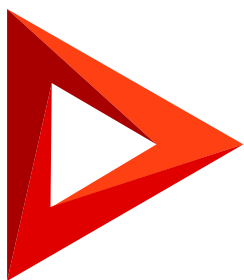


# Emails

## Sending emails

Version 8.0



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The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

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# Sending emails



**Attention.** Creatio version 7.16 and up supports sending emails using the explicit account credentials

In Creatio, you can send emails using both customer and developer means. By developer means, you can send emails:

- Using an existing account
- Using the explicit account credentials

Sending an email is done by using a business process. To set up a business process, use the [\[ Auto-generated page \]](#) and [\[ Script task \]](#) elements.

## Sending an email from an existing account algorithm

To send an email from an existing account:

1. Create a business process. The process must include [\[ Auto-generated page \]](#) and [\[ Script task \]](#) required elements.
2. Create a config file for the email.
3. Add an attachment (optional).
4. Run the business process to send the email.

## Creating a config file for the email

To create a configuration file of the email, use the `Terrasoft.Mail.Sender.EmailMessage` class. Populate the parameters below to ensure the validity of your email:

### Creating a configuration file of the email

```
var message = new Terrasoft.Mail.Sender.EmailMessage {
    // Sender email address.
    From = "Sender@email.com",
    // Recipient email addresses.
    To = List<string>{ "first@recepient.co", "second@recepient.co"},
    // Copy optional
    Cc = List<string>{ "first@recepient.co", "second@recepient.co"},
    // Hidden copy optional
    Bcc = List<string>{ "first@recepient.co", "second@recepient.co"},
    // The subject of the email.
    Subject = "Message subject",
```

```
// Email body.
Body = "Body",
// Priority, Terrasoft.Mail.Sender.EmailPriority enumeration values.
Priority = Terrasoft.Mail.Sender.EmailPriority.Normal
};
```

## Adding attachments optional

You can add attachments to your email. To do this, populate the [ *Attachments* ] field. Attachments are essentially a list of `Terrasoft.Mail.Sender.EmailAttachments` instances.

### Adding attachments to email

```
// Creating an attachment.
var attachment = new Terrasoft.Mail.Sender.EmailAttachment {
    // Attachment ID.
    Id = new Guid("844F0837-EAA0-4F40-B965-71F5DB9EAE6E"),
    // Attachment name.
    Name = "attachName.txt",
    // Data.
    Data = byteData
};
// Adding the attachment to the message.
message.Attachments.Add(attachment);
```

## Sending the email

To send the email, use the `Send` method of the `EmailSender` class with the email parameters and the connection configuration file.

### Sending the email

```
// Sending the configured email message. To ignore access permissions when sending the message.
// set the ignoreRight parameter to "true".
emailSender.Send(message, ignoreRights);
```

## Sending an email using the explicit account credentials algorithm

1. Create a business process. The process must include [ *Auto-generated page* ] and [ *Script task* ] required elements.
2. Create an instance of the `EmailClientFactory` class.

3. Create an instance of the `EmailSender` class.
4. Create a config file for connecting to the mailbox.
5. Create a config file of the email.
6. Add an attachment (if applicable).
7. Run the business process to send the email.

## Creating an instance of the `EmailClientFactory` class

To create an instance of the `EmailClientFactory` class, make sure you have `UserConnection` established.

### Creating an instance of the `EmailClientFactory` class

```
var emailClientFactory = ClassFactory.Get<IEmailClientFactory>(
    new ConstructorArgument("userConnection", UserConnection));
```

## Creating an instance of the `EmailSender` class

To create an instance of the `EmailSender` class, pass the created `EmailClientFactory` instance and the `UserConnection` to the constructor.

### Creating an instance of the `EmailSender` class

```
var emailSender = ClassFactory.Get<IEmailSender>(
    new ConstructorArgument("emailClientFactory", emailClientFactory),
    new ConstructorArgument("userConnection", UserConnection));
```

## Creating a config file for connecting to the mailbox

To create a config file for connecting to the mailbox, use the `EmailContract.DTO.Credentials` class. Populate the following parameters:

### Creating a config file for connecting to the mailbox

```
var credentialConfig = new EmailContract.DTO.Credentials {
    // Outbound mailserver IP address or domain
    ServiceUrl = "mail service host",
    // Can be left empty for some protocols
    Port = "Port",
    // Use SSL to encrypt the connection.
    UseSsl = false,
    // Mailbox user name
    UserName = "EmailUserName",
```

```
// Mailbox user password
Password = "UserPassword",
// Mail server type (Exchange or IMAP/SMTP)
ServerTypeId = EmailDomain.IntegrationConsts.ExchangeMailServerTypeId ||
    EmailDomain.IntegrationConsts.ImapMailServerTypeId,
// Sender mailbox
SenderEmailAddress = "sender@test.com"
};
```

**Attention.** The `ServiceUrl`, `UserName`, `Password`, `ServerTypeId`, `SenderMailbox` parameters are required.

## Creating a config file of the email

To create a configuration file of the email that you are sending, use the `EmailContract.DTO.Email` class. Populate the parameters shown below to ensure the validity of your email:

### Creating a config file of the email

```
var message = new EmailContract.DTO.Email {
    // Sender email address.
    Sender = "Sender@email.com",
    // Recipient email addresses.
    Receipients = List<string>{ "first@recepient.co", "second@recepient.co"},
    // The subject of the email.
    Subject = "Message subject",
    // Email body.
    Body = "Body",
    // Priority, EmailContract.EmailImportance enumeration values.
    Importance = EmailContract.EmailImportance.High
};
```

## Adding attachments (if applicable)

You can add attachments to your email. To do this, populate the `[ Attachments ]` field. Attachments are essentially a list of `EmailContract.DTO.Attachment` instances.

### Adding attachments

```
// Creating an attachment.
var attachment = new EmailContract.DTO.Attachment {
    Name = "FileName",
    Id = "844F0837-EAA0-4F40-B965-71F5DB9EAE6E"
};
// Setting data for the attachment
```

```
attachment.SetData(byteData);
// Adding the attachment to the message.
message.Attachments.Add(attachment);
```

## Sending the email

To send the email, use the `Send` method of the `EmailSender` class with the passed arguments of the email and the connection configuration file.

### Sending the email

```
// Sending a configured email message with connection parameters
// for the mailbox of the sender To ignore access permissions when sending the message.
// set the ignoreRight parameter to "true".
emailSender.Send(message, credentialConfig, ignoreRights);
```

# Send email from an existing account



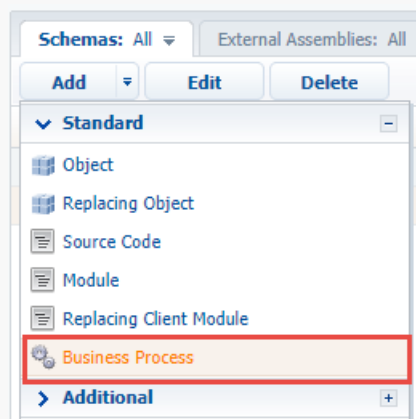
Advanced

**Example.** Create a business process that will open a page with email parameters fields to send an email using an existing account.

## Example implementation algorithm

### 1. Create a business process

In the [ *Configuration* ] section execute the [ *Add* ] → [ *Business process* ] action.





In the opened Process Designer, set the following values for the properties in the setup area:

- [ *Title* ] — "Sending emails from existing account".
- [ *Code* ] — "UsrSendEmailFromExistingUserProcess".

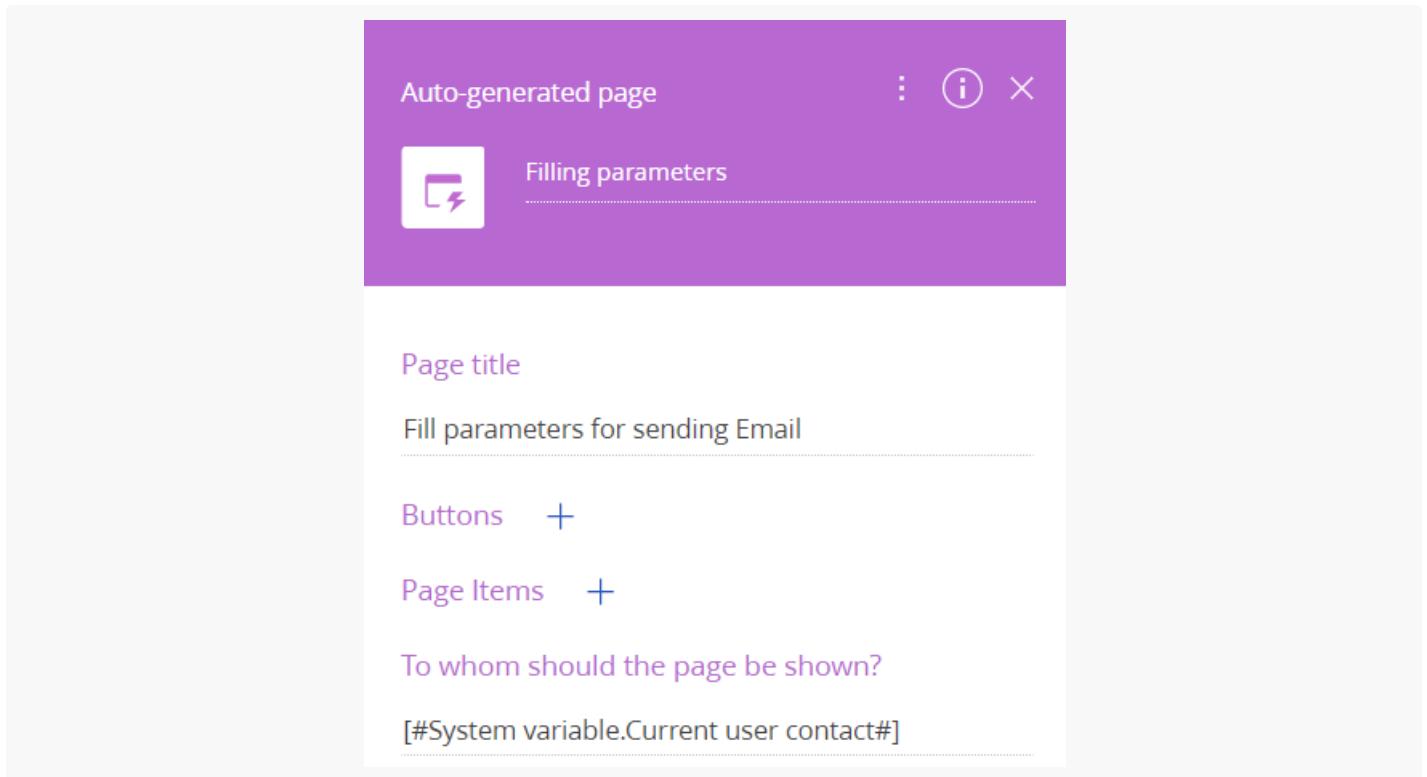
The screenshot displays the Process Designer interface for a process titled "Sending emails from existing account". The main workspace shows a flow starting with a start event (green circle), followed by a task named "Filling parameters" (purple square with a lightning bolt icon), then a task named "Send Email" (blue square with an envelope icon), and finally an end event (red circle). A toolbar at the top includes buttons for "SAVE", "RUN", "CANCEL", and "ACTIONS", along with search, settings, and help icons. On the right, a configuration panel is open, showing the following properties:

- Code\***: UsrSendEmailFromExistingUserProcess
- Version**: 0
- Tag**: Business Process
- Process description**: (empty field)
- Package\***: sdkSendEmailFromExistingAccount
- Maximum Number of Repetitions**: 100
- Process instance caption**: [#Process name#]

## 2. Add the [ *Auto-generated page* ] element

The [ *Auto-generated page* ] element enables the process to open an arbitrary page created by the user. For this element, add "Filling parameters" as a caption and set the following properties:

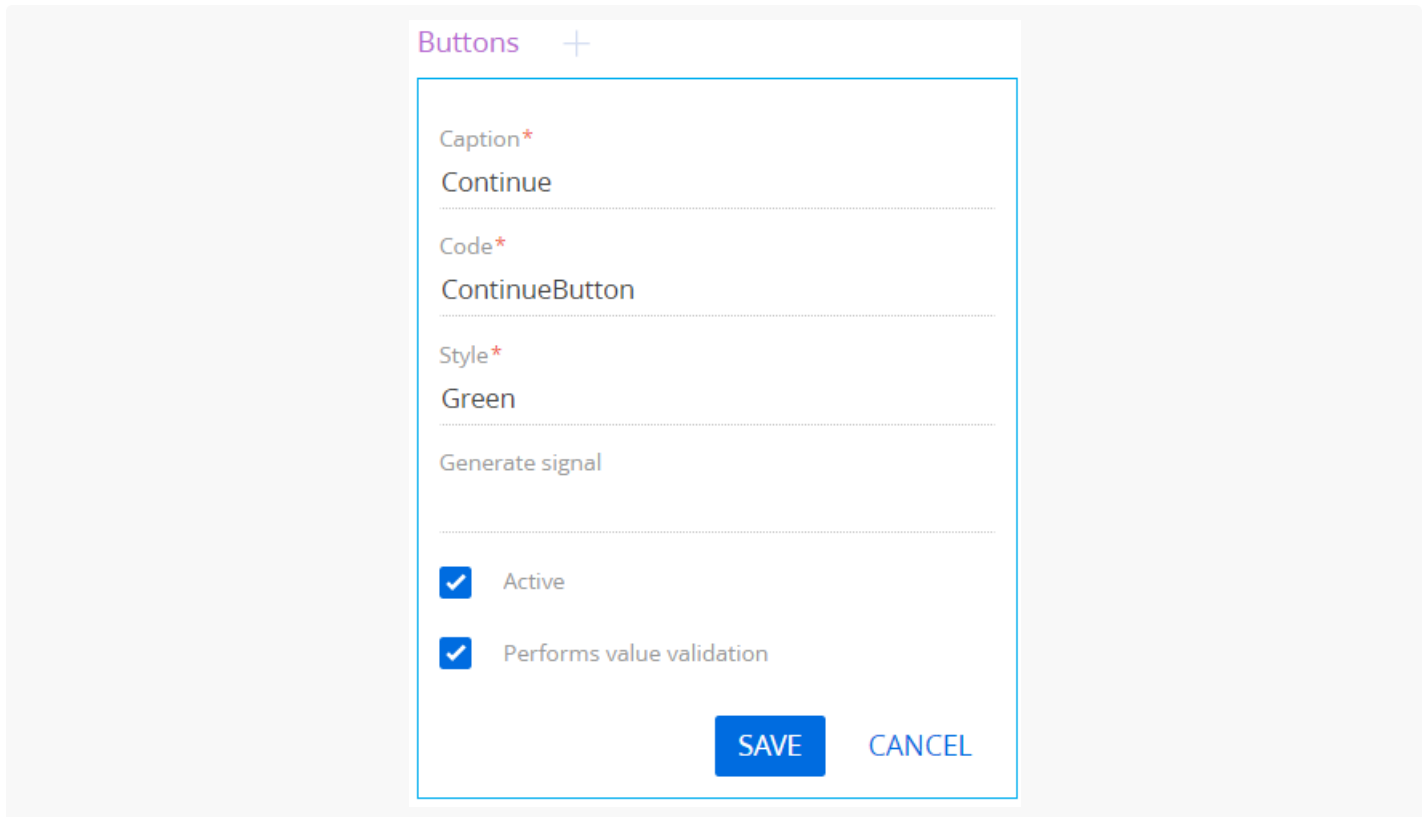
- [ *Page title* ] — "Fill parameters for sending Email".
- [ *To whom should the page be shown?* ] - select "Formula" and specify [ *#System variable.Current user contact#* ].



### 3. Add a button to the page

To add a [ *Continue* ] button in the [ *Buttons* ] block, click + and specify the following parameters:

- [ *Caption* ] — "Continue".
- [ *Code* ] - "ContinueButton".
- [ *Style* ] — select "Green".
- Set the [ *Active* ] checkbox.
- Set the [ *Performs value validation* ] checkbox.

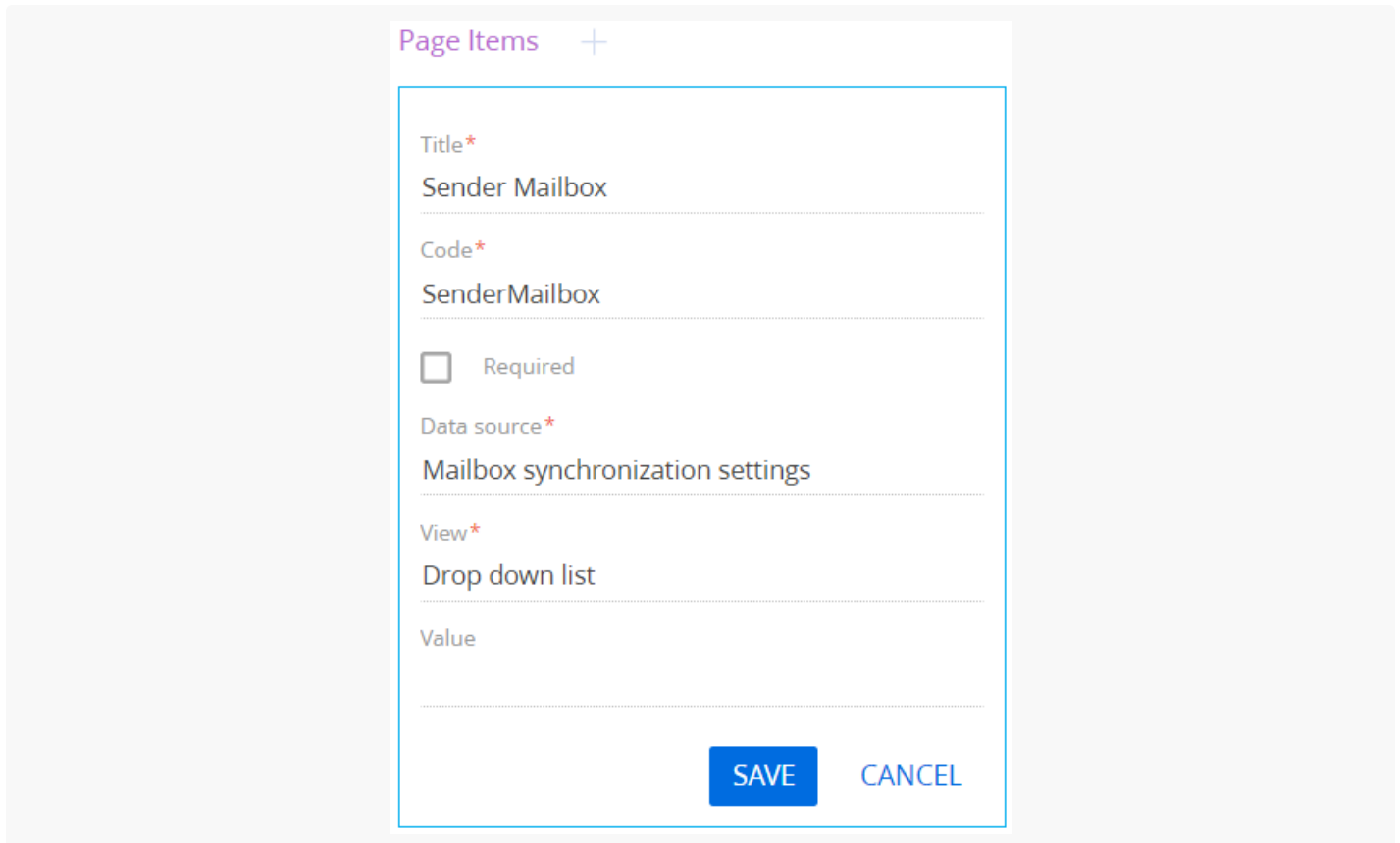


Click [ Save ].

#### 4. Add elements to the page.

To add an element that will contain the email sender's mailbox, click **+** in the [ *Page Items* ] block, select the [ *Selection field* ] type and specify the following parameters:

- [ *Title* ] - "Sender Mailbox".
- [ *Code* ] - "SenderMailbox".
- [ *Data source* ] — select "Mailbox synchronization settings".
- [ *View* ] — select "Drop down list".



Page Items +

Title\*  
Sender Mailbox

Code\*  
SenderMailbox

Required

Data source\*  
Mailbox synchronization settings

View\*  
Drop down list

Value

SAVE CANCEL

Click [ Save ].

To add an element that will contain the email recipient's mailbox, click + in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] — "Recipient (many recipients separated by semicolon ";")".
- [ *Code* ] - "Recipient".
- Set the [ *Required* ] checkbox.

A configuration dialog box with a light blue border. It contains the following fields and options:

- Title\***: A text input field with the placeholder text "Recipient (many recipients separated by se...".
- Code\***: A text input field with the placeholder text "Recipient".
- Is multiline**: An unchecked checkbox.
- Required**: A checked checkbox.
- Value**: A text input field that is currently empty.

At the bottom right of the dialog are two buttons: a blue **SAVE** button and a **CANCEL** button.

Click [ Save ].

To add an element that will contain the subject of the email, click + in the [ Page Items ] block, select the [ Text field ] type and specify the following parameters:

- [ Title ] - "Subject".
- [ Code ] - "Subject".
- Set the [ Required ] checkbox.

A configuration dialog box with a light blue border. It contains the following fields and options:

- Title\***: A text input field with the placeholder text "Subject".
- Code\***: A text input field with the placeholder text "Subject".
- Is multiline**: An unchecked checkbox.
- Required**: A checked checkbox.
- Value**: A text input field that is currently empty.

At the bottom right of the dialog are two buttons: a blue **SAVE** button and a **CANCEL** button.

Click [ Save ].

To add an element that will contain the body of the email, click + in the [ Page Items ] block, select the [ Text field ] type and specify the following parameters:

- [ *Title* ] - "Body".
- [ *Code* ] - "Body".
- Set the [ *Required* ] checkbox.

Click [ Save ].

## 5. Add a [ *Script task* ] element

Set the value of the [ *Title* ] property of the [ *Script task* ] element to "Send Email" The element must execute the following program code:

### Script Task code

```
var mailboxSettingId = Get<Guid>("SenderMailbox");
var emailClientFactory = ClassFactory.Get<IEmailClientFactory>(
    new ConstructorArgument("userConnection", UserConnection));
var emailSender = ClassFactory.Get<IEmailSender>(
    new ConstructorArgument("emailClientFactory", emailClientFactory),
    new ConstructorArgument("userConnection", UserConnection));

var entity = UserConnection.EntitySchemaManager.GetInstanceByName("MailboxSyncSettings").CreateEntity(
    if (entity.FetchFromDB("Id", mailboxSettingId, new List<string> { "SenderEmailAddress" }))) {
    var senderEmailAddress = entity.GetTypedColumnValue<string>("SenderEmailAddress");
    var message = new Terrasoft.Mail.Sender.EmailMessage {
        From = senderEmailAddress,
        To = Get<string>("Recipient").Split(';').ToList<string>(),
        // Cc = List<string>{ "first@receptient.co", "second@receptient.co"},
        // Bcc = List<string>{ "first@receptient.co", "second@receptient.co"},
        Subject = Get<string>("Subject"),
```

```

    Body = Get<string>("Body"),
    Priority = Terrasoft.Mail.Sender.EmailPriority.Normal
};
var attachment = new Terrasoft.Mail.Sender.EmailAttachment {
    Id = Guid.NewGuid(),
    Name = "test.txt",
    Data = Encoding.ASCII.GetBytes("some test text")
};
message.Attachments.Add(attachment);
emailSender.Send(message);
}

return true;

```

## 6 Add parameters

To add a business process parameter that will contain the email recipient's mailbox, execute the [ *Add parameters* ] → [ *Text* ] action in the [ *Parameters* ] tab of the setup area and specify the following parameter properties:

- [ *Title* ] - "Recipient".
- [ *Code* ] - "Recipient".
- [ *Value* ] - click ⚡ → [ *Process parameter* ] and select the "Recipient (many recipients separated by semicolon ";")" process element.

The screenshot shows a dialog box for adding a parameter. The fields are as follows:

- Title\***: Recipient
- Code\***: Recipient
- Data type\***: Text (500 characters)
- Value**: [#Filling parameters.Recipient (many recipi...

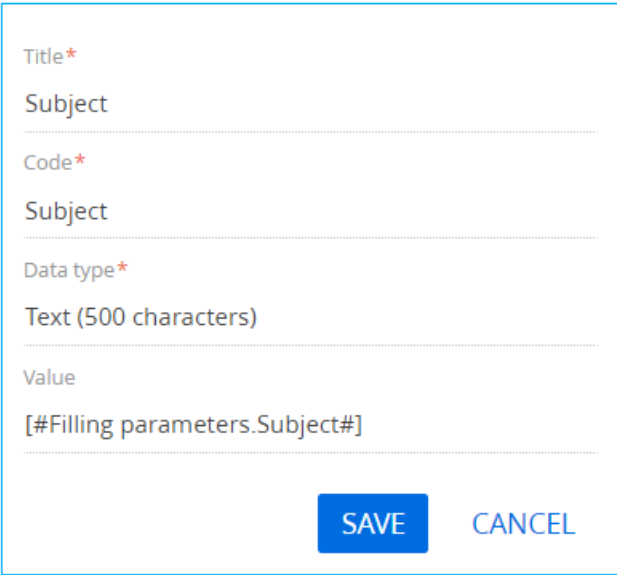
At the bottom of the dialog, there are two buttons: **SAVE** and **CANCEL**.

Click [ *Save* ].

To add a business process parameter that will contain the subject of the email, execute the [ *Add parameters* ] → [ *Text* ] action in the [ *Parameters* ] tab of the setup area and specify the following parameter properties:

- [ *Title* ] - "Subject".

- [ *Code* ] - “Subject”.
- [ *Value* ] - click ⚡ -> [ *Process parameter* ] and select the “Subject” process element.



A screenshot of a configuration dialog box with a light blue border. It contains the following fields and values:

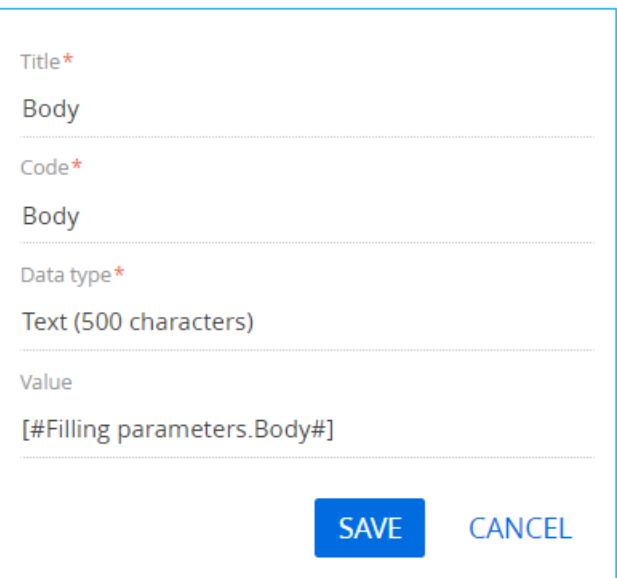
- Title\*: Subject
- Code\*: Subject
- Data type\*: Text (500 characters)
- Value: [#Filling parameters.Subject#]

At the bottom right, there are two buttons: a blue 'SAVE' button and a 'CANCEL' button.

Click [ *Save* ].

To add a business process parameter that will contain the body of the email, execute the [ *Add parameters* ] —> [ *Text* ] action in the [ *Parameters* ] tab of the setup area and specify the following parameter properties:

- [ *Title* ] - “Body”.
- [ *Code* ] - “Body”.
- [ *Value* ] - click ⚡ -> [ *Process parameter* ] and select the “Body” process element.



A screenshot of a configuration dialog box with a light blue border. It contains the following fields and values:

- Title\*: Body
- Code\*: Body
- Data type\*: Text (500 characters)
- Value: [#Filling parameters.Body#]

At the bottom right, there are two buttons: a blue 'SAVE' button and a 'CANCEL' button.

Click [ *Save* ].



To add a business process parameter that will contain the email sender's mailbox, execute the [ *Add parameters* ] → [ *Other* ] → [ *Unique identifier* ] action in the [ *Parameters* ] tab of the setup area and specify the following parameter properties:

- [ *Title* ] - "Sender Mailbox".
- [ *Code* ] - "SenderMailbox".
- [ *Value* ] - click ⚡ → [ *Process parameter* ] and select the "Sender Mailbox" process element.

The screenshot shows a configuration dialog box with the following fields and values:

- Title\***: Sender Mailbox
- Code\***: SenderMailbox
- Data type\***: Unique identifier
- Value**: [#Filling parameters.Sender Mailbox#]

At the bottom right of the dialog, there are two buttons: a blue **SAVE** button and a **CANCEL** link.

Click [ *Save* ].

## 7. Add methods

To add business process methods, click + in the [ *Usings* ] block in the [ *Methods* ] tab of the process designer setup area, and specify Terrasoft.Configuration value in the [ *Name Space* ] field. Click [ *Save* ].

Using the same method, add the following namespaces:

- Terrasoft.Mail.Sender
- Terrasoft.Core.Factories
- Terrasoft.Core
- Terrasoft.Mail
- IntegrationApi
- System.Linq

Save all changes in the Process Designer.

## 8. Run the business process

**Attention.** To run the business process successfully, make sure that a user account for the email sender is available in the Creatio application. Learn more about adding a user account in the “[Integration with the MS Exchange service](#)” block of articles.

After the business process is run using the [ *Run* ] button, a page containing fields for specifying email parameters will open.

Fill parameters for sending Email

**CONTINUE** CLOSE

Sender Mailbox

Recipient (many recipients separated by semicolon ";")\*

Subject\*

Body\*

To send an email from the corresponding email account, click [ *Continue* ].

## Send email using the explicit account credentials

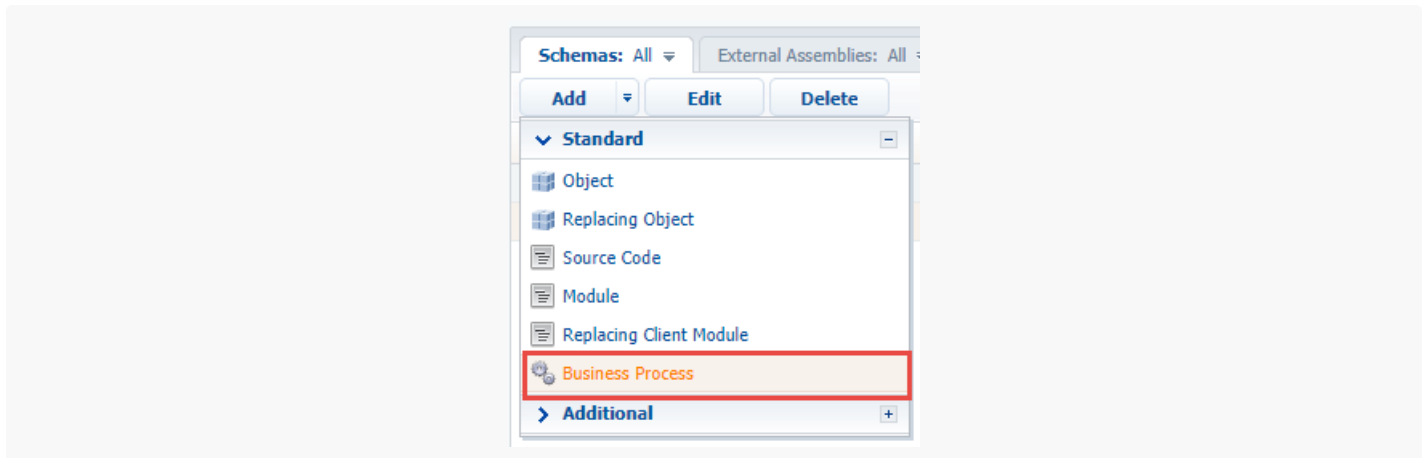
 **Advanced**

**Example.** Create a business process that will open a page containing fields mapped to the email parameters to send an email using the explicit account credentials.

### Example implementation algorithm

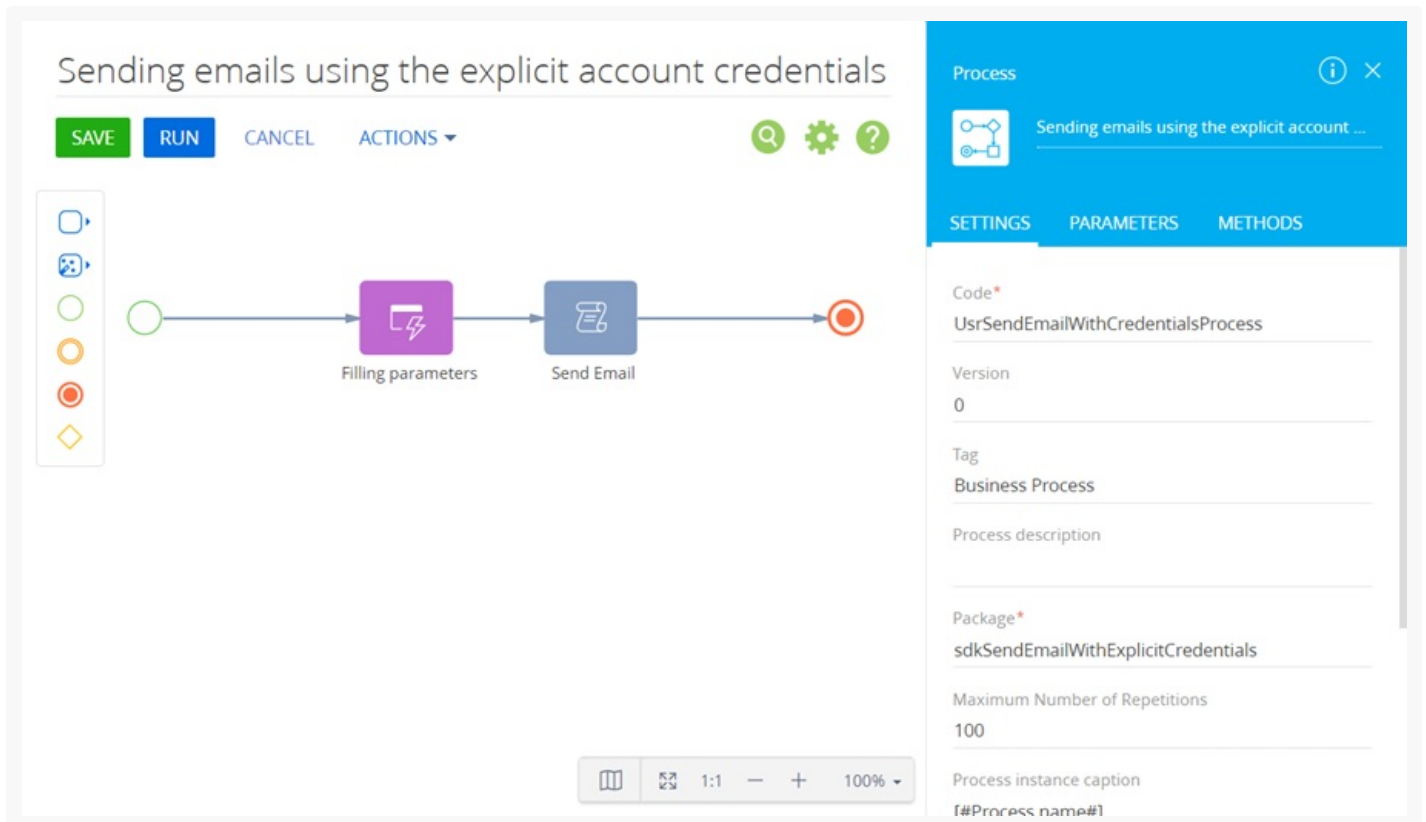
#### 1. Create a business process

In the [ *Configuration* ] section execute the [ *Add* ] → [ *Business process* ] action.



In the opened process designer set the following values for the properties in the setup area:

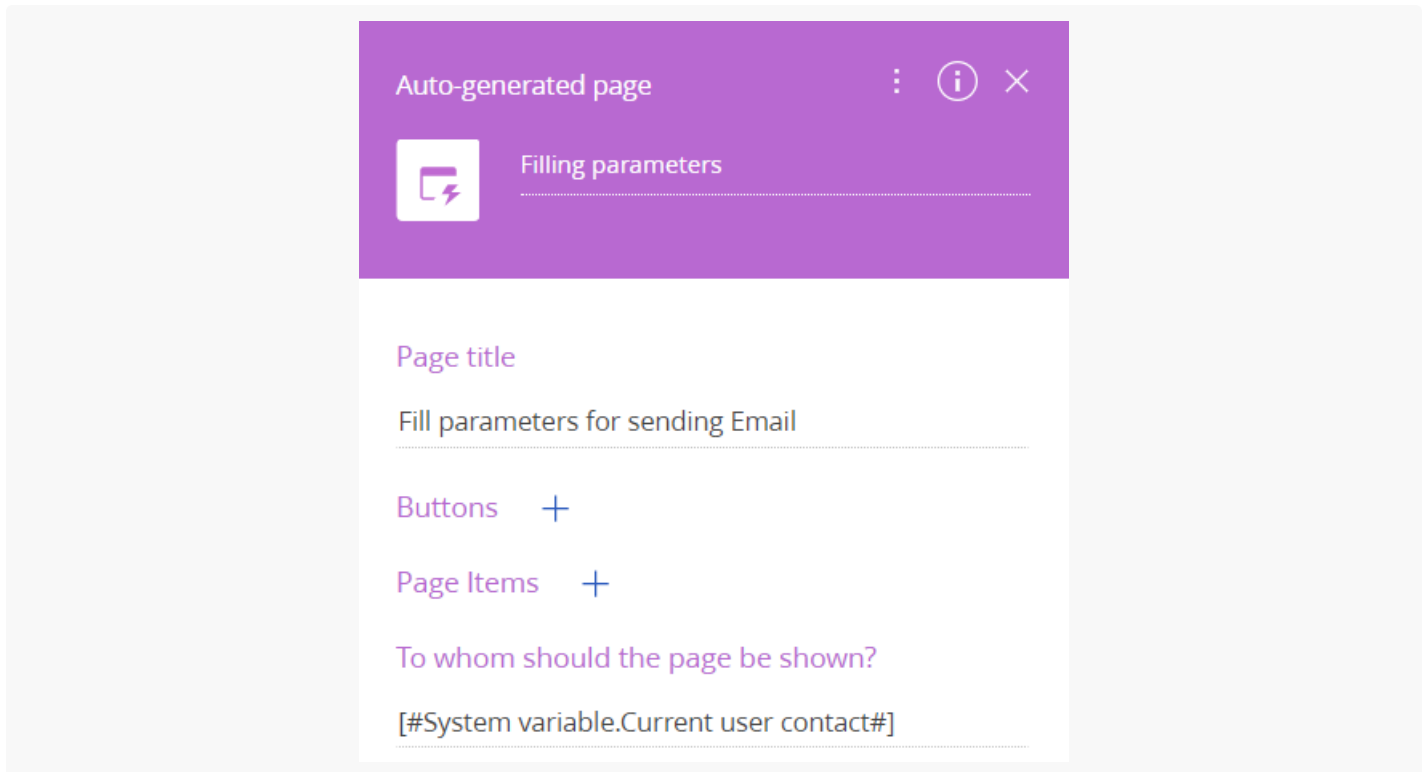
- [ *Title* ] — "Sending emails using the explicit account credential".
- [ *Code* ] - "UsrSendEmailWithCredentialsProcess".



## 2. Add the [ *Auto-generated page* ] element

The [ *Auto-generated page* ] element enables the process to open an arbitrary page created by the user. For this element, add [ *Filling parameters* ] as a caption and set the following properties:

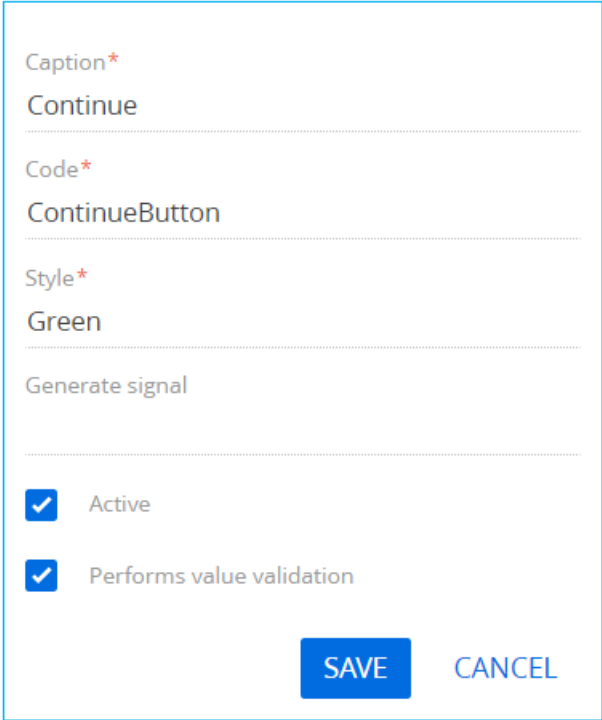
- [ *Page title* ] — "Fill parameters for sending Email".
- [ *To whom should the page be shown?* ] - select "Formula" and specify [ *#System variable.Current user contact#* ].



### 3. Add a button to the page

To add a [ *Continue* ] button, click + in the [ *Buttons* ] block and specify the following parameters:

- [ *Caption* ] — "Continue".
- [ *Code* ] - "ContinueButton".
- [ *Style* ] — select "Green".
- Set the [ *Active* ] checkbox.
- Set the [ *Performs value validation* ] checkbox.



Configuration dialog for a button:

- Field: Caption\*  
Value: Continue
- Field: Code\*  
Value: ContinueButton
- Field: Style\*  
Value: Green
- Field: Generate signal  
Value:
- Field: Active  
Value:
- Field: Performs value validation  
Value:

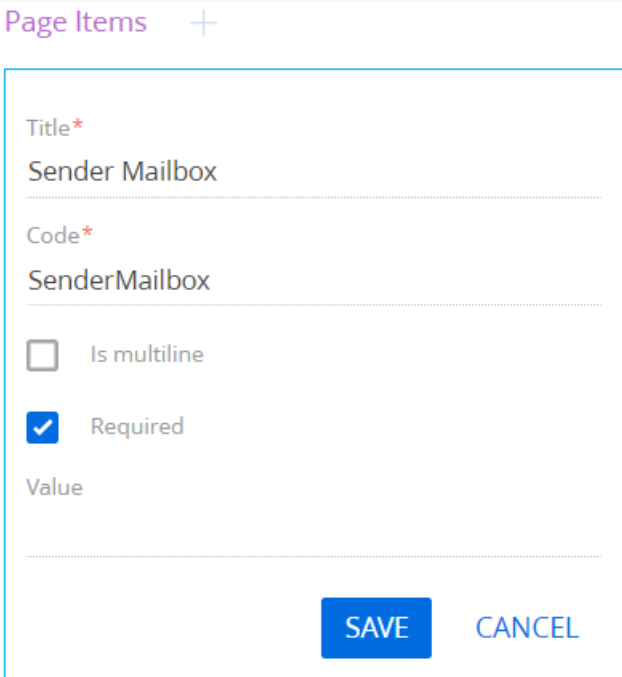
Buttons: SAVE, CANCEL

Click [ Save ].

#### 4. Add elements to the page.

To add an element that will contain the email sender's mailbox, click **+** in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] - "Sender Mailbox".
- [ *Code* ] - "SenderMailbox".
- Set the [ *Required* ] checkbox.



Page Items +

Title\*  
Sender Mailbox

Code\*  
SenderMailbox

Is multiline

Required

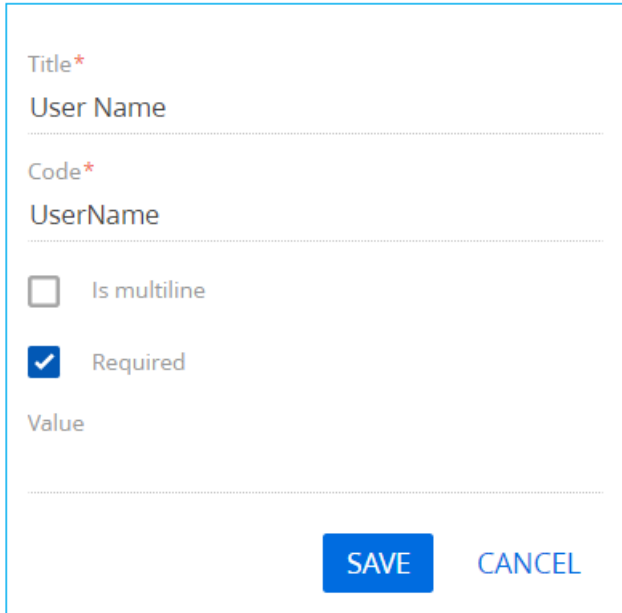
Value

SAVE CANCEL

Click [ Save ].

To add an element that will contain the name of the email sender, click + in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] - "User Name".
- [ *Code* ] - "UserName".
- Set the [ *Required* ] checkbox.



Title\*  
User Name

Code\*  
UserName

Is multiline

Required

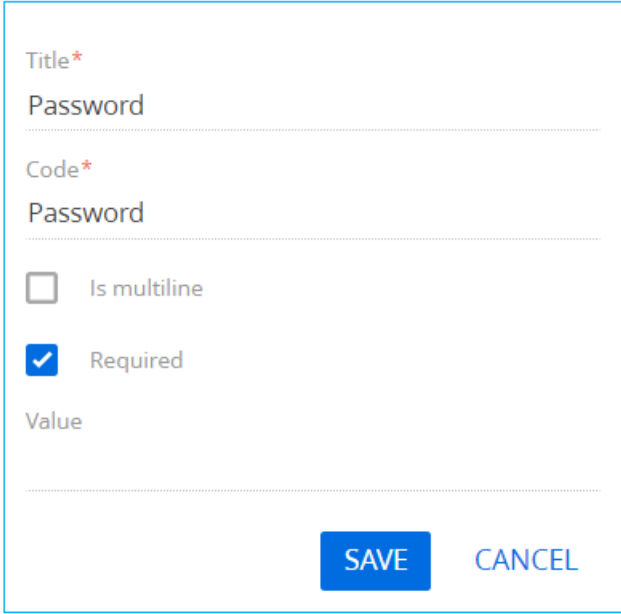
Value

SAVE CANCEL

Click [ Save ].

To add an element that will contain the password for email sender's mailbox, click **+** in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] - "Password".
- [ *Code* ] - "Password".
- Set the [ *Required* ] checkbox.



The screenshot shows a configuration dialog for a text field. The dialog has a light gray background and a white content area. It contains two text input fields, both with "Password" entered. The first field is labeled "Title\*" and the second is labeled "Code\*". Below the fields are two checkboxes: "Is multiline" (unchecked) and "Required" (checked). At the bottom, there is a "Value" label and a dotted line. At the bottom right, there are two buttons: "SAVE" (blue) and "CANCEL" (light blue).

Click [ *Save* ].

To add an element that will contain the mail server address of the email sender, click **+** in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] - "Service Url".
- [ *Code* ] - "ServiceUrl".
- Set the [ *Required* ] checkbox.

Title\*

Service Url

---

Code\*

ServiceUrl

---

Is multiline

Required

Value

---

SAVE CANCEL

Click [ Save ].

To add an element that will contain the port number of the email sender's mail provider, click + in the [ Page Items ] block, select the [ Integer ] type and specify the following parameters:

- [ Title ] - "Port".
- [ Code ] - "Port".

Title\*

Port

---

Code\*

Port

---

Required

Value

---

SAVE CANCEL

Click [ Save ].

To add an element that will contain the cryptographic protocol to ensure a secure connection, click + in the [ Page Items ] block, select the [ Boolean ] type and specify the following parameters:

- [ Title ] - "Use Ssl".
- [ Code ] - "UseSsl".



Title\*

Use Ssl

Code\*

UseSsl

Value

SAVE CANCEL

Click [ Save ].

To add an element that will contain the email recipient's mailbox, click + in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] — "Recipient (many recipients separated by semicolon ";");".
- [ *Code* ] - "Recipient".
- Set the [ *Required* ] checkbox.

Title\*

Recipient (many recipients separated by se...

Code\*

Recipient

Is multiline

Required

Value

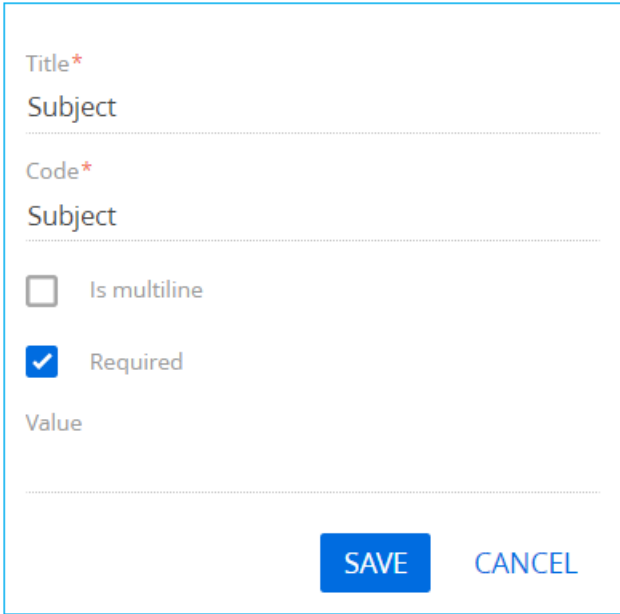
SAVE CANCEL

Click [ Save ].

To add an element that will contain the subject of the email, click + in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] - "Subject".
- [ *Code* ] - "Subject".

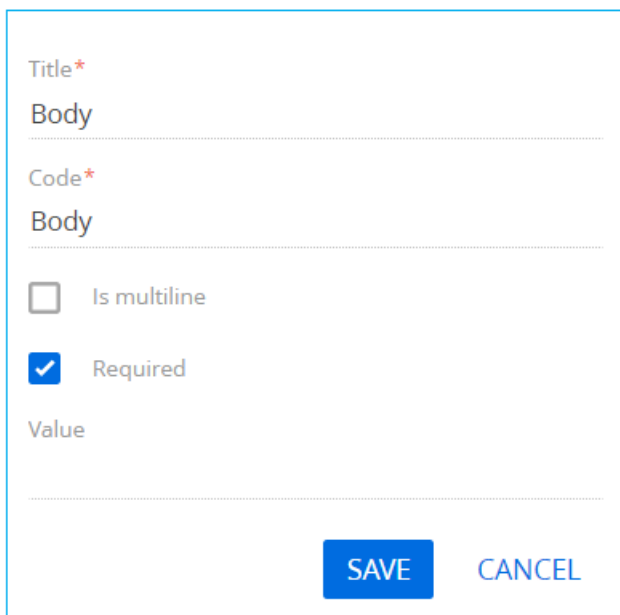
- Set the [ *Required* ] checkbox.



Click [ *Save* ].

To add an element that will contain the body of the email, click + in the [ *Page Items* ] block, select the [ *Text field* ] type and specify the following parameters:

- [ *Title* ] - “Body”.
- [ *Code* ] - “Body”.
- Set the [ *Required* ] checkbox.



Click [ *Save* ].

To add an element that will contain the type of the email sender's provider, click **+** in the [ *Page Items* ] block, select the [ *Selection field* ] type and specify the following parameters:

- [ *Title* ] — "Type of mail server".
- [ *Code* ] - "ServerTypeId".
- Set the [ *Required* ] checkbox.
- [ *Data source* ] — select "Mail service provider type".
- [ *View* ] — select "Drop down list".

The screenshot shows a configuration dialog for a Selection field. The fields are as follows:

- Title\***: Type of mail server
- Code\***: ServerTypeId
- Required**:
- Data source\***: Mail service provider type
- View\***: Drop down list
- Value**: (empty)

Buttons: SAVE, CANCEL

Click [ *Save* ].

## 5. Add a [ *ScriptTask* ] element

Set the value of the [ *Title* ] property of the [ *Script task* ] element to "Send Email". The element must execute the following program code:

### Script Task code

```
var emailClientFactory = ClassFactory.Get<EmailClientFactory>(new ConstructorArgument("userConne
var credentialConfig = new EmailContract.DTO.Credentials {
    ServiceUrl = Get<string>("ServiceUrl"),
    Port = Get<int>("Port"),
    UseSsl = Get<bool>("UseSsl"),
    UserName = Get<string>("UserName"),
    Password = Get<string>("Password"),
```

```

    ServerTypeId = Get<Guid>("ServerTypeId"),
    SenderEmailAddress = Get<string>("SenderMailbox")
};
var emailSender = ClassFactory.Get<IEmailSender>(new ConstructorArgument("emailClientFactory", e
    new ConstructorArgument("userConnection", UserConnection));
var message = new EmailContract.DTO.Email {
    Sender = credentialConfig.SenderEmailAddress,
    Receipients = Get<string>("Recipient").Split(';').ToList<string>(),
    Subject = Get<string>("Subject"),
    Body = Get<string>("Body"),
    Importance = EmailContract.EmailImportance.Normal,
    IsHtmlBody = true,
    // CopyReceipients = new List<string> { "user@mail.service" },
    // BlindCopyReceipients = new List<string> { "user@mail.service" }
};
var attachment = new EmailContract.DTO.Attachment {
    Id = Guid.NewGuid().ToString(),
    Name = "test.txt",
};
byte[] data = Encoding.ASCII.GetBytes("some test text");
attachment.SetData(data);
message.Attachments.Add(attachment);
emailSender.Send(message, credentialConfig);
return true;

```

## 6 Add parameters

To add a business process parameter that will contain the address of the sender's mail server, execute the [ *Add parameters* ] → [ *Text* ] action in the [ *Parameters* ] tab of the setup area and specify the following parameter properties:

- [ *Title* ] - "Service Url".
- [ *Code* ] - "ServiceUrl".
- [ *Value* ] - click ⚡ → [ *Process parameter* ] and select the "Service Url" process element.

Title\*

Service Url

Code\*

ServiceUrl

Data type\*

Text (500 characters)

Value

[#Filling parameters.Service Url#]

SAVE CANCEL

Click [ Save ].

To add a business process parameter that will contain the port number of the sender's email provider, execute the [ Add parameters ] → [ Integer ] action in the [ Parameters ] tab of the setup area and specify the following parameter properties:

- [ Title ] - "Port".
- [ Code ] - "Port".
- [ Value ] - click ⚡ → [ Process parameter ] and select the "Port" process element.

Title\*

Port

Code\*

Port

Data type\*

Integer

Value

[#Filling parameters.Port#]

SAVE CANCEL

Click [ Save ].

To add a business process parameter that will contain the cryptographic protocol for a secure connection, execute the [ Add parameters ] → [ Boolean ] action in the [ Parameters ] tab of the setup area and specify the following parameter properties:

- [ *Title* ] - " Use Ssl".
- [ *Code* ] - " UseSsl".
- [ *Value* ] - click ⚡ -> [ *Process parameter* ] and select the " Use SSL" process element.

The screenshot shows a configuration dialog box with the following fields and values:

- Title\***: Use Ssl
- Code\***: UseSsl
- Data type\***: Boolean
- Value**: [#Filling parameters.Use Ssl#]

At the bottom right, there are two buttons: **SAVE** and **CANCEL**.

Click [ *Save* ].

To add a business process parameter that will contain the email sender's name, execute the [ *Add parameters* ] -> [ *Text* ] action in the [ *Parameters* ] tab of the setup area and specify the following parameter properties:

- [ *Title* ] - "User Name".
- [ *Code* ] - "UserName".
- [ *Data type* ] - select "Text (250 characters)".
- [ *Value* ] - click ⚡ -> [ *Process parameter* ] and select the "User Name" process element.

The screenshot shows a configuration dialog box with the following fields and values:

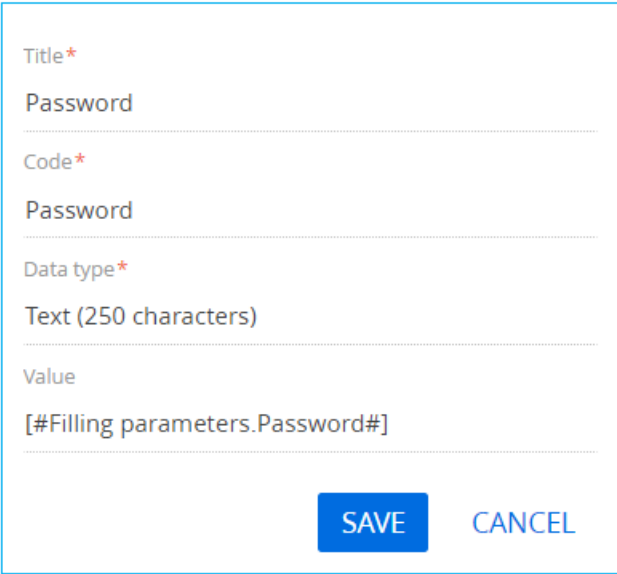
- Title\***: User Name
- Code\***: UserName
- Data type\***: Text (250 characters)
- Value**: [#Filling parameters.User Name#]

At the bottom right, there are two buttons: **SAVE** and **CANCEL**.

Click [ Save ].

To add a business process parameter that will contain the password for the email sender's mailbox, execute the [ Add parameters ] → [ Text ] action in the [ Parameters ] tab of the setup area and specify the following parameter properties:

- [ Title ] - "Password".
- [ Code ] - "Password".
- [ Data type ] - select "Text (250 characters)".
- [ Value ] - click ⚡ → [ Process parameter ] and select the "Password" process element.



The screenshot shows a configuration window for a parameter. The fields are as follows:

- Title\***: Password
- Code\***: Password
- Data type\***: Text (250 characters)
- Value**: [#Filling parameters.Password#]

At the bottom right, there are two buttons: **SAVE** and **CANCEL**.

Click [ Save ].

To add a business process parameter that will contain the email recipient's mailbox, execute the [ Add parameters ] → [ Text ] action in the [ Parameters ] tab of the setup area and specify the following parameter properties:

- [ Title ] - "Recipient".
- [ Code ] - "Recipient".
- [ Value ] - click ⚡ → [ Process parameter ] and select the "Recipient (many recipients separated by semicolon ";")" process element.

Title\*

Recipient

Code\*

Recipient

Data type\*

Text (500 characters)

Value

[#Filling parameters.Recipient (many recipi...]

SAVE CANCEL

Click [ Save ].

To add a business process parameter that will contain the type of the email sender's mail provider, execute the [ Add parameters ] → [ Other ] → [ Unique identifier ] action in the [ Parameters ] tab of the setup area and specify the following parameter properties:

- [ Title ] – "Type of mail server".
- [ Code ] – "ServerTypeld".
- [ Value ] – click ⚡ → [ Process parameter ] and select the "Type of mail server" process element.

Title\*

Type of mail server

Code\*

ServerTypeld

Data type\*

Unique identifier

Value

[#Filling parameters.Type of mail server#]

SAVE CANCEL

Click [ Save ].

To add a business process parameter that will contain the email sender's mailbox, execute the [ Add parameters ] → [ Text ] action in the [ Parameters ] tab of the setup area and specify the following parameter properties:



- [ *Title* ] - "Sender Mailbox".
- [ *Code* ] - "SenderMailbox".
- [ *Data type* ] - select "Text (250 characters)".
- [ *Value* ] - click ⚡ -> [ *Process parameter* ] and select the "Sender Mailbox" process element.

The image shows a configuration dialog box with the following fields:

- Title\***: Sender Mailbox
- Code\***: SendeMailbox
- Data type\***: Text (250 characters)
- Value**: [#Filling parameters.Sender Mailbox#]

At the bottom right of the dialog are two buttons: **SAVE** and **CANCEL**.

Click [ Save ].

## 7. Add methods

To add business process methods, click + in the [ *Usings* ] block in the [ *Methods* ] tab of the process designer setup area, and specify `Terrasoft.Mail.Sender` value in the [ *Name Space* ] field. Click [ Save ].

Using the same method, add the following namespaces:

- `Terrasoft.Core.Factories`
- `System.Linq`

Save all changes in the Process Designer.

## 8. Business process launch

After the business process is run using the [ *Run* ] button, a page containing fields for specifying email parameters will open.

## Fill parameters for sending Email

[CONTINUE](#)[CLOSE](#)

Sender Mailbox\*

User Name\*

Password\*

Service Url\*

Port 0

Use Ssl

Recipient (many recipients separated by semicolon ";")\*

Subject\*

Body\*

Type of mail server\*

To send an email using the explicit account credentials, click [ *Continue* ].