

Apache2: Web Mail: RoundCube2022/05/17

Install RoundCube to configure web-based mail transfer System. On this example, it uses 2 servers like follows to configure RoundCube Mail.

- [1] Install and Configure SMTP Server, refer to here.
- [2] Install and Configure IMAP Server, refer to here.
- [3] Configure SSL/TLS settings for SMTP/IMAP Server, refer to here. (Optional)
- [4] Install PHP on Apache2 Server, refer to here.
- [5] Configure SSL/TLS settings on Apache2 Server, refer to here.
- [6] Install and Configure MariaDB Server on httpd Server, refer to here.
- [7] Create a Database for RoundCube.

root@www:~# mysql

```
Welcome to the MariaDB monitor. Commands end with; or \g.
Your MariaDB connection id is 37
Server version: 10.6.7-MariaDB-2ubuntu1 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

# create [roundcube] database
# replace [password] to your own password you'd like to set
MariaDB [(none)]> create database roundcube;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> grant all privileges on roundcube.* to roundcube@'localhost' identified by 'password';
Query OK, 0 rows affected (0.00 sec)
```

```
5/10/24, 6:15 PM
 MariaDB [(none)]> exit
 Bve
 [8] Install and Configure RoundCube.
 root@www:~#
 apt -y install roundcube roundcube-mysql
 # select [No] on this example (set manually later)
    The roundcube package must have a database installed and configured
     before it can be used. This can be optionally handled with
     dbconfig-common.
     If you are an advanced database administrator and know that you want to
     perform this configuration manually, or if your database has already
     been installed and configured, you should refuse this option. Details
on what needs to be done should most likely be provided in
     /usr/share/doc/roundcube.
     Otherwise, you should probably choose this option.
     Configure database for roundcube with dbconfig-common?
                                                            <No>
                            <Yes>
 root@www:~#
 cd /usr/share/dbconfig-common/data/roundcube/install
 root@www:/usr/share/dbconfig-common/data/roundcube/install#
 mysql -u roundcube -p < mysql
 Enter password:
 # MariaDB roundcube password
 root@www:/usr/share/dbconfig-common/data/roundcube/install#
 cd
 root@www:~#
  vi /etc/roundcube/debian-db.php
 // set database info
 $dbuser=
 roundcube
 $dbpass='
 password
  $basepath=";
 $dbname=
 roundcube
  $dbserver='localhost';
 $dbport='3306';
 $dbtype='
 mysql
 root@www:~#
 vi /etc/roundcube/config.inc.php
 // line 36 : specify IMAP server (STARTTLS setting)
 $config['default host'] = 'tls://mail.srv.world';
 // line 50 : specify SMTP server (STARTTLS setting)
  $config['smtp_server'] = 'tls://mail.srv.world';
 // line 53 : specify SMTP port (STARTTLS setting)
 $config['smtp_port'] = 587;
 // line 57 : change (use the same user for SMTP auth and IMAP auth)
 $config['smtp_user'] = '%u';
 // line 61 : change (use the same password for SMTP auth and IMAP auth)
 $config['smtp_pass'] = '%p';
 // line 68 : change to any title you like
 $config['product name'] = 'Server World Webmail';
```

// add follows to the end

// specify IMAP port (STARTTLS setting)

```
$config['default_port'] = 143;
// specify SMTP auth type
$config['smtp_auth_type'] = 'LOGIN';
// specify SMTP HELO host
$config['smtp_helo_host'] = 'mail.srv.world';
// specify domain name
$config['mail_domain'] = 'srv.world';
// specify UserAgent
$config['useragent'] = 'Server World Webmail';
// specify SMTP and IMAP connection option
$config['imap_conn_options'] = array(
  'ssl'
                => array(
    'verify_peer' => true,
'CN_match' => 'srv.world',
    'allow_self_signed' => true,
    'ciphers' => 'HIGH:!SSLv2:!SSLv3',
  ),
);
$config['smtp_conn_options'] = array(
  'ssl'
                => array(
    'verify_peer' => true,
    'CN_match' => 'srv.world',
    'allow_self_signed' => true,
    'ciphers' => 'HIGH:!SSLv2:!SSLv3',
  ),
);
root@www:~#
vi /etc/apache2/conf-enabled/roundcube.conf
# line 3: uncomment
```

Alias /roundcube /var/lib/roundcube/public_html # line 11: change access permission if need

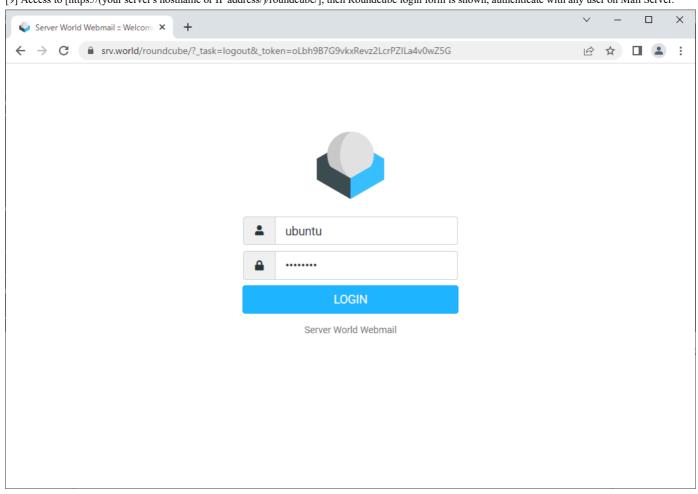
Require

ip 127.0.0.1 10.0.0.0/24

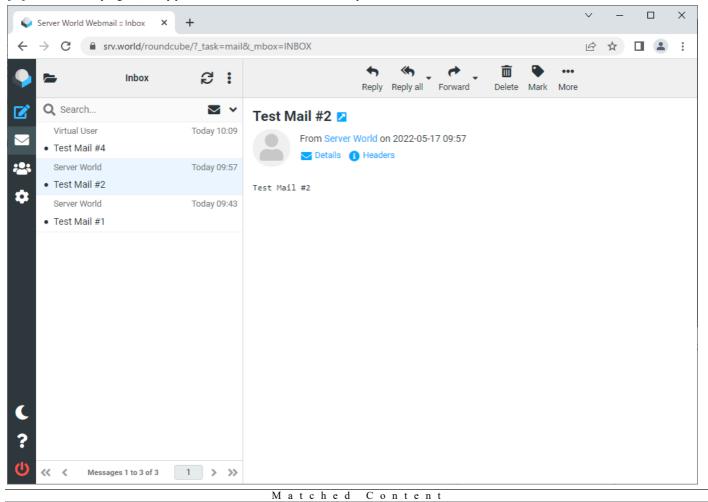
root@www:~#

systemctl restart apache2

[9] Access to [https://(your server's hostname or IP address/)/roundcube/], then Roundcube login form is shown, authenticate with any user on Mail Server.



[10] After successfully logined, verify possible to send or receive emails normally.



Ubuntu 22.04 : Apache2

- (16) Configure mod http2
- (17) Configure mod_evasive
- (18) Log Report : AWStats
- (19) Blog System: WordPress
- (20) Web Mail: RoundCube

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