

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 "mysql://ser:heslo@localhost/ser".

Example 1-1. Set db_url parameter

```
...  
modparam("vm", "db_url", "mysql://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>](mailto:serusers@iptel.org) and e-mail regarding development versions or CVS snapshots should be sent to [<serdev@iptel.org>](mailto:serdev@iptel.org).

If you want to keep the mail private, send it to [<serhelp@iptel.org>](mailto:serhelp@iptel.org).

3. How can I report a bug?

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