SU Exec CGI a PHP skriptů

Apache multiuser MPM

Install **apache2-mpm-itk** package. Then you can set different users/groups in apache's sites-available. Nice bonus is that you can also set custom nice value and limit number of parallel clients for each site:

```
        <IfModule mpm_itk_module>
                AssignUserID myusername www-data
                #MaxClientsVHost 10
                #NiceValue 6
        </IfModule>
```

Lighttpd

For lighttpd you can use CGI wrapper (you have to compile it by yourself). First enable **mod_cgi** and then assign .php to desired wrapper. Also be sure that you are not using *mod_fastcgi* (well... while not completely unreal, it's probably not easy or desirable to wrap fastcgi).

lighttpd.conf

```
cgi.assign      = (
            #".pl"  => "/usr/bin/perl",
            #".cgi" => "/usr/bin/perl",
            ".php"  => "/usr/local/bin/php-cgi-su",
)
```

CGI SU Exec wrapper code

Source: https://github.com/Harvie/Programs/tree/master/c

php-cgi-su.c

```
/*
 * SU-EXEC Wrapper
 * Execute script under it's owner's privileges
 * CopyLefted by: Harvie 2oo9
*/

#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
```

```c
#include <sys/types.h>
#include <sys/stat.h>
#include <pwd.h>
#include <grp.h>

#define INTERPRETER "/usr/bin/php-cgi"
//#define INTERPRETER "/usr/bin/perl"

void auth_fail() {
    puts("Error: Permission denied!\n");
    exit(-1);
}

int main(int argc, char **argv, char **environ) {
    if(argc != 2) { //Do not accept more than one argument
        printf(
            "SetUID wrapper for %s interpretter\n"
            "Usage: %s script\n\n",
            INTERPRETER, argv[0]
        );
        return -1;
    }
    struct stat st;
    if(!stat(argv[1], &st)) {
        //Get user info
            struct passwd *pw;
            if(!(pw = getpwuid(st.st_uid))) auth_fail();
        //Change groups
            if(initgroups(pw->pw_name, pw->pw_gid)) auth_fail();
        //Change UID a GID
            if(setgid(pw->pw_gid)) auth_fail();
            if(setegid(pw->pw_gid)) auth_fail();
            if(setuid(pw->pw_uid)) auth_fail();
            if(seteuid(pw->pw_uid)) auth_fail();
        //Fail if still have root privileges
            if(getuid() == 0 || getgid() == 0) auth_fail();
        //Launch binary
            return(execve(INTERPRETER, argv, environ));
    } else {
        printf("Error: Can't stat file: %s\n\n", argv[1]);
        return -1;
    }
}
```

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