vm Module

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Chapter 1. User's Guide

1.1. Overview

VM module enables the communication between SER and Sems through FIFO calls and server functions.

The voicemail application is available at http://developer.berlios.de/projects/sems/

See its README for details on how to couple it with vm module.

If you need some help or just to report some bug, email the author at raphael.coeffic@iptel.org.

1.2. Dependencies

1.2.1. SER Modules

The following modules must be loaded before this module:

- *tm - Transaction Module*.
- *A SER 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 mysql database used to retrieve users.

Default value is "sql://ser:heslo@localhost/ser".

Example 1-1. Set `db_url` parameter

```
...
modparam("vm", "db_url", "sql://username:password@localhost/ser")
...
```

1.3.2. `email_column` (string)

Column name in subscriber table.

Default value is "email_address".

Example 1-2. Set `email_column` parameter

```
...
modparam("vm", "email_column", "email")
...
```

1.3.3. `subscriber_table` (string)

Table name of subscriber profiles.

Default value is "subscriber".

Example 1-3. Set `subscriber_table` parameter

```
...
modparam("vm", "subscriber_table", "subscriber")
...
```

1.3.4. `user_column` (string)

Column name of user id in subscriber profile.

Default value is "username".

Example 1-4. Set `user_column` parameter

```
...
modparam("vm", "user_column", "username")
...
```

1.3.5. `domain_column` (string)

Column name of domain in subscriber profile. Enable only with MULTI_DOMAIN def.

Default value is "domain".

Example 1-5. Set `domain_column` parameter

```
...
modparam("vm", "domain_column", "domain")
...
```

1.4. Exported Functions

The function should only get called within a transaction.

1.4.1. `vm(path, appname)`

Relays a SIP request to the voicemail system.

Meaning of the parameters is as follows:

- *path* - Voicemail fifo path.
- *appname* - Application name to execute on Sems.

Example 1-6. `vm` usage

```
...
vm("/tmp/vm_fifo", "voicemail");
...
```

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