Будем устанавливать почту на R3.

Устанавливаем докер.

```
curl -sSL https://get.docker.com/ | CHANNEL=stable sh
```

```
Executing docker install script, commit: 4f282167c425347a931ccfd95cc91fab041d414f
+ sh -c 'yum install -y -q yum-utils'
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
+ sh -c 'yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo'
Loaded plugins: fastestmirror
adding repo from: https://download.docker.com/linux/centos/docker-ce.repo
grabbing file https://download.docker.com/linux/centos/docker-ce.repo to /etc/yum.repos.d/docker-ce.repo
repo saved to /etc/yum.repos.d/docker-ce.repo
+ '[' stable '!=' stable ']'
+ sh -c 'yum makecache'
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
epel/x86 64/metalink
* base: mirror.docker.ru
 * epel: mirror.yandex.ru
 * extras: mirror.corbina.net
 * updates: mirror.corbina.net
base
```

Запускаем докер, включаем автозапуск systemctl start docker systemctl enable docker

Устанавливаем docker-compose

```
curl -L https://github.com/docker/compose/releases/download/v$(curl -Ls https://www.servercow.de/docker-compose/latest.php)/docker-compose-$(uname -s)-$(uname -m) > /usr/local/bin/docker-compose
```

Проверяем есть ли пакет "container-selinux"

rpm -qa | grep container-selinux

```
[root@R3 bin] # rpm -qa | grep container-selinux container-selinux-2.119.2-1.911c772.e17_8.noarch [root@R3 bin] #
```

Проверяем включен ли в докере SELinux support docker info | grep selinux

```
[root@R3 bin]# docker info | grep selinux
[root@R3 bin]# vim /etc/docker/daemon.json
```

Создаём файл daemon.json, и включаем в нем SELinux support

```
{
    "selinux-enabled": true
}
...
```

Делаем рестарт докера. Проверяем еще раз.

```
[root@R3 bin]# systemctl restart docker
[root@R3 bin]# docker info | grep selinux
selinux
```

Проверим umask, должно быть 0022. Переходим в директорию /opt

```
[root@R3 bin]# umask
0022
[root@R3 bin]# cd /opt
[root@R3 opt]# 11
total 0
drwx--x--x. 4 root root 28 Aug 31 09:29 containerd
```

Клонируем репозиторий mailcow

git clone https://github.com/mailcow/mailcow-dockerized

```
[root@R3 opt]# git clone https://github.com/mailcow/mailcow-dockerized Cloning into 'mailcow-dockerized'...
remote: Enumerating objects: 43325, done.
remote: Counting objects: 100% (101/101), done.
remote: Compressing objects: 100% (80/80), done.
remote: Total 43325 (delta 42), reused 39 (delta 21), pack-reused 43224
Receiving objects: 100% (43325/43325), 33.33 MiB | 7.71 MiB/s, done.
Resolving deltas: 100% (28140/28140), done.
[root@R3 opt]# []
Переходим в директорию mailcow-dockerized
```

```
[root@R3 opt]# 11
total 4
drwx--x-x. 4 root root    28 Aug 31 09:29 containerd
drwxr-xr-x. 6 root root 4096 Aug 31 10:12 mailcow-dockerized
[root@R3 opt]# cd mailcow-dockerized/
[root@R3 mailcow-dockerized]#
```

Запускаем скрипт

docker-compose pull

docker-compose up -d

Приводит к ошибке: адрес 0.0.0.0:25 уже используется.

Посмотрим открытые сокеты.

ss -tulpan

```
tcp LISTEN
                 0
                        128
                                                                                         127.0.0.1:953
users:(("named",pid=11582,fd=24))
      LISTEN
                                                                                                 *:35289
                        64
      LISTEN
                 0
                        100
                                                                                         127.0.0.1:25
tcp
users:(("master",pid=1583,fd=13))
      LISTEN
                                                                                         127.0.0.1:13306
                        128
users:(("docker-proxy",pid=6255,fd=4))
      LISTEN
                        128
                                                                                                 *:443
 users:(("docker-proxy",pid=6596,fd=4))
```

ps aux

nobody	1391	0.0	0.0	77152	660 3	?	Ss	09:07	0:00 /usr/sbin/openvpncd /etc/openvpn/config server.conf
root	1396	0.0	0.2	222740	4600 3	?	Ssl	09:07	0:00 /usr/sbin/rsyslogd -n
root	1397	0.0	0.0	574284	1616 3	?	Ssl	09:07	0:00 /usr/bin/python2 -Es /usr/sbin/tuned -1 -P
root	1406	0.0	0.0	42632	156 2	?	Ss	09:07	0:00 /usr/sbin/rpc.mountd
root	1583	0.0	0.0	89708	548 3	?	Ss	09:07	0:00 /usr/libexec/postfix/master -w
postfix	1586	0.0	0.0	89812	588 3	?	S	09:07	0:00 pickup -1 -t unix -u
postfix	1587	0.0	0.0	89880	556 3	?	S	09:07	0:00 qmgr -1 -t unix -u
rpcuser	1750	0.0	0.0	42440	500 3	?	Ss	09:07	0:00 /usr/sbin/rpc.statd
root	1783	0.0	0.0	0	0 3	?	S<	09:07	0:00 [nfsd4_callbacks]
root	1784	0.0	0.0	0	0 3	?	S	09:07	0:00 [lockd]
root	1811	0.0	0.0	0	0 3	?	S	09:07	0:00 [nfsd]
root	1814	0.0	0.0	0	0 3	?	S	09:07	0:00 [nfsd]
	1015	0 0	0 0		0.0			00 00	0.00 f 5.33

Это наш локальный MTA агент postfix занял 25 порт.. Отключим. Редактируем файл

```
[root@R3 mailcow-dockerized]# vim /etc/postfix/master.cf
[root@R3 mailcow-dockerized]#
```

Закомментируем строчку smtp

```
# Postfix master process configuration file. For details on the format of the file, see the master(5) manual page (command: "man 5 master").

# Do not forget to execute "postfix reload" after editing this file.

# service type private unprive chroot wakeup maxproce command + args (yes) (yes) (yes) (never) (100)

# smtp inet n - n - smtpd

# smtp inet n - n - 1 postscreen

# smtp pass - n - smtpd

# dnsblog unix - n - 0 dnsblog

# tlsproxy unix - n - 0 tlsproxy

# submission inet n - n - smtpd

# osyslog_name=postfix/submission

# osmtpd_tls_security_level=encrypt

# osmtpd_sasl_auth_enable=yes

# -o smtpd_reject_unlisted_recipient=no
```

Перечитаем конфигурацию

postfix reload

```
[root@R3 mailcow-dockerized]# postfix reload
postfix/postfix-script: refreshing the Postfix mail system
[root@R3 mailcow-dockerized]#
```

Проверим порты

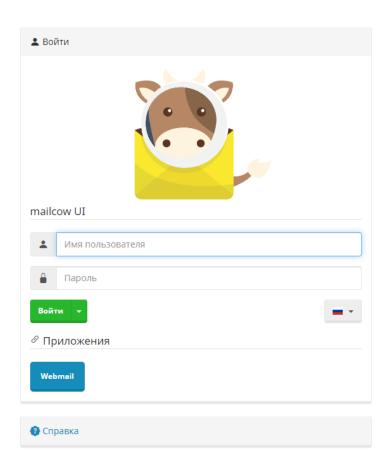
Порт 25 освободился. Повторяем docker-compose up -d

```
[root@R3 mailcow-dockerized] # docker-compose up -d
[+] Running 19/19

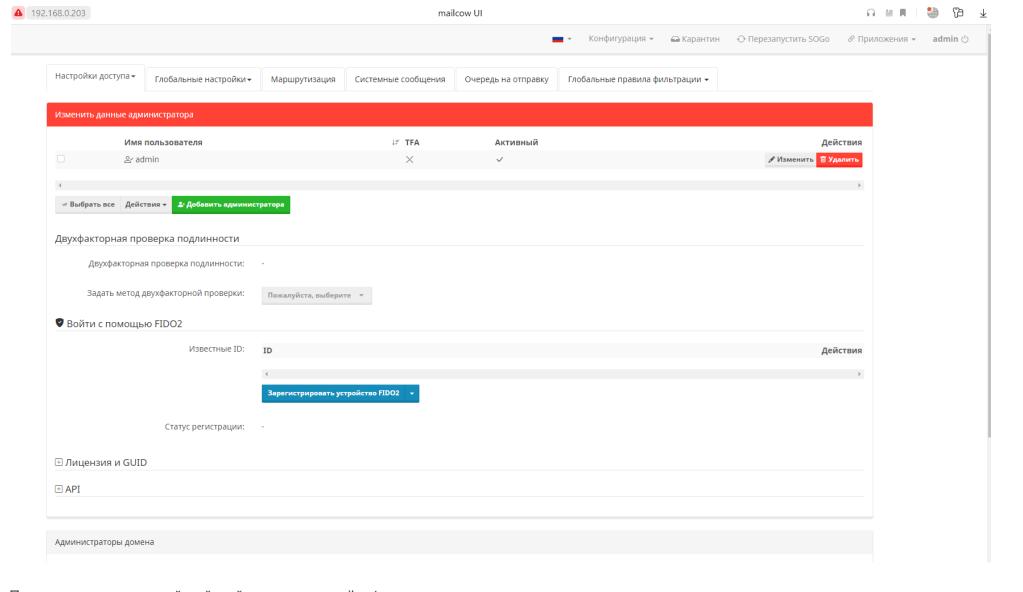
# Container mailcowdockerized-unbound-mailcow-l Running
# Container mailcowdockerized-dockerapi-mailcow-l Running
# Container mailcowdockerized-watchdog-mailcow-l Running
# Container mailcowdockerized-watchdog-mailcow-l Running
# Container mailcowdockerized-memcached-mailcow-l Running
# Container mailcowdockerized-sogo-mailcow-l Running
# Container mailcowdockerized-olefy-mailcow-l Running
# Container mailcowdockerized-redis-mailcow-l Running
# Container mailcowdockerized-php-fpm-mailcow-l Running
# Container mailcowdockerized-nginx-mailcow-l Running
# Container mailcowdockerized-acme-mailcow-l Running
# Container mailcowdockerized-solr-mailcow-l Running
# Container mailcowdockerized-mysql-mailcow-l Running
# Container mailcowdockerized-postfix-mailcow-l Running
# Container mailcowdockerized-dovecot-mailcow-l Running
# Container mailcowdockerized-felia-mailcow-l Running
# Container mailcowdockerized-rspamd-mailcow-l Running
# Container mailcowdockerized-rspamd-mailcow-l Started
# Container mailcowdockerized-ipv6nat-mailcow-l Started
# Container mailcowdockerized-ipv6nat-mailcow-l Started
# Container mailcowdockerized-ipv6nat-mailcow-l Started
# Container mailcowdockerized] #
```

Пробуем открыть на хостовой машине адрес нашего почтового сервера.

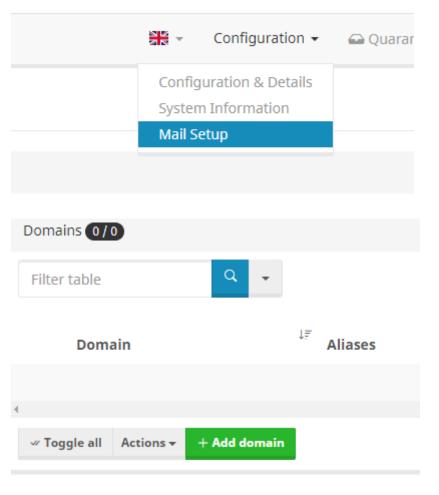




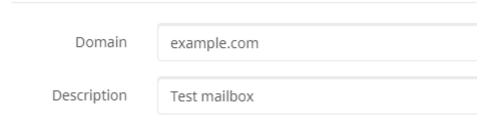
Заходим под дефолтным логином и паролем



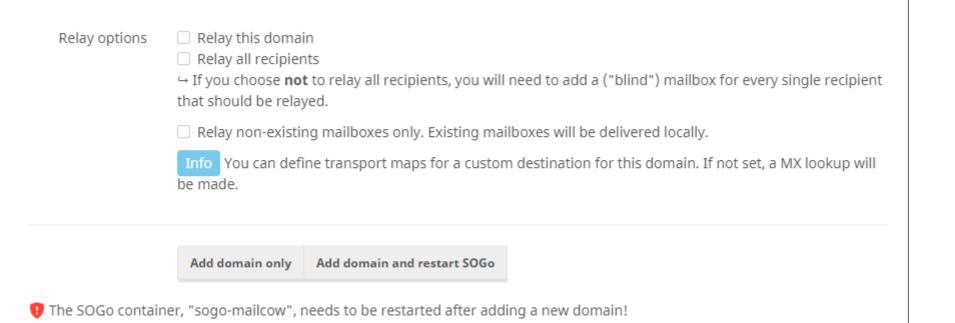
Переключимся на английский, зайдем в меню mail setup



Добавим домен example.com и описание.



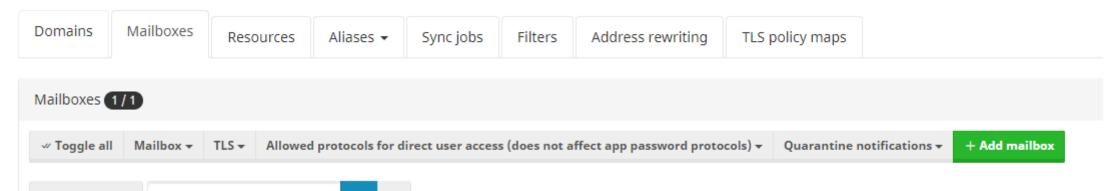
Жмем "добавить домен и перезапустить SOGo"



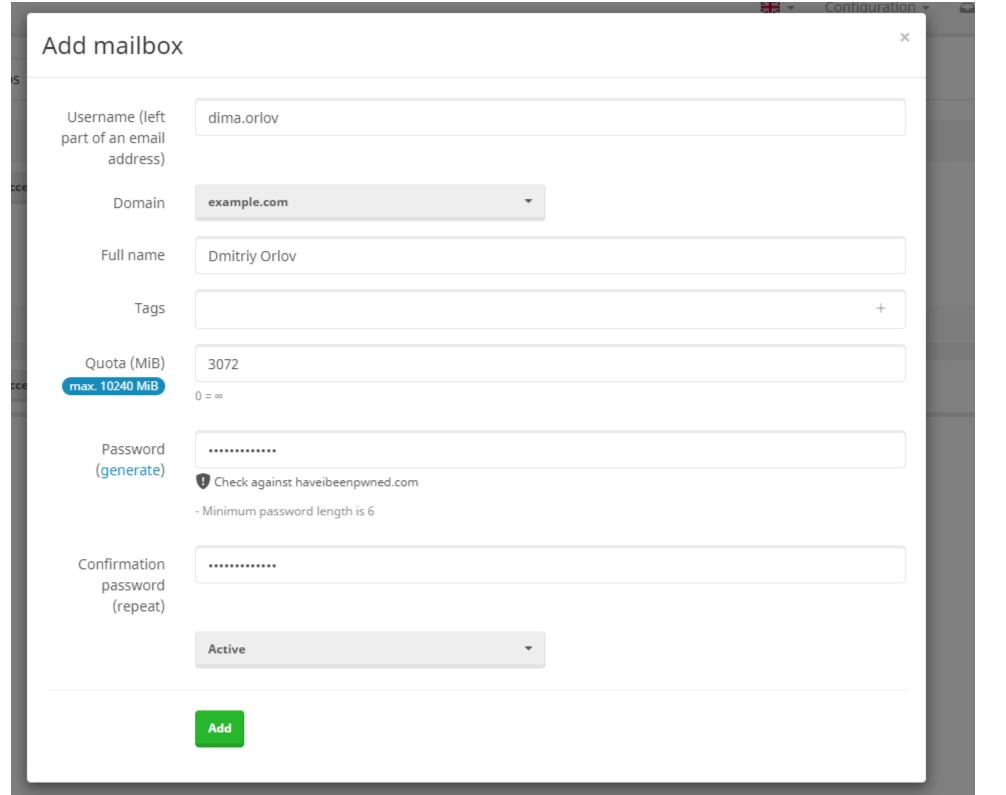
Домен добавлен

■ example.com 0 / 400 0 / 10 0 B / 10.0 GiB 0 / 0 B 3.0 GiB 10.0 GiB ✓ ✓ ✓ Edit	Doma	ain	Aliases	Mailboxes	Quota	Statistics	Default mailbox size	Max. size of a mailbox	Active	Action
	exam	nple.com	0 / 400	0 / 10	0 B / 10.0 GiB	①0/0B	3.0 GiB	10.0 GiB	~	★ Edit

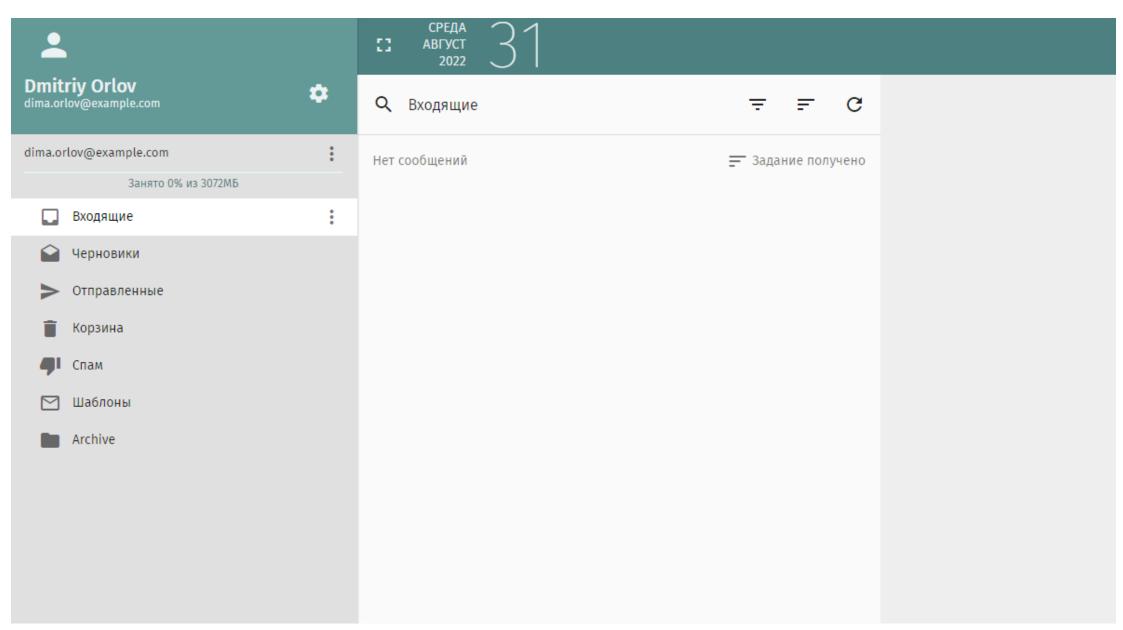
Добавим пользовательский почтовый ящик







Переходим в webmail. Вводим данные созданного пользователя.



Успешно.