



LISTSERV Maestro Admin Tech Doc 18

Subscriber Activity Changelogs

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This document is a LISTSERV Maestro Admin Tech Doc. Each admin tech doc documents a certain facet of the LISTSERV Maestro administration on a technical level. This document is number 18 of the collection of admin tech docs and explains the topic "Subscriber Activity Changelogs".

Last updated for LISTSERV Maestro 7.1-1 on August 25, 2016. The information in this document also applies to later LISTSERV Maestro versions, unless a newer version of the document supersedes it.

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1 Introduction

LISTSERV Maestro offers the option of keeping a changelog of all subscriber activities, i.e. a log of all subscribe, unsubscribe, join, unregister and address-change activities of subscribers and members of subscriber lists and datasets. By default, the subscriber changelog is deactivated.

2 Activating the Changelog

The changelog is activated with the following entry in the `lui.ini`:

```
ChangeLog=true
```

Optionally, a changelog time period can be specified, to determine how often a new changelog is started. Possible time periods are “daily”, “weekly”, “monthly” and “yearly”. The time period is specified after the keyword “true” in the INI-file, separated with a comma, like this:

```
ChangeLog=true,daily
```

If no time period is specified, the default “weekly” will be used, i.e.

```
ChangeLog=true
```

is equivalent to

```
ChangeLog=true,weekly
```

Note: The keywords are not case sensitive, i.e. you can for example also write “True,Yearly” or “TRUE,MONTHLY” or something similar.

Note: If any other value than “true” is specified, the changelog is deactivated. Therefore, you can temporarily deactivate the changelog either by commenting out the “ChangeLog” line, or by changing the value “true” to something else, for example:

```
ChangeLog=false,daily
```

3 Changelog Entries

Each line in the changelog corresponds to one subscriber or member activity. Each line is prefixed with the date and time of the activity, followed by a three letter activity code and activity details. The following activities are logged:

`ADM_ADD D dataset_id email_address`

Logged when a new dataset member was added to a dataset by the data admin:

`dataset_id` The ID of the dataset (an integer number).

`email_address` The e-mail address of the new member.

`SUB_ADD D dataset_id email_address ip_address`

Logged when a new dataset member joined a dataset:

`dataset_id` The ID of the dataset (an integer number).

`email_address` The e-mail address of the new member.

`ip_address` The user's IP-address.

`ADM_DEL D dataset_id email_address`

Logged when a dataset member was deleted from a dataset by the data admin:

`dataset_id` The ID of the dataset (an integer number).

`email_address` The e-mail address of the member that was deleted.

`SUB_DEL D dataset_id email_address ip_address`

Logged when a dataset member unregistered from a dataset:

`dataset_id` The ID of the dataset (an integer number).

`email_address` The e-mail address of the member that was deleted.

`ip_address` The user's IP-address.

`AUT_DEL D dataset_id email_address`

Logged when a dataset member was auto-deleted from a dataset by the system:

`dataset_id` The ID of the dataset (an integer number).

`email_address` The e-mail address of the member that was deleted.

`ADM_ADR D dataset_id old_email_address new_email_address`

Logged when a dataset member's e-mail address was changed by the data admin:

`dataset_id` The ID of the dataset (an integer number).

`old_email_address` The old e-mail address of the member.

`new_email_address` The new e-mail address of the member.

SUB_ADR D *dataset_id old_email_address new_email_address ip_address*

Logged when a dataset member has changed his e-mail address:

dataset_id The ID of the dataset (an integer number).
old_email_address The old e-mail address of the member.
new_email_address The new e-mail address of the member.
ip_address The user's IP-address.

TP_GRANTED *dataset_id email_address ip_address*

Logged when a dataset member grants permission for personal tracking (indicated by setting a dataset profile field with the special type "Tracking Permission" to "true"):

dataset_id The ID of the dataset (an integer number).
email_address The e-mail address of the member.
ip_address Appears only if the member's address was changed because of an active change by the actual user, in which case the user's IP-address is logged. If the member's address was changed by the LISTSERV Maestro data admin, no IP-address is logged.

TP_REVOKED *dataset_id email_address ip_address*

Logged when a dataset member revokes permission for personal tracking (indicated by setting a dataset profile field with the special type "Tracking Permission" to "false"):

dataset_id The ID of the dataset (an integer number).
email_address The e-mail address of the member.
ip_address Appears only if the member's address was changed because of an active change by the actual user, in which case the user's IP-address is logged. If the member's address was changed by the LISTSERV Maestro data admin, no IP-address is logged.

ADM_ADD L *dataset_id list_id email_address*

Logged when a new subscriber was added to a list by the data admin:

dataset_id The ID of the dataset the list belongs to (an integer number).
list_id The ID of the list (an integer number).
email_address The e-mail address of the new subscriber.

SUB_ADD L *dataset_id list_id email_address ip_address*

Logged when a new subscriber subscribed to a list:

dataset_id The ID of the dataset the list belongs to (an integer number).
list_id The ID of the list (an integer number).
email_address The e-mail address of the new subscriber.
ip_address The user's IP-address.

ADM_DEL L *dataset_id list_id email_address*

Logged when a subscriber was deleted from a list by the data admin:

dataset_id The ID of the dataset the list belongs to (an integer number).

list_id The ID of the list (an integer number).

email_address The e-mail address of the subscriber that was deleted.

SUB_DEL L *dataset_id list_id email_address ip_address*

Logged when a subscriber unsubscribed from a list:

dataset_id The ID of the dataset the list belongs to (an integer number).

list_id The ID of the list (an integer number).

email_address The e-mail address of the subscriber that was deleted.

ip_address The user's IP-address.

Note: If the list is an advanced subscriber list (backed by a LISTSERV list) and the user unsubscribed from the list by sending an "unsubscribe" e-mail to LISTSERV, the address "0.0.0.0" is logged, since the real IP-address of the user is not known in this context.

AUT_DEL L *dataset_id list_id email_address*

Logged when a subscriber was auto-deleted from a list by the system:

dataset_id The ID of the dataset the list belongs to (an integer number).

list_id The ID of the list (an integer number).

email_address The e-mail address of the subscriber that was deleted.

In addition to the above entries, the system also writes marker entries to the changelog whenever a backup is performed (i.e. automatically once a day) or restored (i.e. when a backup-restore is initiated by the administrator).