

Nuclet: Email sending

🌐 Language: [Deutsch](#) · [English](#)

💡 Nuclet: Email sending

Data sheet and documentation entry point for the Email sending Nuclet (sending emails from Nuclos processes based on templates).

CONCEPT

INTEGRATORS

UPDATED: JUL 2026

APPLIES TO NUCLOS 4.2026.X

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 **Machine-translated – under review**

This page was machine-translated from German as a first draft and is currently under review. The authoritative source remains the **German original** (see the language switch above).

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Releases

Version	Date	Notes	Compatibility
1.1.0	13.02.2018	First published version	from Nuclos 4.25.1
1.1.2	04.07.2019	Email queue and improved API	from Nuclos 4.33.8
1.1.3	17.12.2021	E-Mail-Templates	from Nuclos 4.47.3
1.1.4	22.11.2022	Text blocks: subform data in general and via rule block, dispatch condition for text and attachment blocks	from Nuclos 4.47.3
1.1.5	10.02.2023	Store emails as file	from Nuclos 4.47.3
1.1.6	04.05.2023	recurring email reminders	from Nuclos 4.47.3
1.1.7	07.12.2023	recurring email series, parameter for the current date, dispatch condition for subform Addresses	from Nuclos 4.2023.24.2
1.1.8	11.07.2024	Log draft as preview for an email, mark attachment as mandatory field, show use of blocks	from Nuclos 4.2023.24.2
1.1.9	16.07.2025	Display and use Nuclos fields, email series according to schedule list, maximum attachment size, allow locked users	from Nuclos 4.2024.26.2

Overview

The Nuclet "E-Mail-Versand" offers additional convenience when using the Nuclos Mail API (see [http://api.nuclos.de/org/nuclos/api/provider/MailProvider.html#send\(org.nuclos.api.mail.NuclosMail\)](http://api.nuclos.de/org/nuclos/api/provider/MailProvider.html#send(org.nuclos.api.mail.NuclosMail))).

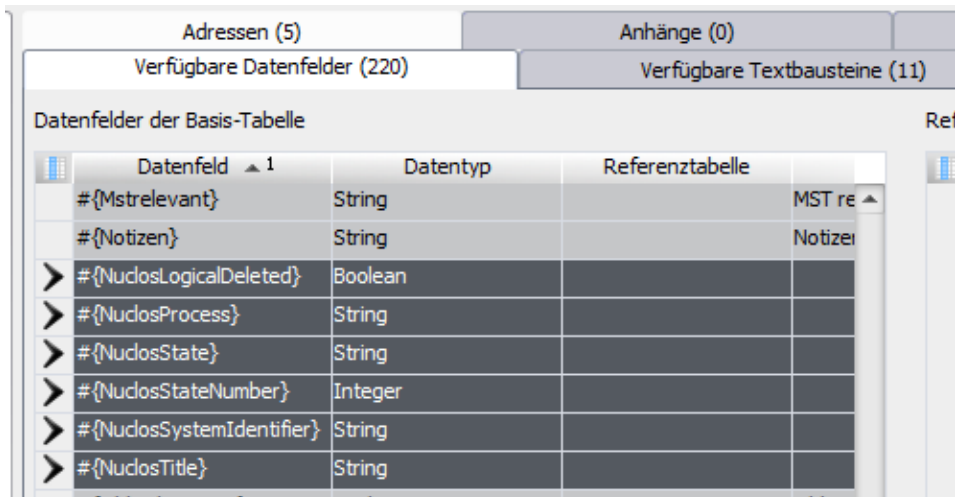
In particular, it enables the redirection of all emails for test purposes or to test environments, as well as the archiving of all sent emails including file attachments for documentation purposes.

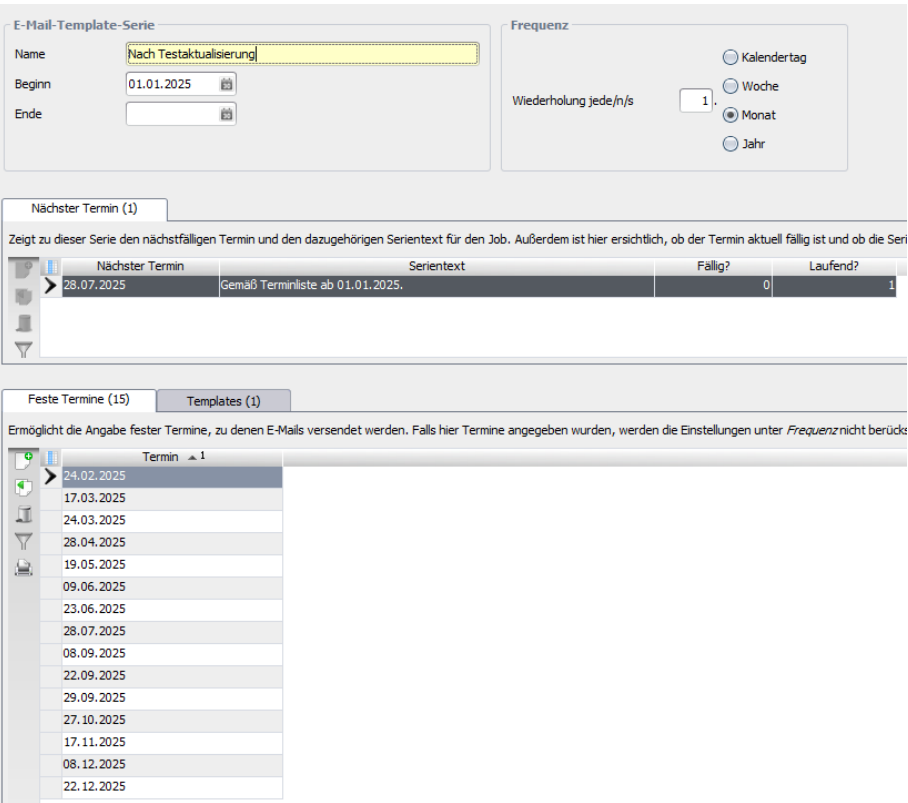
In addition, there is a job for sending and receiving emails. This means emails are sent a little later, but can be rolled back after errors so that they are not sent multiple times.

Furthermore, there is also the option to configure templates for emails.

Version 1.1.9

Description of the changes in version 1.1.9

Topic	Description																																								
Display and use Nuclos fields	Nuclos fields are now displayed in the subform <i>Available data fields</i> and can be used in the template texts.  The screenshot shows a web interface with a subform titled 'Verfügbare Datenfelder (220)'. It contains a table with the following columns: 'Datenfeld', 'Datentyp', 'Referenztable', and 'Ret'. The table lists several fields, including '#Mstrelevant', '#Notizen', and various Nuclos-specific fields like '#NuclosLogicalDeleted', '#NuclosProcess', '#NuclosState', '#NuclosStateNumber', '#NuclosSystemIdentifier', and '#NuclosTitle'. Each field has a corresponding data type and a reference table. <table><tr><th>Datenfeld</th><th>Datentyp</th><th>Referenztable</th><th>Ret</th></tr><tr><td>#Mstrelevant</td><td>String</td><td></td><td>MST re</td></tr><tr><td>#Notizen</td><td>String</td><td></td><td>Notizen</td></tr><tr><td>> #NuclosLogicalDeleted</td><td>Boolean</td><td></td><td></td></tr><tr><td>> #NuclosProcess</td><td>String</td><td></td><td></td></tr><tr><td>> #NuclosState</td><td>String</td><td></td><td></td></tr><tr><td>> #NuclosStateNumber</td><td>Integer</td><td></td><td></td></tr><tr><td>> #NuclosSystemIdentifier</td><td>String</td><td></td><td></td></tr><tr><td>> #NuclosTitle</td><td>String</td><td></td><td></td></tr><tr><td>> #NuclosLogicalDeleted</td><td>Boolean</td><td></td><td></td></tr></table>	Datenfeld	Datentyp	Referenztable	Ret	#Mstrelevant	String		MST re	#Notizen	String		Notizen	> #NuclosLogicalDeleted	Boolean			> #NuclosProcess	String			> #NuclosState	String			> #NuclosStateNumber	Integer			> #NuclosSystemIdentifier	String			> #NuclosTitle	String			> #NuclosLogicalDeleted	Boolean		
Datenfeld	Datentyp	Referenztable	Ret																																						
#Mstrelevant	String		MST re																																						
#Notizen	String		Notizen																																						
> #NuclosLogicalDeleted	Boolean																																								
> #NuclosProcess	String																																								
> #NuclosState	String																																								
> #NuclosStateNumber	Integer																																								
> #NuclosSystemIdentifier	String																																								
> #NuclosTitle	String																																								
> #NuclosLogicalDeleted	Boolean																																								

Email series according to schedule list	Email template series can now also be sent at fixed dates (see subform <i>Fixed dates</i>). The settings under <i>Frequency</i> then have no effect. 
maximum attachment size	Via the Nuclet parameter <i>Maximum attachment size</i> the maximum permitted attachment size in MB for dispatch can now be specified (default: "20").
allow locked users	Via the Nuclet parameter <i>Allow locked users</i> sending emails to addresses with a locked user can be allowed (default: "N"). The block <i>Creator (user)</i> returns no result when locked.

Version 1.1.8

Description of the changes in version 1.1.8

Topic	Description
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Log draft as preview for an email

Emails can now be shown to the user as a draft, for example via an object generator. In doing so, an email log is created with the action Entwurf created, which is sent automatically on saving. One use case would be, for example, a quotation that can still be supplemented with specific texts, recipients or attachments.

Ansprechpartner

Test Test (Wholesale) test@email.de

Angebot senden

Textbaustein (nach Anredeformat)

B

K

U

•

1.

Wir danken Ihnen für Ihre Anfrage über eine Verbindung.

Vorlauf ist aktuell mit ca 14 Wochen zu berücksichtigen.

Die Preisinformation steht unter dem Vorbehalt des Abschlusses eines Mietvertrages. In diesem wollen wir insbesondere die Haftung beschränken.

Vielen Dank und freundliche Grüße

Nucleus Nucleus

(This message was automatically sent by Nucleos)

Sende Angebot

E-Mail Protokoll

Erstellt am

11.07.2024

Erstellt um

15:22:08

Referenz

RQ/23/CLW/0025 - Wiedervorlage

Referenz (Empfänger)

Referenz (Kontext)

76911770

Kopf-Daten

Abkürzung

nucleos@nucleos.de

Antwortadresse

nucleos@nucleos.de

Empfänger

test@email.de

Empfänger CC

Empfänger BCC

Betreff

Angebot zu Anfrage RQ/23/CLW/0025

E-Mail-Vorschau

E-Mail-Template

Anfrage Angebot

HTML?

☒

Sprache

Deutsch

Nachricht

Sehr geehrte Damen und Herren / Dear Sirs and Madames,

In der Anlage erhalten Sie das aktuelle Angebot zur Anfrage RQ/23/CLW/0025.

Wir danken Ihnen für Ihre Anfrage über eine Verbindung.

Vorlauf ist aktuell mit ca 14 Wochen zu berücksichtigen.

Die Preisinformation steht unter dem Vorbehalt des Abschlusses eines Mietvertrages. In diesem wollen wir insbesondere die Haftung beschränken.

Vielen Dank und freundliche Grüße

Nucleus Nucleus

(This message was automatically sent by Nucleos)

Anhänge (1)

Pos. = 1

Anhang

Inline?

1

Draft_Fbmg_RQ/23/CLW/0025.pdf

OK

Abbrechen

Mark attachment as mandatory field

Email attachments can now, in the subform *Attachments* of the layout *E-Mail-Template* be marked as mandatory (*Mandatory field?*). If the calculation yields no attachment, an error message appears and the email is not sent.

Nachrichten (0)

Verfügbare Datenfelder (0)

Verfügbare Textbausteine (0)

Statuswechsel (0)

Erinnerungen (0)

Adressen (2)

Anhänge (1)

Betreffs (0)

Hier können verschiedene Anhänge definiert werden. Dazu gibt es folgende Möglichkeiten:

- *Datei* = eine feste Datei
- *Report* = ein Report oder ein Formular in Nucleos, das angehängt werden soll
- *Druckprofil* = ein Druckprofil eines Formulars, das verwendet werden soll
- *Baustein* = ein *E-Mail-Template-Baustein*, der eine oder mehrere Dateien zurück gibt

Für jeden Anhang können alternative Anhänge in anderen Sprachen angegeben werden. Wenn der Anhang als *Pflichtfeld* markiert ist, muss das angegebene Feld bei Erzeugen der E-Mail einen Anhang liefern, ansonsten gibt es eine Fehlermeldung.

Anhänge (Standard)

Pflichtfeld?

Aktiv?

Pos. = 1

Report

Druckprofil

Datei

Baustein

☒

☒

16 Benutzergruppen mit Bereich

Benutzergruppen mit Bereich

Anhänge (Übersetzt)

Pos. = 1

Sprache

Report

Druckprofil

Datei

Baustein

Show use of building blocks

The use of individual blocks can now be shown in the layout *E-Mail-Template-Bausteine* (all instances) are displayed. From there you can jump directly to the respective usage.

E-Mail-Template-Baustein (Regelbaustein)

Name

Angebotsposition Absender

Baustein-Typ

Regelbaustein

Aktiv?

☒

E-Mail-Adresse?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Adresse verfügbar.

Sprache?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Sprache verfügbar.

Footer?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Footer verfügbar.

Signatur?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Signatur verfügbar.

Verfügbar für (1)

Verwendet von (2)

	E-Mail-Template	E-Mail-Baustein	Attribut
>	Angebotsposition Rückfrage		Nachricht
>	Angebotsposition fertig bearbeitet		Nachricht

Version 1.1.7

Description of the changes in version 1.1.7

Topic	Description
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recurring email series

The field *Serientyp* im Bereich *Further properties* im *E-Mail-Template* enables the configuration of recurring series by email, e.g. to send reports regularly. Series with different patterns (see screenshot) can be created and linked.

The emails are sent via the job *Versende Erinnerungen* sent daily if the criteria apply.

Series can only take effect from a date (*Beginn*) and optionally end on a certain date (*Ende*).

The new Nuclet parameter *Base date for series* can be changed if necessary to catch up on past series or to test the functionality:

Format: "TT.MM.JJJJ"

Current date with "."

Parameter for the current date

A new parameter with the following syntax makes it possible to perform calculations with the current date. Days, months or years can be added or subtracted.

```
...
<b>bis spätestens ##{(HEUTE|TODAY)([+-][0-9]{1,4})([TD]|M|[JY])}</b>
...
```

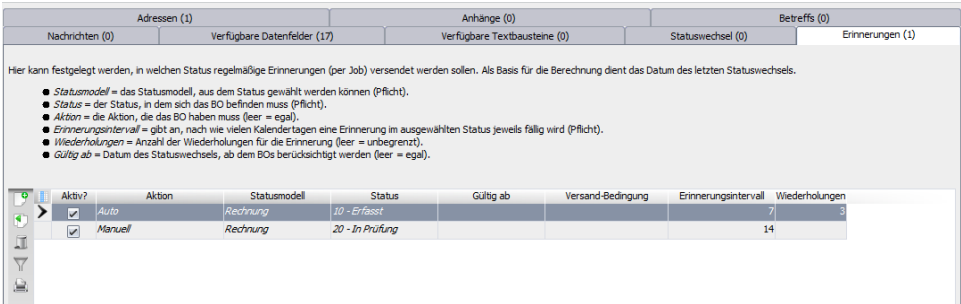
Examples:

Current day	##{HEUTE}
14 days ago	##{HEUTE - 14T}
In three months	##{TODAY+3M}
Next year	##{HEUTE+1J}

Dispatch condition for subform Addresses	It is now also possible, in the subform <i>Addresses</i> dispatch conditions can be stored - they decide whether the respective address line is included in the email.
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Version 1.1.6

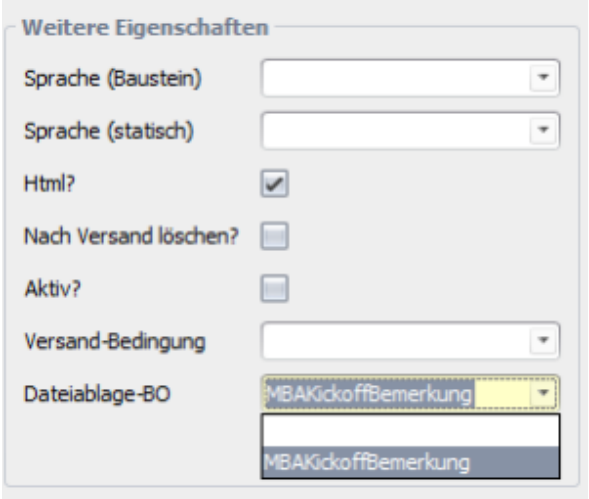
Description of the changes in version 1.1.6

Topic	Description
recurring email reminders	The tab <i>Erinnerungen</i> im Reiter <i>Configuration</i> im <i>E-Mail-Template</i> enables the configuration of recurring reminders by email. A positive value for the reminder interval can be set for each status (<u>Kalendertage</u>) and optionally the positive number of repetitions (otherwise unlimited). The emails are sent via the job <i>Versende Erinnerungen</i> sent daily if the criteria apply. Reminders can only take effect from a date (<i>Valid from</i>) and, if needed, further via a <i>Versandbedingung</i> be restricted.  The reference date is always the day of the relevant state change.
Parameter in E-Mails	Parameters provided via rules if applicable (<code>org.nuclet.emailversand.EMailContext.TemplateParameters</code>) can now also be addressed in the template, e.g. for the reminders with the following syntax. <pre>... die o.g. Rechnung ist seit \${INTDAYSPAST} Tagen im Status <i>20 - Prüfung</i>. ...</pre>

Version 1.1.5

Description of the changes in version 1.1.5

Topic	Description
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Store emails as file	Under <i>Dateiablage-BO</i> im <i>E-Mail-Template</i> relevant subtables with a file attachment are now offered for selection.  If selected, the emails sent via this template are saved in the corresponding BO as an .eml file.
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Version 1.1.4

Description of the changes in version 1.1.4

Topic	Description
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Text blocks: subform data in general and via rule block

You can now either output all subform data in tabular form (base BO generated from subform) or additionally restrict this via a rule block (generated from rule block).

E-Mail-Template-Baustein (Textbaustein)

Name: Angebotsposition (Tabellenzeile)

Baustein-Typ: Textbaustein

Versand-Bedingung:

Aktiv?: ☒

E-Mail-Adresse?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Adresse verfügbar.

Sprache?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Sprache verfügbar.

Footer?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Footer verfügbar.

Signatur?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Signatur verfügbar.

1. Basis-BO generiert aus Regelbaustein: Angebotsposition (BO-Liste)

2. Basis-BO generiert aus Unterformular: Nudet BO

Text (0) Verfügbar für (1)

Hier können ebenfalls Datenfelder verwendet werden, wenn sie in dem Basis-BO im eingesetzten Template bzw. unter 1. oder 2. definiertem BO existieren. Endet ein Datenfeld auf "*", dann wird der Baustein nur dann geschrieben, wenn das gekennzeichnete Datenfeld nicht leer ist.

Text (default)

```
<tr><td>#{Pos}</td><td>#{Standortacalc}</td><td>#{Standortbcalc}</td></tr>
```

E-Mail-Template-Baustein (Textbaustein)

Name: TestBO

Baustein-Typ: Textbaustein

Versand-Bedingung:

Aktiv?: ☒

E-Mail-Adresse?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Adresse verfügbar.

Sprache?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Sprache verfügbar.

Footer?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Footer verfügbar.

Signatur?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Signatur verfügbar.

1. Basis-BO generiert aus Regelbaustein:

2. Basis-BO generiert aus Unterformular: Nudet LMT BO Anfrage

Text (0) Verfügbar für (0)

Hier können ebenfalls Datenfelder verwendet werden, wenn sie in dem Basis-BO im eingesetzten Template bzw. unter 1. oder 2. definiertem BO existieren. Endet ein Datenfeld auf "*", dann wird der Baustein nur dann geschrieben, wenn das gekennzeichnete Datenfeld nicht leer ist.

Text (default)

```
<tr><td>#{Pos}</td><td>#{Standortacalc}</td><td>#{Standortbcalc}</td></tr>
```

Such text blocks are output as a table via a further text block.

E-Mail-Template-Baustein (Textbaustein)

Name: Angebotspositionen (MBA)

Baustein-Typ: Textbaustein

Versand-Bedingung:

Aktiv?: ☒

E-Mail-Adresse?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Adresse verfügbar.

Sprache?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Sprache verfügbar.

Footer?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Footer verfügbar.

Signatur?: ☐ Dieser Baustein ist damit im E-Mail-Template auch als Signatur verfügbar.

1. Basis-BO generiert aus Regelbaustein:

2. Basis-BO generiert aus Unterformular: Nudet BO

Text (0) Verfügbar für (1)

Hier können ebenfalls Datenfelder verwendet werden, wenn sie in dem Basis-BO im eingesetzten Template bzw. unter 1. oder 2. definiertem BO existieren. Endet ein Datenfeld auf "*", dann wird der Baustein nur dann geschrieben, wenn das gekennzeichnete Datenfeld nicht leer ist.

Text (default)

```
<table>
<tr><th>Pos</th><th>Standort A</th><th>Standort B</th></tr>
<tr><td>#{Angebotsposition (Tabellenzeile)}</td><td></td><td></td></tr>
</table>
```

Dispatch condition for text and attachment blocks

A dispatch condition can now be specified for text and attachment blocks.

E-Mail-Template-Baustein (Textbaustein)

Name

Importpositionen (Meilensteine)

Baustein-Typ

Textbaustein

Versand-Bedingung

Liste ist nicht leer

Aktiv?

☒

E-Mail-Adresse?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Adresse verfügbar.

Sprache?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Sprache verfügbar.

Footer?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Footer verfügbar.

Signatur?

☐ Dieser Baustein ist damit im E-Mail-Template auch als Signatur verfügbar.

1. Basis-BO generiert aus Regelbaustein

2. Basis-BO generiert aus Unterformular

Nudet

BO

Beschreibung

Text (0)

Verfügbar für (1)

Hier können ebenfalls Datenfelder verwendet werden, wenn sie in dem Basis-BO im eingesetzten Template bzw. unter 1. oder 2. definiertem BO existieren. Endet ein Datenfeld auf "*", dann wird der Baustein nur dann geschrieben, wenn das gekennzeichnete Datenfeld nicht leer ist.

Text (default)

Dabei traten folgende Fehler pro Position auf:
 <table>
<tr><th class="first">Zelle</th><th>Standortnr</th><th>Teilprojekt</th><th>Pos</th><th>Erwartet</th><th>Ist</th><th>Änderungsgrund</th><th>Hinweis</th></tr>
##(Importposition (Tabellenzeile))
</table>

E-Mail-Template-Baustein

Name

Exportdatei (Positionen)

Baustein-Typ

Anhang

Versand-Bedingung

Liste ist nicht leer

Aktiv?

☒

Verfügbar für (1)

Wenn die Verfügbarkeit eingeschränkt werden soll, wird dieser Baustein nur dann in einem E-Mail-Template angeboten, wenn das Template auf einer der ang Dies ist für einige Regelbausteine sinnvoll, wenn diese nicht für alle Tabellen sinnvolle Ergebnisse liefern.

Verfügbarkeit einschränken? ☒

Nudet

Tabelle

LMT

Meilenstein Import

Version 1.1.3

Description of version 1.1.3

Topic	Description
E-Mail Template	The BO <i>E-Mail-Template</i> offers the option to create templates for emails, which can then be sent from within rules. This gives an administrator the option to design the emails sent by Nuclos themselves and to change them at short notice. The templates offer many options for this: • Access to arbitrarily deeply referenced attributes from a freely selectable base BO (e.g. sales order), similar to Nuclos forms • Various sources of addresses (attribute, Nuclet parameter, user, user group, ...) • Various sources of attachments (file, form, ...) • Different languages of subject, message and attachment • Text blocks • Email recipients that determine the email address, salutation and language of the email • Standardised and configurable footers and signatures • Preview and test of the template More complex email components, such as a table with all sales order items, must be supported by a rule.

Email block	Blocks can be defined that are then available in the email templates. Possible are Textbaustein • Reine (ggf. mehrsprachige) Standard-Textbausteine (AGB, Versandinfos, Signatur, ...) • Blocks that provide a footer or a signature Rule block • Complex blocks that require rule support (e.g. table with sales order items) • Blocks that determine one or more email addresses (e.g. for subscribe functionalities) • Blocks that define a language Recipients • Blocks that define the email recipient (address, salutation, language) Attachment • Blocks that generate an attachment Versandbedingung • Blocks that decide whether an email should be sent or not For safety, blocks can be restricted to certain BOs, e.g. if the block <i>Bearbeiter</i> for the BOs <i>Rechnung</i> and <i>Sales order</i> exists but not for the BO <i>Articles</i>
E-Mail Sprache	Defines the available languages
Regelbausteine	To create an email from an email template, an instance of a class must be passed that implements the interface <i>Regelbausteine</i> is implemented. The Nuclet comes with an implementation that contains some examples. If you need your own rule blocks, you should create your own implementation in your Nuclet so that it is not overwritten when the email Nuclet is updated. In the method <i>EMailUtils.getRegelBausteine()</i> then simply create this implementation.

Configuration of email templates from version 1.1.3

E-mail template section		
Name	Pflicht	Unique name of the template
Base Nuclet	optional	The Nuclet from which the base BO should come
Base BO	optional	The BO to which the email refers (e.g. <i>Sales order</i>)
Recipients	optional	A rule block that is marked as <i>Recipients</i> and for which the method <i>getRecipient()</i> returns a result with email address, salutation and, if applicable, language in the rule block implementation
Recipient BO	optional	If the recipient is, for example, generally implemented as a rule block for the BO <i>Employees</i> has been implemented can simply be <i>Employees</i> be specified
Recipient role	optional	If the <i>Employees</i> occurs in various roles in the base BO, this can be specified here, e.g. <i>Contacts</i> or <i>Kundenberater</i>
Footer	optional	Ein als <i>Footer</i> marked text block
Signatur	optional	Ein als <i>Signatur</i> marked text block
Further properties section		
Language (block)	optional	The language in which the email should be sent, defined by a block marked as <i>Sprache</i> marked text block
Sprache (statisch)	optional	The language in which the email should be sent, specified directly
Html?	optional	Email is sent in HTML format (recommended)

Delete after sending?	optional	Sensitive emails (e.g. with password links or similar) can be deleted automatically from the email log after sending
Active?	optional	Activates or deactivates the sending of the emails
Versandbedingung	optional	Here a rule block can be selected that is a dispatch condition deciding whether the email should be sent
Template test section		
ID of the base BO	optional	If a base BO is specified, an intid can be entered here for which the preview is created and the test email is sent
Sprache	optional	Here the language of the preview and the test email can be forced
Recipient of the test email	optional	If no recipient is specified, the email is sent to the <i>Email redirection to</i> address stored in the Nuclet parameter.
Create preview		Creates a preview in the tab <i>Vorschau</i>
Sends test email		For the final test, a test email can thus be sent
Configuration tab		
Subject + message	optional	Here subject and message can be defined. The following can be used - Any text - Data fields from the base BO in the form e.g. <code>#{Auftragsnr}</code> or <code>#{Kunde.Kundengruppe.Name}</code>. Available data fields can be found as help in the tab <i>Available data fields</i> zu finden - Text blocks that are either not restricted to a BO (<code>##{AGB}</code>) or are allowed for the base BO (<code>##{Ansprechpartner}</code>), can be found as help in the tab <i>Available text blocks</i> Alternative texts in other languages can be specified for subject and message (see tab <i>Subjects (translated)</i> and <i>Messages (translated)</i>)
Addresses tab	optional	Wenn ein <i>Recipients</i> is specified, the email is sent to the email address determined there. Additionally or alternatively, further addresses can be added from - direkt angegebenen Adressen (z.B. CC info@firma.de) - a Nuclos user - all Nuclos users of a certain user group - an attribute of the base BO (or further referenced attributes, e.g. the email address of the person responsible for the sales order) - a Nuclet parameter - a block that is marked as <i>E-Mail-Adresse</i> gekennzeichnet ist
Attachments tab	optional	Here attachments for the email can be defined, e.g. - a report or form - a file stored in the template - a block that is marked as <i>Attachment</i> and for which the method <code>getAttachments()</code> returns a list of files Alternative attachments in other languages can be defined for each attachment
State change tab	optional	Here you can configure at which state change the email should be sent. However, a corresponding rule must be assigned for every possible state change of the affected state model. Helpful for this rule is then the method <code>EEmailUtils.sendAllAcceptedEMails(StateChangeContext context, RegelBausteine regelBausteine)</code>
Weitere		
Description tab	optional	Further information for the template can be stored here
E-mails tab		Shows the emails that have already been generated from this template

Use of email templates from version 1.1.3

Initialisierung	
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After the Nuclet import, the job *Initiale Nuclet Emailversand* must be run once.

Among other things, the job creates some standard email blocks so that you can build a template right away.

E-Mail-Template

An email template for an invoice could look like this, for example

Invoice form as attachment

Rule block for a recipient

The Regelbausteine interface

Text	String getValue (String name, Modifiable<Long> bo, EMailTemplateSprache language, TemplateParameters parameters, RuleContext context)
Attachments	List<NuclosFile> getAttachments (String name, Modifiable<Long> bo, EMailTemplateSprache language, TemplateParameters parameters)
Recipients	TemplateRecipient getRecipient (String name, Modifiable<Long> bo, EMailTemplateSprache language, TemplateParameters parameters)
Sprache	NuclosLocale getLocale (EMailTemplateSprache language)
Versandbedingung	boolean isSendMail (EMailTemplateBaustein versandbedingung, Modifiable<Long> bo)
Address of the web client	String getWebclientAddress ()
Anrede	getSalutation (User user, EMailTemplateSprache sprache)

Example (text)

	<pre> public String getValue(final String name, final Modifiable<Long> bo, EmailTemplateSprache language, TemplateParameters parameters, RuleContext context) throws BusinessException { if (SIGNATUR.equals(name)) { return EmailHelper.getSignature(); } else if (RECHNUNGSPPOSITIONEN.equals(name)) { return EmailHelper.getRechnungspositionen(bo, parameters, name); } throw new BusinessException("Unknown name for a rule block: \"" + name + "\""); }; } </pre>
Example (recipient)	
	<pre> @Override public TemplateRecipient getRecipient(String name, Modifiable<Long> bo, EmailTemplateSprache language, TemplateParameters parameters) throws BusinessExc eption { if (ANSPRECHPARTNER.equals(name)) { return EmailHelper.getTemplateRecipient(EmailHelper.getAnsprechpartner(bo, parameters, name)); } else if (BEARBEITER.equals(name)) { return EmailHelper.getTemplateRecipient(EmailHelper.getBearbeiter(bo, name)); throw new BusinessException("Unknown name for a recipient: \"" + name + "\""); } } </pre>
Example (use in rules)	
Simplest case	<pre> EmailTemplate template = EmailUtils.getEmailTemplate(Konstanten.EmailTemplate.RE CHNUNG); if (template.getAktiv()) { EmailVersand.sendMail(new EmailContext(template, EmailUtils.getRegelBausteine ()), rechnung, context)); } </pre>
Creation of templates (class EmailTemplateKonfiguration)	
The class EmailTemplateKonfiguration provides data structures and methods to create languages, blocks and templates via rules. This can be particularly helpful during Nuclet development, to recreate such objects on other instances.	
Available data structures	• Sprache • Baustein • Template • Restriction • Adresse • State change • Attachment • BausteinTranslation • AnhangTranslation • SubjectTranslation • MessageTranslation

Available methods for creation	• EMailTemplate createTemplate(Template template, final JobContext context) • void createSprache(Sprache sprache, final JobContext context) • void insertBausteinTranslation(EMailTemplateBaustein baustein, BausteinTranslation translation) • void insertBausteinRestriction(EMailTemplateBaustein baustein, Restriction restriction) • EMailTemplateAnhang insertAnhang(EMailTemplate template, Anhang anhang) • void insertStatuswechsel(EMailTemplate template, Statuswechsel statuswechsel) • void insertAnhangTranslation(EMailTemplateAnhang anhang, AnhangTranslation translation) • void insertBetreffTranslation(EMailTemplate template, SubjectTranslation translation) • void insertNachrichtTranslation(EMailTemplate template, MessageTranslation translation) • void insertAdresse(EMailTemplate template, Adresse adresse) • EMailTemplateBaustein createBaustein(Baustein baustein, final JobContext context)
Example (block configuration)	<pre>public static final EMailTemplateKonfiguration.Baustein FOOTER_INTERN = new EMailTemplateKonfiguration.Baustein() {{ setName(RegelBausteineImpl.Footer.FOOTER_INTERN); setText("
\n
Many thanks and best regards,\n
\n
##{" + RegelBausteineImpl.Standard.AKTUELLER_BENUTZER + "}"); setFooter(true); }};</pre>
Example (template configuration)	<pre>public static final EMailTemplateKonfiguration.Template TEMPLATE_PROJEKT = new EMailTemplateKonfiguration.Template() {{ setName("Projekt aktiv"); setNuclet("org.nuclet.firma"); setAktiv(false); setTable("Projekt"); setTestID(1234567); setSpracheStatisch(EMailUtils.DEUTSCH); setSubject("Neues Projekt"); setMessage("##{" + RegelBausteineImpl.Standard.ALLGEMEINE_ANREDE + "}" + "\n
" + "\n
the project #{@Nummer} has just been created."); setFooter(RegelBausteineImpl.Footer.FOOTER_INTERN); setSignature(RegelBausteineImpl.Signature.SIGNATUR); addAddress(new EMailTemplateKonfiguration.Adresse() {{ setAttribute("Beauftragtdurch"); setAttributeRef("Emailbenutzer"); setPflichtfeld(true); }}); }};</pre>
Creation example	<pre>EMailTemplateKonfiguration.createBaustein(FOOTER_INTERN, jobContext); EMailTemplateKonfiguration.createTemplate(TEMPLATE_PROJEKT, jobContext);</pre>

Version 1.1.2

Description of version 1.1.2

Topic	Description
E-Mail Umleitung	For test operation, email redirection can be activated. All outgoing emails are then redirected to a defined address. The email additionally states to whom it would actually have gone.
E-Mail Protokoll	All emails to be sent and all sent emails are stored in the email log (under <i>System</i>) . Saving of the sent emails can be switched off in the Nuclet parameters.
E-Mail Queue	There are two different options for sending emails: Send immediately The email is sent immediately. If sending is triggered by a user (e.g. by a state change that triggers an email dispatch), they must wait until this process is complete before they can continue working. If an error occurs during email dispatch, the entire action (e.g. state change) of the user is undone. Dispatch via email queue The email is first stored in the email log as an unsent email and only sent by a regularly running job (<i>Administration > Job control > Send emails</i>). This must of course be activated. This means the user is not held up unnecessarily long during their work, and a faulty email dispatch does not lead to the cancellation of their action.

E-Mail Empfang	The job <i>E-MailEmpfang</i> creates an entry in the email log with the flags for new emails on the server specified in the IMAP system parameters <i>Versendet = false</i> , <i>Empfangen = true</i> , <i>Verarbeitet = false</i> . The flag <i>Verarbeitet</i> can, after the successful further processing of the mail, be set to <i>true</i> be set.
Use in rules	Die Klasse EmailVersand stellt zwei Methoden bereit

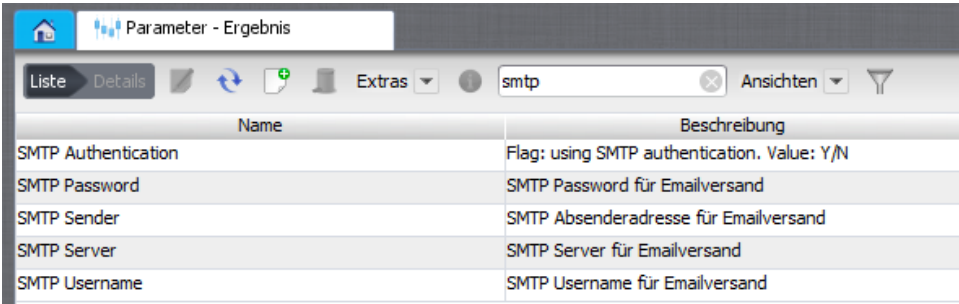
Use in rule programming of version 1.1.2

Klasse EMailVersand	
static void sendMail (EMailContext context)	Sends the email defined in the context
static void sendMailNow (EMailContext context)	Sends the email defined in the context immediately, regardless of the settings in the Nuclet parameters
Klasse EMailContext	
void addRecipient(String address, int type)	Adds a recipient (type = To, CC or BCC)
void addRecipient(String address)	Adds a recipient (To)
void addRecipients (List<String> lRecipients, int type)	Adds a list of recipients (type = To, CC or BCC)
void addRecipients (List<String> lRecipients)	Adds a list of recipients (To)
void addAttachment (NuclosFile file)	Adds an attachment
void addAttachments (List<NuclosFile> lAttachments)	Adds a list of attachments
void setReplyTo(String replyTo)	Defines (reply address differing from the sender)
void setMessage(String message)	Defines the email message
void setSubject(String subject)	Defines the email subject
void setReference(String reference)	Defines a reference. This can be, for example, a sales order number. The reference has no influence on the email, but helps to find emails in the log that belong to a certain sales order.
void resetAttachments()	Clears the list of attachments
void resetRecipients()	Clears the list of recipients
Example (email sending)	

	<pre> EmailContext context = new EmailContext(); context.addRecipient(auftrag.getKundeBO.getEmailadresse()); context.addRecipient("chef@firma.de", EmailContext.BCC); context.addAttachment(auftrag.getRechnung()); context.setSubject("Invoice for order " + auftrag.getAuftragsnr()); context.setMessage("..."); context.setReplyTo("kundenservice@firma.de"); context.setReference(auftrag.getKundeBO().getKundenr()); EmailVersand.sendMail(context); </pre>
Example (email reception)	
	<pre> Query<EmailProtokoll> query = QueryProvider.create(EmailProtokoll.class); query.where(EmailProtokoll.Empfangen.eq(Boolean.TRUE)); query.where(EmailProtokoll.Empfangeneemailverarbeitet.eq(Boolean.FALSE)); for (EmailProtokoll email : QueryProvider.execute(query)) { process(email, context); email.setEmpfangeneemailverarbeitet(Boolean.TRUE); email.save(); } </pre>

Integration

The integration after a successful Nuclet import (see [Nuclet import](#)) is to be carried out as follows.

Step	Description	Screenshot												
1	Configure the Nuclos parameters for using the MailProvider in Nuclos (under <i>Administration > Parameters</i>): • SMTP Authentication • SMTP Username • SMTP Password • SMTP Server • SMTP Sender See also Parameter für Mailversand.	 <table><thead><tr><th>Name</th><th>Beschreibung</th></tr></thead><tbody><tr><td>SMTP Authentication</td><td>Flag: using SMTP authentication. Value: Y/N</td></tr><tr><td>SMTP Password</td><td>SMTP Password für Emailversand</td></tr><tr><td>SMTP Sender</td><td>SMTP Absenderadresse für Emailversand</td></tr><tr><td>SMTP Server</td><td>SMTP Server für Emailversand</td></tr><tr><td>SMTP Username</td><td>SMTP Username für Emailversand</td></tr></tbody></table>	Name	Beschreibung	SMTP Authentication	Flag: using SMTP authentication. Value: Y/N	SMTP Password	SMTP Password für Emailversand	SMTP Sender	SMTP Absenderadresse für Emailversand	SMTP Server	SMTP Server für Emailversand	SMTP Username	SMTP Username für Emailversand
Name	Beschreibung													
SMTP Authentication	Flag: using SMTP authentication. Value: Y/N													
SMTP Password	SMTP Password für Emailversand													
SMTP Sender	SMTP Absenderadresse für Emailversand													
SMTP Server	SMTP Server für Emailversand													
SMTP Username	SMTP Username für Emailversand													

2

Configure the Nuclet parameters of the *Nuclets Emailversand* (under *Configuration > Nuclet Management*)

Name	Description
Email sender	Sender of the emails
Email subject prefix	Optional prefix for the subject line of all Nuclos mails (OFF = no prefix)
Email message closing	Optional closing formula of the message (OFF = no closing)
Email message signature	Optional signature of the message (OFF = no signature)
Send email immediately	Emails are sent immediately and not buffered in the email queue (Y/N)
Email redirection	All emails are redirected (Y/N)
Email redirection to	Target of the redirection
Delete sent emails	Delete successfully sent emails from the email log
Delete received emails	Received emails are deleted from the mail server

Parameter (8)

Extensions (0)

Release Notes (0)

Abhängigkeiten (0)

Nuclet Parameter

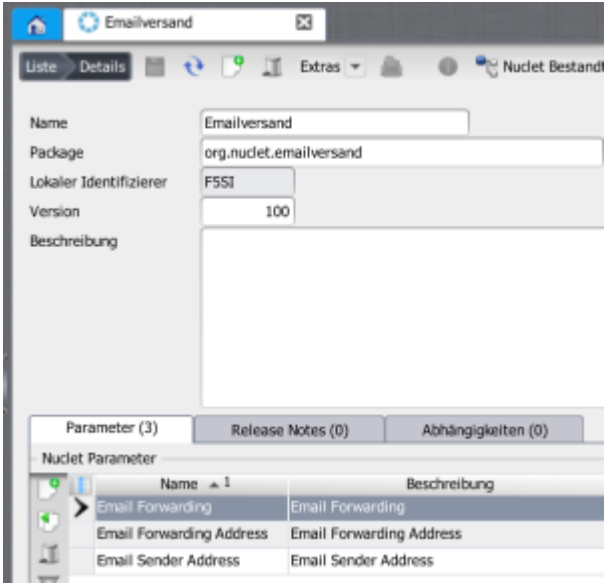
Name ▲ 1	Wert
Email Absender	nuclos@novabit.de
Email Betreff Prefix	[Nuclos Test]
Email Nachricht Abschluss	 Hier Abschlussformel einfügen
Email Nachricht Signatur	 -- Hier Signatur einfügen
Email sofort versenden	N
Email Umleitung	Y
Email Umleitung auf	nuclos@novabit.de
Versendete Emails löschen	N

Version 1.1.0

Integration / description of version 1.1.0

The integration after a successful Nuclet import (see [Nuclet import](#)) is to be carried out as follows.

Step	Description
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1	Configure the SMTP system parameters required for using the MailProvider in Nuclos (at least SMTP Authentication, SMTP Username, SMTP Password, SMTP Server, SMTP Sender). See also Parameter für Mailversand. 
2	Configure the From/ReplyTo address to be set by Nuclos in the Nuclet parameter "Email Sender Address". Furthermore, activate or deactivate the redirection as desired in the Nuclet parameters "Email Forwarding" ("Y" or "N") and "Email Forwarding Address". In this way, the implementation of automatically sent emails in your own Nuclet can be tested easily, or a test system can be configured easily so that it does not send any emails to your customers or suppliers. 
3	Adapt the signature to be used in the class EMailSignatur to your requirements.
4	Use the newly gained functionality by sending emails e.g. to your customers and suppliers. The following methods are available for this: <pre>EmailVersand.sendEmail(String sRecipient, String sSubject, String sMessage, NuclosFile attachment, String lang)</pre> <pre>EmailVersand.sendEmail(List<String> lRecipient, String sSubject, String sMessage, NuclosFile attachment, String lang)</pre> <pre>EmailVersand.sendEmail(List<String> lRecipient, List<String> lRecipientCC, List<String> lRecipientBCC, String sSubject, String sMessage, List<NuclosFile> lAttachment, String lang)</pre> Emails sent via these methods are stored and archived under the menu item System Email log. Remember to grant your users read permission for this menu item if necessary. Example: <pre>String sSubject = "Your invoice"; String sMessage = "Please find your invoice attached"; (new EMailVersand()).sendEmail(kunde.getEmailadresse(), sSubject, sMessage, pdfInvoice, "de");</pre>

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