Panel Configuration

In this article

- Configuration File
- Per Reseller Configuration
- Configuration Options
  - General Settings
  - Output Formatting
  - Date and Time Formatting
  - Payment Gateways: PayPal
  - Payment Gateways: Authorize.Net
  - Payment Gateways: USAePay
  - Section: Charges History & Payments History
  - Section: Usage History / Detailed
  - Section: Usage History / Summary
  - Additional Settings

Configuration File

The next step is to tune Client Panel settings. If you are using default deployment, the configuration is located at **/opt/jerasoft/vcs-data/conf/cp-customer-params.json**. If you are moving the panel to the other host, the file should be located in **<YOUR-PATH>/portal-backend/config/customer-params.json**.

During the installation process, the file is pre-created with all general settings like billing credentials, tokens, etc. At the same time there is a set of parameters that can be configured like:

- Payment gateway credentials
- Default locale and output settings
- Date and time formatting options
- Rates and costs rounding

To simplify the process, your deployment provides the **/opt/jerasoft/vcs/portal-backend/config/customer-params.default.json** file. This file has all the available settings with their default values. You do not need to change this file, it is provided as a reference.

Warning

Do not edit default configuration at **/opt/jerasoft/vcs/portal-backend/config/customer-params.default.json**. If you need to change configuration parameters just add them to **/opt/jerasoft/vcs-data/conf/cp-customer-params.json**.

Per Reseller Configuration

The structure of your configuration file allows you to have different settings for different **Resellers** in the system. By default, the file contains a single section called **"default"** with all custom settings. If you want to have multiple Client Panels (for example, separated by domain names), you need to add another section with a simple distinguishable name and put all related settings in this section. The name may consist of Latin characters, numbers, minus and underscore characters.

After that, you need to pass this name from your web-server to the panel using FastCGI parameter called **"CONFIG_ID"**. It will tell panel which part of config to read to display a related Client Panel. If you are using **nginx** as your web server, use the following statement to pass the parameters:

Nginx Config

```
fastcgi_param CONFIG_ID "special";
```

Additionally, in the admin panel of the billing system, you'll need to add a **User** for each Reseller in the SystemUsers section. For each such user, set the ***API - Client Portal*** **Role**. From settings set up there, you will also get a login, password, and CoreAPI token values for the **customer-params.json** file.

Attention

Please note that for correct work each Reseller has to have its own separate redis databases (***redisMain*** and ***redisCache*** are at db 1 and 2 respectively by default). ***Redis*** instance supports 16 databases (0-15 in numeric values) by default. You can increase the number of available databases in Redis config if needed.

Configuration Options

As mentioned above, you can use **/opt/jerasoft/vcs/portal-backend/config/customer-params.default.json** file as a reference for all available parameters. The table below describes each of them. Please put all settings into your config file and do not change **customer-params.default.json** as it will be overwritten on the system update.

General Settings

Setting Name	Description	Example
amountOptions	Array of available amounts for a top-up in the list to select.	[5, 20, 50, 100]
billingUrl	URL of the billing system. As it is accessible from the Client Panel host	`"https://127.0.0.1"`
companiesId	ID of the **Reseller** for the Client Panel	3
currenciesId	Currency ID (as per your system configuration) for the payments received from the specific Payment Gateway. Required.	2
currencyCode	Currency code of the Payment Gateway to charge payments in (declared by the gateway itself).	USD
logFile	Path to the Client Panel log file	`"/opt/jerasoft/vcs-data/log/cp.log"`
openedEndpoint	URL of the Client Panel (without "/" at the end). This URL will be used to return clients to after processing of the payment by the **Payment Gateways**	`"http://127.0.0.1"`
coreApi.url	URL of the Core API service	`"http://127.0.0.1:3080"`
coreApi.authToken	Authorization token for the Core API service. You can get this token in the **System/Users** section	`"PW2Ln6PSS3vpmmZrCQBV5of2NO7jJbcU"`
managementApi.url	URL of the Management API	`"https://127.0.0.1/jsonrpc"`
managementApi.login	Login of the user used for the integration. You need to have a dedicated user for the integration, use the same user for the Core API service and Management API	`"api-client-portal"`
managementApi.password	Password of the user used for the integration	`"aqGW31oxHag8"`
paymentAccountsId	Payment Account's ID as per your system configuration.	1

Output Formatting

The following settings are located under **"defaults"** key of the configuration file.

Setting Name	Description	Example
locale	Default locale to start with. Available settings: en, ru	`"en"`
perPage	Quantity of rows to display per page. Allowed values: an integer from 1 to 1000	`10`
roundRates	Quantity of digits after the decimal point for display of rates. Allowed values: an integer from 0 to 16	`4`
roundAmounts	Quantity of digits after the decimal point for display of amounts. Allowed values: an integer from 0 to 16	`2`

Date and Time Formatting

The following settings are located under **"dateTimeConfig"** key of the configuration file. Please refer to the following guide for a list of possible values.

Date and Time Formatting [section: dateTimeConfig]		
Setting Name	**Description**	**Example**

monthFormat	Format string to display "Month Year" strings	`"F Y"`
dateFormat	Format string to display dates	`"m/d/Y"`
dateTimeFormat	Format string to display dates with time	`"m/d/Y, h:i A"`

Payment Gateways: PayPal

The following settings are located under **"paymentGateways.paypal"** key of the configuration file. Check your PayPal panel for the required parameters. Get more details.

Setting Name	Description	Example
enabled	Defines if the payment gateway is enabled. Allowed values: true, false. Do not forget to enable gateway in the respective section of the billing system	`true`
sandbox	Defines if the Sandbox mode is enabled. Allowed values: true, false	`false`
allowCustom	Defines if the custom amount payments are allowed. Allowed values: true, false	`true`
clientId	PayPal Client ID	`test@example.org`
feesPayer	Describes who pays fees for the transaction. Allowed values: provider, client	`provider`
clientSecret	PayPal Client Secret Key	
itemName	Item name displayed in the PayPal order	`"Credit Your Balance Item"`
orderDescription	Order description displayed in the PayPal	`"Credit Your Balance"`
currenciesId	Currency ID	26
currencyCode	Name of currency	"USD"

Payment Gateways: Authorize.Net

The following settings are located under **"paymentGateways.authorizenet"** key of the configuration file. Check your Authorize.Net panel for the required parameters. Get more details.

Setting Name	Description	Example
enabled	Defines if the payment gateway is enabled. Allowed values: true, false. Do not forget to enable gateway in the respective section of the billing system	`true`
sandbox	Defines if the Sandbox mode is enabled. Allowed values: true, false	`false`
allowCustom	Defines if the custom amount payments are allowed. Allowed values: true, false	`true`
apiLoginId	Authorize.Net API Login ID	
apiTransactionKey	Authorize.Net API Transaction Key	

Payment Gateways: USAePay

The following settings are located under **"paymentGateways.usaepay"** key of the configuration file. Check your USAePay panel for the required parameters. Get more details.

Setting Name	Description	Example
enabled	Defines if the payment gateway is enabled. Allowed values: true, false. Do not forget to enable gateway in the respective section of the billing system	`true`
sandbox	Defines if the Sandbox mode is enabled. Allowed values: true, false	`false`
allowCustom	Defines if the custom amount payments are allowed. Allowed values: true, false	`true`
apiKey	USAePay API Key	
apiPin	USAePay API Pin	

Attention

Payment Gateways integration requires a proper domain name and real SSL certificate. Please check the Panel Deployment guideline to get more information.

Section: Charges History & Payments History

The following settings are located under **"modules.transactionList"** key of the configuration file.

Setting Name	Description	Example
dateRangeDefault	Default dates range in the filter, in days. Allowed values: an integer from 1 to 90	`30`

Section: Usage History / Detailed

The following settings are located under **"modules.reportXdrs"** key of the configuration file.

Setting Name	Description	Example
queryOnOpen	Defines if the report should be run right after section open. If set to ***false***, the user will have to hit ***Query*** to get the report. Use this option if you have plenty of data to load. Allowed values: true, false	`true`
dateRangeDefault	Default dates range in the filter, in days. Allowed values: integer 1 to 90	`3`
columns	List of columns to display. Allowed values: origin, dt, accounts_name, cc_serial, clients_tags, accounts_tags, tags, code_country, code_name, code, src_code_country, src_code_name, src_code, volume, volume_billed, package_volume, package_credit, packages_id, packages_name, currencies_id, pay_setup, cost, rate, taxes, subscriber_host, subscriber_id, result_code, result_status, switch_code, start_time, connect_time, finish_time, pdd, scd, src_party_id, dst_party_id, src_party_id_ext, dst_party_id_ext, src_party_id_bill, dst_party_id_bill, voip_hosts_id, voip_hosts_name, voip_hosts_collectors_id, services_name, units_id, session_id, x_id, xdrs_id, uniq_id, custom, xdrs_extra, status	`["origin", "src_party_id"]`

Section: Usage History / Summary

The following settings are located under **"modules.reportSummary"** key of the configuration file.

Setting Name	Description	Example
queryOnOpen	Defines if the report should be run right after section open. If set to ***false***, the user will have to hit ***Query*** to get the report. Use this option if you have plenty of data to load. Allowed values: true, false	`true`
dateRangeDefault	Default dates range in the filter, in days. Allowed values: integer 1 to 180	`90`
columns	List of columns to display. Allowed values: origin, services_name, units_id, currencies_id, cost_total, pay_setup_cost, rate_avg, package_credit, volume_total, volume_billed, package_volume, records_total, records_notzero, records_success, records_busy, records_nochannel, records_error, asr_std, asr_cur, acd_std, acd_cur, pdd_avg, scd_avg	`["origin", "services_name"]`

Additional Settings

The following settings are located at the top level of the configuration section.

Setting Name	Description	Example
redisMain.hostname	The hostname or IP address to use for connecting to the Redis server.	`"localhost"`
redisMain.port	The port to use for connecting to the Redis server.	`6379`
redisMain.database	The Redis database to use.	`1`
redisCache.hostname	The hostname or IP address to use for connecting to the Redis server.	`"localhost"`
redisCache.port	The port to use for connecting to the Redis server.	`6379`
redisCache.database	The Redis database to use.	`2`
environment.httpTimeout	The timeout for all requests that Portal Frontend sends to Portal Backend.	30000