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# **gs.group.list.email.html Documentation**

*Release 1.2.0*

**GroupServer.org**

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<b>1</b>	<b>Message template</b>	<b>3</b>
1.1	Pre-roll . . . . .	3
1.2	HTML message . . . . .	4
1.3	Links . . . . .	4
<b>2</b>	<b>Adaptor</b>	<b>7</b>
<b>3</b>	<b>Changelog</b>	<b>9</b>
3.1	TODO: 2.0.0 (yyyy-mm-dd) . . . . .	9
3.2	1.2.0 (2015-10-30) . . . . .	9
3.3	1.1.4 (2015-10-13) . . . . .	9
3.4	1.1.3 (2015-09-28) . . . . .	9
3.5	1.1.2 (2015-09-24) . . . . .	9
3.6	1.1.1 (2015-09-21) . . . . .	9
3.7	1.1.0 (2015-09-16) . . . . .	10
3.8	1.0.0 (2015-09-08) . . . . .	10
<b>4</b>	<b>Resources</b>	<b>11</b>
<b>5</b>	<b>Indices and tables</b>	<b>13</b>



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Contents:



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## Message template

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The HTML form of the message is formatted using the standard HTML-email templates <sup>1</sup>. The content is provided by two viewlet managers <sup>2</sup>: one for the *pre-roll* and one for the main *html message*.

```

-HTML message-----
|
| -Pre-roll viewlet manager-----
| | gs.group.list.email.html.interfaces.IPreroll
| -----
|
| -HTML message viewlet manager-----
| | gs.group.list.email.html.interfaces.IHTMLMessage
| |
| | -Prologue viewlet-----
| | | gs-group-list-email-html-prologue
| | -----
| |
| | -Body viewlet-----
| | | gs-group-list-email-html-body
| | -----
| |
| | -Files viewlet-----
| | | gs-group-list-email-html-files
| | -----
| |
| -----
|
| -Links viewlet-----
| | gs-group-list-email-html-links
| -----
|
-----

```

### 1.1 Pre-roll

The pre-roll part of an HTML message is unformatted **hidden** text that is slotted before the rest of the message. It is picked up by email clients that use it for a **summary** (or preview) of the message: think of it like a second subject-line.

The *viewlet manager* `groupserver.EmailHTMLPreroll` (`gs.group.list.email.html.interfaces.IPreroll`) is normally filled by the *File notice* viewlets.

<sup>1</sup> See the `gs.content.email.layout` product <<https://github.com/groupserver/gs.content.email.layout>>

<sup>2</sup> See the `zope.viewlet` product <<https://pypi.python.org/pypi/zope.viewlet/>>

The **File notice** viewlets state that there is one or more files listed in the *files* viewlet:

- One (`gs-group-list-email-html-preroll-file`) provides a short notice that there is *a* file listed in the appendix of a message,
- The other (`gs-group-list-email-html-preroll-files`) provides a short notice that there are *multiple* files listed in the appendix of a message.

There is also a summary provided when there are no files present (`gs-group-list-email-html-preroll-nofile`). It just spells out the origin of the message (the site and group names).

## 1.2 HTML message

The HTML message viewlet manager `groupserver.EmailHTML(gs.group.list.email.html.interfaces.IHTMLMessage)` provides the bulk of what people see in the message. There are three viewlets shipped by default: a *prologue*, the *body* proper, and the *files*.

### 1.2.1 Prologue

The prologue of a message appears at the top of the message body, before the *body* proper. The prologue contains the metadata for the post:

- Who made the post (name and photo),
- The group the post was made to, and
- The topic the group was made to.

It also provides many links to the profile, group, and topic respectively.

### 1.2.2 Body

The *Plan body* (`gs-group-list-email-html-body-plain`) viewlet writes out the body of the post much as it was when it was sent in. It is currently the **text** version of the message, with newlines replaced with `<br />` elements. Like the post on the web, bottom-quoting is removed (replaced with a link to the post).

### 1.2.3 Files

Files are large burden for a list, as they dramatically increase the size of the message for little gain. Because of this the attached files are replaced with *links* to the files on the Web. The *Files list* viewlet (`gs-group-list-email-html-files`) provides this list.

## 1.3 Links

The *Links* (`gs-group-list-email-html-links`) are a group of HTTP and `mailto` links to perform some common functions. The first three links are rendered as buttons, while the last two are rendered as normal links.

**Reply:** The *Reply* link provides a `mailto` URI to send an email to the group with a nice tidy *Subject* header. The link is mostly there to stop the *New topic* link from being confusing: without the *Reply* it looks as if you can only start topics. The link is only shown if the reply-to setting for a group is *group* (the default).

**New topic:** Most people are happy replying to a group using the *Reply* button in their email client. However, many are unaware that they can start topics. To combat this the *New topic* link provides a `mailto` URI to email the group. (Unusually for a GroupServer `mailto` URI the *Subject* is blank.) The *New topic* link is hidden if the reply-to setting for a group is *author*.

**Topic:** The *Topic* link is an HTTP-link to the topic page, just like the topic-title in the *Prologue*.

**Unsubscribe:** As required by legislation, the *Unsubscribe* link removes a person from a group. The link contains a `mailto` URI that sends a message to the group, with the the *Subject* header set to `Unsubscribe`. A `mailto` URI is used — rather than sending the person to the *Leave* page — so passwords do not have to be used.

The *Unsubscribe* email command is processed by `gs.group.member.leave.command`

**Daily digest:** A handy link copied from our friends at [E-Democracy.org](http://E-Democracy.org), the *Digest* a `mailto` URI that points to the group with the *Subject* header set to `Digest on`.

The *Digest on* command is processed by `gs.group.member.email.settings`.



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### Adaptor

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The `message.HTMLMessagePart` class adapts a post (as the context) and a browser request, and provides the `gs.group.list.email.base.interfaces.IMessagePart` interface.

The `message.HTMLMessagePart.show` property returns `True` if the HTML-form of a message should be shown. It looks up the `htmlEmail` property in the `DivisionConfiguration` and the `GlobalConfiguration` objects, with the setting in the former overriding the latter. If the `htmlEmail` property is absent then the default action is taken: show HTML email.

The `message.HTMLMessagePart.as_email()` method returns an instance of the standard `email.mime.text.MIMEText` class, with the MIME-type set to `text/html`. The UTF-8 character-encoding is set.



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Changelog

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### 3.1 TODO: 2.0.0 (yyyy-mm-dd)

- Using the HTML form of an email if present

### 3.2 1.2.0 (2015-10-30)

- Moving the `HTMLBody` and `Matcher` classes to `gs.group.messages.text`

### 3.3 1.1.4 (2015-10-13)

- Following the changes to `gs.group.messages.post.text`
- Using the `mailto` function from `gs.core`

### 3.4 1.1.3 (2015-09-28)

- Adding an `align="left"` for the body of the message

### 3.5 1.1.2 (2015-09-24)

- Dropping the *Reply* and *New topic* links as required by the Reply-to setting for a group
- Updating the documentation

### 3.6 1.1.1 (2015-09-21)

- Fixing the *Subject* header, lowering the case for Google GMail

### 3.7 1.1.0 (2015-09-16)

- Allowing HTML formatted messages to be turned off on a site and install basis

### 3.8 1.0.0 (2015-09-08)

Initial version. Prior to the creation of this product there were no HTML formatted text messages.

The email messages that [GroupServer](#) sends from a group are different from what is received. This product supplies a *message template* for rendering a post in HTML, and *an adaptor* for displaying the HTML version of the post in an email message.

## Resources

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- Code repository: <https://github.com/groupserver/gson.group.list.email.html>
- Questions and comments to <http://groupserver.org/groups/development>
- Report bugs at <https://redmine.iopen.net/projects/groupserver>



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## Indices and tables

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- `genindex`
- `modindex`
- `search`