

# IBPMail – Batch Importer/Processor

## GENERALITY

There are situations where you need to create or remove a lot of mailboxes at once. For these situations, entering each mailbox in the Portal (gui) may be not the best option.

The Batch Load (processor), allow to add or remove mailboxes in batch, using a simple mail interface.

## BASIC FLOW

The administrator for the domain prepare a file, containing the user to be added or removed to the system, then it send the file to a specific mail address in the ibpmail.com domain, the file is processed (the process runs every 15 minutes) and a response is sent back to the requestor with the results.

In order to avoid problems with misuse of the system, only specific users can send batch requests, if somebody that is not authorized attempt to send a request, the mail will not be processed and no result is returned.

## CONSTRUCTION OF A BATCH REQUEST

Assuming that you have been authorized to use the system, you'll need to start by preparing the file.

The file should be a .csv file (comma-separated-value), and **must** be named 'batchload.csv', if it has a different name it will be ignored. It can be prepared by hand or can be generated via some sort of automatic procedure (dump of the user database or such). The important thing is that it must be correctly structured.

The file is expected to start with an **headline** containing the list of **fields**. Some fields are mandatory, some are optional.

Mandatory fields are: the *domain*, the *username*, the *type* and the *operation* to perform, if the operation is to add a user, then a *password* field need to be provided.

Optional fields are reported below, those are mostly used to fill in the *whitepage* or for management of mailing lists. Simple operations as add or remove users don't need those fields.

Once the file is ready, it can be sent via mail to [batch\\_load@ibpmail.com](mailto:batch_load@ibpmail.com). The mail **must** have a subject of 'PROCESS', mail with no subject or a wrong subject won't be processed. The mail must also contain the password that needs to be used to authenticate the user to the system and eventually a reference.

The password need to be in clear-text, this isn't very good for a security point of view and we know it, but unfortunately there isn't a better way at the moment.

The "reference" can be anything and is only used to refer to the original request when a result message is generated.

The file must be added to the mail as attachment and *must* be named 'batchload.csv'.

Example of a valid e-mail:

From: [admin@somedomain.com](mailto:admin@somedomain.com)  
To: [batch\\_load@ibpmail.com](mailto:batch_load@ibpmail.com)  
Subject: PROCESS  
Password: thepassforadmin  
Batchload: some-reference-number  
[attachment: batchload.csv]

Example of a valid process file: this file is used to delete 10 users from a domain.

```
DOMAIN;USER;TYPE;ACTION
somedomain.com;user-25222;FULL;DELETE
somedomain.com;user-25545;FULL;DELETE
somedomain.com;user-26038;FULL;DELETE
somedomain.com;user-26268;FULL;DELETE
somedomain.com;user-26751;FULL;DELETE
somedomain.com;user-26955;FULL;DELETE
somedomain.com;user-27189;FULL;DELETE
somedomain.com;user-27195;FULL;DELETE
somedomain.com;user-27385;FULL;DELETE
```

Example for a file to *create* new users:

```
DOMAIN;USER;TYPE;ACTION;PASSWORD
somedomain.com;user-25222;FULL;ADD;somepassword
somedomain.com;user-25545;FULL;ADD;somepassword
somedomain.com;user-26038;FULL;ADD;somepassword
```

In this case an extra field is added to assign a password to the user.

Example of a file to create a new mailing list and add some users to it:

```
DOMAIN;USER;TYPE;ACTION;LIST MEMBER
Somedomain.com;list-25222;LIST;ADD;user-25545 user-26038 user-26268 user-26751
```

In the case of a mailing list, if the list does not exist, it will be created, if the list already exists, the specified users will be added to it. If the operation is 'DELETE' and no users are specified, the whole list will be deleted.

## LIST OF THE POSSIBLE FIELDS

Field name	Mandatory	Description
Domain	Yes	The domain part of the email.
User	Yes	The username (local part of the email)
Type	Yes	Type of user, it can be "full", "forward" or "list" for a mailing list.
Action	Yes	Operation, can be "add", "delete" or "modify".
Password	Yes (for 'add' or 'modify')	The password for the user.
Mailforward	Yes (for 'forward' type)	The mail to forward mail to.
List Member	No	Email of the member of a mailing list, only to use on a "list" type of entry and with 'add' or 'delete'.

Extra field that can be used to fill in the data for the whitepages:

Givenname, Surname, Title, Description, Street, Postalcode, State, Location, Countryname, Organization, OrganizationalUnit, Phone, Fax, Mobile, Initials, Businesscategory, Employeeetype, Labeleduri, Pobox, Postaladdress, Homepostaladdress, Registeredaddress, Homephone, Isdnumber, Pager, Deptno, Employeenumber, Roomnumber, Carlicense, Sipaddress

None of the above field are mandatory.

## RESPONSE

When a file is submitted and is processed, a response is generated. The response is always sent to the same mail address that sent the request. The response can be as simple as "processed ok" or contains error messages.

Common problems are: missing fields in the file, wrong password for the admin user or the file is unreadable for some reason.