
gs.group.messages.topic.digest.send Documentation

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GroupServer.org

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The `gs.group.messages.topic.digest.send` product provides the **senddigest** script. This script is used to send out the daily digest of topics once a day, and is normally called by `cron(8)`.

The `gs.group.topic.digest.send` code does only triggers two web-hooks. Both these hooks are provided by the `gs.group.messages.topic.digest.base` product ¹.

Contents:

¹ See <<https://github.com/groupserver/gs.group.messages.topic.digest.base>>

senddigest

1.1 Synopsis

```
senddigest [-h] [-c <CONFIG>] [-i <INSTANCE>] [-v] url
```

1.2 Description

Usually **senddigest** is called by *cron*(8) once a day to send the *daily digest of topics* from GroupServer to all the members of all the groups whose email settings are set to *digest*.

1.3 Positional arguments

url

The URL for the GroupServer site.

1.4 Optional arguments

-h, --help

Show this help message and exit

-c <CONFIG>, --config <CONFIG>

The name of the GroupServer configuration file (default *INSTANCE_HOME/etc/gsconfig.ini*) that contains the token that will be used to authenticate the script when it tries to send the digests.

-i <INSTANCE>, --instance <INSTANCE>

The identifier of the GroupServer instance configuration to use (default *default*).

-v, --verbose

Provide verbose output. The default is to provide no output (no news is good news).

1.5 Returns

The script returns 0 on success, or non-zero on error. In the case of an error, **senddigest** follows the convention specified in */usr/include/sysexits.h*.

gs.group.topic.digest.send code

The code for the script that sends out the digest works in two main stages: first it gets *the list of groups*, and then it *sends a digest*. Both raise the same exceptions.

2.1 The list of groups

The list of groups is retrieved using a web-hook that returns a list of groups as a JSON blob. The `DIGEST_GROUPS_URI` specifies the location of the web-hook, relative to the root of the site, while the `get_digest_groups()` function retrieves the list of groups.

```
gs.group.messages.topic.digest.send.script.DIGEST_GROUPS_URI = u'/gs-group-messages-topic-digest-group'
```

The URL of the web-hook that returns (as a JSON blob) the list of groups that need a digest.

```
gs.group.messages.topic.digest.send.script.get_digest_groups(hostname, token)
```

Get the list of groups to send the digest to.

Parameters

- **hostname** (*str*) – The name of the host to use.
- **token** (*str*) – The token to use for authentication.

Raises `NotOk` – When the page does not return an HTTP 200 status code.

Returns A list of 2-tuples (`siteId`, `groupId`), sorted alphabetically

Return type `tuple`

2.2 Sending a digest

The digest is actually send by a web-hook. This hook is located at `SEND_DIGEST_URI` and is triggered by the `send_digest()` function.

```
gs.group.messages.topic.digest.send.script.SEND_DIGEST_URI = u'/gs-group-messages-topic-digest-send.htm'
```

The URL of the web-hook used to send a digest to a group

```
gs.group.messages.topic.digest.send.script.send_digest(hostname, siteId, groupId, token)
```

Send a digest for a particular group

Parameters

- **hostname** (*str*) – The name of the host to use.

- **siteId**(*str*) – The identifier for the site that contains the group.
- **groupId**(*str*) – The identifier for the group.
- **token**(*str*) – The token to use for authentication.

Raises **NotOk** – When the page does not return an HTTP 200 status code.

2.3 Exceptions

class `gs.group.messages.topic.digest.send.script.NotOk`
Raised when a web-hook does not return a 200 status code

Changelog

3.1 3.1.1 (2015-06-01)

- Fixing a link in the documentation

3.2 3.1.0 (2015-04-20)

- Added the `--verbose (-v)` flag
- Following the split between getting the list of groups, and sending a digest
- Moved the documentation to Read the Docs

3.3 3.0.0 (2015-02-26)

- Renaming the product `gs.group.messages.topic.digest.send` from `gs.group.messages.senddigest`

3.4 2.1.0 (2014-03-26)

- Making the name of the configuration file an optional argument to the script
- Switching to Unicode literals

3.5 2.0.0 (2012-11-30)

Initial import. Prior to the creation of this product the trigger for sending digests was part of `Products.XWFMailinListManager`.

Indices and tables

- `genindex`
- `modindex`
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Resources

- Code repository: <https://github.com/groupserver/gs.group.messages.topic.digest.send>
- Questions and comments to <http://groupserver.org/groups/development>
- Report bugs at <https://redmine.iopen.net/projects/groupserver>

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