

# **vm Module**

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Revision History

Revision \$Revision: 1.1 \$ \$Date: 2003/07/24 13:12:02 \$

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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](mailto: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>