

# Technical Documentation - API BaaS

## PIX

Updated on 24.02.2021

This document describes all the requisites to use API BaaS PIX module to manage Pix transactions through 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

<b>API Address</b>	<a href="http://bp-api-hml.brasilplural.com/api/PIX">http://bp-api-hml.brasilplural.com/api/PIX</a>
<b>Swagger Address</b>	<a href="http://bp-api-hml.brasilplural.com/swagger">http://bp-api-hml.brasilplural.com/swagger</a>
<b>User</b>	APITEST
<b>Password</b>	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.

<b>Bank code</b>	125 – Banco Genial	125 – Banco Genial
<b>Bank branch (agency)</b>	0001	0001
<b>Account number/check digit</b>	321-2	4084-3
<b>CPF</b>	101.777.787-09	459.583.338-52
<b>Pix Key (CPF)</b>	10177778709	45958333852

## 2. Getting your Pix keys

Use the *GetKeysByAgencyAccountPost* service to get all Pix keys registered in your account.

<b>/api/PIX/v1/GetKeysByAgencyAccountPost</b>	
Get all Pix keys from your account.	
<b>Request (example)</b>	<b>Response (example)</b>
<pre>{   "User": "APITEST",   "Password": "APITEST",   "Agency": 1,   "AccountNumber": 40843,   "CPF_CNPJ": "45958333852" }</pre>	<pre>{   "keysField": [     {       "idField": "cc6d780b-966c-4ea8-81cb-038e67cf1163",       "pspIdentificationField": "45246410",       "accountHolderField": {         "taxIdField": "45958333852",         "taxIdMaskField": "***.583.338-***",         "nameField": "Testtttt",         "tradeNameField": null,         "ownerTypeField": "NATURAL_PERSON",         "PropertyChanged": null       },       "statusField": "ACTIVE",       "accountAdditionalInformationField": {         "branchField": 1,         "accountNumberField": 40843,         "accountTypeField": "CACC",         "PropertyChanged": null       },       "bankNameField": null,       "keyField": "45958333852",       "keyTypeField": "CPF",       "PropertyChanged": null     }   ],   "PropertyChanged": null }</pre>

<b>Input Parameters</b>		
<b>Name</b>	<b>Type</b>	<b>Description</b>
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
statusField	Text	<p>Status of Pix key.</p> <p>The ACTIVE status means that the key is ready to be used on transactions.</p> <p>The USER_KEY_OWNERSHIP_VALIDATION_PENDING status means that you need to activate your EMAIL Pix key by accessing your inbox and clicking in the confirmation link received by e-mail. After activation, your key is ready for transactions.</p> <p><b>ACTIVE</b></p> <p>REJECTED EXPIRED EXCLUDED CLEARING_REGISTRATION_PENDING PENDING_DELETION IDENTITY_VALIDATION_PENDING PENDING_CLAIM_CONFIRMATION PENDING_PORTABILITY_CONFIRMATION DONATED_FOR_PORTABILITY PORTABILITY_REQUESTED USER_CONFIRMATION_PENDING_PORTABILITY PENDING_PORTABILITY_DICT AWAITING_RETURN_PSP_DONOR UNSUCCESSFUL_PORTABILITY CANCEL_PORTABILITY_REQUEST CONFIRM_CLAIMING_PORTABILITY SUCCESSFUL_PORTABILITY PENDING_CLAIM_DICT CLAIM_AWAITING_RETURN_PSP_DONOR PENDING_VALIDATION_COMPLETE_CLAIM SUCCESSFUL_CLAIM UNSUCCESSFUL_CLAIM CANCEL_CLAIM_REQUEST OWNERSHIP_REQUESTED USER_KEY_OWNERSHIP_VALIDATION_PENDING DONOR_PSP_KEY_CONFIRMED DONOR_PSP_KEY_UNCONFIRMED CLAIM_RESOLUTION_PERIOD_CLOSED DONATED_BY_CLAIM PENDING_UPDATE</p>
keyField	Text	Pix key.
keyTypeField	Text	<p>Type of Pix key.</p> <p>EMAIL EVP CPF CNPJ PHONE</p>

### 3. Creating a Pix key

Use *AddKeyData* service to create a Pix key linked in your account in Banco Genial, knowing that the limit of keys in a company is up to 20 keys and the Pix key maintenance service is available only on working days between 9 a.m. and 6 p.m..

#### Checking status of your created Pix key

When creating a Pix key, it is necessary to wait a few seconds for the key to be activated. After creating the key, use the *GetKeysByAgencyAccountPost* service described in “Getting your Pix keys” and check the status of the key through the *statusField* field. The situation should indicate ACTIVE so that your key is ready for use.

<b>/api/PIX/v1/AddKeyData</b>	
Creates a Pix key in your account.	
<b>Request (example)</b>	<b>Response (example)</b>
<pre>{   "authentication": {     "User": "APITEST",     "Password": "APITEST",     "Agency": 1,     "AccountNumber": 40843,     "CPF_CNPJ": "45958333852"   },   "key": "",   "keyType": "EVP",   "name": "NOME DA SUA CONTA" }</pre>	<pre>{   "ErrorCode": 0,   "ErrorMessage": "",   "key": {     "errorField": null,     "validationTokenField": null,     "idField": "b7dadae4-78de-492d-ab2b-1d7ab9a96c5e",     "pspIdentificationField": "45246410",     "statusField": "CLEARING_REGISTRATION_PENDING",     "accountField": {       "branchField": 1,       "accountNumberField": 40843,       "accountTypeField": "CACC",       "openingDateField": "2020-01-30T00:00:00",       "PropertyChanged": null     },     "keyField": null,     "keyTypeField": "EVP",     "PropertyChanged": null   } }</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.
key*	Text	Pix key.
keyType*	Text	Type of Pix key.  EMAIL EVP CPF CNPJ PHONE
name*	Text	Name of the account holder.

(\*) required field

Output Parameters		
Name	Type	Description
ErrorCode	Numeric	0: Pix key successfully created 2: error on creating Pix key
ErrorMessage	Text	Error description when creating a Pix key.
statusField	Text	Status of Pix key.  When status ACTIVE means that key is ready for transactions.  The status USER_KEY_OWNERSHIP_VALIDATION_PENDING indica que é necessário ativar a chave de EMAIL Pix através do e-mail de confirmação recebido pelo sistema. Após ativado, a chave de EMAIL torna-se ACTIVE.  <b>ACTIVE</b> REJECTED EXPIRED EXCLUDED CLEARING_REGISTRATION_PENDING PENDING_DELETION IDENTITY_VALIDATION_PENDING PENDING_CLAIM_CONFIRMATION PENDING_PORTABILITY_CONFIRMATION DONATED_FOR_PORTABILITY PORTABILITY_REQUESTED USER_CONFIRMATION_PENDING_PORTABILITY

		PENDING_PORTABILITY_DICT AWAITING_RETURN_PSP_DONOR UNSUCCESSFUL_PORTABILITY CANCEL_PORTABILITY_REQUEST CONFIRM_CLAIMING_PORTABILITY SUCCESSFUL_PORTABILITY PENDING_CLAIM_DICT CLAIM_AWAITING_RETURN_PSP_DONOR PENDING_VALIDATION_COMPLETE_CLAIM SUCCESSFUL_CLAIM UNSUCCESSFUL_CLAIM CANCEL_CLAIM_REQUEST OWNERSHIP_REQUESTED USER_KEY_OWNERSHIP_VALIDATION_PENDING DONOR_PSP_KEY_CONFIRMED DONOR_PSP_KEY_UNCONFIRMED CLAIM_RESOLUTION_PERIOD_CLOSED DONATED_BY_CLAIM PENDING_UPDATE
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## 4. Deleting a Pix key

Use *DeletePixKey* service to delete a Pix key linked in your account, knowing that Pix key maintenance service is available only on working days between 9 a.m. and 6 p.m..

<b>/api/PIX/v1/DeletePixKey</b>	
Deletes a Pix key.	
<b>Request (example)</b>	<b>Response (example)</b>
<pre>{   "authentication": {     "User": "APITEST",     "Password": "APITEST",     "Agency": 1,     "AccountNumber": 40843,     "CPF_CNPJ": "string"   },   "key": "45958333852" }</pre>	<pre>{   "ErrorCode": 0,   "ErrorMessage": "",   "Success": true }</pre>

<b>Input Parameters</b>		
<b>Name</b>	<b>Type</b>	<b>Description</b>
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

<b>Output Parameters</b>		
<b>Name</b>	<b>Type</b>	<b>Description</b>
ErrorCode	Numeric	0: key successfully deleted 2: unknown error on deleting Pix key 3: error on deleting Pix key 4: key doesn't belong to agency and account



ErrorMessage	Text	Error message in case of failure.
Success	Text	True: key successfully deleted. False: error on deleting key.

## 5. Making Pix transfers

Use *SendPix* service to make a Pix transfer to accounts at other banks, financial institutions, payment service providers or between accounts at Banco Genial. When making a successful transfer, it is not possible to reverse or cancel the transaction. The source account is immediately debited and the average time for the destination account to be credited is 3 seconds. The service operates every day of the year, including holidays, 24 hours a day.

To check whether a Pix was successfully done or not, see the topic “*Verifying status of a Pix transfer*”.

### 5.1. Using beneficiary’s bank data

To make a Pix using the beneficiary's bank details, use the JSON format of the *SendPix* service without the *endToEndId* and *key* fields.

In the example below, the beneficiary will receive a Pix from account A (321-2) in the amount of R\$ 18.55 to his account B (4084-3) through bank details: branch 1, checking account 4084-3, CPF 459.583.338/52.

<b>/api/PIX/v1/SendPix</b>	
Performs a Pix transfer to another account using the receiver's bank details.	
<b>Request (example)</b>	<b>Response (example)</b>
<pre>{   "authentication": {     "User": "APITEST",     "Password": "APITEST",     "Agency": 1,     "AccountNumber": 3212,     "CPF_CNPJ": "10177778709"   },   "debitName": "Felipe Borello",   "creditAgency": "1",   "creditAccount": "40843",   "creditAccountType": "CACC",   "creditCPFCNPJ": "45958333852",   "creditISPB": 45246410,   "observation": "",   "value": 18.55,   "receiverReconciliationIdentifier": "" }</pre>	<pre>{   "ErrorCode": 0,   "ErrorMessage": "",   "data": {     "dataField": {       "instantPaymentIdField": "6934008a-988a-43e3-ac14-e0f1100c3753",       "rejectionReasonField": null,       "eventStatusField": {         "codeField": "39",         "descriptionField": "Waiting credit validation",         "PropertyChanged": null       },       "endToEndIdField": "E45246410202102112129PJbxbnSUmYw",       "payerField": {         "accountField": {           "branchField": 1,           "accountNumberField": 3212,           "PropertyChanged": null         },         "checkCustomerAccountBalanceField": true,         "taxIdField": null,       }     }   } }</pre>

	<pre> "nameField": "Felippe Borello", "PropertyChanged": null }, "receiverField": { "institutionIspbField": null, "receiverInstitutionISPBField": 45246410, "taxIdField": null, "receiverTaxIdField": "45958333852", "addressingKeyField": null, "endToEndIdQueryField": "E45246410202102112129PJbxbnSUmYw", "accountField": { "branchField": "1", "accountNumberField": "40843", "accountTypeField": "CACC", "PropertyChanged": null }, "bankNameField": null, "PropertyChanged": null }, "valueField": 18.55, "receiverReconciliationIdentifierField": "", "additionalInformationField": "", "customerInitiationTimestampUTCField": "2021-02-11T21:29:03", "originalSystemTransactionIdentifierField": null, "initiatingInstitutionField": 45246410000155, "demandsImmediateReturnField": true, "historicComplementField": "", "informationAccountHolderField": null, "originSystemField": null, "PropertyChanged": null }, "PropertyChanged": null } </pre>
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### 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	Payer bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numeric	Payer account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
DebitName*	Text	Name of the payer account holder at Banco Genial.

CreditAgency*	Numeric	Receiver account branch number without check digit and no leading zero.
CreditAccount*	Numeric	Receiver account number with check digit included, digits only, without special characters.
CreditAccountType*	Text	Receiver account type.  CACC: account used for credit and debit when not specified.  SLRY: salary payment account.  SVGS: savings account.
CreditCPF CNPJ*	Text	Receiver CPF with 11 digits or CNPJ with 14 digits, without format mask.
CreditISPB*	Numeric	Number of the bank, financial institution or payment service provider in the recipient's account, with 8 digits in the Brazilian Payment System (SPB).
EndToEndId	Text	Pix key query control id. This number is acquired when consulting the <i>GetKeyData</i> service.
Key	Text	Receiver Pix key.
Observation	Text	Free text for transfer description. Use up to 20 characters.
Value*	Numeric Decimal	Transfer amount for withdrawal. Decimal separator: (.)
ReceiverReconciliation Identifier	-	Not for use.

(\*) required field

Output Parameters		
Name	Type	Description
ErrorMessage	Texto	Error message in case of failure.
ErrorCode	Numérico	0: Pix transfer successfully done 2: unknown error when making transfer
InstantPaymentIdField	Texto	Pix identifier number.

The *GetReceivedTedsPost* service of the API BPO module (see the BaaS BPO API manual) can be used to fill in all the necessary fields of the *SendPix* service in cases of return of values to the source. The table below shows the list of parameters of the *GetReceivedTedsPost* service for filling and sending the return through the *SendPix* service.

<b>/api/BPO/v3/GetReceivedTedsPost</b>	<b>/api/PIX/v1/SendPix</b>
Agency	creditAgency
Account	creditAccount
CPFCNPJ	creditCPFCNPJ
ISPB	creditISPB
Value	value

## 5.2. Using beneficiary's Pix key

To make a Pix using the beneficiary's key, it will be necessary to capture the bank details of the key through the *GetKeyData* service and then making a Pix with the *SendPix* service. The fields *endToEndId* and *key* must be filled in to identify that the Pix transfer was made using the consulted key.

In the example below, the beneficiary will receive a Pix from account A (321-2) in the amount of R\$ 18.55 to his account B (4084-3) using the Pix key CPF 45958333852.

<b>/api/PIX/v1/GetKeyData</b>	
Gets the bank details of the key needed to make a Pix to the beneficiary.	
<b>Request (example)</b>	<b>Response (example)</b>
<pre>{   "authentication": {     "User": "APITEST",     "Password": "APITEST",     "Agency": 1,     "AccountNumber": 3212,     "CPF_CNPJ": "10177778709"   },   "key": "45958333852" }</pre>	<pre>{   "ErrorCode": 0,   "ErrorMessage": "",   "key": {     "endToEndIdField": "E45246410202102121557gG6cflD5Ba2",     "idField": "cc6d780b-966c-4ea8-81cb-038e67cf1163",     "pspIdentificationField": "45246410",     "accountHolderField": {       "taxIdField": "45958333852",       "taxIdMaskField": "****.583.338-***",       "nameField": "NOME DO TITULAR",       "tradeNameField": null,       "ownerTypeField": "NATURAL_PERSON",       "PropertyChanged": null     },     "statusField": "ACTIVE",     "accountAdditionalInformationField": {</pre>

	<pre> "branchField": 1, "accountNumberField": 40843, "accountTypeField": "CACC", "PropertyChanged": null }, "bankNameField": "PLURAL BCO BM", "keyField": "45958333852", "keyTypeField": "CPF", "PropertyChanged": null } } </pre>
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### 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.
Key*	Text	Beneficiary Pix key to be consulted.

### Output Parameters

Name	Type	Description
ErrorMessage	Text	Error message in case of failure.
ErrorCode	Numeric	0: consult successfully done 2: unknown error when consulting key
EndToEndIdField	Text	Pix key query control id.  This number must be used in the API's <i>SendPix</i> service when the receiver's key is used when sending Pix.
PspIdentificationField	Numeric	ISPB number of the bank, financial institution or payment service provider in the receiver's account, with 8 digits in the Brazilian Payment System (SPB).
TaxIdField	Numeric	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.
StatusField	Text	Status of Pix key.

		<p>The ACTIVE status means that the receiver's key is ready to be used on transactions.</p> <p><b>ACTIVE</b>  REJECTED  EXPIRED  EXCLUDED  CLEARING_REGISTRATION_PENDING  PENDING_DELETION  IDENTITY_VALIDATION_PENDING  PENDING_CLAIM_CONFIRMATION  PENDING_PORTABILITY_CONFIRMATION  DONATED_FOR_PORTABILITY  PORTABILITY_REQUESTED  USER_CONFIRMATION_PENDING_PORTABILITY  PENDING_PORTABILITY_DICT  AWAITING_RETURN_PSP_DONOR  UNSUCCESSFUL_PORTABILITY  CANCEL_PORTABILITY_REQUEST  CONFIRM_CLAIMING_PORTABILITY  SUCCESSFUL_PORTABILITY  PENDING_CLAIM_DICT  CLAIM_AWAITING_RETURN_PSP_DONOR  PENDING_VALIDATION_COMPLETE_CLAIM  SUCCESSFUL_CLAIM  UNSUCCESSFUL_CLAIM  CANCEL_CLAIM_REQUEST  OWNERSHIP_REQUESTED  USER_KEY_OWNERSHIP_VALIDATION_PENDING  DONOR_PSP_KEY_CONFIRMED  DONOR_PSP_KEY_UNCONFIRMED  CLAIM_RESOLUTION_PERIOD_CLOSED  DONATED_BY_CLAIM  PENDING_UPDATE</p>
BranchField	Numérico	Receiver agency number without a check digit and no leading zero.
AccountNumberField	Numérico	Receiver's account number with check digit included.
AccountTypeField	Texto	<p>Receiver account type.</p> <p>CACC: account used for credit and debit when not specified.</p> <p>SLRY: salary payment account.</p> <p>SVGS: savings account.</p>
KeyField	Texto	Receiver Pix key.
KeyTypeField	Texto	<p>Type of receiver's Pix key.</p> <p>EMAIL  EVP  CPF  CNPJ  PHONE</p>

The table below indicates the relationship between the *GetKeyData* service parameters and the the *SendPix* service parameters.

/api/PIX/v1/GetKeyData	/api/PIX/v1/SendPix
branchField	creditAgency
accountNumberField	creditAccount
accountTypeField	creditAccountType
taxIdField	creditCPFCNPJ
pspIdentificationField	creditISPB
endToEndIdField	endToEndId
keyField	key

### /api/PIX/v1/SendPix

Make a Pix transfer to another account using the beneficiary's Pix key.

#### Request (example)

```
{
  "authentication": {
    "User": "APITEST",
    "Password": "APITEST",
    "Agency": 1,
    "AccountNumber": 3212,
    "CPF_CNPJ": "1017778709"
  },
  "debitName": "Felippe Borello",
  "creditAgency": "1",
  "creditAccount": "40843",
  "creditAccountType": "CACC",
  "creditCPFCNPJ": "45958333852",
  "creditISPB": 45246410,
  "observation": "",
  "value": 18.55,
  "receiverReconciliationIdentifier": ""
}
```

#### Response (example)

```
{
  "ErrorCode": 0,
  "ErrorMessage": "",
  "data": {
    "dataField": {
      "instantPaymentIdField": "6934008a-988a-43e3-ac14-e0f1100c3753",
      "rejectionReasonField": null,
      "eventStatusField": {
        "codeField": "39",
        "descriptionField": "Waiting credit validation",
        "PropertyChanged": null
      },
    },
    "endToEndIdField": "E45246410202102112129PJbxbnSUmYw",
    "payerField": {
      "accountField": {
        "branchField": 1,
        "accountNumberField": 3212,
        "PropertyChanged": null
      },
      "checkCustomerAccountBalanceField": true,
      "taxIdField": null,
      "nameField": "Felippe Borello",
      "PropertyChanged": null
    },
    "receiverField": {
      "institutionIspbField": null,
      "receiverInstitutionISPBField": 45246410,
      "taxIdField": null,
      "receiverTaxIdField": "45958333852",
      "addressingKeyField": null,
      "endToEndIdQueryField": "E45246410202102112129PJbxbnSUmYw",
      "accountField": {
```



	<pre> "branchField": "1", "accountNumberField": "40843", "accountTypeField": "CACC", "PropertyChanged": null }, "bankNameField": null, "PropertyChanged": null }, "valueField": 18.55, "receiverReconciliationIdentifierField": "", "additionalInformationField": "", "customerInitiationTimestampUTCField": "2021-02-11T21:29:03", "originalSystemTransactionIdentifierField": null, "initiatingInstitutionField": 45246410000155, "demandsImmediateReturnField": true, "historicComplementField": "", "informationAccountHolderField": null, "originSystemField": null, "PropertyChanged": null }, "PropertyChanged": null } </pre>
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### 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	Payer bank branch (agency) number without check digit and without leading zero.
AccountNumber*	Numeric	Payer account number with check digit included.
CPF_CNPJ*	Text	CPF with 11 digits or CNPJ with 14 digits, without format mask.
DebitName*	Text	Name of the payer account holder at Banco Genial.
CreditAgency*	Numeric	Receiver account branch number without check digit and no leading zero.
CreditAccount*	Numeric	Receiver account number with check digit included, digits only, without special characters.
CreditAccountType*	Text	Receiver account type.  CACC: account used for credit and debit when not specified.  SLRY: salary payment account.  SVGS: savings account.

CreditCPF CNPJ*	Text	Receiver CPF with 11 digits or CNPJ with 14 digits, without format mask.
CreditISPB*	Numeric	Number of the bank, financial institution or payment service provider in the recipient's account, with 8 digits in the Brazilian Payment System (SPB).
EndToEndId	Text	Pix key query control id. This number is acquired when consulting the <i>GetKeyData</i> service.
Key	Text	Receiver Pix key.
Observation	Text	Free text for transfer description. Use up to 20 characters.
Value*	Numeric Decimal	Transfer amount for withdrawal. Decimal separator: (.)
ReceiverReconciliation Identifier	-	Not for use.

(\*) required field

<b>Output Parameters</b>		
<b>Name</b>	<b>Type</b>	<b>Description</b>
ErrorMessage	Text	Error message in case of failure.
ErrorCode	Numeric	0: transfer successfully done 2: unexpected error when making transfer
InstantPaymentIdField	Text	Pix transaction identifier number.

## 6. Verifying status of a Pix transfer

The API provides the *GetSendedPix* service to check the status of a Pix transfer during its processing. The Pix transaction has up to 34 seconds to be carried out end-to-end by the Central Bank from the moment it is requested at the origin by the *SendPix* service.

The status of a Pix transfer must be “SUCCESS” (field *eventStatusField*) indicating that the payment was successfully received by the beneficiary.

<b>/api/BPO/v1/GetSendedPix</b>	
Check the status of a Pix transfer.	
<b>Request (example)</b>	<b>Response (example)</b>
<pre>{   "authentication": {     "User": "APITEST",     "Password": "APITEST",     "Agency": 1,     "AccountNumber": 3212,     "CPF_CNPJ": "10177778709"   },   "InstantPaymentId": "6934008a-988a-43e3-ac14-e0f1100c3753" }</pre>	<pre>{   "data": {     "dataField": {       "pageableField": null,       "contentField": [         {           "eventIdField": null,           "payerField": {             "accountField": {               "branchField": 1,               "accountNumberField": 3212,               "PropertyChanged": null             },             "checkCustomerAccountBalanceField": null,             "taxIdField": "10177778709",             "nameField": "Felippe Borello",             "PropertyChanged": null           },           "receiverField": {             "institutionIspbField": 45246410,             "receiverInstitutionISPBField": null,             "taxIdField": "45958333852",             "receiverTaxIdField": null,             "addressingKeyField": "",             "endToEndIdQueryField": null,             "accountField": {               "branchField": "1",               "accountNumberField": "40843",               "accountTypeField": "",               "PropertyChanged": null             },             "bankNameField": "PLURAL BCO BM",           }         }       ]     }   } }</pre>

	<pre> "PropertyChanged": null     },     "endToEndIdField": "E45246410202102112129PJbxbnSUmYw",     "originalEndToEndIdField": null,     "originalAmountField": 18.55,     "maximumAmountReturnField": null,     "receiverReconciliationIdentifierField": null,     "additionalInformationField": "",     "effectiveSettlementDateField": "2021-02-11T21:29:03",     "customerInitiationTimestampUTCField": "2021-02-11T21:29:03",     "originalSystemTransactionIdentifierField": null,     "initiatingInstitutionField": null,     "informationAccountHolderField": "Felippe Borello",     "originSystemField": null,     "eventTypeField": "PAYMENT",     "eventStatusField": "SUCCESS",     "PropertyChanged": null     }   },   "totalPagesField": null,   "totalElementsField": null,   "lastField": null,   "firstField": null,   "sortField": null,   "numberField": null,   "numberOfElementsField": null,   "sizeField": null,   "emptyField": null,   "PropertyChanged": null }, "PropertyChanged": null }, "ErrorCode": 0, "ErrorMessage": "" } </pre>
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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.
InstantPaymentId	Text	Identification number of PIX transfer received in response of SendPix service.

(\*) required field

Output Parameters		
Name	Type	Description
ErrorMessage	Text	Error message in case of failure.
ErrorCode	Numérico	0: consult successfully done 2: unexpected error when consulting payment 4: payment not found 5: account doesn't belong to selected payment
CustomerInitiationTimestampUTCField	Text	Date and time of Pix operation by payer.
EffectiveSettlementDateField	Text	Date and time of settlement in receiver's account.
EventTypeField	Text	Type of Pix transfer.  PAYMENT
EventStatusField	Text	State of Pix transfer.  The SUCCESS status means that Pix transfer was successfully done.  <b>SUCCESS</b> PAYMENT_REJECTED PAYMENT_INITIALIZED WAITING_PAYMENT_CONFIRM PAYMENT_REJECTED_BY_CLEARING ERROR UNCONFIRMED_OPERATION PAYMENT_WAITING_APPROVAL FULL_RETURN PARTIAL_RETURN RECEIPT_RECEIVED WAITING_RECEIPT_CONFIRM RECEIPT_REJECTED RECEIPT_REJECTION_CONFIRMED RECEIPT_REJECTED_BY_CLEARING

		PENDING_PROCESSING RETURN_INITIATED RETURN_REJECTED WAITING_RETURN_CONFIRM RETURN_REJECTED_BY_CLEARING RETURN_WAITING_APPROVAL RETURN_RECEIVED RETURN_REJECTION_CONFIRMED
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## 7. Generating a payment code for static QR code

The *GenerateStaticQRCode* service generates a payment code associated with your Banco Genial account to receive payments via Pix. This code can be used to generate a QR code and make payment by the user.

<b>/api/BPO/v1/GenerateStaticQRCode</b>	
Generates the payment code to receive payments by static QR code.	
<b>Request (example)</b>	<b>Response (example)</b>
<pre>{   "authentication": {     "User": "APITEST",     "Password": "APITEST",     "Agency": 1,     "AccountNumber": 3212,     "CPF_CNPJ": "10177778709"   },   "value": 110.90,   "key": "10177778709",   "keyType": "CPF",   "reference": "",   "accountHolderName": "Felippe Borello",   "additionalInformation": "" }</pre>	<pre>{   "ErrorCode": 0,   "ErrorMessage": "",   "data": {     "textContentField": "00020101021126330014br.gov.bcb.pix0111101777787095204000053039865406110. 905802BR5915Felippe Borello6009SAO PAULO62070503***63044FE5",     "imageContentField": null,     "mimyTypeField": "image/png",     "actualImageWidthField": 400,     "pixLinkField": "https://pix.bcb.gov.br/qr/MDAwMjAxMDEwMjExMjYzZmZAwMTRici5n b3YuYmNiLnBpeDAXMTEwMDE3Nzc3ODcwOTUyMDQwMDAwNT MwMzk4NjU0MDYxMTAuOTA1ODAyQlI1OTE1RmVsaxBwZSBcb 3JlbGxvNjAwOVNBTEyBQVVMTzYyMDcwNTAzKioqNjMwNDRGRtU=",     "PropertyChanged": null   } }</pre>

<b>Input Parameters</b>		
<b>Name</b>	<b>Type</b>	<b>Description</b>
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.
Key*	Text	Receiver Pix key.
KeyType*	Text	Type of Pix key. EMAIL EVP CPF CNPJ PHONE
Value	Numeric	Transfer amount for deposit. Decimal separator: (.)
Reference	Text	Free text for control number referring to an external system or integration between systems. Use up to 20 characters.
AccountHolderName	Text	Name of the account holder at Banco Genial.
AdditionalInformation	Text	Free text for description of receipt. Use up to 20 characters.

(\*) required field

<b>Output Parameters</b>		
<b>Name</b>	<b>Type</b>	<b>Description</b>
ErrorMessage	Text	Error message in case of failure.
ErrorCode	Numeric	0: consult successfully done 2: unexpected error when generating payment code
TextContentField	Text	Payment code linked in Banco Genial account.  Deposit amount, reference and additional information are optional fields and can be associated with the payment code if informed.



## 8. Getting ISPB code of banks, financial institutions and payment service providers

The *GetPsp*s service lists ISPB (Brazilian Payment System Identifier) codes for banks, financial institutions and payment service providers authorized by the Central Bank. The ISPB code is mandatory in the *SendPix* service to identify the recipient's bank.

<b>/api/BPO/v1/GetPsp</b>	
Consult the list of banks, financial institutions and payment service providers.	
<b>Request (example)</b>	<b>Response (example)</b>
	<pre>[   {     "identificationField": "0",     "nameField": "BCO DO BRASIL S.A.",     "directParticipantIdentificationField": null,     "PropertyChanged": null   },   {     "identificationField": "208",     "nameField": "BRB - BCO DE BRASILIA S.A.",     "directParticipantIdentificationField": null,     "PropertyChanged": null   },   {     "identificationField": "315557",     "nameField": "CONF NAC COOP CENTRAIS UNICRED",     "directParticipantIdentificationField": null,     "PropertyChanged": null   },   {     "identificationField": "416968",     "nameField": "BANCO INTER",     "directParticipantIdentificationField": null,     "PropertyChanged": null   },   ... ]</pre>

### Input Parameters

None.

<b>Output Parameters</b>		
<b>Name</b>	<b>Type</b>	<b>Description</b>
identificationField	Numeric	Number of the bank, financial institution or payment service provider in the receiver's account, with 8 digits in the Brazilian Payment System (SPB).
nameField	Text	Name of the bank, financial institution or payment service provider.