

NAME

mod_security – Security Audit and Trailing Functionality

DESCRIPTION

Security Audit and Trailing Functionality

EXPORTS

block_user(User, Port, Dir, Seconds) -> true | {error, Reason}

block_user(User, Address, Port, Dir, Seconds) -> true | {error, Reason}

Types:

User = string()
 Port = integer()
 Address = {A,B,C,D} | string() | undefined
 Dir = string()
 Seconds = integer() | infinity
 Reason = no_such_directory

block_user/4 and *block_user/5* each blocks the user *User* from directory *Dir* for a specified amount of time.

list_auth_users(Port) -> Users | []

list_auth_users(Address, Port) -> Users | []

list_auth_users(Port, Dir) -> Users | []

list_auth_users(Address, Port, Dir) -> Users | []

Types:

Port = integer()
 Address = {A,B,C,D} | string() | undefined
 Dir = string()
 Users = list() = [string()]

list_auth_users/1, *list_auth_users/2*, and *list_auth_users/3* each returns a list of users that are currently authenticated. Authentications are stored for *SecurityAuthTimeout* seconds, and then discarded.

list_blocked_users(Port) -> Users | []

list_blocked_users(Address, Port) -> Users | []

list_blocked_users(Port, Dir) -> Users | []

list_blocked_users(Address, Port, Dir) -> Users | []

Types:

Port = integer()
 Address = {A,B,C,D} | string() | undefined
 Dir = string()
 Users = list() = [string()]

list_blocked_users/1, *list_blocked_users/2*, and *list_blocked_users/3* each returns a list of users that are currently blocked from access.

unblock_user(User, Port) -> true | {error, Reason}

unblock_user(User, Address, Port) -> true | {error, Reason}

unblock_user(User, Port, Dir) -> true | {error, Reason}

unblock_user(User, Address, Port, Dir) -> true | {error, Reason}

Types:

User = string()
 Port = integer()
 Address = {A,B,C,D} | string() | undefined



```
Dir = string()  
Reason = term()
```

unlock_user/2, *unlock_user/3*, and *unlock_user/4* each removes the user *User* from the list of blocked users for *Port* (and *Dir*).

SECURITYCALLBACKMODULE

The *SecurityCallbackModule* is a user-written module that can receive events from the *mod_security* Erlang web server API module. This module only exports the functions *event/[4,5]* which are described here.

EXPORTS

Module:event(What, Port, Dir, Data) -> ignored

Module:event(What, Address, Port, Dir, Data) -> ignored

Types:

```
What = atom()  
Port = integer()  
Address = {A,B,C,D} | string() <v> Dir = string()  
Data = [Info]  
Info = {Name, Value}
```

event/4 or *event/5* is called whenever an event occurs in the *mod_security* Erlang web server API module. (*event/4* is called if *Address* is undefined, otherwise *event/5*. Argument *What* specifies the type of event that has occurred and is one of the following reasons:

auth_fail:

A failed user authentication.

user_block:

A user is being blocked from access.

user_unblock:

A user is being removed from the block list.

Note:

The event *user_unblock* is not triggered when a user is removed from the block list explicitly using the *unlock_user* function.

