# Contributing

Mail-in-a-Box is an open source project. Your contributions and pull requests are welcome.

## Development

To start developing Mail-in-a-Box, [clone the repository](https://github.com/mail-in-a-box/mailinabox) and familiarize yourself with the code.

$ git clone https://github.com/mail-in-a-box/mailinabox

### Vagrant and VirtualBox

We recommend you use [Vagrant](https://www.vagrantup.com/intro/getting-started/install.html) and [VirtualBox](https://www.virtualbox.org/wiki/Downloads) for development. Please install them first.

With Vagrant set up, the following should boot up Mail-in-a-Box inside a virtual machine:

$ vagrant up --provision

\_If you're seeing an error message about your \*IP address being listed in the Spamhaus Block List\*, simply uncomment the `export SKIP\_NETWORK\_CHECKS=1` line in `Vagrantfile`. It's normal, you're probably using a dynamic IP address assigned by your Internet provider–they're almost all listed.\_

### Modifying your `hosts` file

After a while, Mail-in-a-Box will be available at `192.168.50.4` (unless you changed that in your `Vagrantfile`). To be able to use the web-based bits, we recommend to add a hostname to your `hosts` file:

$ echo "192.168.50.4 mailinabox.lan" | sudo tee -a /etc/hosts

You should now be able to navigate to https://mailinabox.lan/admin using your browser. There should be an initial admin user with the name `me@mailinabox.lan` and the password `12345678`.

### Making changes

Your working copy of Mail-in-a-Box will be mounted inside your VM at `/vagrant`. Any change you make locally will appear inside your VM automatically.

Running `vagrant up --provision` again will repeat the installation with your modifications.

Alternatively, you can also ssh into the VM using:

$ vagrant ssh

Once inside the VM, you can re-run individual parts of the setup like in this example:

vm$ cd /vagrant

vm$ sudo setup/owncloud.sh # replace with script you'd like to re-run

### Tests

Mail-in-a-Box needs more tests. If you're still looking for a way to help out, writing and contributing tests would be a great start!

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## Code of Conduct

This project has a [Code of Conduct](CODE\_OF\_CONDUCT.md). Please review it when joining our community.