CoreAPI

The **CoreAPI** is the high-performance mechanism for real-time integration with 3rd party systems, including softswitches, gateways, etc. It's designed for a limited number of most used methods for integrations. Typically, the CoreAPI methods can be used for the following:

- for developing customers' portals;
- for mobile applications;
- for data synchronization with 3rd party systems.

> ⚠️ **Attention**
>
> 1. The JeraSoft team may modify the attributes and methods related to the CoreAPI usage from time to time without advance notice.
> 2. To provide our users with the most up-to-date features, **we recommend using CoreAPI** instead of **Management API methods** for integrations.

Protocol

The Service implements JSON-RPC 2.0 specification. Transport of the RPC messages is performed over the HTTP protocol. By default, the Service runs on `3080/tcp` port. It is assumed that RPC clients talk to the Service over a secure connection (either VPN or private network).

Authorization and Tokens

Authentication is performed using pre-created API Tokens. Each RPC request should contain an API Token under the parameter named `AUTH`. The API Tokens are linked to System Users and Resellers setting of the user is respected. At the same time, there is no module/method limitation within CoreAPI, all methods are available to all users.

Example

```
[
    {
        "jsonrpc": "2.0",
        "id": 1,
        "method": "rating.getTaxes",
        "params": {
            "amountGross": 100,
            "taxes": [
                {"priority": 1, "value": 10}
            ]
        }
    },
    {
        "jsonrpc": "2.0",
        "id": 2,
        "method": "transactions.create",
        "params": {
            "clients_id": 10562,
            "currencies_id": 16,
            "amount": "{$0.amountNet}",
            "descr": "Special Transaction"
        }
    }
]
```

> ✅ **Tip**
>
> You can access the user's CoreAPI token in his edit form, go to the **System > Users**