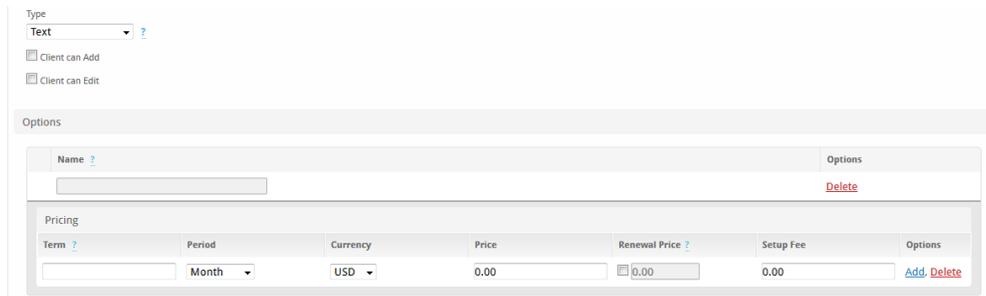
Enter the pricing for this option for every term and currency that this option should exist for. The price is per-unit. So, if the user selects a quantity of 100 for example, it will be multiplied by the price defined here.

Missing Prices

 If a client chooses a package term that does not exist for this option, this option will not appear. For example, if a 3 month term is selected for the package, and there is no 3 month term in the same currency for this option, it will be unavailable.

Text

When creating an option of the type text, the following will be displayed:



Term ?	Period	Currency	Price	Renewal Price ?	Setup Fee	Options
<input type="text"/>	Month	USD	0.00	<input type="checkbox"/> 0.00	0.00	Add , Delete

Pricing

Enter the pricing for this option for every term and currency that this option should exist for.

Missing Prices

 If a client chooses a package term that does not exist for this option, this option will not appear. For example, if a 3 month term is selected for the package, and there is no 3 month term in the same currency for this option, it will be unavailable.

Textarea

When creating an option of the type textarea, the following will be displayed:

Type
 Textarea ?
 Client can Add
 Client can Edit

Options

Name ? Options
[Delete](#)

Pricing

Term ?	Period	Currency	Price	Renewal Price ?	Setup Fee	Options
<input type="text"/>	Month	USD	0.00	<input type="text" value="0.00"/>	0.00	Add , Delete

Pricing

Enter the pricing for this option for every term and currency that this option should exist for.

Missing Prices

 If a client chooses a package term that does not exist for this option, this option will not appear. For example, if a 3 month term is selected for the package, and there is no 3 month term in the same currency for this option, it will be unavailable.

Password

When creating an option of the type password, the following will be displayed:

Type
 Password ?
 Client can Add
 Client can Edit

Options

Name ? Options
[Delete](#)

Pricing

Term ?	Period	Currency	Price	Renewal Price ?	Setup Fee	Options
<input type="text"/>	Month	USD	0.00	<input type="text" value="0.00"/>	0.00	Add , Delete

Pricing

Enter the pricing for this option for every term and currency that this option should exist for.

Missing Prices

 If a client chooses a package term that does not exist for this option, this option will not appear. For example, if a 3 month term is selected for the package, and there is no 3 month term in the same currency for this option, it will be unavailable.

Adding Configurable Options to Packages

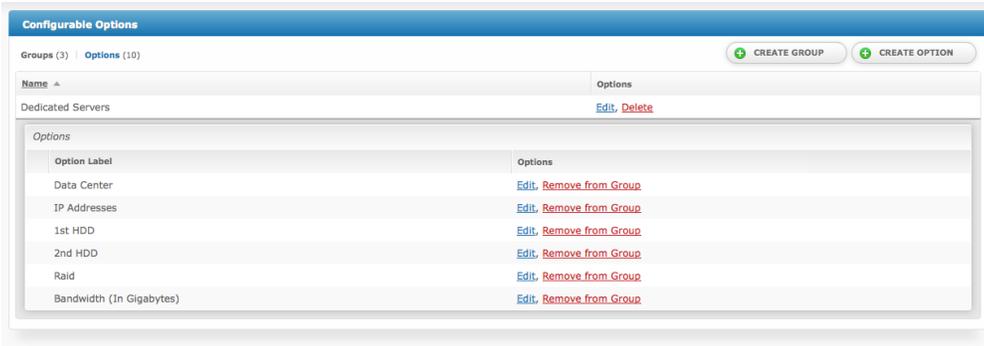
Configurable Options must be assigned to one or more Configurable Option Groups in order to be usable. Assigning configurable options to packages is a matter of assigning a configurable option group to a package, which can be done in either of two ways:

1. Edit or create a Package, click to expand "Configurable Options", and move the option groups containing the options you wish to add to the package from the right to the left in the multi-select box.
2. OR, edit the Package Option Group under [Packages] > [Options] > Groups, and move the packages you wish to add the options in this group to from the right to the left in the multi-select box.

That's it! When clients order packages, the options contained in all configurable option groups that are assigned to the package will be available.

Sorting Configurable Options

Configurable Options can be sorted within their groups by clicking to expand the group and using drag and drop to order them.



On this screen, hovering over the options under the group will display a sort icon in the left most column. To sort, click and hold on the option you wish to move, and drag it up or down in the list, releasing it where you wish to place it.

Using Configurable Options in Welcome Emails

Configurable options can be used in welcome emails and are numerically indexed within the services.options array. As an example, the value for the first configurable option would be available by using the following tag:

```
{services.options.0.value}
```

If you want to show all options, it's better to use a for loop. This will show the field label and the value, e.g.

License Key: 123-my-license-key

Notes: Here are some notes.

...

```
{% for option in service.options %}
{option.option_label}: {option.value}
{% endfor %}
```

To determine what index your config option has, you can use the `{% debug %}` tag in your welcome email and observe the data. Do not leave the tag in your welcome email, it may contain sensitive data that should not be emailed to clients. Below is an example of the array using a config option label of "License Key", with a name of "license-key", and a value of "new-key-123-abcdefg-license". Indexes start at 0, so the first will have an index of 0, the second an index of 1, and so on.

```

[service] => stdClass Object
(
    [id] => 3
    ....

    [options] => Array
        (
            [0] => stdClass Object
                (
                    [id] => 2
                    [service_id] => 3
                    [option_pricing_id] => 1
                    [qty] => 1
                    [value] => new-key-123-abcdefg-license
                    [encrypted] => 0
                    [option_value] =>
                    [option_value_name] =>
                    [option_id] => 1
                    [option_label] => License Key
                    [option_name] => license-key
                    [option_type] => textarea
                    [option_addable] => 0
                    [option_editable] => 0
                    [option_pricing_term] => 1
                    [option_pricing_period] => month
                    [option_pricing_price] => 0.0000
                    [option_pricing_price_renews] => 0.0000
                    [option_pricing_setup_fee] => 0.0000
                    [option_pricing_currency] => USD
                )
            )
        )
)

```

Overriding Module Row or Module Group with Configurable Options

5.4 feature

 This feature was added in Blesta version 5.4.

Module Rows are typically associated with a server, and Module Groups are typically associated with a group of servers. For example, a shared hosting module like DirectAdmin allows you to create "Server Groups" and "Servers". A server group would be considered a Module Group, and a server would be considered a module row. These definitions may change from module to module, but whatever they are called within the module, they can be overridden.

Typically these are defined on a Package. For example, using the DirectAdmin module as an example, on the Package you can set a specific server or server group to provision new accounts from. These can be overridden with a configurable option. A common use-case for this is "Location". If servers are organized into groups, and those groups designate a location, you can allow the client to select their location on their own.

Attribute to Override	Name (This is the form field name set on the option)
Module Group	module_row_group
Module Row	module_row_id

The value of the field should match the ID for the group, or row, specifically. To determine the group or row ID, edit the group or row and observe the ID in the URL.

/admin/settings/company/modules/editgroup/5/1/ (In this case, the group ID is "1")

/admin/settings/company/modules/editrow/5/4/ (In this case, the row ID is "4")