

Technical Documentation - API BaaS

BPO

Updated on 11.17.2021

This document describes all the requisites to use API BaaS BPO module for administration of your account in Banco Genial.

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1. Starting in sandbox environment

The API BPO sandbox environment can be accessed using the informations bellow. The user and password are case sensitives.

Accessing API sandbox environment

API Address	http://bp-api-hml.brasilplural.com/api/BPO
Swagger Address	http://bp-api-hml.brasilplural.com/swagger
User	APITEST
Password	APITEST

The services shown in Swagger address and not explained in this document are considered obsolete and shouldn't be used.

Bank accounts for testing in API

The accounts bellow are available for withdrawals and deposits only in sandbox environment.

Bank code	125 – Banco Genial	125 – Banco Genial
Bank branch (agency)	1	1
Account number/check digit	3217-4	16145-4
CPF	053.936.387-10	082.853.887-51

2. Checking account balance

Use the *GetBalancePost* service to check the account balance.

/api/BPO/v2/GetBalancePost	
Checks the account balance.	
Request (example)	Response (example)
<pre>{ "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }</pre>	2314.68

Input Parameters		
Name	Type	Description
User*	Text	User provided by Banco Genial for API authentication.
Password*	Text	Password provided by Banco Genial for API authentication.
Agency*	Numeric	Bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numeric	Account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.

(*) required field

Output Parameters		
Name	Type	Description
-	Numeric Decimal	Account balance amount. Decimal separator: (.)

3. Getting account statement

Use the *AccountStatementSelectPost* service to get your account statement.

/api/BPO/v2/AccountStatementSelectPost	
Gets account statement.	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "StartDate": "2020-01-01", "EndDate": "2020-01-31" }</pre>	<pre>[{ "Value": 105.55, "Date": "01/01/2020", "Type": "S", "Description": "SALDO ANTERIOR", "lancId": 0 }, { "Value": -0.01, "Date": "06/01/2020", "Type": "D", "Description": "TRANSF P/CONTA -21083", "lancId": 2929181 }, { "Value": 105.53, "Date": "06/01/2020", "Type": "S", "Description": "SALDO C/C", "lancId": 2937305 }]</pre>

Input Parameters		
Name	Type	Description
User*	Text	User provided by Banco Genial for API authentication.
Password*	Text	Password provided by Banco Genial for API authentication.
Agency*	Numeric	Bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numeric	Account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
StartDate*	Date	Start date in YYYY-MM-DD or DD-MM-YYYY format.
EndDate*	Date	End date in YYYY-MM-DD or DD-MM-YYYY format.

(*) required field

Output Parameters		
Name	Type	Description
Value	Numeric Decimal	Movement value in account statement. Decimal separator: (.) Negative values for debit. Positive values for credit.
Date	Text	Movement date in DD / MM / YYYY format.
Type	Text	S: Previous or current balance (in checking account) D: Debit C: Credit
Description	Text	Details of the movement in the statement.
lancId	Numeric	Unique identifier number of the statement. NOTE: This number is not used or found in any other service in this API.

4. Getting incoming transfers (deposits)

Use the *GetReceivedTedsPost* service to get the most recent incoming transfers in your account. The table below shows the transfer types that service provides and available time period in API.

Electronic Transfer	Available time period in <i>GetReceivedTedsPost</i>
PIX	Up to 10 days
DOC	Up to 7 days
TED	Up to 7 days
CMP*	Up to 4 days

(*) Internal transfer between Banco Genial accounts.

Important

The request time to *GetReceivedTedsPost* service should be considered to check the available time period of transfers in the service. For example, a request made on 09/04/2020 at 9:45 am to the *GetReceivedTedsPost* service will show incoming transfers in the periods indicated below.

Electronic Transfer	Available time period in <i>GetReceivedTedsPost</i>
PIX	03/30/2020 at 9:45 am to 04/09/2020 at 9:45 am
DOC	04/02/2020 at 9:45 am to 04/09/2020 at 9:45 am
TED	04/02/2020 at 9:45 am to 04/09/2020 at 9:45 am
CMP*	04/05/2020 at 9:45 am to 04/09/2020 at 9:45 am

For any type of transfer, *GetReceivedTedsPost* service will immediately show a transfer as soon as it is available (settled) in the account.

/api/BPO/v3/GetReceivedTedsPost

Checks for most recent incoming transfers in your account.

Request (example)

```
{
  "User": "APITEST",
  "Password": "APITEST",
  "Agency": 1,
  "AccountNumber": 3212,
  "CPF_CNPJ": "11111111111"
}
```

Response (example)

```
[
  {
    "Id": "4103497",
    "Value": 0.01,
    "MovimentDate": "06/11/2020 00:00:00",
    "Name": "FULANO DE TAL",
    "CPFCNPJ": "11111111111",
    "PersonType": "F",
    "Description": "CREDITO POR TED-PAG",
    "Type": "TED",
    "Bank": "260",
    "ISPB": "18236120",
    "BankName": "NU PAGAMENTOS S.A.",
    "Agency": "1",
    "Account": "45474208",
    "AccountType": "CONTA CORRENTE INDIVIDUAL",
    "AccountTypeId": 1,
    "OwnerAgency": "1",
    "OwnerAccount": "3212"
  },
  {
    "Id": "4297018",
    "Value": 100,
    "MovimentDate": "04/12/2020 00:00:00",
    "Name": "BELTRANO DA SILVA",
    "CPFCNPJ": "22222222222",
    "PersonType": "F",
    "Description": "CREDITO POR TED-PAG",
    "Type": "TED",
    "Bank": "748",
    "ISPB": "01181521",
    "BankName": "BANCO COOPERATIVO SICREDI S.A.",
    "Agency": "911",
    "Account": "157112",
    "AccountType": "CONTA CORRENTE INDIVIDUAL",
    "AccountTypeId": 1,
    "OwnerAgency": "1",
    "OwnerAccount": "3212"
  }
]
```

Input Parameters		
Name	Type	Description
User*	Texto	User provided by Banco Genial for API authentication.
Password*	Texto	Password provided by Banco Genial for API authentication.
Agency	Numérico	Bank branch (agency) number without check digit and without leading zero.
AccountNumber	Numérico	Account number with check digit included.
CPF_CNPJ*	Texto	CPF with 11 digits or CNPJ with 14 digits, without format mask.

(*) required field

Output Parameters		
Name	Type	Description
Id	Text	Non-unique identifier number of the transfer. The union of Id and Type fields creates a composite key.
Value	Numeric Decimal	Transfer amount received. Decimal separator: (.)
MovimentDate	Date Time	Date and time of movement in DD / MM / YYYY HH: MM: SS format.
Name	Text	Payer name.
CPFCNPJ	Text	CPF or CNPJ of the payer in numeric format with up to 11 digits (CPF) or up to 14 digits (CNPJ), without leading zero and without format mask.
PersonType	Text	Type of person of the payer. F: person/individual J: company/legal entity
Description	Text	Details of the movement in the statement.
Type	Text	Transfer type. TED DOC PIX CMP (internal transfer between Banco Genial accounts)
Bank	Text	Bank number (with leading zero) of the payer's account.
ISPB	Text	Number of the bank, financial institution or payment service provider of the payer's account, with 8 digits in the Brazilian Payment System (SPB).
BankName	Text	Bank name of the payer's account.
Agency	Text	Payer account bank branch (agency).

Account	Text	Payer account number + account digit.
AccountType	Text	Description of the payer's account type.
AccountTypeId	Numeric	Payer account type identifier. 1 - Checking account 2 - Savings account 3 - Conta Dep. judicial individual 4 - Conta Garantida 5 - Conta Deposito 6 - Conta Pagamento 11 - Conta Corrente conjunta 12 - Conta Poupanca conjunta 13 - Conta Dep. judicial conjunta 21 - Conta Investimento individual 22 - Conta Investimento conjunta
OwnerAgency	Text	Receiver account bank branch (agency) .
OwnerAccount	Text	Receiver account number.

5. Confirming incoming transfers (deposits)

Accounts with large number of incoming transfers, *SetAcceptedTedPost* service must be used to confirm received transfers by the *GetReceivedTedsPost* service. In this way, the confirmed incoming transfers will no longer be displayed next time *GetReceivedTedsPost* is requested, only new transfers, leaving a lighter JSON response and not cumulative.

/api/BPO/v2/SetAcceptedTedPost	
Confirms an incoming transfer in the account.	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "Id": "4103497", "Type": "TED" }</pre>	<pre>true</pre>

Input Parameters		
Name	Type	Description
User*	Text	User provided by Banco Genial for API authentication.
Password*	Text	Password provided by Banco Genial for API authentication.
Agency*	Numeric	Bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numeric	Account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
Id*	Text	Non-unique transfer identifier.
Type*	Text	Transfer type. TED DOC PIX CMP (internal transfer between Banco Genial accounts)

(*) required field

Output Parameters		
Name	Type	Description
-	Text	true: confirmation successfully done. false: confirmation failed due to id not existing or previous confirmation already exists.

6. Making transfers (withdrawals)

Use the *SendTransferPost* service to make a transfer to accounts in other banks or between accounts in Banco Genial. This service will automatically perform an internal transfer (CMP) to Banco Genial's destination account or a TED to accounts in other banks. When making a successful transfer, it is not possible to return or cancel the transaction. The source account is immediately debited and the average time for the destination account to be credited is 30 minutes.

Time limit for TED

The service is available to make TED transfers from Monday to Friday from 00:00 to 16:40. After this time or bank holidays, the service will not allow you to perform the operation or schedule a transfer.

Internal transfers between Banco Genial accounts are not restricted, it works 24 hours a day.

/api/BPO/v2/SendTransferPost	
Performs a TED/CMP transfer to another account.	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 }</pre>	<pre>{ "Message": "", "ErrorCode": 0, "LiqdcId": 5276567 }</pre>

}	
---	--

Input Parameters		
Name	Type	Description
User*	Text	User provided by Banco Genial for API authentication.
Password*	Text	Password provided by Banco Genial for API authentication.
Agency*	Numeric	Bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numeric	Account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
BankDestination*	Numeric	Target account bank number without leading zero.
AgencyDestination*	Numeric	Destination account branch number without a check digit and no leading zero.
AccountDestination*	Numeric	Destination account number without check digit included, digits only, no special characters.
AccountDigit*	Numeric	Target account check digit. Use zero (0) for check digit X or nonexistent.
CPFCNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
PersonType*	Text	Type of person of the payer. F: person/individual J: company/legal entity
Name*	Text	Name of receiver. Use up to 40 characters.
Observation	Text	Free text for description of the transfer. Use up to 20 characters. This field also serves to validate the sending of duplicate TED transfers (only to other banks). The system will identify a duplicate when there is a transfer with identical text in the Observation field. Therefore, a good practice is to use your system's unique identifier in the Observation field to uniquely identify the transfer. If there is a reprocessing and the same unique identifier is used in this field, the API will block the creation of a new transfer. This duplicate check doesn't work to internal transfers.
AccountType*	Numeric	Destination account type. 1 - Checking Account 2 - Savings Account 3 - Conta Dep. judicial individual 4 - Conta Garantida 5 - Conta Deposito

		6 - Conta Pagamento 11 - Conta Corrente conjunta 12 - Conta Poupanca conjunta 13 - Conta Dep. judicial conjunta 21 - Conta Investimento individual 22 - Conta Investimento conjunta In most cases, option 1 is used. The transfer can be returned if the option is wrong.
Value*	Numeric Decimal	Transfer amount for withdrawal. Decimal separator: (.)
IgnorePaymentDuplication	Numeric	blank: prevents duplicated payments 0: prevents duplicated payments 1: make transfer without verifying duplicated payments

(*) required field

Output Parameters		
Name	Type	Description
Message	Text	Error message in case of failure.
ErrorCode	Numeric	0: transfer successful 2: error when performing the transfer 3: error in validating information 4: unexpected error
LiqdcId	Numeric	Non-unique identifier number of the transfer. The composition of LiqdcId field and type of transfer (TED or CMP) generates a composite key. Use CMP for internal transfers between accounts at Banco Genial, if not TED.

Double payment prevention mechanism

When making a transfer, the system will automatically validate if any payment has already been made to the same destination bank, destination branch, destination checking account and amount within the last 24 hours. Once a previous transfer is found, the system will not make the payment. The *IgnorePaymentDuplication* parameter can be used to make the duplicate payment if desired.

7. Getting returned TED transfers

The API provides the *GetReceivedTedsReturnPost* service to show returned transfers by destination bank, because a withdrawal can be returned by this bank at any time. When a TED is returned, the origin account is immediately credited. It is important to remember that internal transfers (CMP) cannot be returned.

/api/BPO/v3/GetReceivedTedsReturnPost	
Checks for returned TED transfers.	
Request (example)	Response (example)
<pre>{ "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }</pre>	<pre>[{ "Id": "2263762", "Value": 13980, "MovimentDate": "10/03/2020 00:00:00", "Name": "Ciclano da Rocha", "CPF_CNPJ": "333.333.333-33", "PersonType": null, "Description": "AGENCIA OU CONTA DESTINATARIA DO CREDITO INVALIDA", "Type": "TED_D", "Bank": "237", "ISPB": null, "BankName": null, "Agency": "3100", "Account": "7784", "AccountType": null, "AccountTypeId": 0, "OwnerAgency": "1", "OwnerAccount": "3212" }]</pre>

Input Parameters		
Name	Type	Description
User*	Texto	User provided by Banco Genial for API authentication.
Password*	Texto	Password provided by Banco Genial for API authentication.
Agency*	Numérico	Bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numérico	Account number with check digit included.
CPF_CNPJ*	Texto	CPF with 11 digits or CNPJ with 14 digits, without format mask.

(*) required field

Output Parameters		
Name	Type	Description
Id	Text	Non-unique transfer identifier number. The union of Id and Type fields creates a composite key.
Value	Numeric Decimal	Transfer amount returned. Decimal separator: (.)
MovementDate	Date Time	Date and time of movement in DD/MM/YYYY HH:MM:SS format.
Name	Text	Receiver name.
CPFCNPJ	Text	CPF or CNPJ of the receiver in numeric format with up to 11 digits (CPF) or up to 14 digits (CNPJ), without leading zero and without format mask.
PersonType	Text	Type of person of the receiver. F: person/individual J: company/legal entity
Description	Text	Observation of the transfer entered by the payer.
Type	Text	Transfer type. TED DOC PIX CMP (internal transfer between Banco Genial accounts)
Bank	Text	Bank code (with leading zero) of the receiver account.
ISPB	Text	Bank code, financial institution or payment service provider in the receiver account, with 8 digits in the Brazilian Payment System (SPB).
BankName	Text	Bank name of the receiver account.
Agency	Text	Receiver account bank branch (agency).
Account	Text	Receiver account number.

AccountType	Text	Description of the receiver account type.
AccountTypeId	Numeric	Identifier of the receiver account type. 1 - Checking Account 2 - Savings Account 3 - Conta Dep. judicial individual 4 - Conta Garantida 5 - Conta Deposito 6 - Conta Pagamento 11 - Conta Corrente conjunta 12 - Conta Poupanca conjunta 13 - Conta Dep. judicial conjunta 21 - Conta Investimento individual 22 - Conta Investimento conjunta
OwnerAgency	Text	Payer account bank branch (agency).
OwnerAccount	Text	Payer account number.

8. Confirming returned TED transfers

To confirm returned transfers, use the *SetAcceptedTedPost* service in the same way as used in the confirmation of received transfers. In this case, confirmed returns will no longer be displayed the next time *GetReceivedTedsReturnPost* is requested, only new returns, leaving a lighter JSON response and not cumulative. See the topic “Confirming incoming transfers” to learn how to use the *SetAcceptedTedPost* service.

9. Getting sent transfers (withdrawals)

The *GetSendedTeds* service displays all sent transfers (TED or CMP) from a specified start and end date. If a TED transfer is returned by destination bank (see section “Consulting returned TED transfers”), the transfer will be automatically removed from *GetSendedTeds* service. So, this service may show transfers susceptible to return by the destination bank.

/api/BPO/v3/GetSendedTedsPost	
Checks for sent transfers.	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "StartDate": "2020-11-01", "EndDate": "2020-12-01" }</pre>	<pre>[{ "Id": "3374903", "Value": 845, "MovimentDate": "03/11/2020 00:00:00", "Name": "FULANO TESTE", "CPF_CNPJ": "55555555555", "PersonType": "E", "Description": "TED/DOC E", "Type": "TED", "Bank": "341 - ITAU UNIBANCO S.A.", "ISPB": null, "BankName": null, "Agency": "9633", "Account": "185617", "AccountType": null, "AccountTypeId": 0, "OwnerAgency": null, "OwnerAccount": null }, { "Id": "3375041", "Value": 200, "MovimentDate": "03/11/2020 00:00:00", "Name": "PESSOA TESTE", "CPF_CNPJ": "77777777777", "PersonType": "E", "Description": "TED/DOC E", "Type": "TED", "Bank": "104 - CAIXA ECONOMICA FEDERAL",</pre>

	<pre> "ISPB": null, "BankName": null, "Agency": "218", "Account": "240692", "AccountType": null, "AccountTypeId": 0, "OwnerAgency": null, "OwnerAccount": null }] </pre>
--	---

Input Parameters

Nome	Tipo	Descrição
User*	Text	User provided by Banco Genial for API authentication.
Password*	Text	Password provided by Banco Genial for API authentication.
Agency	Numeric	Bank branch (agency) number without check digit and without leading zero.
AccountNumber	Numeric	Account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
StartDate*	Date	Start date in YYYY-MM-DD or DD-MM-YYYY format.
EndDate*	Date	End date in YYYY-MM-DD or DD-MM-YYYY format.

(*) required field

Output Parameters

Name	Type	Description
Id	Text	Non-unique transfer identifier number. The union of Id and Type fields creates a composite key.
Value	Numeric Decimal	Transfer amount. Decimal separator: (.)
MovimentDate	Date Time	Movement date and time in DD/MM/YYYY HH:MM:SS format.
Name	Text	Receiver name.
CPFCNPJ	Text	CPF or CNPJ of the receiver in numeric format with up to 11 digits (CPF) or up to 14 digits (CNPJ), without leading zero and without format mask.
PersonType	Text	Type of person of the receiver. F: person/individual

		J: company/legal entity
Description	Texto	Observation of the transfer entered by the payer.
Type	Texto	Transfer type. TED DOC PIX CMP (internal transfer between Banco Genial accounts)
Bank	Texto	Bank number (with leading zero) of the receiver account.
ISPB	Texto	Bank code, financial institution or payment service provider in the receiver account, with 8 digits in the Brazilian Payment System (SPB).
BankName	Texto	Bank name of the receiver account.
Agency	Texto	Receiver account bank branch (agency).
Account	Texto	Receiver account number.
AccountType	Texto	Description of the receiver account type.
AccountTypeId	Numérico	Identifier of the receiver account type. 1 - Checking Account 2 - Savings Account 3 - Conta Dep. judicial individual 4 - Conta Garantida 5 - Conta Deposito 6 - Conta Pagamento 11 - Conta Corrente conjunta 12 - Conta Poupanca conjunta 13 - Conta Dep. judicial conjunta 21 - Conta Investimento individual 22 - Conta Investimento conjunta
OwnerAgency	Texto	Payer account bank branch (agency).
OwnerAccount	Texto	Payer account number.

10. Getting transfer receipts (withdrawals)

To get the transfer receipt of a TED or CMP, use the *GetReceiptByIdPost* service. The service will show the HTML of the receipt as shown below. The receipt will be available as soon as the transfer has been successfully sent, remembering that the transfer may be returned (except internal CMP transfers) at any time by the destination bank.

/api/BPO/v2/GetReceiptByIdPost	
Checks for TED/CMP transfer receipt.	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "LiqdcId": 3374903 }</pre>	<pre>{ "Code": 0, "Comprovante": " <html><head><title>Comprovante DOC/TED</title><meta name='viewport' content='width=device- width'><style type='text/css'>.FirstColumn {width: 100px;}.borderNone {border-bottom: none;}</style></head><body><div><div><table style='border: 1px solid black; width: 600px; padding: 5px; margin-bottom: 5px;'><tbody><tr style='border-bottom: 1px solid black'><td colspan='2'><div id='logoImage' style='width: 200px;'><div style='margin-top: -57px; padding-left: 20px; width: 300px; margin-left: 250px; float: left;'>Comprovante de DOC/TED
Data Liquidação: 03/11/2020
Número de Controle: 3.374.903</div></div></tr><tr><td class='FirstColumn borderNone'>Conta de débito:</td><td class='borderNone'>Agência: 1 Conta: 321-2 Tipo: Conta- Corrente</td></tr><tr><td>Nome:</td><td>00.010.177/7787- 09</td></tr><tr><td class='FirstColumn borderNone'>Favorecido:</td><td class='borderNone'>FULANO DE TAL</td></tr><tr><td class='FirstColumn borderNone'>CPF/CNPJ:</td><td class='borderNone'>111.222.333- 44</td></tr><tr><td class='FirstColumn borderNone'>Conta de crédito:</td><td class='borderNone'>Banco: 341 - ITAU UNIBANCO S.A. Agência: 9633 Conta:185617</td></tr><tr><td class='FirstColumn borderNone'>Tipo de transferência:</td><td class='borderNone'>TED/DOC E</td></tr><tr><td class='FirstColumn borderNone'>Finalidade:</td><td class='borderNone'>CREDITO EM CONTA</td></tr><tr><td class='FirstColumn'>Valor:</td><td>845,00</td></tr><tr><td class='FirstColumn'>Autenticação:</td><td>LOTR-MK3M-K3B6-SBPR- JFGV-3BMK-3SEP-ONTX-QONT-XQGX-FSNC-SW</td></tr><tr><td style='border-bottom: 1px solid black; colspan='2'></td></tr></tbody></table></div><div style='page-break-after: always'></div></body></html>", "ErrorTexto": null }</pre>

TPLURAL		Comprovante de DOC/TED Data Liquidação: 03/11/2020 Número de Controle: 3.374.903
Conta de débito:	Agência: 1 Conta: 321-2 Tipo: Conta-Corrente	
Nome:	00.010.177/7787-09	
Favorecido:	FULANO DE TAL	
CPF/CNPJ:	111.222.333-44	
Conta de crédito:	Banco: 341 - ITAU UNIBANCO S.A. Agência: 9633 Conta:185617	
Tipo de transferência:	TED/DOC E	
Finalidade:	CREDITO EM CONTA	
Valor:	R\$45,00	
Autenticação:	LOTR-MK3M-K3B6-SBPR-JFGV-3BMK-3SEP-ONTX-QONT-XQGX-FSNC-SW	

Example of transfer receipt.

Input Parameters		
Name	Type	Description
User*	Text	User provided by Banco Genial for API authentication.
Password*	Text	Password provided by Banco Genial for API authentication.
Agency*	Numeric	Bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numeric	Account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
LiqdcId*	Numeric	Identification number of the TED or CMP transfer.

(*) required field

Output Parameters		
Name	Type	Description
Code	Text	0: receipt successfully done. 2: error generating receipt
Comprovante	Text	HTML of the TED or CMP transfer receipt.
ErrorTexto	Numeric	Error message in case of failure.

11. Requesting access to production environment

After understanding the API services and executing all tests in sandbox environment, the request for access to the production environment must be made by email to **api@bancoplural.com** or to your Officer at Banco Genial.

Access by VPN IPSec connection

To access the API in production it will be necessary to establish an IPSec VPN connection with Banco Genial. Our telecommunications area will send all the necessary information by e-mail to configure the connection. At the end of the process the production user and password will be sent by email to the customer.

Appendix A - Common errors when making transfers (withdrawals)

The examples below describe the most common errors when making transfers using *SendTransferPost* service.

Incorrect user and/or password	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "WRONG_USER", "Password": "WRONG_PWD", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 }</pre>	<p>Usuario não autenticado para esta agência e conta</p>

Time limit exceeded	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" } }</pre>	<p>Horario Limite estourado</p>

<pre> }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 } </pre>	
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Duplicated TED	
Request (example)	Response (example)
<pre> { "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 341, "AgencyDestination": 7035, "AccountDestination": 315, "AccountDigit": 6, "CPFCNPJ": "05393638710", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 } </pre>	<pre> { "Message": "TED Duplicada - Id existente 1018227", "ErrorCode": 3, "LiqdcId": 0 } </pre>

Bank code in the wrong format	
Request (example)	Response (example)

<pre>{ "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 3411, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 }</pre>	<pre>{ "Message": "Erro Metodos - Banco em formato invalido, apenas aceitos números e máximo de 3 digitos", "ErrorCode": 3, "LiqdcId": 0 }</pre>
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Incorrect bank code	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 311, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 }</pre>	<pre>{ "Message": "BC-3010: Não foi encontrada uma Instituição Financeira ativa para os parâmetros informados ID BANCO: 311 / ISPB_IF: .", "ErrorCode": 2, "LiqdcId": 0 }</pre>

}	
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Bank branch (agency) number in the wrong format

Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": s112, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 }</pre>	<pre>{ "Message": "Erro Metodos - Agencia em formato invalido, apenas aceitos números e máximo de 4 digitos", "ErrorCode": 3, "LiqdcId": 0 }</pre>

Account number (or check digit) in the wrong format

Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, }</pre>	<pre>{ "Message": "Erro Metodos - Conta ou Dígito em formato invalido, apenas aceitos numeros", "ErrorCode": 3, "LiqdcId": 0 }</pre>

<pre> "AccountDestination": d4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 } </pre>	
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Incorrect CNPJ	
Request (example)	Response (example)
<pre> { "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "11122233344455", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 } </pre>	<pre> { "Message": "Erro Metodos - CNPJ invalido", "ErrorCode": 3, "LiqdcId": 0 } </pre>

Incorrect CPF	
Request (example)	Response (example)
<pre> { "Authentication": { </pre>	<pre> { "Message": "Erro Metodos - CPF invalido", </pre>

<pre> "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "11122233344", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 } </pre>	<pre> "ErrorCode": 3, "LiadcId": 0 } </pre>
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Incorrect person type

Request (example)	Response (example)
<pre> { "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "T", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 0.01 } </pre>	<pre> { "Message": "Erro Metodos - Tipo de pessoa passado invalido, utilize (F ou J)", "ErrorCode": 3, "LiadcId": 0 } </pre>

Incorrect account type	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", "PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 441, "Value": 0.01 }</pre>	<pre>{ "Message": "Erro Metodos - Tipo Conta em formato invalido, apenas aceitos números que estão na documentação (1;2;3;4;5;6;11;12;13;21;22)", "ErrorCode": 3, "LiqdcId": 0 }</pre>

Incorrect withdrawal value format	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": " APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "BankDestination": 125, "AgencyDestination": 1, "AccountDestination": 4084, "AccountDigit": 3, "CPFCNPJ": "22222222222", }</pre>	<pre>{ "Message": "An error has occurred.", }</pre>

<pre>"PersonType": "F", "Name": "Fulano de Tal", "Observation": "123456", "AccountType": 1, "Value": 10850,99 }</pre>	
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Appendix B - Common errors when confirming incoming transfers (deposits)

The examples below describe the most common errors when confirming incoming transfers via *SetAcceptedTedPost* service.

Invalid id	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "Id": "41a034b97", "Type": "TED" }</pre>	<p>Número de liquidação incorreto (Id: '41a034b97'). Utilize somente números de até 10 dígitos.</p>

Invalid transfer type	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "Id": "4103497", "Type": "TEDE" }</pre>	<p>Tipo de lançamento incorreto (type: 'TEDE'). Utilize TED, DOC, CMP TED_D ou TED_C.</p>

Unknown id or already confirmed	
Request (example)	Response (example)
<pre>{ "Authentication": { "User": "APITEST", "Password": "APITEST", "Agency": 1, "AccountNumber": 3212, "CPF_CNPJ": "11111111111" }, "Id": "123456", "Type": "TED" }</pre>	<pre>false</pre>