

Maintaining Your Server and Databases

CREATING A DATABASE

If you want to add a new database to a server that is already running other database(s):

1. Open the file `/usr/local/bin/KnowledgeForum/kforumd.conf` in your preferred text editor.
2. Add another database line under Databases.

Example

```
"~/KnowledgeBuildingI";
~/KnowledgeBuildingII";
~/KBC";
```

3. Save and Close `kforumd.conf`.
4. In a terminal:
Type: `cd /usr/local/bin/KnowledgeForum`
5. Type: `./kfcreatedb -s MyDatabase`
Where `MyDatabase` is replaced by the name you added in the `kforumd.conf` file.

Example

```
./kfcreatedb -s KBC
```

6. Type: `killall -HUP kforumd`
This will cause the server to re-read its configuration file, and it will open the newly added database.
7. Type: `exit`

RESTARTING THE SERVER

1. In a terminal:
Type: `cd /usr/local/bin/KnowledgeForum`
2. To start the server running:
Type: `./kforumd -d`
3. Type: `exit`



GETTING STARTED

This Quick Start Card will help you set up a Knowledge Forum server on a Linux server which is using kernel 2.4 or later.

1. Download the Linux server onto your Linux computer.
2. Either log in as root or use the `su` command to obtain root privileges.
3. Type: `tar -xzvCf / KnowledgeForum47-Linux.tgz`
Note: There are spaces around the "/" in the command line.

The files you will see in the KnowledgeForum folder are:

```
admin [KnowledgeForum] : ls -l
total 42616
drwxr-xr-x  2 admin admin    68 Nov 13  2006 AppletDir
-rw-r--r--  1 admin admin 1223497 Aug 31 17:12 Client.jar
drwxr-xr-x 21 admin admin   714 Aug 28 21:47 Languages
drwxr-xr-x  3 admin admin   102 Dec  5  2006 demo
drwxr-xr-x  4 admin admin   136 Aug  1  2006 example
-rwxr-xr-x  1 admin admin  503276 Dec  1  2006 kfbint2text
-rwxr-xr-x  1 admin admin 1497552 Dec 14  2006 kfcreatedb
-rwxr-xr-x  1 admin admin 2706896 Dec 14  2006 kfmigrate
-rwxr-xr-x  1 admin admin 15869228 Aug 31 17:11 kforumd
-rw-r--r--  1 admin admin  10466 Dec 14  2006 kforumd.conf
```

4. You will receive separately a `kforumsn.txt` file that contains your serial number. Put that file in the KnowledgeForum folder as shown below. This `kforumsn.txt` file is required for your server to run.

```
admin [KnowledgeForum] : ls -l
total 42616
drwxr-xr-x  2 admin admin    68 Nov 13  2006 AppletDir
-rw-r--r--  1 admin admin 1223497 Aug 31 17:12 Client.jar
drwxr-xr-x 21 admin admin   714 Aug 28 21:47 Languages
drwxr-xr-x  3 admin admin   102 Dec  5  2006 demo
drwxr-xr-x  4 admin admin   136 Aug  1  2006 example
-rwxr-xr-x  1 admin admin  503276 Dec  1  2006 kfbint2text
-rwxr-xr-x  1 admin admin 1497552 Dec 14  2006 kfcreatedb
-rwxr-xr-x  1 admin admin 2706896 Dec 14  2006 kfmigrate
-rwxr-xr-x  1 admin admin 15869228 Aug 31 17:11 kforumd
-rw-r--r--  1 admin admin  10466 Dec 14  2006 kforumd.conf
-rw-r--r--  1 admin admin    20 Aug 31 17:18 kforumsn.txt
```

USING KNOWLEDGE FORUM

All databases created as described in this Quick Start Card will be available by typing in the name of your server in your browser:

To access the databases in Basic or Enhanced mode, open a browser:

Type: `http://host.domain.edu`

To access the databases in Lite mode:

1. In a browser (you only need to do this once):
Type: `http://host.domain.edu/kforum`
This will create the file: `KnowledgeForum.jnlp` on your machine and launch the Lite version.
2. To restart the Lite version, click `KnowledgeForum.jnlp` to start Knowledge Forum or repeat step 1.

Getting Started



CHANGING THE CONFIGURATION FILE

1. Open the file `/usr/local/bin/KnowledgeForum/kforumd.conf` in your preferred text editor.
2. Find the section called Databases. You will see:

```
"~/example";
```

Change the word "example" to name of the database you want to create.

Example

```
"~/KnowledgeBuildingI";
```

If you will be opening another database, add another line in the same format with different names.

Example

```
"~/KnowledgeBuildingI";
"~/KnowledgeBuildingII";
```

3. Scroll down to "HTTPServer" portion of the `kforumd.conf` file. Replace "host.domain.com" with domain name or IP address of your server machine.

```
Host = "host.domain.com";
```

Example

```
Host = "kforumhost.motion.com";
```

or

Example

```
Host = "12.23.23.12";
```

4. Save and Close `kforumd.conf`.

All databases created as described in this Quick Start Card will be available by typing in the name of your server in your browser:

```
http://host.domain.edu
```

Example

```
http://kforumhost.motion.com
```

Getting Started (continued)



CREATING A DATABASE

1. In a terminal:
Type: `cd /usr/local/bin/KnowledgeForum`
2. To create a database:
Type: `./kfcreatedb -s MyDatabase`
Where `MyDatabase` is replaced by the name you added in the `kforumd.conf` file.

Example

```
./kfcreatedb -s KnowledgeBuildingI
./kfcreatedb -s KnowledgeBuildingII
```

If you don't have 4.5 databases that you want to convert, go to STARTING THE SERVER.



CHANGING A 4.5 DATABASE

1. Make sure you are in terminal and have your 4.5 database in the KnowledgeForum folder
Type: `./kfmigrate -o MyOldDB.kdb -s MyNewDB`

This will create a new database folder called `MyNewDB` in the KnowledgeForum folder containing an empty attachment folder and a file called `tuplstore` (that is the database). You need to manually move all the attachments and the movies into this new attachment folder.



STARTING THE SERVER

1. To start the server:
Type: `./kforumd -d`
This will start the Knowledge Forum Server running as a background process.

Your server should now be running with the databases you have specified. To access *Knowledge Forum*, enter the url of your host machine (`http://host.domain.edu` or `http://host.domain.edu/kforum`) in a browser—see the cover page of this document.

Note: You can add languages, specify that a database group only see their database (if you are running more than one database) and other advanced features. For help, see: the documentation in the `kforumd.conf` file or e-mail: helpdesk@learn.motion.com for more information.