



METALIB VERSION 4

How to Remove MetaLib Version 3

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Note:

All operations described in this document require knowledge and experience in operating systems and should be done by qualified staff only.

This document describes how to remove MetaLib version 3 and Oracle 920 with the relevant database.

Note:

Before removing MetaLib 3 or one of its components, perform a full backup of the other versions, products, and databases located on the same server from which the MetaLib version 3 and the relevant database will be removed.

1. Shutdown All Processes for MetaLib Version 3

1.1 Shutdown Apache

Login as user metalib to the relevant instance of version 3 (for example, m3_1).

- To stop the Apache server and SSL for HTTPD_PORT < 1024

If current HTTPD_PORT is lower than 1024, you need root permissions to stop the Apache server. Use command “su” (not “su –”) to get root permissions:

```
>>cd $httpd_root/bin
>>su
Password:  *****
>>./apachectl stop
```

Exit from the root session; continue as user metalib:

```
>>exit
```

- To stop the Apache server and SSL for HTTPD_PORT > 1024
- ```
>>cd $httpd_root/bin
>>./apachectl stop
```

### 1.2 Shutdown MetaLib

To shutdown MetaLib, perform the following commands while still being logged into the relevant instance as user metalib:

```
>>cd $metalib_conf
>>metalib_shutdown
```

Verify that all m3\_N processes have been taken down:

For SUN OS:

```
>>ps -ef | grep m3_N
```

For LINUX OS:

```
>>ps -efw | grep m3_N
```

## 2. Remove MetaLib Version 3 Users from the Database

### Note:

This step should be performed only if the other MetaLib instances use the same database.

In order to check if another instance uses the same database, perform the following commands:

```
grep $ORACLE_SID /exlibris/metalib/m*/metalib_conf/metalib_start
```

### 2.1 Remove Users

Login as user metalib to the relevant instance of version 3 and perform the following:

```
>>sqlplus $METALIB_ADMIN
>>select * from all_users;
>>select * from all_users where USERNAME like 'M3N_%';
```

where N is the number of the instance you are removing.

You get a list of the version's users. For Example:

```
SQL-METALIB_ADMIN> select * from all_users where USERNAME like
'M31_%';
**** Hit return to continue ****
```

| USERNAME  | USER_ID | CREATED   |
|-----------|---------|-----------|
| M31_DAT01 | 76      | 11-APR-05 |
| M31_JNL01 | 77      | 11-APR-05 |
| M31_PDS   | 31      | 05-APR-04 |
| M31_VIR00 | 78      | 11-APR-05 |
| M31_VIR01 | 79      | 11-APR-05 |

5 rows selected

- Run the following command for each user in order to remove the users from the database:

```
>>drop user USERNAME cascade;
```

For example:

```
:
>>drop user M31_JNL01 cascade;
>>drop user M31_PDS cascade;
>>drop user M31_VIR01 cascade;
```

### 3. Delete the MetaLib Version 3 Database

**Note:**

This step should be performed only if no other MetaLib instance uses the same database.

In order to check that no other MetaLib instance is using the same database, perform the following commands:

```
grep $ORACLE_SID /exlibris/metalib/m*/metalib_conf/metalib_start
```

Scripts for removal of the MetaLib version 3 database can be obtained at the Ex Libris FTP server. To receive a password for the Ex Libris FTP server, contact your local support office.

Download the scripts mentioned below to `./exlibris/ftp_from_exlibris` directory:

```
>>cd /exlibris/ftp_from_exlibris
>>ftp ftp.exlibris.co.il
>>user: metal
```

Enter username “metal” and the password for login on the FTP server.

```
>>cd scripts
>>bin
>>get install_ora.tar.gz
>>bye
```

Open the tar files:

```
>>gzip -d install_ora.tar.gz
>>tar -xf install_ora.tar
```

When this operation is finished, the relevant scripts are downloaded into `/exlibris/ftp_from_exlibris/scripts` .

### 3.1 Get Relevant Oracle Definitions

Login as user metalib to the relevant instance of version 3 (for example, m3\_1) and

- Get the database name, relevant Oracle owner and version definitions using the following commands:

```
>>echo $ORACLE_SID
>>echo $ORACLE_OWNER
>>echo $ORACLE_HOME
```

- Check which disk contains the database files by running the following command:

```
>>ls /exli*/oradata
```

You will see a list of drives and the databases that are stored on them.

```
/exlibris/oradata:
meta3/

/exlibris1/oradata:
meta4/ aleph1/
```

For example, if the database name you received when performing the `echo $ORACLE_SID` command, is meta3, the drive you are looking for is exlibris.

The files can also reside on more than one drive.

```
/exlibris/oradata:
meta3/

/exlibris1/oradata:
meta3/ meta4/ aleph1/
```

- Check that no other MetaLib version 3 instance uses the same database. To perform this check, perform the following command:

```
grep $ORACLE_SID /exlibris/metalib/m*/metalib_conf/metalib_start
```

## 4. Remove the Database Files

Connect as user oracle (use the ORACLE\_OWNER name) and remove the database (meta3 in example below):

```
>>su - oracle
>>cd /exlibris/ftp_from_exlibris/scripts/920/create_db
```

Run the following scripts. Be careful to answer the questions in the prompts correctly:

```
>>csch -f clean0.csh (shutdown the meta3 database)
```

The script asks for the Oracle\_SID and for confirmation for shutting down the database.

```
>>su - oracle
>>cd /exlibris/ftp_from_exlibris/scripts/920/create_db
>>csch -f clean1.csh (remove the meta3 database)
```

The script asks for the Oracle\_SID and the Oracle Software Mount Point that should be the base of the \$ORACLE\_HOME parameter value (usually /exlibris). The script also asks for the version of Oracle being removed. This can be found as a three digit number at the end of the \$ORACLE\_HOME parameter value (for MetaLib version 3 - usually 920). It also requests the names of the disks containing the database files (this is the information as that obtained in step 3.1 *Get Relevant Oracle Definitions*).

## 5. Remove the Database Definitions from the oratab File

**Note:**  
**Backup the oratab file before making any changes.**

- Login as root user:

```
>>su
```

For SUN OS:

```
>>cp -p /var/opt/oracle/oratab /var/opt/oracle/oratab.<date>
>>vi /var/opt/oracle/oratab
```

For LINUX OS:

```
>>cp -p /etc/oratab /etc/oratab.<date>
>>vi /etc/oratab
```

- Remove the relevant line (the example below is for database name meta3, using oracle920):

```
meta3:/exlibris/app/oracle/product/920:Y
```

## 6. Remove MetaLib Version 3 Database Definitions from the Listener

**Note:**  
**This step requires a restart of the Web servers for all versions existing on the server after performing the listener restart.**

Login as an oracle9 user (use the ORACLE\_OWNER name defined in MetaLib 3 version):

```
>>su - oracle9
>>cd $ORACLE_HOME/network/admin
```

Save the original files (listener.ora & tnsnames.ora)

```
>>cp -p listener.ora listener.ora.<date>
```



```
>>cp -p tnsnames.ora tnsnames.ora.<date>
```

Modify the files `listener.ora` and `tnsnames.ora`.

Remove the definitions of the deleted database and save the files. The examples below are for the database named `meta3` using oracle 9.

- Remove the following lines from the `tnsnames.ora` file:

```
mldev.meta3batch=(description=
 (address=
 (protocol=ipc)
 (key=meta3))
 (address=
 (protocol=tcp)
 (host=mldev)
 (port=1521))

(connect_data=(service_name=meta3)(server=DEDICATED)))
mldev.meta3=(description=
 (address=
 (protocol=ipc)
 (key=meta3))
 (address=
 (protocol=tcp)
 (host=mldev)
 (port=1521))
 (connect_data=(service_name=meta3.exlibris-
int.il)(server=SHARED)))
```

- Remove the following lines from `listener.ora`:

```
(address=
 (protocol=ipc)
 (key=meta3))

(sid_desc=
 (global_name=meta3.mldev.exlibris-int.il)
 (sid_name=meta3)
 (oracle_home=/exlibris/app/oracle/product/920
)
)
```

Check if the listener is running and restart it. To check whether the listener is running, perform the following commands:

For SUN OS:

```
>>ps -ef | grep tns
```

For Linux OS:

```
>>ps -efw | grep tns
```

- If the server is running shut it down by performing the following command:

```
>>lsnrctl stop
```

- Restart the listener by performing the following command:

```
>>lsnrctl start
```

Check that the listener is running by performing the following command:

```
>>ps -ef | grep tns
```

- Login as user metalib to all other versions and restart the Web servers.

Perform the following commands:

```
>>su - metalib
>>start_w
```

Connect to the Web interface of the other versions and perform a simple search to check that the system is functioning correctly.

## 7. Check .cshrc File Definitions

In case there is another application that uses Oracle 920, login as an oracle9 user and correct the default ORACLE\_SID parameter.

```
>>su - oracle9
>>cd $ORACLE_HOME
>>vi .cshrc
```

Set the ORACLE\_SID to the appropriate database.

## 8. Remove the MetaLib 3 Application (m3\_1 Tree)

### 8.1 Remove MetaLib Version 3 Software Directory

Login as user metalib to the relevant instance of version 3 (for example, m3\_1)

```
>>su - metalib
```

The example below is for m3\_1:

```
>>cd $ML_MOUNT
>>rm -rf m3_1
```

### 8.2 Remove MetaLib Version 3 Logbook

Login as user metalib to the relevant instance of version 3 (for example, m3\_1):

```
>>su - metalib

>>rm logbook.m3.13.m3_1
```

## 9. Remove the Oracle 920 Software (If required)

**Note:**

**Be sure that any other products installed on the server do not use Oracle 920 software.**

Login as user oracle and remove the relevant directory:

```
>>su - oracle
>>rm -rf /exlibris/app/oracle/product/920
```

## 10. Remove MetaLib Version 3 from the Startup Scripts

**Note:**

**This step should only be performed by a System Administrator.**

Login to the relevant instance of version 3 (for example, m3\_1) as user metalib:

```
>>su - metalib
```

Remove all m3\_N and Oracle 920 (if required) occurrences from /exlibris/startup/init.dat. An example below is for m3\_1.

**Note:**

**If Oracle 102 exists on the server, Oracle 920 listener should not be started.**

All strings to be deleted are marked in red:

```
oracle
N:oracle:oracle:/exlibris/app/oracle/product/920
Y:oracle:oracle:/exlibris/app/oracle/product/102

apache
Y:apache:root:httpd:/exlibris/metalib/m3_1:../m3_1:apachectl_auto:apac
chectl
Y:apache:root:httpd:/exlibris/metalib/m3_2:../m3_2:apachectl_auto:apa
chectl

metalib
Y:metalib:metalib:/exlibris/metalib/m3_1:metalib_startup:metalib_shut
down
Y:metalib:metalib:/exlibris/metalib/m3_2:metalib_startup:metalib_shut
down
```

## 11. Remove MetaLib Version 3 from the Initial Login Menu

Login as 'metalib' user to the relevant instance of version 3 (for example, m3\_1).

```
>>su - metalib
```

Make a backup copy of the connection menu:

```
>>cd /exlibris/metalib
>>cp -p def_metalib.dat def_metalib.dat.<date>
```

Remove all m3\_N related definitions. The example below is for installation using m3\_1 instance.

Change the highlighted value to 1.

Remove all definitions highlighted in red:

```
set def=2
```

```
set list="1 2"
```

```
setenv TERM vt220
```

```

```

```
-- #
```

```
#
```

```
#
```

```
1 m3_1 3 11 8331
```

```
#
```

```
2 m3_2 3 13 8992
```

```
#
```

```
set login1="/exlibris/metalib/m3_1"
```

```
set login2="/exlibris/metalib/m3_2"
```