

# GSEC - Firebird User Administration

GSEC is Firebird's command line tool for user administration issues.

All database users are stored in the security database named *security.fdb* in the Firebird directory. There is at least one user, the system database administrator, SYSDBA.

After installation, the SYSDBA password is "masterkey". (Exception: Firebird 1.5 for Linux)

Only the first 8 characters of a password are significant. The password should not contain space characters.

## Invoking GSEC

GSEC can only be run by the SYSDBA.

To use GSEC for the local machine, use:

```
gsec -user sysdba -password <password> [options]
```

To use GSEC for a remote machine, use:

```
gsec -user sysdba -password <password> -database <databasename>
```

where <databasename> is the database name of the remote *security.fdb* database.

You can use GSEC has an interactive command line tool or give all commands on one command line.

## Commands

di[splay]	Displays all users
di[splay] <username>	Displays all information for the given user
a[dd] <username> -pw <password> [options]	Add a new user
mo[dify] <username> [options]	Modify user
de[lete] <username>	Delete user
h[elp]	Display help
?	Display help
q[uit]	Quit interactive mode
z	Display GSEC version number

Wenn you don't want to invoke the interactive mode, you can give all commands directly in the command line. To do that, precede the commands with a dash.

## Options

<code>-pa[ssword] &lt;password&gt;</code>	Password of the user who is performing the change
<code>-user &lt;username&gt;</code>	User name of the user who is performing the change
<code>-pw &lt;password&gt;</code>	Password of target user (or new password)
<code>-fname &lt;first name&gt;</code>	Target user's first name
<code>-mname &lt;middle name&gt;</code>	Target user's middle name
<code>-lname &lt;last name&gt;</code>	Target user's last name

## Examples

### Add user Elvis Presley as user ELVIS, password is "Aaron"

```
gsec -user SYSDBA -password masterkey
```

```
GSEC> add elvis -pw Aaron -fname Elvis -lname Presley
```

```
GSEC> quit
```

### Change password of user ELVIS to "chuck"

```
gsec -user SYSDBA -password masterkey
```

```
GSEC> modify elvis -pw chuck
```

```
GSEC> quit
```

### Change password of SYSDBA from "masterkey" to "MyKey37"

```
gsec -user SYSDBA -password masterkey -modify sysdba -pw MyKey37
```

### Change password of SYSDBA to "hamburg" on remote Linux server "harry"

```
gsec -user SYSDBA -password masterkey -database  
harry:/opt/firebird/security.fdb -modify sysdba -pw hamburg
```

### **Change password of SYSDBA on remote Windows server "sally" to "hannover"**

```
gsec -user SYSDBA -password masterkey -database sally:"C:\Program  
Files\Firebird\security.fdb" -modify sysdba -pw hannover
```

### **Change password of SYSDBA on remote server "jake" on TCP port 3051 to "london"**

```
gsec -user SYSDBA -password masterkey -database  
jake/3051:/opt/firebird/security.fdb" -modify sysdba -pw london
```

### **Delete user Joe on local server**

```
gsec -user SYSDBA -password masterkey -delete joe
```

## **Notes**

On Borland InterBase systems, the security database is named isc4.gdb.

There will be a warning when a new password is longer than 8 characters.

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