

Introduction to phpMyAdmin

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- Web Site

- <http://www.phpmyadmin.net/>

- Installation

- Method 1: RPM package distribution
 - Fedora package is `phpMyAdmin`
 - As root, from the terminal execute `yum install phpMyAdmin`
 - Dependencies will be installed for you
 - Method 2: From web site distribution
 - Download zip archive
 - As regular user, unzip into `/home`
 - As root, unzip into `/usr/local` or `/opt`
 - Additionally must manually configure Apache `httpd.conf` with `<VirtualHost>` container for phpMyAdmin

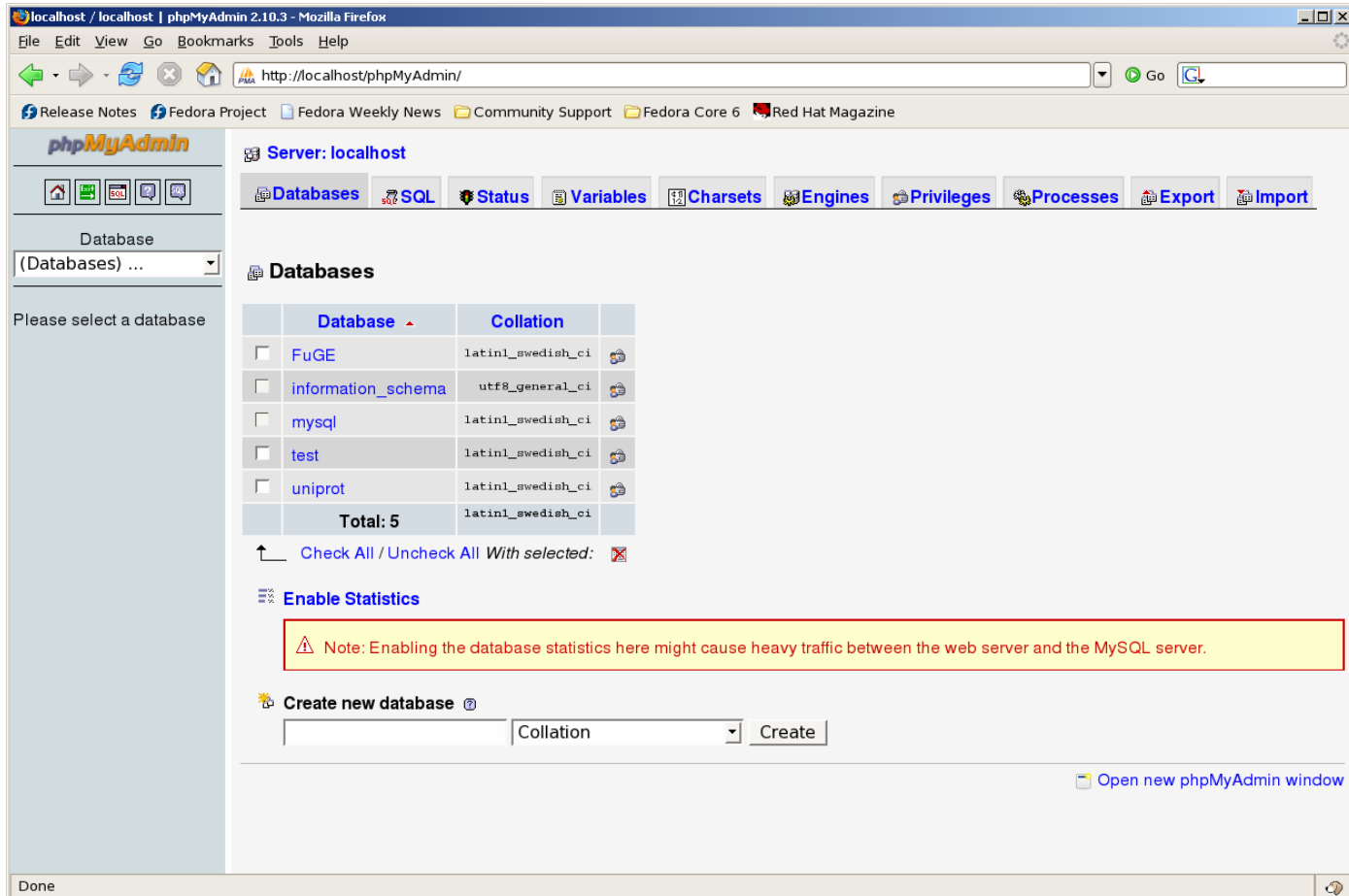
- **Configuration**

- **Important files:**

- `/etc/httpd/conf.d/phpMyAdmin.conf` **Apache VirtualHost setup**
 - `/usr/share/phpMyAdmin/config.inc.php` **phpMyAdmin configuration**
 - `/etc/php.ini` **General PHP configuration**
 - **For security reasons phpMyAdmin can only be used from localhost by default. You might have to change the `phpMyAdmin.conf` file to allow from IPv6 socket `::1` for localhost instead of `127.0.0.1` so look at `/etc/hosts` to see what localhost refers to.**

- phpMyAdmin

SHOW DATABASES ;



localhost / localhost | phpMyAdmin 2.10.3 - Mozilla Firefox

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http://localhost/phpMyAdmin/

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phpMyAdmin

Server: localhost

Databases SQL Status Variables Charsets Engines Privileges Processes Export Import

Database
(Databases) ...

Please select a database

Databases

	Database	Collation	
<input type="checkbox"/>	FuGE	latin1_swedish_ci	
<input type="checkbox"/>	information_schema	utf8_general_ci	
<input type="checkbox"/>	mysql	latin1_swedish_ci	
<input type="checkbox"/>	test	latin1_swedish_ci	
<input type="checkbox"/>	uniprot	latin1_swedish_ci	
	Total: 5	latin1_swedish_ci	

↑ Check All / Uncheck All With selected: ☐

Enable Statistics

Note: Enabling the database statistics here might cause heavy traffic between the web server and the MySQL server.

Create new database

Collation Create

Open new phpMyAdmin window

Done

- phpMyAdmin

```
SHOW STATUS;
SHOW INNODB STATUS;
```

The screenshot shows the phpMyAdmin 2.10.3 interface in a Mozilla Firefox browser window. The address bar shows `http://localhost/phpMyAdmin/`. The interface includes a sidebar with navigation icons and a main content area. The main content area displays the 'Server: localhost' status, including runtime information and server traffic statistics.

Runtime Information

[Refresh] [Reset] [MySQL - Documentation]

This MySQL server has been running for 0 days, 0 hours, 10 minutes and 6 seconds. It started up on Aug 28, 2007 at 07:56 AM.

[InnoDB] [NDB] [SSL] [Handler] [Query cache] [Threads] [Binary log] [Temporary data] [Delayed inserts] [Key cache] [Joins] [Replication] [Sorting] [Tables] [Transaction coordinator]

Server traffic: These tables show the network traffic statistics of this MySQL server since its startup.

Traffic	per hour	Connections	per hour	%
Received	7,690 B	max. concurrent connections	2	...
Sent	122 KiB	Failed attempts	0	0.00 0.00%
Total	129 KiB	Aborted	0	0.00 0.00%
		Total	13	77.23 100.00%

Query statistics: Since its startup, 201 queries have been sent to the server.

Total	per hour	per minute	per second
201	1.19 k	19.90	0.00 k

Query type	per hour	%	Query type	per hour	%
admin commands	0	0.00 0.00%	savepoint	0	0.00 0.00%

- phpMyAdmin

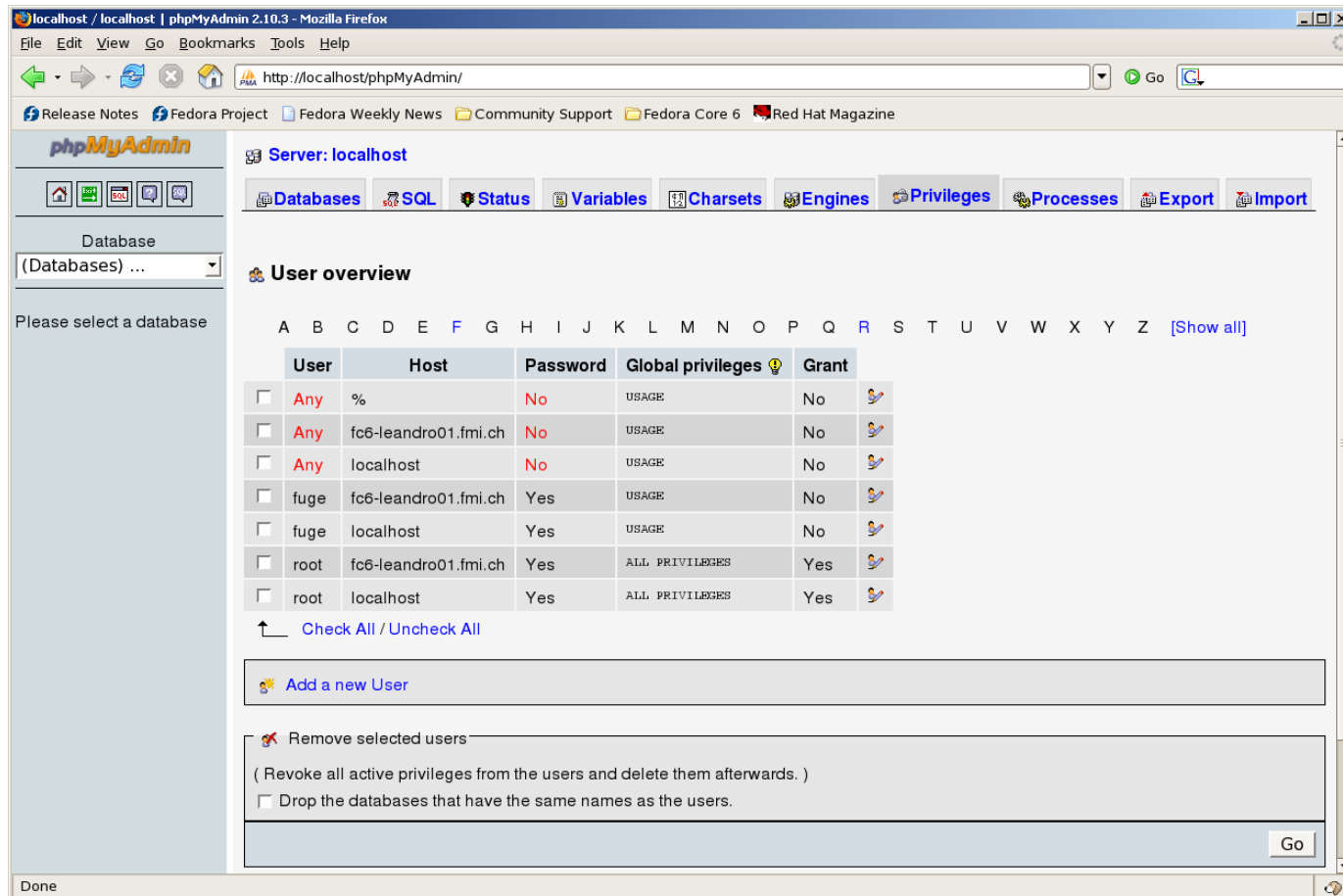
SHOW VARIABLES ;

The screenshot shows the phpMyAdmin 2.10.3 interface in a Mozilla Firefox browser window. The address bar shows 'http://localhost/phpMyAdmin/'. The left sidebar contains a 'Database' dropdown menu with '(Databases) ...' selected and a 'Please select a database' message. The main content area displays 'Server: localhost' and a navigation bar with tabs for Databases, SQL, Status, Variables, Charsets, Engines, Privileges, Processes, Export, and Import. The 'Variables' tab is active, showing 'Server variables and settings' as a table.

Variable	Session value / Global value
auto increment increment	1
auto increment offset	1
automatic sp privileges	ON
back log	50
basedir	/opt/mysql-5.0.37-linux-i686-glibc23/
binlog cache size	32,768
bulk insert buffer size	8,388,608
character set client	utf8
(Global value)	latin1
character set connection	utf8
(Global value)	latin1
character set database	latin1
character set filesystem	binary
character set results	utf8
(Global value)	latin1
character set server	latin1

- phpMyAdmin

```
GRANT privilege1, privilege2, ... ON ... TO user@hostname [ identified by password ];  
REVOKE privilege1, privilege2, ... ON ... FROM user@hostname [ identified by password ];
```



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http://localhost/phpMyAdmin/

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phpMyAdmin

Database
(Databases) ...

Please select a database

Server: localhost

Databases SQL Status Variables Charsets Engines Privileges Processes Export Import

User overview

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [Show all]

	User	Host	Password	Global privileges ?	Grant
<input type="checkbox"/>	Any	%	No	USAGE	No
<input type="checkbox"/>	Any	fc6-leandro01.fmi.ch	No	USAGE	No
<input type="checkbox"/>	Any	localhost	No	USAGE	No
<input type="checkbox"/>	fuge	fc6-leandro01.fmi.ch	Yes	USAGE	No
<input type="checkbox"/>	fuge	localhost	Yes	USAGE	No
<input type="checkbox"/>	root	fc6-leandro01.fmi.ch	Yes	ALL PRIVILEGES	Yes
<input type="checkbox"/>	root	localhost	Yes	ALL PRIVILEGES	Yes

↑ Check All / Uncheck All

Add a new User

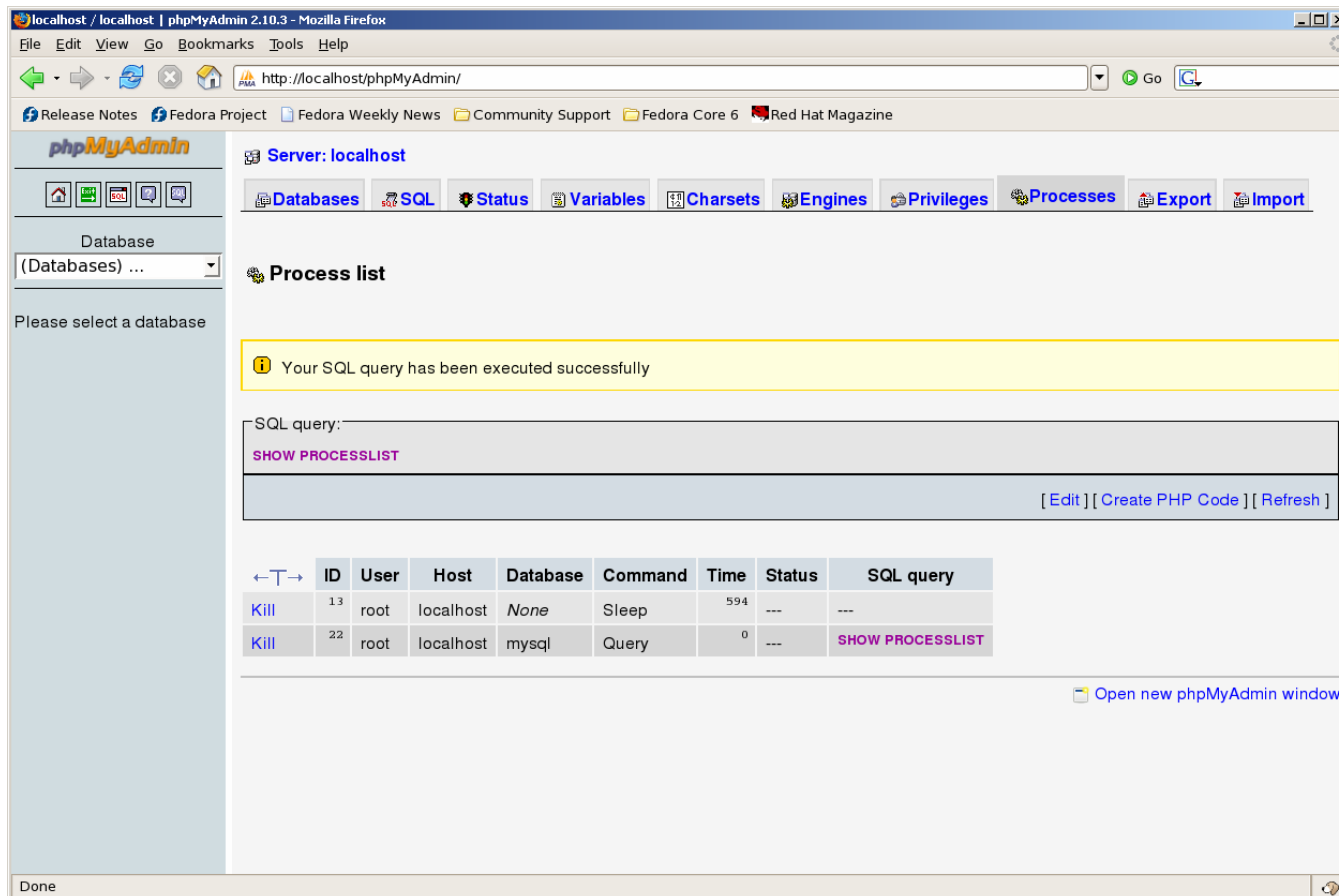
Remove selected users
(Revoke all active privileges from the users and delete them afterwards.)
☐ Drop the databases that have the same names as the users.

Go

Done

- phpMyAdmin

```
SHOW PROCESSLIST;  
SHOW FULL PROCESSLIST;
```



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phpMyAdmin

Server: localhost

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Database
(Databases) ...

Please select a database

Process list

Your SQL query has been executed successfully

SQL query:
SHOW PROCESSLIST

[Edit] [Create PHP Code] [Refresh]

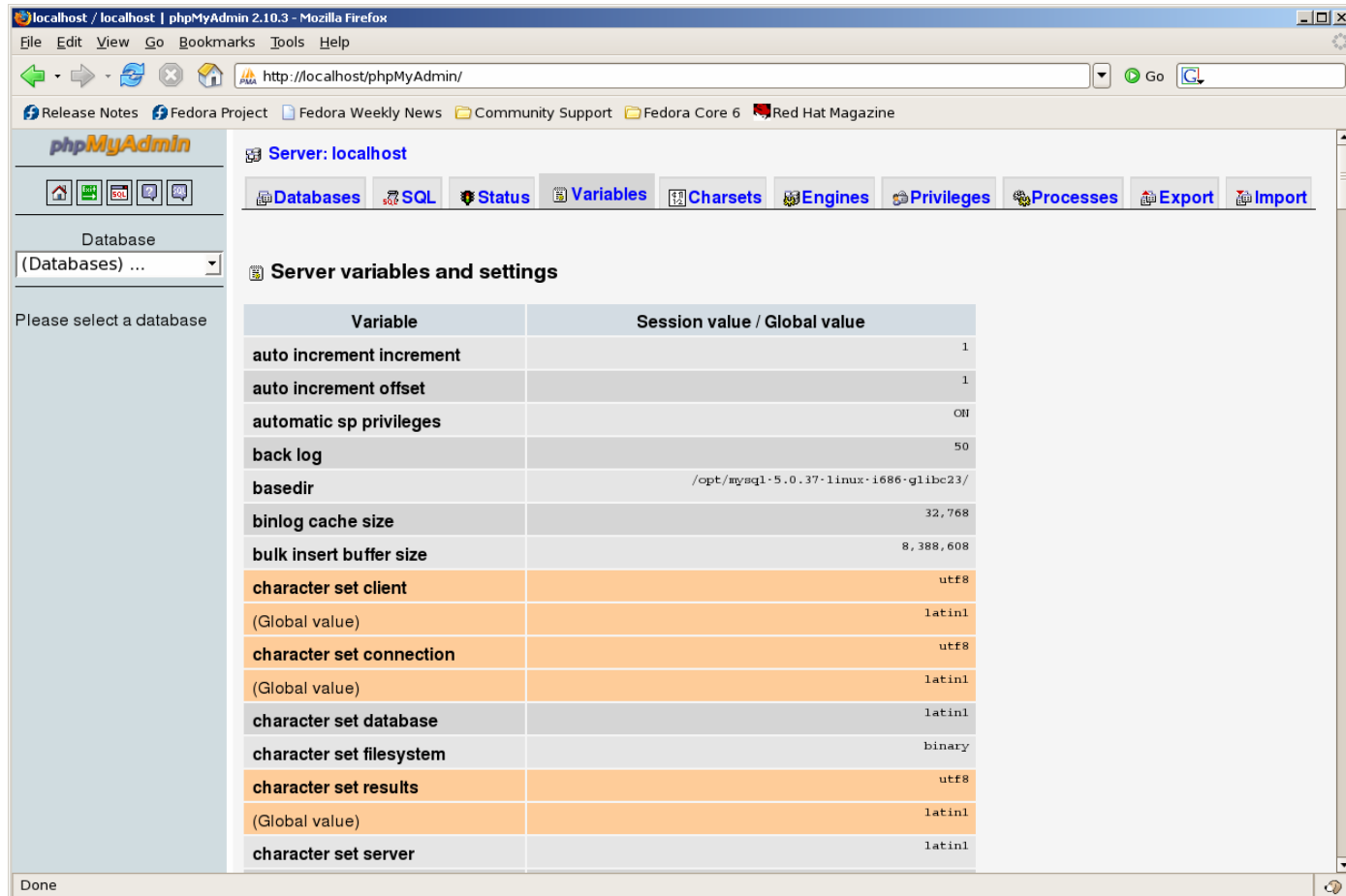
	ID	User	Host	Database	Command	Time	Status	SQL query
Kill	13	root	localhost	None	Sleep	594	---	---
Kill	22	root	localhost	mysql	Query	0	---	SHOW PROCESSLIST

Open new phpMyAdmin window

Done

- phpMyAdmin

```
[user@computer ~]$ mysqldump -u username -h host -p password database > export.sql
```



Variable	Session value / Global value
auto increment increment	1
auto increment offset	1
automatic sp privileges	ON
back log	50
basedir	/opt/mysql-5.0.37-linux-i686-glibc23/
binlog cache size	32,768
bulk insert buffer size	8,388,608
character set client	utf8
(Global value)	latin1
character set connection	utf8
(Global value)	latin1
character set database	latin1
character set filesystem	binary
character set results	utf8
(Global value)	latin1
character set server	latin1

- phpMyAdmin

```
[user@computer ~]$ mysql -u username -h host -ppassword -D database < import.sql
```

```
USE database_name;  
SOURCE import.sql;
```

