Custom STMPd

Frederico Falcao

v0.1
Out 2019

1 Intro

This project builds a STMP server on ubuntu, to host a private mail server.
The idea is to filter emails and redirect stuff based on sql rules.

The server is run on a public GitHub project : "Guerrilla STMPd" writen in PHP.

Why?

1. Avoid a lot of spam, given simple rules

2. Create PDFs from newsletters, and upload them to Dropbox to be synched with Sony DPT

2   code

```php
<?php
$code = file_get_contents(__FILE__);        // 1. Get this file as string
$code = substr($code, __COMPILER_HALT_OFFSET__);  // 2. Filter only the second part of the
     file
$code_shortcuts = [           // 3. List all the code shortcuts
  "ak"  => "array_keys",
  "im"  => "implode",
  "am"  => "array_map",
  "fn"  => "function",
  "rt"  => "return",
];
             // 4. Replace the shortcuts with actual keywords
$code = str_replace(array_keys($code_shortcuts),$code_shortcuts,$code);
$tmp_file = exec("mktemp");         // 5. Create temporary file
file_put_contents($tmp_file, $code);        // 6. Output: write the produced code to the temp
     file
include $tmp_file;           // 7. Execute: parse the temporary file
system("rm $tmp_file");          // 8. Clean-up: remove the temporary file
die();            // 9. exit
__halt_compiler();

<?php
$cols = [
  'mail_id' =>'int(11)',
  'date'     =>'datetime',
  'from'     =>'varchar(128)',
  'to'     =>'varchar(128)',
  'subject' =>'varchar(255)',
  'body'     =>'text',
  'charset' =>'varchar(32)',
  'mail'     =>'longblob',
  'spam_score'  =>'float',
  'hash'     =>'char(32)',
  'content_type'  =>'varchar(64)',
  'recipient' =>'varchar(128)',
  'has_attach'  =>'int(11)',
  'ip_addr' =>'varchar(64)'

];

include "initCode.sql";
?>
```