



White Paper

Fabasoft Integration for Novell GroupWise

Fabasoft Folio 2025 Update Rollup 1

Copyright © Fabasoft R&D GmbH, Linz, Austria, 2025.

All rights reserved. All hardware and software names used are registered trade names and/or registered trademarks of the respective manufacturers.

No rights to our software or our professional services, or results of our professional services, or other protected rights can be based on the handing over and presentation of these documents.

Contents

1 Introduction	4
2 Software Requirements	4
3 Prerequisites	4
4 Installation	4
5 Uninstalling	4
6 Configuration by Editing the Microsoft Windows Registry	4
7 Configuration of Error Messages	6
8 Provided Fabasoft Folio Actions	7
9 Configuration of the Novell GroupWise Client	7
9.1 Configuration of the Toolbar and the Buttons	7
10 Configuration of Drag-and-Drop Import	8
11 Appendix	9
11.1 Use of HTTPS	9
11.2 XML Schema	9

1 Introduction

This document describes how to integrate and configure buttons (a maximum of four) in Novell GroupWise. When a button is clicked, an action in Fabasoft Folio is called, and the selected e-mail is passed to the action as a parameter.

2 Software Requirements

System environment: All information contained in this document implicitly assumes a Microsoft Windows environment.

Supported platforms: For detailed information on supported operating systems and software see the software product information on the Fabasoft distribution media.

Descriptions in this document are based on the following software:

- Microsoft Windows Server 2019 Standard
- Novell GroupWise 2014

3 Prerequisites

The Fabasoft Folio Client (`Setup\ComponentsBase\Client\FolioClient.msi`) has to be installed on the clients in order to be able to use the buttons in Novell GroupWise.

4 Installation

The use of Novell GroupWise buttons requires the installation of the following MSI package on the client:

```
Setup\ComponentsBase\Client\FolioClientGroupWise.msi
```

Note: The installation package can be deployed using a Microsoft Windows Active Directory.

The Novell GroupWise buttons can be configured with a provided administrative template or by editing the Microsoft Windows Registry manually.

5 Uninstalling

For uninstalling the Fabasoft Novell GroupWise buttons manually, use the “Apps and Features” dialog provided by Microsoft Windows.

For uninstalling the Fabasoft Novell GroupWise buttons automatically, a signed Microsoft PowerShell script file is provided, which is added to the installation directory. This script includes the product code of the currently installed version and can be used by a deployment tool (like Microsoft Software Center) for uninstalling this version even if it was automatically updated before.

```
%PROGRAMFILES(X86)%\Fabasoft\Folio 2024\uninstallGroupWiseButton.ps1
```

6 Configuration by Editing the Microsoft Windows Registry

In the Microsoft Windows Registry of the client several values have to be set. The individual values (each string values) can be found in:

HKEY_CURRENT_USER\Software\Fabasoft\Fabasoft Components GroupWise Extension

If the Fabasoft Components GroupWise Extension key is not available it can be created manually. Open the context menu of the Fabasoft key and click "New" > "Key". Name the key Fabasoft Components GroupWise Extension.

Create the necessary entries (each of type "String Value") in this key. The following key values are available ([2,3,4] refers to the particular button, if several buttons are inserted):

BUTTONS	Defines the number of buttons. If this value is missing, the default value is 1.
CALLURL [2, 3, 4]	<p>The CALLURL is a WebDAV URL that is called when a Novell GroupWise button is clicked.</p> <p>The input parameter contains the e-mail file, attachments (depends on the setting CALLMODE) or an XML file.</p> <p>If CALLFORMAT=XML is defined, the optional output parameter can hold an XML file with a node, which represents the returnurlsuffix for the return URL. Normally this is a vApp.</p> <p>Example:</p> <pre>http://<computername>/<virtual directory>/fscdav/CALL? ACTION=COO.1.1.1.7283</pre> <p>In this case the option CALLURL contains the object address of the <i>Import message from Novell GroupWise</i> action and so the vApp for importing is called. A connection is established to the server and the virtual directory specified in the URL. Fabasoft Folio provides several actions. See chapter 8 "Provided Fabasoft Folio Actions" to get an overview.</p> <p>Example for the content of an XML file as return value:</p> <pre><returnurlsuffix> dx=COO.1.1001.1.32490&amp; ax=COO.....&amp; sys_object=COO.....&amp; sys_selobjects=COO.....&amp; commit=true&amp; ru=javascript:close() </returnurlsuffix></pre>
CALLMODE [2, 3, 4]	<p>CALLMODE defines which files are passed to the CALLURL.</p> <p>CALLMODE=Mail The e-mail file is passed to the CALLURL (default setting, if nothing is specified).</p> <p>CALLMODE=Attachments The attachments of the e-mail are passed to the CALLURL (each is passed separately).</p> <p>The schema used can be found in the description of the CALLFORMAT entry, where all nodes except "File" (which contains the body text) are filled.</p>

	<p>CALLMODE=Both</p> <p>The e-mail file is passed followed by the e-mail's attachments.</p> <p>Note: If the CALLFORMAT parameter contains the value XML, the CALLMODE=BOTH and CALLMODE=MAIL settings are leading to the same result.</p>
CALLFORMAT [2, 3, 4]	<p>CALLFORMAT=XML</p> <p>If the value XML is entered, the file is transferred in an XML file based on the XML schema described in chapter 11.2 "XML Schema". Note: In the CALLURL parameter an action that is able to process a XML object should be defined.</p> <p>CALLFORMAT=Binary</p> <p>If the value Mail is used in the CALLMODE parameter only the body of the e-mail is transferred in an RTF file.</p>
RETURNURLBASE [2, 3, 4]	<p>RETURNURLBASE contains the front part of the URL that is called when the action of CALLURL has completed. The action returns the remaining part of the URL as an output parameter.</p> <p>Example:</p> <p>http://<computername>/<virtual directory>/fscasp/content/bin/fscvext.dll?</p>

The first button is described by the entries CALLURL, RETURNURLBASE etc. For other buttons the name of the entry is extended by the number of the button, e.g. CALLURL3 for the third button.

7 Configuration of Error Messages

Besides the configuration of the buttons, it is also possible to configure error messages, which are for example shown when no e-mail is selected. The entries can be found in

HKEY_CURRENT_USER\Software\Fabasoft\Fabasoft Components GroupWise Extension\MESSAGES

The following entries can be set:

WARNINGNOTIMPORTED_TITLE [2, 3, 4]	<p>Title of the message, which informs the user, that one or more objects could not be imported.</p> <p>Example:</p> <p>Warning: %u objects have not been imported</p> <p>%u is replaced by the number of objects that could not be imported.</p>
WARNINGNOTIMPORTED_TEXT [2, 3, 4]	<p>Text of the message, which informs the user that one or more objects could not be imported.</p> <p>This error message is displayed, when objects not of type e-mail were selected.</p> <p>Example:</p> <p>The following objects could not be imported: %s</p>

	%s is replaced by the names of the objects that could not be imported.
ERRORNOMAILS_TITLE[2, 3, 4]	Title of the message, which informs the user that no e-mail was selected. Example: Error: no e-mails selected
ERRORNOMAILS_TEXT[2, 3, 4]	Text of the message, which informs the user that no e-mail was selected. Example: No e-mails have been selected for import.

8 Provided Fabasoft Folio Actions

Fabasoft Folio offers the following action for the configuration of Novell GroupWise buttons:

<i>Import message from Novell GroupWise</i> (FSCGROUPWISE@1.1:ImportGroupWiseMail) Object address: COO.1.1.1.7283	This action provides the possibility to assign an e-mail to an existing business case. For the use of this action only the following registry entries need to be specified: BTNCAPTIONTEXT=Import Message BUTTONS=1 CALLURL=http://<computername>/<virtual directory>/fscdav/CALL?ACTION=COO.1.1.1.7283 RETURNURLBASE=http://<computername>/<virtual directory>/fscasp/content/bin/fscvext.dll?
---	--

It is possible to specify own actions for each button. In this case make sure that the parameters `CALLFORMAT` and `CALLMODE` are set correctly so that the passed object can be processed by the respective action.

9 Configuration of the Novell GroupWise Client

To be able to use Novell GroupWise buttons, further settings are not necessary. After the installation of the MSI package and a corresponding configuration the buttons can be used.

Note: If the Novell GroupWise buttons are not visible, click the » button, to display additional buttons. Select the button from this menu. If a second toolbar is available, the Novell GroupWise buttons may be displayed by moving the second toolbar into another line.

9.1 Configuration of the Toolbar and the Buttons

It is possible to define values in the Microsoft Windows Registry that affect the label of the buttons. According to the used application these values are read from the Microsoft Windows Registry.

The following values can be set:

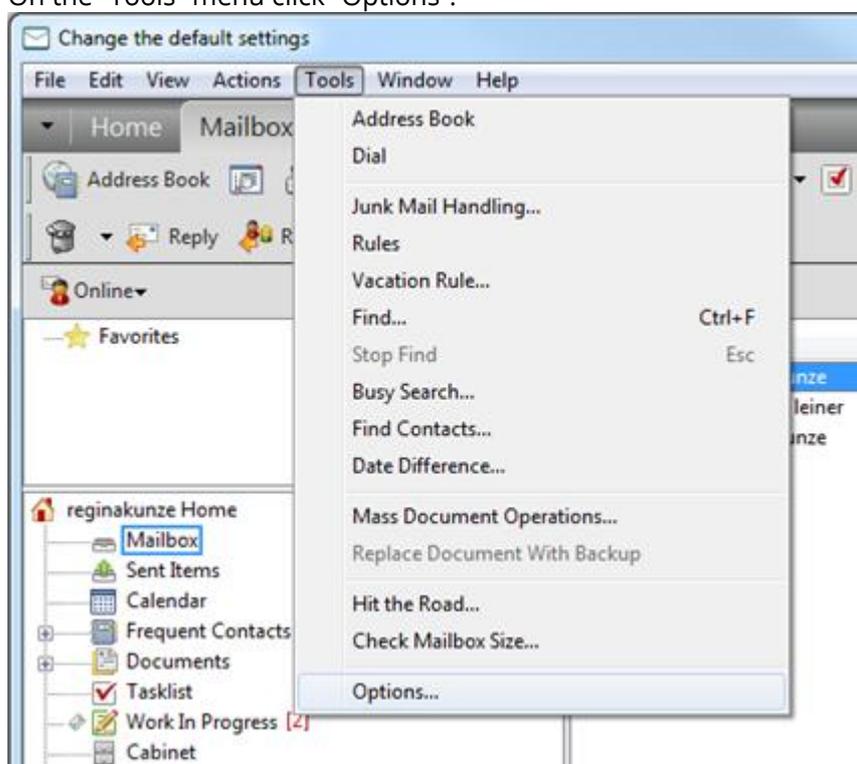
BTNICON [2, 3, 4]	This parameter defines the icon that is displayed on the button.
BTNCAPTIONTEXT [2, 3, 4]	This parameter defines the text that is displayed on the button.
BTNTOOLTIPTEXT [2, 3, 4]	This parameter defines the tool tip text of the button.

10 Configuration of Drag-and-Drop Import

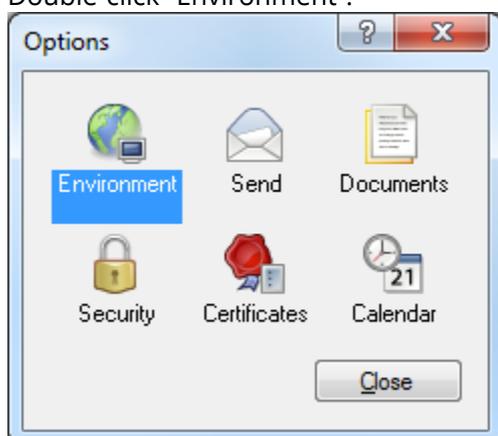
It is possible to import e-mails from Novell GroupWise into Fabasoft Folio via drag-and-drop.

To configure the drag-and-drop functionality, proceed as follows:

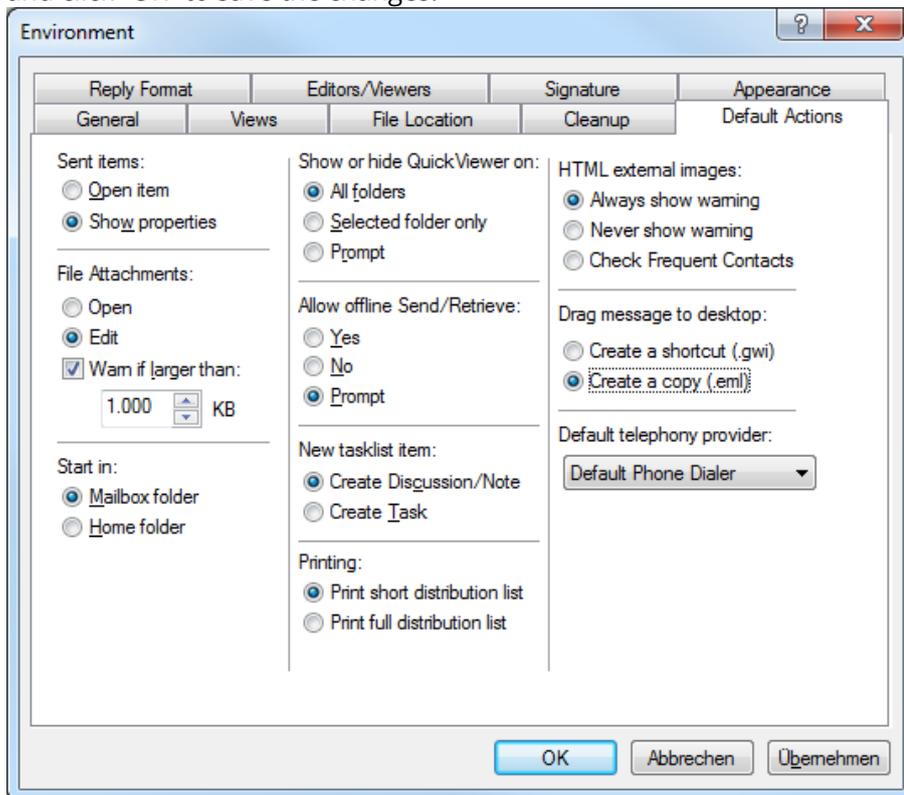
1. On the "Tools" menu click "Options".



2. Double-click "Environment".



- On the "Default Actions" tab under "Drag message to desktop:" select "Create a copy (.eml)" and click "OK" to save the changes.



11 Appendix

In the following chapters additional information can be found.

11.1 Use of HTTPS

If the HTTPS protocol is used, the values in the Microsoft Windows Registry of the client have to be modified accordingly. The entries `CALLURL[2,3,4]` and `RETURNURLBASE[2,3,4]` are affected.

Example:

```
https://<computername>/<virtual directory>/fscdav/CALL?ACTION=COO.1.1.1.7283
```

Furthermore, the certificates used have to be installed on the client.

11.2 XML Schema

```
<?xml version="1.0" encoding="utf-8" ?>
<xs:schema targetNamespace="urn:schemas.fabasoft.com/MailImport"
elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:ns="urn:schemas.fabasoft.com/MailImport">
  <xs:element name="MailList">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="ns:Mail" minOccurs="1" maxOccurs="unbounded"/></xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Mail">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Sent" type="xs:string"/></xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

```

    <xs:element name="Received"
      type="xs:string"></xs:element>
  <xs:element name="File" minOccurs="0">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Name" type="xs:string"></xs:element>
        <xs:element name="Extension" type="xs:string"></xs:element>
        <xs:element name="Content" type="xs:base64Binary"></xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Sender">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Name" type="xs:string" minOccurs="0">
          </xs:element>
        <xs:element name="Address" type="xs:string"></xs:element>
        <xs:element name="Type" type="xs:string" minOccurs="0"></xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="To" type="xs:string"></xs:element>
  <xs:element name="Cc" type="xs:string"></xs:element>
  <xs:element name="Bcc" type="xs:string"></xs:element>
  <xs:element name="Attachments" minOccurs="0" maxOccurs="unbounded">
    <xs:complexType>
      <xs:choice>
        <xs:sequence>
          <xs:element name="Name" type="xs:string"></xs:element>
          <xs:element name="Extension" type="xs:string"></xs:element>
          <xs:element name="Content" type="xs:base64Binary"></xs:element>
        </xs:sequence>
        <xs:element ref="ns:Mail"></xs:element>
      </xs:choice>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```