

Bank-core

Bank-core is a project that targets banks and business with a json/https and a csv interface. In Bank-core a **domainname** is an accountname and you can link a number to an account. If you do not have a domainname you can still create an account, but you get a little less protection. With a domainname as an accountname the system checks if you are at the right ip address. With bank-core you can:

- approve a loan
- loan money
- link a number to an account
- unlink a number to an account
- give money
- trust an account to take money
- untrust an account to take money
- take money
- rollback a transaction

You are welcome to download the [project](#). Its written in Java. Businesses can use bank-core as a credit-system for its customers and banks can use bank-core as a payment-system for its customers.

HTML interface

You can check out the page at the [following](#) address.

JSON interface

To every call you can add a sessionid attribute to the url.

User creation

I have in this test removed the .dk at the end. Otherwise, I would be tested for IP. In production you would add the .dk/.com and make the call from the right IP address.

Danskebank

Request

https://maikenwinterberg.com:8443/json/create?Account_name=danskebank&Secret_key=password

Response

```
{"Response": {  
  "CurrentDate": "2025-01/19 11:06:27",
```

<https://maikenwinterberg.com> <https://documentnetwork.com>

```
"AccountId": "9981b408-c9ad-4a30-ad58-1ac2aa318904",
"AccountName": "danskebank@maikenwinterberg.com",
"RenewToken": "09de7df5-0829-49d7-86c3-d276c4dcecf2",
"Status": "locked",
"ResponseType": "Success"
"Text": "The account is created"
}}
```

APM

Request

https://maikenwinterberg.com:8443/json/create?Account_name=apm&Secret_key=password

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:10:12",
  "AccountId": "c33c452b-95f2-4a34-88be-60ebf8959cfa",
  "AccountName": "apm@maikenwinterberg.com",
  "RenewToken": "c054917a-17ab-4d57-b88e-2e0d4bae7865",
  "Status": "locked",
  "ResponseType": "Success"
  "Text": "The account is created"
}}
```

Request

<https://maikenwinterberg.com:8443/json/unlock?accountid=c33c452b-95f2-4a34-88be-60ebf8959cfa>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:40:56",
  "AccountId": "c33c452b-95f2-4a34-88be-60ebf8959cfa",
  "AccountName": "apm@maikenwinterberg.com",
  "IP": "77.241.128.64",
  "SessionId": "9e69c8f7-7af5-4664-8405-61cb87514eff@maikenwinterberg.com",
  "ResponseType": "Success"
  "Text": "Access to the account is granted"
}}
```

MaikenWinterberg

Request

https://maikenwinterberg.com:8443/json/create?Account_name=maikenwinterberg&Secret_key=password

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:48:59",
  "AccountId": "8610bae7-6a50-4d10-86e7-bd61f9635c5a",
  "AccountName": "maikenwinterberg@maikenwinterberg.com",
  "RenewToken": "6ee70ed6-3e05-42f9-bfe9-6b7b99dbe565",
  "Status": "locked",
  "ResponseType": "Success"
  "Text": "The account is created"
}}
```

Request

<https://maikenwinterberg.com:8443/json/unlock?accountid=8610bae7-6a50-4d10-86e7-bd61f9635c5a>

Response

```
{"Response": {
```

<https://maikenwinterberg.com> <https://documentnetwork.com>

```
"CurrentDate": "2025-01/19 11:49:49",
"AccountId": "8610bae7-6a50-4d10-86e7-bd61f9635c5a",
"AccountName": "maikenwinterberg@maikenwinterberg.com",
"IP": "77.241.128.64",
"SessionId": "607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com",
"ResponseType": "Success"
"Text": "Access to the account is granted"
}}
```

Administrator

Only administrators can execute the administrator commands. To become an administrator you must be present in the adminDomains config property of the **banker.properties** file. Currently, the supreme court of Denmark has administrator rights if they send request from **hoejesteret.dk**.

Test administrator

Request

https://maikenwinterberg.com:8443/json/enter?Account_name=bankcoreadmin&Secret_key=bankcoreadmin

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:12:03",
  "AccountId": "c8b382d7-ce31-4a07-a646-b1c0c910ca14",
  "AccountName": "bankcoreadmin@maikenwinterberg.com",
  "RenewToken": "be88625a-052b-44c3-a109-942bac50a701",
  "Status": "locked",
  "ResponseType": "Success"
  "Text": "Access to the account is granted"
}}
```

Request

<https://maikenwinterberg.com:8443/json/unlock?accountid=c8b382d7-ce31-4a07-a646-b1c0c910ca14>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:15:15",
  "AccountId": "c8b382d7-ce31-4a07-a646-b1c0c910ca14",
  "AccountName": "bankcoreadmin@maikenwinterberg.com",
  "IP": "77.241.128.64",
  "SessionId": "6062ae31-0dcd-40b2-b15c-53e8390001d5@maikenwinterberg.com",
  "ResponseType": "Success"
  "Text": "Access to the account is granted"
}}
```

Creates a new bank

Request

<https://maikenwinterberg.com:8080/json/insertbank/danskebank@maikenwinterberg.com?sessionid=6062ae31-0dcd-40b2-b15c-53e8390001d5@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:17:53",
  "Account": "bankcoreadmin@maikenwinterberg.com",
  "TelegramType": "ApproveBankTelegram",
  "IP": "77.241.128.64",
  "CounterAccount": "danskebank@maikenwinterberg.com",
  "ResponseType": "Success",
  "Text": "Success danskebank@maikenwinterberg.com"
}}
```

<https://maikenwinterberg.com> <https://documentnetwork.com>

```
}}
```

Description

This method allows danskebank.dk to approve a loan.

Adminlink

Request

<https://maikenwinterberg.com:8080/json/adminlink/danskebank@maikenwinterberg.com?sessionId=6062ae31-0dcd-40b2-b15c-53e8390001d5@maikenwinterberg.com>

Response

```
{"Response": {  
  "CurrentDate": "2025-01/19 11:21:36",  
  "AdminDomain": "bankcoreadmin@maikenwinterberg.com",  
  "LinkedDomain": "danskebank@maikenwinterberg.com",  
  "ResponseType": "Success"  
}}
```

Description

This turns the bankcoreadmin user into danskebank@maikenwinterberg.com. With the above command the administrator pretend to be danskebank.dk.

Bank

If you have been turned into a bank you can use the following command.

Approves a loan

Request

<https://maikenwinterberg.com:8080/json/approveloan/danskebank@maikenwinterberg.com/apm@maikenwinterberg.com/1000000000?sessionId=6062ae31-0dcd-40b2-b15c-53e8390001d5@maikenwinterberg.com>

Response

```
{"Response": {  
  "CurrentDate": "2025-01/19 11:36:59",  
  "Account": "danskebank@maikenwinterberg.com",  
  "TelegramType": "GrantLoanTelegram",  
  "IP": "77.241.128.64",  
  "TransactionId": "danskebank@maikenwinterberg.com_202501191136590_0",  
  "ResponseType": "Success",  
  "Text": "1.0E9 Is now the max loan amount of account apm@maikenwinterberg.com in bank danskebank@maikenwinterberg.com"  
}}
```

Description

This method approves a loan to apm.dk from danskebank.com on the amount of 1.000.000.000.

Everyone

Show balance

Request

<https://maikenwinterberg.com:8080/json/balance?sessionId=9e69c8f7-7af5-4664-8405-61cb87514eff@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:32:25",
  "Account": "apm@maikenwinterberg.com",
  "TelegramType": "BalanceTelegram",
  "IP": "77.241.128.64",
  "ResponseType": "Success",
  "Text": "The saldo of the account is 0"
}}
```

Description

This method displays the balance of the account

Loan money

Request

<https://maikenwinterberg.com:8080/json/loan/apm@maikenwinterberg.com/200000/danskebank@maikenwinterberg.com?sessionId=9e69c8f7-7af5-4664-8405-61cb87514eff@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:43:56",
  "Account": "apm@maikenwinterberg.com",
  "TelegramType": "PrintmoneyTelegram",
  "IP": "77.241.128.64",
  "TransactionId": "apm@maikenwinterberg.com_202501191143562_0",
  "CounterAccount": "danskebank@maikenwinterberg.com",
  "ResponseType": "Success",
  "Text": "200000.0 Is now inserted into account apm@maikenwinterberg.com of bank danskebank@maikenwinterberg.com"
}}
```

Description

This method makes apm.dk make a loan of 200,000 coins from danskebank.dk

Show history

Request

<https://maikenwinterberg.com:8080/json/history?sessionId=9e69c8f7-7af5-4664-8405-61cb87514eff@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:45:47",
  "Account": "apm@maikenwinterberg.com",
  "TelegramType": "HistoryTelegram",
  "ResponseType": "Success",
  "Entry": {
    "Date": "2025-01/19 11:43:56",
    "TransactionId": "apm@maikenwinterberg.com_202501191143562_0",
    "PostingType": "Debit",
  }
}}
```

<https://maikenwinterberg.com> <https://documentnetwork.com>

```
        "CounterAccount": "danskebank@maikenwinterberg.com",
        "Text": "Loan 2025-01/19 11:43:56",
        "Amount": "200000.0",
        "Sum": "200,000"
    }
}
```

Description

This method displays the newest transaction history of apm.dk

Links a number to an account

Request

<https://maikenwinterberg.com:8080/json/link/maikenwinterberg@maikenwinterberg.com/1234?sessionId=607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com>

Response

```
{
  "Response": {
    "CurrentDate": "2025-01/19 11:51:17",
    "Account": "maikenwinterberg@maikenwinterberg.com",
    "TelegramType": "LinkTelegram",
    "IP": "77.241.128.64",
    "TransactionId": "maikenwinterberg@maikenwinterberg.com_202501191151174_0",
    "ResponseType": "Success",
    "Text": "1234 is now linked to the account maikenwinterberg@maikenwinterberg.com"
  }
}
```

Request

<https://maikenwinterberg.com:8080/json/link/maikenwinterberg@maikenwinterberg.com/4321?sessionId=607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com>

Response

```
{
  "Response": {
    "CurrentDate": "2025-01/19 11:52:46",
    "Account": "maikenwinterberg@maikenwinterberg.com",
    "TelegramType": "LinkTelegram",
    "IP": "77.241.128.64",
    "TransactionId": "maikenwinterberg@maikenwinterberg.com_202501191152465_0",
    "ResponseType": "Success",
    "Text": "4321 is now linked to the account maikenwinterberg@maikenwinterberg.com"
  }
}
```

Description

This method links a number to an account

Unlinks a number from an account

Request

<https://maikenwinterberg.com:8080/json/unlink/maikenwinterberg@maikenwinterberg.com/1234?sessionId=607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com>

Response

```
{
  "Response": {
    "CurrentDate": "2025-01/19 11:53:15",
    "Account": "maikenwinterberg@maikenwinterberg.com",
    "TelegramType": "UnlinkTelegram",
    "IP": "77.241.128.64",
    "TransactionId": "maikenwinterberg@maikenwinterberg.com_202501191153156_0",
    "ResponseType": "Success",
    "Text": "1234 is no longer linked to the account maikenwinterberg@maikenwinterberg.com"
  }
}
```

<https://maikenwinterberg.com> <https://documentnetwork.com>

```
}}
```

Description

This method unlinks a number to an account

Give money

Request

<https://maikenwinterberg.com:8080/json/give/apm@maikenwinterberg.com/4321/2208?sessionid=9e69c8f7-7af5-4664-8405-61cb87514eff@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:55:51",
  "Account": "apm@maikenwinterberg.com",
  "TelegramType": "GivemoneyTelegram",
  "IP": "77.241.128.64",
  "TransactionId": "apm@maikenwinterberg.com_202501191155519_0",
  "CounterAccount": "maikenwinterberg@maikenwinterberg.com",
  "ResponseType": "Success",
  "Text": "2208.0 has been transfered to maikenwinterberg@maikenwinterberg.com"
}}
```

Description

This method sends 2208 coins to maikenwinteborg from apm.

Trust another account

In order for one account to take money from another there have to be trust between the accounts.

Request

<https://maikenwinterberg.com:8080/json/trust/maikenwinterberg@maikenwinterberg.com/apm@maikenwinterberg.com/true?sessionid=607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 11:58:42",
  "Account": "maikenwinterberg@maikenwinterberg.com",
  "TelegramType": "TrustdomainsTelegram",
  "IP": "77.241.128.64",
  "ResponseType": "Success",
  "Text": "List of trust accounts [apm@maikenwinterberg.com]"
}}
```

Request

<https://maikenwinterberg.com:8080/json/trust/maikenwinterberg@maikenwinterberg.com/bad@maikenwinterberg.com/true?sessionid=607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 12:00:44",
  "Account": "maikenwinterberg@maikenwinterberg.com",
  "TelegramType": "TrustdomainsTelegram",
  "IP": "77.241.128.64",
  "ResponseType": "Success",
  "Text": "List of trust accounts [apm@maikenwinterberg.com, bad@maikenwinterberg.com]"
}}
```

Description

maikenwinterberg now trust apm to take money

unTrust an account

Request

<https://maikenwinterberg.com:8080/json/untrust/maikenwinterberg@maikenwinterberg.com/bad@maikenwinterberg.com?sessionId=607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 12:02:39",
  "Account": "maikenwinterberg@maikenwinterberg.com",
  "TelegramType": "TrustdomainsTelegram",
  "IP": "77.241.128.64",
  "ResponseType": "Success",
  "Text": "List of trust accounts [apm@maikenwinterberg.com]"
}}
```

Description

maikenwinterberg.com no longer trust bad.dk

Take money

Request

<https://maikenwinterberg.com:8080/json/take/apm@maikenwinterberg.com/maikenwinterberg@maikenwinterberg.com/100?sessionId=9e69c8f7-7af5-4664-8405-61cb87514eff@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 12:05:56",
  "Account": "apm@maikenwinterberg.com",
  "TelegramType": "TakemoneyTelegram",
  "IP": "77.241.128.64",
  "TransactionId": "apm@maikenwinterberg.com_202501191205566_0",
  "CounterAccount": "maikenwinterberg@maikenwinterberg.com",
  "ResponseType": "Success",
  "Text": "100.0 has been transfered from maikenwinterberg@maikenwinterberg.com"
}}
```

Description

This method sends 100 back to apm.dk from maikenwinterberg.com

Show history

Request

<https://maikenwinterberg.com:8080/json/history/apm@maikenwinterberg.com?sessionId=9e69c8f7-7af5-4664-8405-61cb87514eff@maikenwinterberg.com>

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 12:07:50",
  "Account": "apm@maikenwinterberg.com",
  "TelegramType": "HistoryTelegram",
  "ResponseType": "Success",
  "Entry": {
    "Date": "2025-01/19 12:05:56",
    "TransactionId": "apm@maikenwinterberg.com_202501191205566_0",
    "PostingType": "Debit",
    "CounterAccount": "maikenwinterberg@maikenwinterberg.com",
  }
}}
```

<https://maikenwinterberg.com> <https://documentnetwork.com>


```
    "Text": "Money collection Take money action",
    "Amount": "100.0",
    "Sum": "197,892"
  },
  "Entry": {
    "Date": "2025-01/19 11:55:51",
    "TransactionId": "apm@maikenwinterberg.com_202501191155519_0",
    "PostingType": "Kredit",
    "CounterAccount": "maikenwinterberg@maikenwinterberg.com",
    "Text": "Give money action",
    "Amount": "-2208.0",
    "Sum": "197,792"
  },
  "Entry": {
    "Date": "2025-01/19 11:43:56",
    "TransactionId": "apm@maikenwinterberg.com_202501191143562_0",
    "PostingType": "Debit",
    "CounterAccount": "danskebank@maikenwinterberg.com",
    "Text": "Loan 2025-01/19 11:43:56",
    "Amount": "200000.0",
    "Sum": "200,000"
  }
}
```

Description

This method displays the newest transaction history of apm.dk

Rollback transaction

You cannot rollback a transaction if you have giving or loaning you money away. Only on take and receive you can do a rollabck. And the transaction have to be present in the resent history – otherwise it to late.

Request

https://maikenwinterberg.com:8080/json/rollback/maikenwinterbergmaikenwinterberg.com/apm@maikenwinterberg.com_202501191205566_0?sessionId=607d625e-ec32-4daf-9bd0-a2b4a715447e@maikenwinterberg.com

Response

```
{"Response": {
  "CurrentDate": "2025-01/19 12:10:11",
  "Account": "maikenwinterberg@maikenwinterberg.com",
  "TelegramType": "RollbacktransactionTelegram",
  "IP": "77.241.128.64",
  "TransactionId": "maikenwinterberg@maikenwinterberg.com_202501191210118_0",
  "CounterAccount": "apm@maikenwinterberg.com",
  "Rolledbacktransaction": "apm@maikenwinterberg.com_202501191205566_0",
  "ResponseType": "Success",
  "Text": "The transaction apm@maikenwinterberg.com_202501191205566_0 is rolled back together
with account apm@maikenwinterberg.com"
}}
```

Description

This method rollback the transaction called: apm@maikenwinterberg.com_202501191205566_0