

How to transfer configuration from server A to server B (Aleph 21)

This document is designed to aid in one or more of the following situations:

- A library has a test server and production server, and would like to refresh the configuration on the test server from production server.
- A library has a test server and production server, periodically makes changes to test server and wishes to periodically bring those changes to the production server
- A library has one server (server A) and acquires a new server (server B) and wishes to transfer all configuration tables from server A to server B

In the following documentation we will refer to these servers as “server A” and “server B”, with the intention that we are to bring both configuration tables and oracle data from server A to server B.

This document assumes the following prerequisites:

- Libraries have been opened on server A and server B and no error messages have been reported.

For additional information on opening new libraries see the documentation on the Ex Libris Doc Portal in the following locations:

- Tree search - 18/system librarian information/system librarian information – specific topics/opening a new library
- Tree search - how to/system administration

- The same service pack level is present on both servers
- Both servers correctly function before the transfer. That is, the Web OPAC and GUI are functioning and thus the following process is merely transfer configuration tables

To transfer configuration files from server A to server B to as follows:

1. Enter server A to tar and zip the u tree which you will later bring to server B. It is advisable to clean up the u-tree as much as possible before tarring it, especially the scratch/ and files/ directories in each library of the u-tree.
2. `cd $USER_MOUNT` [this will most likely bring you to /exlibris/aleph]
3. `tar -cf u21_1.tar u21_1` [the u21_1 will vary according to installation and version. It may be u21_2

Tar the “u” which appears in `echo $alephe_root`]

4. `gzip u21_1.tar`
5. You now have the following file in `$USER_MOUNT` directory:
`u21_1.tar.gz`
6. ftp the file `u21_1.tar.gz` from server A to server B in binary mode and put it in directory `$USER_MOUNT` on server B
7. Enter server B to unzip and untar file from server A
8. Shutdown ALEPH:
 - a. `$alephe_root/aleph_shutdown`
9. `cd $USER_MOUNT` [this will most likely bring you to `/exlibris/aleph`]
10. `mv u21_1 u21_1.date` [instead of “.date” put the date in whatever format you desire. You are backing up the current u tree so later you can take information from it.]
11. `gzip -d u21_1.tar.gz` [or whatever file you ftp’ed from server A to server B]
12. `tar xf u21_1.tar`
13. You now have all of the configuration files from server A on server B. Now you must change the “server specific” files on server B back to conform to server B
14. Change IP address where applicable Host name in the following files:
 - a. `$alephe_root/aleph_start` to be what it is in `$USER_MOUNT/u21_1.date/alephe/aleph_start`
 - b. `$alephe_root/www_server.conf` to be what it is in `$USER_MOUNT/u21_1.date/alephe/www_server.conf`
 - c. `cp -p $USER_MOUNT/u21_1.date/alephe/tab/license* $alephe_tab/` [return licenses because they have ip addresses]. Do not change the licenses manually; copy them from saved u tree.
 - d. Restore the original server B’s APACHE tree:
 - i. tar Apache directory in the `$USER_MOUNT/u21_1.date/alephe`:
`tar -cf apache.tar apache/`
 - ii. Move `apache.tar` into the new ver 21 tree:
`mv apache.tar /exlibris/aleph/u21_1/alephe`
 - iii. `cd /exlibris/aleph/u21_1/alephe`
Untar: `tar -xvf apache.tar`
 - iv. After copying the apache directory, perform the following:

Clean up the logs directory (`./alephe/apache/logs`) by removing all files (`rm *`).

Recreate the apache links by running the following command from the `apm` directory (get to this directory by typing `apm` at the command line):

```
create_htdocs_links
```

You will be required to restart the Apache server.

15. In `$alephe_root/aleph_start` make sure the `platform_type` parameter is correct. If you copied the file from server A and server B has a different platform type then you will need to change it. You can check parameter in `$USER_MOUNT/u21_1.date/alephe/aleph_start` (which is the previous version before file transfer)

16. Restart processes

a. `$alephe_root/aleph_startup`