

BOLETO SERVICE Integration Manual

Manual Version: 1.2

www.boletobancario.com

1- WHAT IS IT?

Boleto Service is a web service for the generation of *boletos bancarios* on the Internet. It can be invoked from applications written in any programming language. Boleto Service is hosted in our servers, located in a redundant cloud infrastructure.

You can also use Boleto Service in local applications, such as desktop applications. For example, you can invoke Boleto Service and save the returned boleto in a file or database.

2- HOW DOES IT WORK?

The web service provides a URL that must be invoked for the generation of the boletos. The protocol used is HTTPS. Optionally, HTTP could be used, but it is not recommended given the sensitive data transferred between your application and Boleto Service. As for the HTTP method, GET or POST can be used. POST is generally more recommended because it has less limitations regarding encoding and request size.

There are two ways to invoke the web service:

1) **(Recommended)** Using a component that is able to perform HTTPS calls and bring the response of these calls to the application, so that it can be displayed, saved in disk, sent by email or some other usage.

This method is much safer than the next one. The web service is invoked without exposing any sensitive data to the end user.

2) Defining the action of a HTML form as the URL for Boleto Service. The form fields would contain the parameters for the call. In this case, a hidden frame can be used to keep the end user in the current web site, instead of redirecting him/her to www.boletobancario.com.

Notice:

For increased security, you can also add IP Address Restrictions. One or more addresses can be registered as the only ones that should be able to invoke the web service for your account.

In case you added at least one restriction, invocations from IP addresses that are not registered will get an error as response. The wildcard character (*) can also be used.

Examples: 201.142.17.* ; 189.23.*.*

The web service URL is:

<https://www.boletobancario.com/boletoservice/servlet/BoletoService>

3 - PARAMETERS

Notice:

The required parameters *agencia*, *cedente*, *carteira* and *nossoNumero* have different size restrictions depending on the bank, for a comprehensive list, please check:

<http://www.boletobancario.com/docs/banks.html>

3.1 - Required Parameters

clientId	Your ID in our system, which is the CNPJ. Use only digits.
clientPass	Your password for Boleto Service (set in the website admin area).
numeroBanco	The bank code. See the above URL.
agencia	The number of your bank agency.
cedente	The number of the <i>cedente</i> . Attention, this is usually different from the banking account number. Check with your account manager.
carteira	Defines the <i>carteira</i> . This is a payment model. Check the options with your account manager.
nossoNumero	Defines the control number for each document. This is the number that allows you to uniquely identify each boleto.
valor	Defines the amount to be paid. Examples of valid values are: 1.230,72 - 540,1 - 690 - 12425,9 (Note that comma is used for decimals)
vencimento	Defines the due date of the <i>boleto bancário</i> . The format must be DD/MM/YYYY.

3.2 - Recommended Parameters

nomeSac	Defines the name of the Sacado. The Sacado is the person who will be paying the boleto, or the responsible for the payment - normally the end customer.
cepSac	Defines the CEP (zip code) of the Sacado.
cidadeSac	Defines the City of the Sacado.
enderecoSac	Defines the Address of the Sacado. Inform: Street, Number - Complement.
estadoSac	Defines the State of the Sacado.
nomeCedente	Defines the Name of the Cedente. The Cedente is the legal entity that will receive the payment of the Boleto (Your company branch in Brazil).
localPagamento	Defines the field "Local de Pagamento". Normally is defined as "Pagável em qualquer agência bancária", which means that the boleto can be paid in any bank agency.

3.3 - Optional Parameters

format	Defines the output format for the boleto. It can be "html" or "pdf". Default is html.
numDoc	Defines the field "Número do Documento". For most banks and carteiras this field is informative; it is not used in any calculation.
sacadorAvalista	Defines the field "Sacador/Avalista". Usually it is not filled.

mensagem1	Defines the line 1 of the message field.
mensagem2	Defines the line 2 of the message field.
mensagem3	Defines the line 3 of the message field.
mensagem4	Defines the line 4 of the message field.
mensagem5	Defines the line 5 of the message field.
mensagem6	Defines the line 6 of the message field.
mensagem7	Defines the line 7 of the message field.
mensagem8	Defines the line 8 of the message field.
mensagem9	Defines the line 9 of the message field.
aceite	Defines the field "Aceite".
especieDoc	Defines the field "Espécie Doc".
desconto	Defines the field "Desconto/Abatimento".
multa	Defines the field "Mora/Multa".
outrasDeduocoes	Defines the field "Outras Deduções".
outrosAcrecimos	Defines the field "Outros Acréscimos".
valorCobrado	Defines the field "Valor Cobrado".
cpfCnpjSac	Defines the document of the Sacado (CPF or CNPJ).
cpfCnpjCedente	Defines the document of the Cedente (CPF or CNPJ). If informed, it is displayed beside the name of the Cedente.
usoBanco	Defines the field "Uso do Banco".
pagamentoMinimo	Defines the minimum payment. If informed, the boleto will have no due date. The due date field will be "Contra Apresentação".
dataProcessamento	Defines the field "Data do Processamento". Default is the current date.
infoAdicionais	Additional information. Free text that, if informed, will be displayed below the data of the Sacado.
customContent	Parameter that is used for the customization of the top section of the boleto. For more information, see: http://www.boletobancario.com/docs/customization/custom.html
logoBanco	Defines the Bank logo image. Accepts either simple paths (e.g. bradesco.png) or http links. For PDF format only http links are accepted.

3.4 - Proprietary Parameters

numConvenio	Required parameter for Banco do Brasil. Número do Convênio.
varCarteira	Optional parameter for Banco do Brasil. Variação da Carteira.
categoria	Required parameter for Banco Regional de Brasília (BRB).
modalidade	Required parameter for Nossa Caixa and Credisan, optional for Sicredi.
codCliente	Required parameter for carteira CSB of HSBC and Cobrança Sem Registro of Safra. Código do Cliente.
codCedenteBarra	Required parameter for the carteira Especial of Unibanco. Código do Cedente no Código de Barras.
ios	Optional parameter for Santander. Default value = 0.
cip	Required parameter for Bradesco.

4 - SERVICE RESPONSE

The web service returns the complete boleto as HTML or PDF. There is no additional file.

In case there is no error, the HTTP status is 200 (OK). In case of any error, the HTTP status will be 400 (Bad Request) and the error description will be in the response body.

5 - TESTING

Tests are allowed at any time. We would like to emphasize that, as a requirement of the banks, every new account must be "homologated" by the bank before going into production.

To perform testes, just add the "test" parameter to the request with "true" as its value. Boletos generated in test mode will not use transaction credits and can be generated even if there are no credits.

There are two restrictions for test boletos: the due date (data de vencimento) must be in the past and the field pagamentoMinimo is not allowed. If these restrictions are not met, an error is returned.

Notice

We do not allow stress and performance tests in our servers. For the generation of test boletos, a 2 seconds interval must be observed.

6 - BANKS AND CARTEIRAS

The banks and *carteiras* that are supported are listed in:

<http://www.boletobancario.com/docs/banks.html> (in portuguese)

In case you need to generate boletos for a bank or carteira that is not listed in the above URL, please contact us and we will develop it for you, at no additional cost.

7 - CONTACT

If you have any questions, please check our section of frequently asked questions (in portuguese):

<http://www.boletobancario.com/home/faq>

If you do not find the answer you are looking for in the above link, please contact us at:

suporte@boletobancario.com