

Extension 12: Administrative User (3)

The banking system currently works with a set of fixed numbers, for example the expiration date length of a PIN card or the interest rates on a savings account. However, over time the economic situation and rules and regulations change. Therefore it should be possible to alter these fixed numbers when necessary.

For most of these type of changes, users should be informed about them before the changes happen. Therefore you do not always want these changes to go into effect immediately.

This extension asks that you implement the option to change the values of a set of currently fixed numbers. You should also implement the option to specify a future date for when these changes should take effect.

Below is a set of values for which it should be possible to set them dynamically. Following that is the specification of the method with which these values should be changed.

The value's should be formatted in a certain way. Everything in JSON is send as a double. There are however three allowed formats of values. You should check if the value format is correct for the specified key.

- Money format: max 2 digits behind the comma.
- INT format. Only whole integers.
- Percentage format. numbers between 0 and 1. i.e. 5% is specified as 0.05.

CREDIT_CARD_MONTHLY_FEE The fee charged for a credit card each month

CREDIT_CARD_DEFAULT_CREDIT The default monthly credit of a credit card

CARD_EXPIRATION_LENGTH The amount of years after which a card should expire

NEW_CARD_COST The cost of a new card (charged when a card is replaced)

CARD_USAGE_ATTEMPTS The amount of consecutive times an incorrect PIN can be used before the card is blocked.

MAX_OVERDRAFT_LIMIT The maximum over-drafting limit of a bank account.

INTEREST_RATE_1 The interest rate of a category 1 balance (until 25k)

INTEREST_RATE_2 The interest rate of a category 2 balance (until 75k)

INTEREST_RATE_3 The interest rate of a category 3 balance (until 1Mil)

OVERDRAFT_INTEREST_RATE The interest rate charged when an account is over drafted.

DAILY_WITHDRAW_LIMIT The daily limit of withdraws using a debit card

WEEKLY_TRANSFER_LIMIT The default weekly transfer limit of new accounts (users can still specify their own)

setValue method

Method setValue

Description Specify that a certain value should be changed at a certain date.

Authentication REQUIRED (AdministrativeAccount)

Parameters This method accepts the following parameters:

authToken The authentication token, obtained with getAuthToken

key The key indicating what value should be changed

value The value indicating what the value should be changed to.

date The date when the value should be changed.

Returns An empty dictionary if successful

Errors InvalidParamValueError: One or more parameter has an invalid value. See message.
NotAuthorizedError: The authenticated user is not authorized to perform this action.

Example

```
--> {"method": "setValue",  
    "params": {  
        "authToken": "some.long.auth.token!%&...",  
        "key": "CREDIT_CARD_MONTHLY_FEE",  
        "value": "7,50",  
        "date": "2017-10-1",  
    }}  
<-- {"result": {}}
```