group Module

Jan Janak
FhG FOKUS

Edited by

Jan Janak

group Module

Edited by and Jan Janakand Jan Janak

Copyright © 2003 FhG FOKUS

Revision History

Revision $Revision: 1.1 $ $Date: 2003/07/15 07:52:16 $

Table of Contents

1. User's Guide **1**
1.1. Overview 1
1.2. Dependencies 1
1.2.1. SER Modules 1
1.2.2. External Libraries or Applications 1
1.3. Exported Parameters 1
1.3.1. `db_url` (string) 1
1.3.2. `table` (string) 1
1.3.3. `user_column` (string) 2
1.3.4. `domain_column` (string) 2
1.3.5. `group_column` (string) 2
1.3.6. `use_domain` (integer) 3
1.4. Exported Functions 3
1.4.1. `is_user_in(URI, group)` 3
2. Developer's Guide **4**
3. Frequently Asked Questions **5**

List of Examples

1-1. Set `db_url` parameter 1
1-2. Set `table` parameter 2
1-3. Set `user_column` parameter 2
1-4. Set `domain_column` parameter 2
1-5. Set `group_column` parameter 2
1-6. Set `use_domain` parameter 3
1-7. `is_user_in` usage 3

Chapter 1. User's Guide

1.1. Overview

This module export functions necesarry for group membership checking. There is a database table that contains list of users and groups they belong to. The table is used by functions of this module.

1.2. Dependencies

1.2.1. SER Modules

The following modules must be loaded before this module:

- A database module.

1.2.2. External Libraries or Applications

The following libraries or applications must be installed before running SER with this module loaded:

- *None*.

1.3. Exported Parameters

1.3.1. `db_url` (string)

URL of the database table to be used.

Default value is "sql://serro:47serro11@localhost/ser".

Example 1-1. Set `db_url` parameter

```
...
modparam("group", "db_url", "sql://username:password@dbhost/ser")
...
```

1.3.2. `table` (string)

Name of the table holding groups and their members.

Default value is "grp".

Example 1-2. Set `table` parameter

```
...
modparam("group", "table", "grp_table")
...
```

1.3.3. `user_column` (string)

Name of the column holding usernames.

Default value is "username".

Example 1-3. Set `user_column` parameter

```
...
modparam("group", "user_column", "user")
...
```

1.3.4. `domain_column` (string)

Name of the column holding domains.

Default value is "domain".

Example 1-4. Set `domain_column` parameter

```
...
modparam("group", "domain_column", "realm")
...
```

1.3.5. `group_column` (string)

Name of the column holding groups.

Default value is "grp".

Example 1-5. Set `group_column` parameter

```
...
modparam("group", "group_column", "grp")
...
```

1.3.6. `use_domain` (integer)

If set to 1 then username@domain will be used for lookup, if set to 0 then only username will be used.

Default value is 0 (no).

Example 1-6. Set `use_domain` parameter

```
...
modparam("group", "use_domain", 1)
...
```

1.4. Exported Functions

1.4.1. `is_user_in(URI, group)`

The function returns true if username in the given URI is member of the given group and false if not.

Meaning of the parameters is as follows:

- *URI* - URI whose username and optionally domain to be used, this can be one of:
  - Request-URI - Use Request-URI username and (optionally) domain.
  - To - Use To username and (optionally) domain.
  - From - Use From username and (optionally) domain.
  - Credentials - Use digest credentials username.
- *group* - Name of the group to check.

Example 1-7. `is_user_in` usage

```
...
if (is_user_in("Request-URI", "ld")) {
    ...
};
...
```

Chapter 2. Developer's Guide

The module does not provide any sort of API to use in other SER modules.

Chapter 3. Frequently Asked Questions

1. Where can I find more about SER?

Take a look at http://iptel.org/ser.

2. Where can I post a question about this module?

First at all check if your question was already answered on one of our mailing lists:

- http://mail.iptel.org/mailman/listinfo/serusers
- http://mail.iptel.org/mailman/listinfo/serdev

E-mails regarding any stable version should be sent to <serusers@iptel.org> and e-mail regarding development versions or CVS snapshots should be send to <serdev@iptel.org>.

If you want to keep the mail private, send it to <serhelp@iptel.org>.

3. How can I report a bug?

Please follow the guidelines provided at: http://iptel.org/ser/bugs