

# Email Tool

- [Introduction](#)
- [Email Tool Properties](#)
  - [Configure Email Tool](#)
  - [Configure SMTP Settings](#)
  - [Digital Signature](#)
  - [Error Handling](#)
  - [Configure Email Attachments](#)
- [Images In Email Tool](#)
- [Download Demo App](#)
- [Related Tutorials](#)

## Introduction

**Email Tool** enables one to send emails as part of a workflow process.

You can also use the Email Tool in Post Form Submission Processing to send out an email when the user submits the form on:

- Data creation, or
- Data update or
- Both Data creation and Data update.

## Email Tool Properties

### Configure Email Tool

Configure Email ?

To (Specific email address)

To (Participant ID)

CC

BCC



Subject

Message


☐ HTML Content?

Figure 1: Email Tool Properties

Name	Description
To (Specific email address)	Recipient fully qualified address or usernames where you have already setup emails for the users(Example: admin,cat).
To (Participant ID)	<div>Participant ID(s) according to the process flow it resides in.</div> <div>Multiple values can be accepted by separating them with semicolons.</div> <div><div><div></div><div>When <b>To (Specific email address)</b> and <b>To (Participant ID)</b> are both populated, email will be sent to both.</div></div></div>

CC	<p>Fully qualified address is expected.</p> <p>Multiple values can be accepted by separating them with semicolons.</p> <div> <b>CC:</b> lets you send a copy of a message to someone who's interested, but is not the primary recipient.</div>
BCC	<p>Fully qualified address is expected.</p> <p>Multiple values can be accepted by separating them with semicolons.</p> <div> Both Cc and Bcc forward a copy of the message to everyone you've listed. The main difference between Cc or Carbon copy and Bcc (<b>Blind carbon copy</b>) is that, with the latter, the recipients do not get to know each other.</div>
Subject	Email Subject.
Message	Email Message.
HTML Content?	Check if "Message" is intended to be a HTML content.

Configure SMTP Settings

 If you leave the SMTP settings below empty, Joget will read the default SMTP configuration values from the [General Settings > SMTP Settings](#) page.

SMTP Settings

From ?

SMTP Host ?

SMTP Port ?

Security ?






<#>v

SMTP Username

SMTP Password

Figure 2: SMTP Settings

Name	Description
------	-------------


From	Sender email address.  <div>  <b>Example</b>  no-reply@your-company-name.com </div>
SMTP Host	Email Server SMTP Host  <div>  <b>Example</b>  smtp.gmail.com </div>
SMTP Port	Email Server SMTP Port  <div>  Typically, port <b>465</b> for <b>SSL</b> security option and <b>587</b> for <b>TLS</b> </div>
Security	<ul style="list-style-type: none"> <li>• None</li> <li>• TLS</li> <li>• SSL</li> </ul> <p>Alternatively, you can click on the "hash" symbol to allow the input of hash variables.</p>
SMTP Username	Email Server Account Username  <div>  On Google email account, use your full email address. </div>
SMTP Password	Email Server Account Password  <div>  Password submitted will be encrypted for security reason. </div>



#### Quick Test

Hit on the "Send Test Email" button to quickly validate and test the email settings.

## Digital Signature


**DIGITAL SIGNATURE**

---


**Key Store File Path (P12) ?**

**Key Store Passphrase**

**Issuer Alias**

Name	Description
Key Store File Path (P12)	File path of the .pfx (or .p12) file under the "wflow" folder in your Joget DX installation folder.
Key Store Passphrase	The .jks file's Passphrase.
Issuer Alias	The digital certificate's or signature's Issuer name (alias).

Error Handling

 **ERROR HANDLING**

Number of Retry When Fail to Send Out Email

Retry Interval (Seconds)

Name	Description
Number of Retry When Fail to Send Out Email	Number of Retry when the email failed to be sent.
Retry Interval (Seconds)	Retry Interval in Seconds.

Configure Email Attachments

Attachments

Form

Form Upload Fields

1. Form Upload Fields

Field ID

☐ Embed?

+ Add

Files

1. Files

Path

Type

System Path

File Name

☐ Embed?

+ Add

Figure 3: Attachments

## ICS ATTACHMENT

Attach event calendar details that are used by email and calendar programs E.g Microsoft Outlook, Google Calendar, and Apple Calendar

☒ Attach ICS File

Event Name

Start Date Time \*

This field is mandatory

End Date Time

Date Format \*

Timezone

☐ All Day?

<#>

Event Description

Location

Organizer Email

Attendees

1. Attendees



Name \*

Email \*

☐ Required

Add

This field is mandatory

Figure 4: ICS Attachment

Name	Description										
Form	File attachment source form.										
Form Upload Fields	<p>Field ID: File attachment field ID(s) in the <b>Form</b> selected above.</p> <p>Embed: Click the checkbox to embed the image attachment in the email and display the image using HTML, for example:</p> <pre>&lt;img src="cid:#form.table.FileUpload?url#" /&gt;</pre>										
Files	<p>This attribute allows one to define the file attachment freely by defining a system path or absolute URL.</p> <table> <tr> <th>Name</th><th>Description</th></tr> <tr> <td>Path</td><td>Source file path &amp; filename.</td></tr> <tr> <td>Type</td><td> <ul style="list-style-type: none"> <li>System Path</li> <li>URL</li> </ul> </td></tr> <tr> <td>File Name</td><td>File name to be used in Email attachment.</td></tr> <tr> <td>Embed</td><td> <p>Click the checkbox to embed the image attachment in the email and display the image using HTML, for example:</p> <pre>&lt;img src="cid:cat.jpg" /&gt;</pre> </td></tr> </table> <p>See <a href="#">Send List as attachment in Email Tool</a> for more information.</p>	Name	Description	Path	Source file path & filename.	Type	<ul style="list-style-type: none"> <li>System Path</li> <li>URL</li> </ul>	File Name	File name to be used in Email attachment.	Embed	<p>Click the checkbox to embed the image attachment in the email and display the image using HTML, for example:</p> <pre>&lt;img src="cid:cat.jpg" /&gt;</pre>
Name	Description										
Path	Source file path & filename.										
Type	<ul style="list-style-type: none"> <li>System Path</li> <li>URL</li> </ul>										
File Name	File name to be used in Email attachment.										
Embed	<p>Click the checkbox to embed the image attachment in the email and display the image using HTML, for example:</p> <pre>&lt;img src="cid:cat.jpg" /&gt;</pre>										
Attach ICS File	<p>Check this option to prepare an event and attach as an ICS file in the email.</p> <p>When this attribute is checked, one will need to populate the details for the calendar ICS file in the fields below.</p> <ul style="list-style-type: none"> <li>Event Name</li> <li>Start Date Time</li> <li>End Date Time</li> <li>Date Format</li> <li>Timezone (e.g. America/Los_Angeles) (Reference: <a href="https://en.wikipedia.org/wiki/List_of_tz_database_time_zones">https://en.wikipedia.org/wiki/List_of_tz_database_time_zones</a>)</li> <li>All Day?</li> <li>Event Description</li> <li>Location</li> <li>Organizer Email</li> <li>Attendees ( Name and Email are mandatory fields if one chooses to add attendees)</li> </ul> <p>Important: The organizer or sender email must not be the same as your destination/recipient email. If sender and recipient emails are the same, you will not see the "Add to calendar" box in your email.</p> <div> <div> <div></div> <div></div> </div> <div> <p>Start date time 00:00 and end date time is 23:59 is considered as all day event.</p> <p>Advisable to not set time for an all day event when "All day?" is checked.</p> </div> </div>										



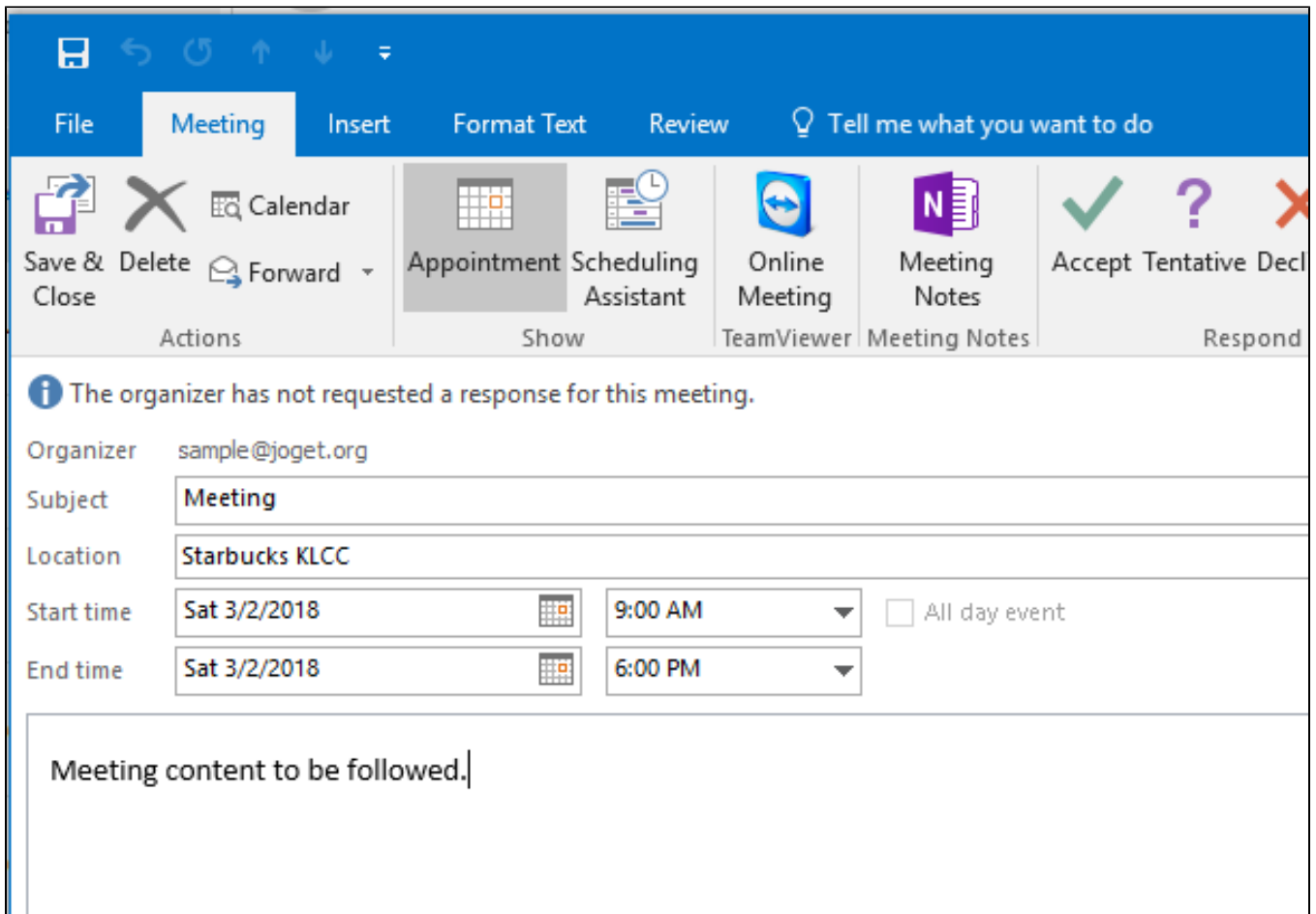


Figure 5: Sample .ics File Opened using Microsoft Outlook

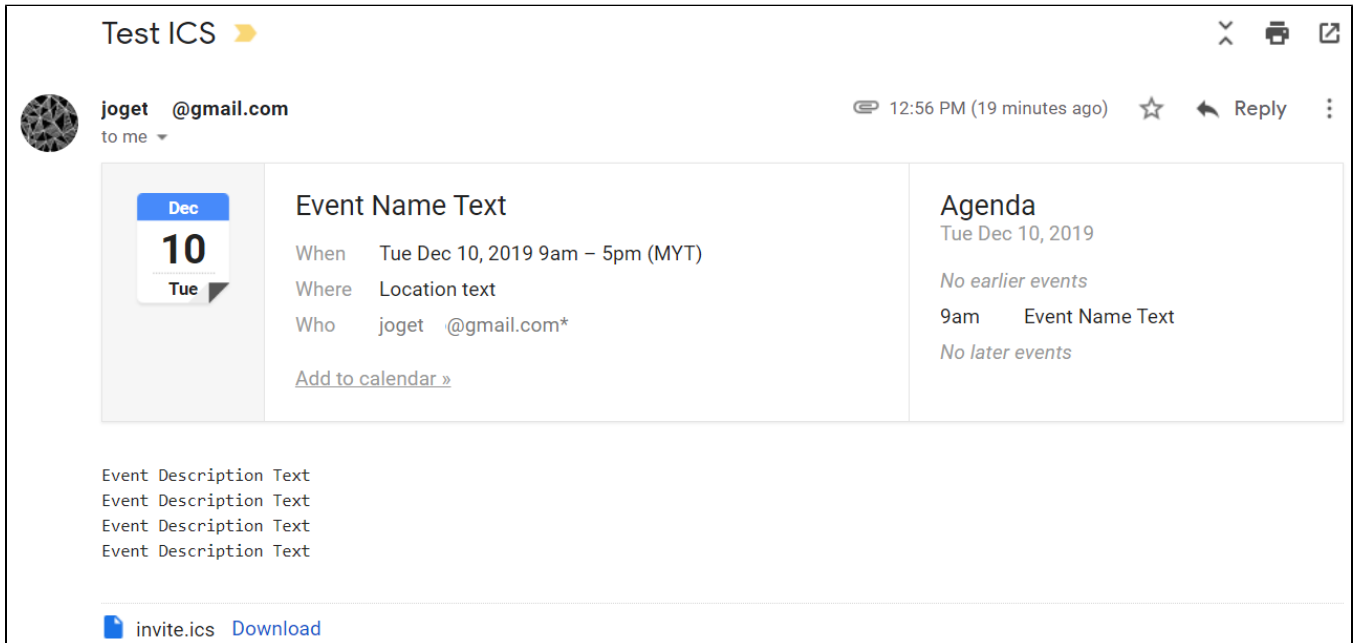


Figure 6: Sample .ics File Opened using Gmail

Images In Email Tool

In Joget DX, we introduced a new **7img2base64** hash variable escape char to convert images tag src in Rich text editor field to base64 data string so that Email Tool can display the image. The syntax is: #form.tableName.richTextFieldId?img2base64#

Note: Google Gmail will not allow images having base64 data.

Alternatively, starting from Joget DX v7.0.7, we can now easily embed images via the **"Embed"** option in the **"Files"** property.

See this section: [Configure Email Attachments](#)

Sample app available below.

## Download Demo App

- [APP\\_email\\_tool\\_with\\_ics\\_attachment\\_dx\\_kb.jwa](#) (Ensure current user who runs the process has email in admin bar > users)
- [APP\\_embed\\_image\\_email\\_dx.jwa](#) (Requires Joget DX v7.0.7 or higher)

## Related Tutorials

- [Sending Email](#)
- [User Notification Plugin](#)
- [User Notifications Tutorial](#)
- [Export Form Email Tool](#)
- [Send JasperReports PDF in Email Tool](#)
- [Add Signature Form Element as Image into Email Content](#)
- [Send List as attachment in Email Tool](#)