

# Control Panels

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## cPanel

### Intro

CrossBox for cPanel is one of our most popular control panel integrations. It's Plug-and-Play in its core, covering 95% of all cPanel setups out of the box. Our deep integration with cPanel hooks and APIs enables an automated and fine-tuned experience for both the end-user and service provider.

All data and computing are 100% hosted/done on the cPanel server.

### Benefits

End-users:

- Easy access either via cPanel's webmail system or direct URL
- No complicated IMAP/SMTP/POP3 configuration, only email address, and password are required
- Instant access to
  - Email
  - Chat
  - Audio/video calls
  - Conferences
  - Files
  - Contacts
  - And many [other features](#), directly integrated with a cPanel hosting account
- Real-time push notifications
- Change password within CrossBox
- Recover access to an email account

Service Providers:

- Provide users with a modern communication suite that is deeply integrated with and running on a cPanel server
- Easier customer onboarding
- Better brand exposure
- No changes to the cPanel server, services, or configuration files needed
- Everything is 100% hosted on the cPanel server itself
- cPanel account quota support
- WHM Feature List support

### Automatic cPanel Integration

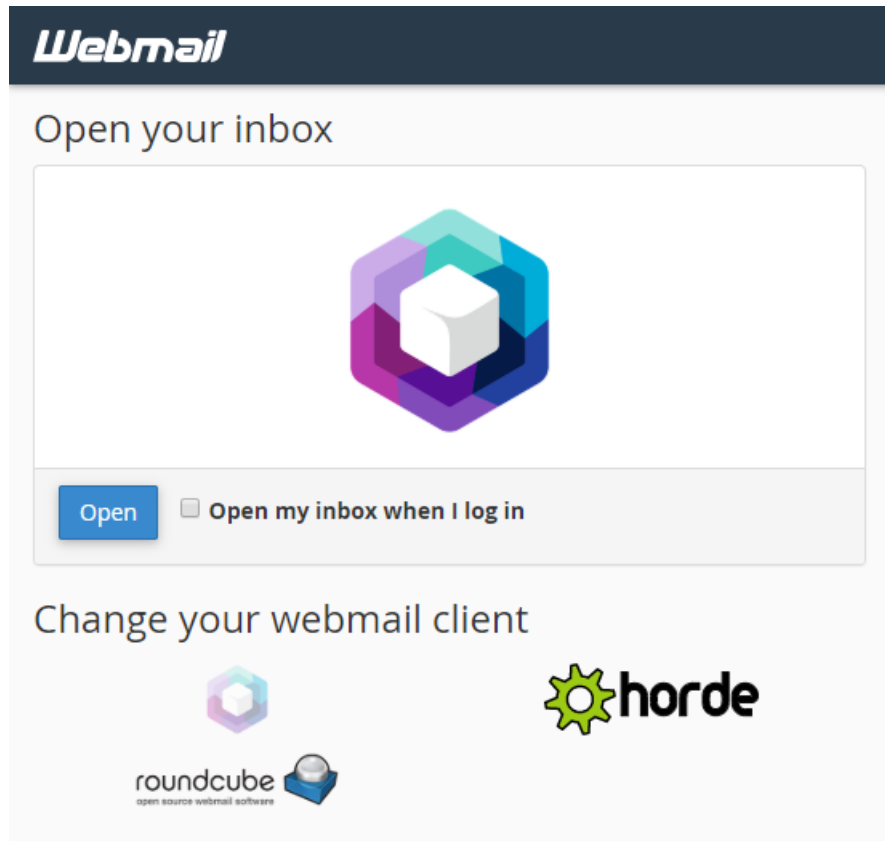
#### MTA/Mail Server

CrossBox supports Exim and Dovecot out of the box, and won't make any changes to your existing MTA/mail server configuration.

From standard Exim configurations to smart external relays, CrossBox supports any configuration.

## Webmail

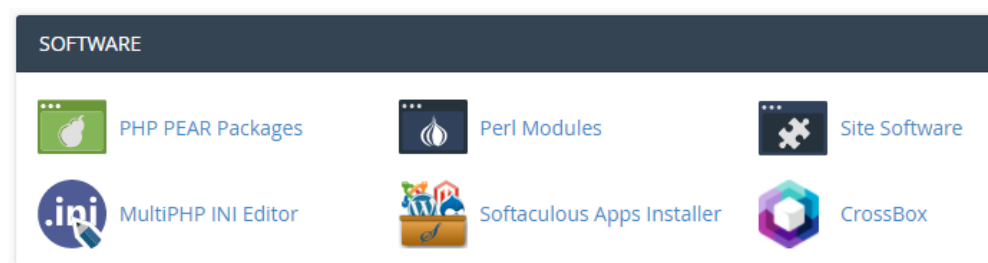
cPanel users can choose CrossBox as their Webmail Application of choice when accessing cPanel's Webmail.



Note that if you have a Branding Addon purchased, the cPanel Webmail interface will show your custom App Logo.

## cPanel UI

Shortcut for CrossBox is also placed in the *Software* section of the user's cPanel interface.



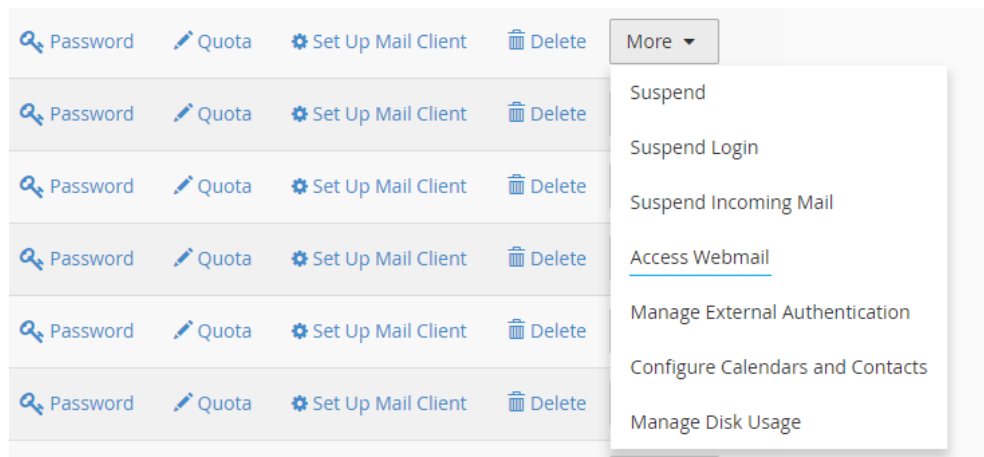
Note that if you have a Branding Addon purchased, the cPanel's software section will show App Logo and App Name you defined during the installation.

## Mailbox Format Support

Both *Maildir* and *MDBOX* are fully supported when using CrossBox with cPanel.

## E-mail Auto-Login

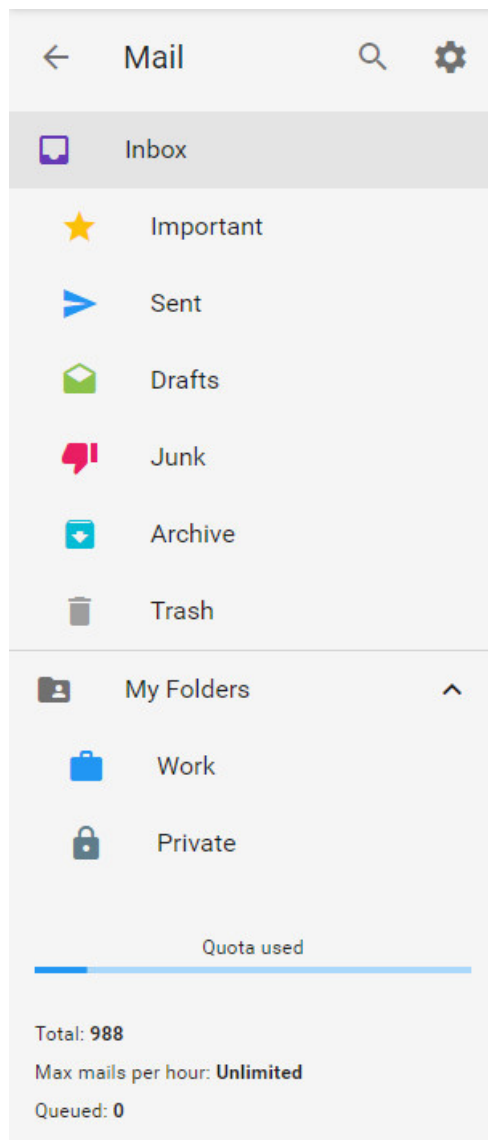
cPanel's *Access Webmail* option that features passwordless auto-login is fully supported.



## E-mail Quota

CrossBox supports cPanel's e-mail disk quota and sending limitations, as seen in the image below.

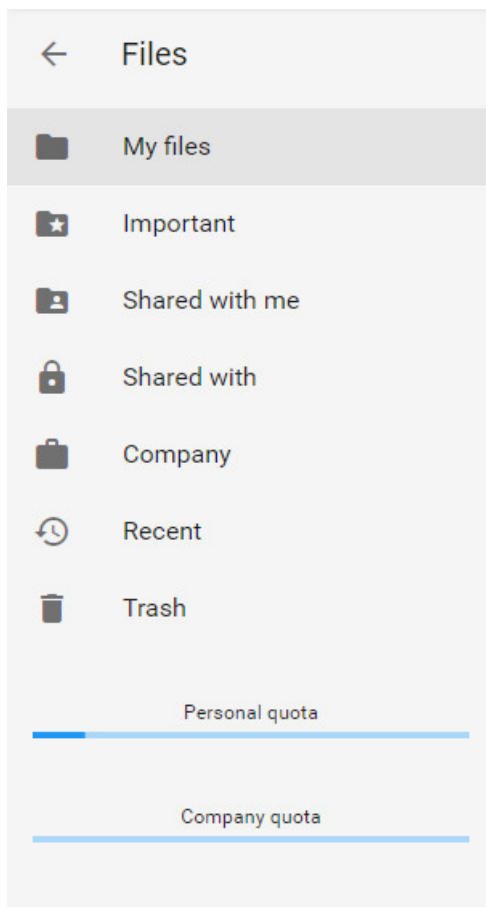
Also, it can display the number of queued emails and whether the outgoing limitations apply.



## Disk Quota

All the data CrossBox users create and files they store are counted against their

hosting account's disk quotas.



## MySQL Quota

CrossBox respects the hosting account's MySQL quota and each hosting account that has CrossBox enabled has its own MySQL database.

The database is created under that hosting account's ownership after the user successfully logs into CrossBox for the first time.

## Password Change Syncing

When a user changes its e-mail password via the cPanel interface, the user's CrossBox password is also changed, and vice versa.

## Hosting Account Suspension

When a hosting account is suspended, CrossBox users of that hosting account are also suspended and all users automatically logged out of the application.

## Hosting Account Termination

When a hosting account gets terminated, CrossBox for that account is also deleted, including users' CrossBox data.

## Backup

CrossBox users' data is stored in their hosting account's directory and each hosting account has its own CrossBox database.

This means that backing up CrossBox can be done automatically by the cPanel's native *Backup System*.

You can also use any other backup solution for cPanel servers like JetBackup and it will work out of the box.

## WHM Feature Manager

In WHM, you can use the Feature Manager to enable or disable different features for different hosting packages.

By enabling or disabling the CrossBox Plugin in the feature list, you can control who has access to CrossBox. This is useful if you want to allow access to CrossBox only to users on your more expensive hosting packages.

By default, the CrossBox plugin is enabled for all users.

- ☒ Application Manager
- ☒ AutoSSL
- ☒ Backup Manager
- ☒ CrossBox **Plugin**
- ☒ Calendars and Contacts
- ☒ Change Language

Note that if you have a Branding Addon purchased, the WHM Feature Manager will show your custom App Name.

## Compatibility With Other Software

### MailScanner Support

Fully supported.

### SpamExperts Support

Fully supported.

### MailChannels Support

Fully supported.

### SpamAssassin Support

Fully supported.

### Apache Solr Support

Fully supported.

### Firewall Support

CrossBox integrates automatically with *CSF*, one of the most popular firewalls for cPanel servers. CrossBox will also automatically detect and use *Firewalld*, the native firewall for RedHat/CentOS servers.

### ClamAV Support

If you already have *ClamAV* running on your cPanel server, CrossBox will auto-detect it and then use it to scan users' CrossBox data in real-time, thus preventing any harmful files from being uploaded to the server.

### CloudLinux Support

CrossBox is fully compatible with CloudLinux and CageFS.

# Plesk

## Intro

CrossBox fully supports Plesk. It integrates with Plesk automatically and installing CrossBox on a Plesk server is as easy as clicking your way through the Web Installation Wizard.

## Installation

Installing CrossBox on a Plesk server does not in any way differ from installing CrossBox on any other server, but there are a couple of things to keep in mind.

## Hosting Providers

If you are a hosting provider and you have multiple Plesk servers, then you should think about [Creating a CrossBox Cluster](#). By doing so, you'll be able to advertise a single CrossBox link for all users (my-app.your-hosting.com), no matter what specific Plesk server they are hosted on. Combine that with our Branding Addon which lets you white-label CrossBox as your own and you'll be able to offer your Plesk based hosting customers a powerful set of communication tools with all, or just specific hosting plans, while keeping everything hosted on your customer's Plesk hosting account, and in full compliance with hosting package limits.

## Single Plesk Server

To install CrossBox on a single Plesk server, please follow the [Quick Installation Guide](#). After you've finished installing CrossBox, you'll need to enable it for some or for all hosting accounts. You can do so by enabling the CrossBox Plugin using a Plesk's "Additional Services" feature found under "Service Plans > Hosting Plans".



You need to do these steps for every Hosting Plan that you wish to have CrossBox enabled.

Service plan name \*

Resources	RAM, CPU, Disk I/O	Permissions	Hosting Parameters	PHP Settings	Web Server	Mail	DNS	Performance	Logs & Statistics	Applications	Additional Services
-----------	--------------------	-------------	--------------------	--------------	------------	------	-----	-------------	-------------------	--------------	---------------------

Select the services that should be included in the plan in addition to web hosting, DNS, and mail services.

WordPress Toolkit

Let's Encrypt

Other Services ☒ CrossBox  
All-in-One Communication Tool

\* Required fields



Also, make sure that CrossBox is enabled as a Webmail option under the "Mail" tab.

Service plan name \*

Resources	RAM, CPU, Disk I/O	Permissions	Hosting Parameters	PHP Settings	Web Server	Mail	DNS	Performance	Logs & Statistics	Applications	Additional Services
-----------	--------------------	-------------	--------------------	--------------	------------	------	-----	-------------	-------------------	--------------	---------------------

Specify parameters of the mail service provided with the plan.

☒ Switch on the mail service

☒ Webmail

☐ Switch on mailing lists

Policy on mail for non-existent users

☐ Bounce with message  
This address no longer accepts m

☐ Forward to address

☐ Reject

\* Required fields



Note that if you have a Branding Addon purchased, the App Name you chose during the installation will be shown instead of CrossBox.

## Plesk Integration

### Mail Server

Plesk already ships with Postfix/Qmail and Dovecot/Courier, but currently, only Postfix, Qmail, and Dovecot are supported. When using CrossBox with Plesk, CrossBox will not use its own mail server setup, which is common for a Standalone/Bare Metal version. Instead, it will scan for a local mail server and use that one by default. By doing so, CrossBox just **plugs and plays** seamlessly with your existing mail server setup, with no additional changes needed.

### Webmail



Plesk hosting accounts that have CrossBox enabled can choose CrossBox as their Webmail Application of choice when accessing Plesk's Webmail.

Mail Service	Webmail	Mail sent to non-existent users
✓ On	CrossBox	Reject
✓ On	CrossBox	Reject
✓ On	CrossBox	Reject
✓ On	CrossBox	Reject



Note that if you have a Branding Addon purchased, the Plesk Webmail interface will show App Logo and App Name you chose during the installation.

### Plesk UI



Shortcut for CrossBox is also placed in the *Additional Services* section of user's Plesk interface.

Create a Custom Website

Upload your web content and add databases.

Files Databases

Hosting Settings

PHP Settings

PHP version: 5.4.16

Backup Manager

Databases

CrossBox

WordPress

Security Advisor

Subscription Info

Subscription:

Subscription status: Active

Subscriber: reseller



Note that if you have a Branding Addon purchased, the Plesk's Additional Services section will show App Logo and App Name you defined during the installation.

### E-mail Accounts are CrossBox Users

Every e-mail address on a hosting account that has CrossBox enabled is treated as a CrossBox user. By creating an e-mail address via Plesk's "E-mail Accounts" feature, the user is also automatically creating a CrossBox account. The e-mail address being created is treated as the main user identifier.

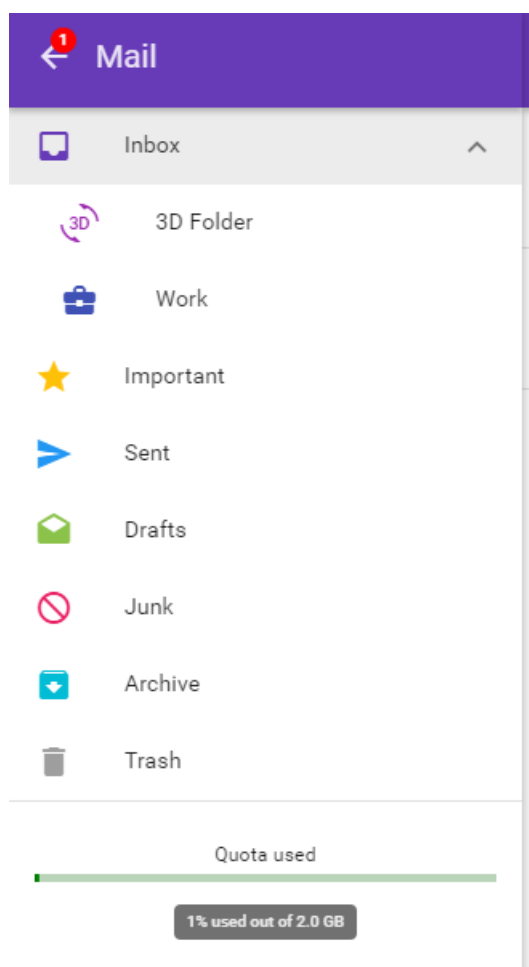
- 1 When a user changes its e-mail password, user's CrossBox password is also changed.

## Mailbox Format Support

- ✓ *Maildir* is fully supported when using CrossBox with Plesk.

## E-mail Quota

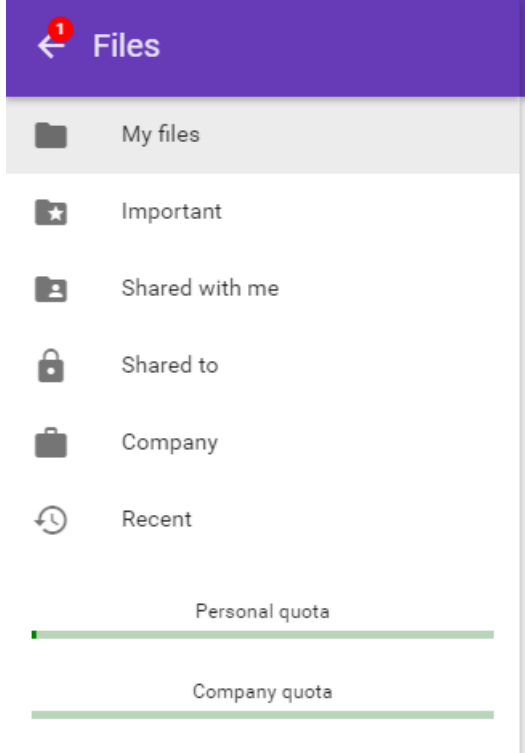
- ✓ CrossBox fully supports Plesk's e-mail quota limitations, as seen in the image below.



## Disk Quota

- ✓ All the data CrossBox users create and files they store are counted against their hosting account's disk quotas.





## Bandwidth Quota

The bandwidth CrossBox users make **is not** counted against their hosting account's bandwidth quota. The reason behind this is that Plesk currently doesn't expose a mechanism to do this.

## MySQL Quota

✓ CrossBox respects hosting account's MySQL quota and each hosting account that has CrossBox enabled has its own MySQL database, which is created under that hosting account's ownership after the user successfully logs into CrossBox for the first time.

## Hosting Account Suspension

✓ When a hosting account is suspended, CrossBox users for that hosting account are also suspended.

## Hosting Account Termination

! When a hosting account gets terminated, CrossBox for that account is also deleted, including users' CrossBox data.

## Backup

✓ Taking into consideration that CrossBox users' data is stored in the hosting account's directory and that every hosting account has its own CrossBox database, backing up CrossBox can be done automatically by Plesk's native *Backup System*. You can also use any other backup solution for Plesk and it should work out of the box.

## Compatibility With Other Software

## Firewall Support

- ✓ CrossBox integrates automatically with *CSF*, one of the most popular firewalls for Plesk servers.

- ✓ CrossBox integrates automatically with *Firewalld*, the native firewall for RedHat/CentOS servers.

- ✓ CrossBox integrates automatically with *UFW*, the native firewall for Debian/Ubuntu servers.

## CageFS Support

- ✓ CrossBox is fully compatible with CloudLinux *CageFS* virtualized file system.

## SpamAssassin Support

- ✓ CrossBox fully supports *SpamAssassin*, which is a popular spam filter for Plesk servers.

## SpamExperts Support

- ✓ If you are using *SpamExperts* on your Plesk server, you can keep on using it without any problems with CrossBox.

## ClamAV Support

- ✓ If you already have *ClamAV* running on your Plesk server, CrossBox will auto detect it and use it to scan users' CrossBox data.

# Direct Admin

## Intro

As of v0.3.9, CrossBox fully supports Direct Admin. It integrates with Direct Admin automatically and installing CrossBox on a Direct Admin server is as easy as clicking your way through the Web Installation Wizard.

## Installation

Installing CrossBox on a Direct Admin server does not in any way differ from installing CrossBox on any other server, but there are a couple of things to keep in mind.

## Hosting Providers

If you are a hosting provider and you have multiple Direct Admin servers, then you should think about [Creating a CrossBox Cluster](#). By doing so, you'll be able to advertise a single CrossBox and IMAP/SMTP/POP3 URLs for all users (my-app.your-hosting.com), no matter what specific Direct Admin server they are hosted on. Combine that with our Branding Addon which lets you white-label

CrossBox as your own and you'll be able to offer your Direct Admin based hosting customers a powerful set of communication tools with all, or just specific hosting plans, while keeping everything hosted on your customer's Direct Admin hosting account, and in full compliance with hosting package limits.

## Single Direct Admin Server

To install CrossBox on a single Direct Admin server, please follow the [Quick Installation Guide](#).

## Automatic Direct Admin Integration

### Mail Server

When using CrossBox with Direct Admin, we will scan for a local mail server and use that one by default. By doing so, CrossBox just **plugs and plays** seamlessly with your current mail server setup, without making any changes to your existing infrastructure.

### Mailbox Format Support

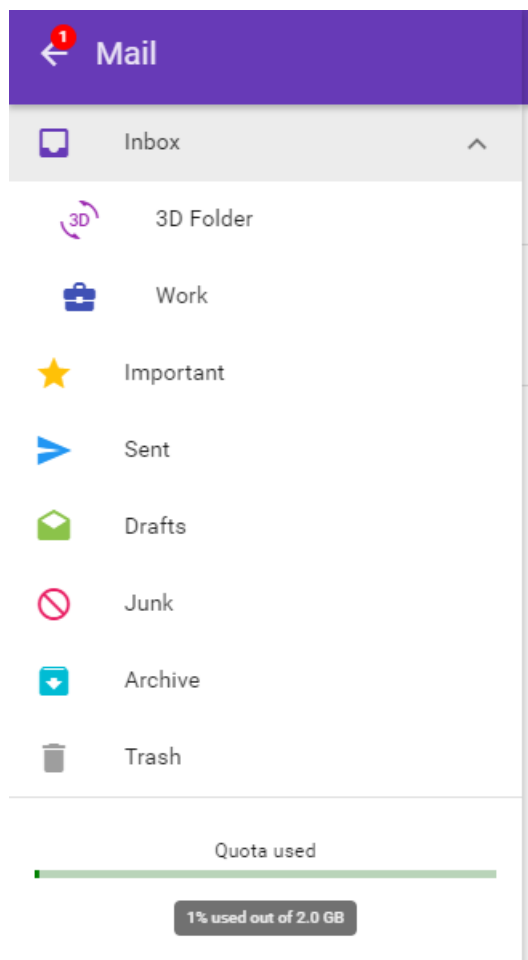


Both *Maildir* and *MDBOX* are fully supported when using CrossBox with Direct Admin.

### E-mail Quota

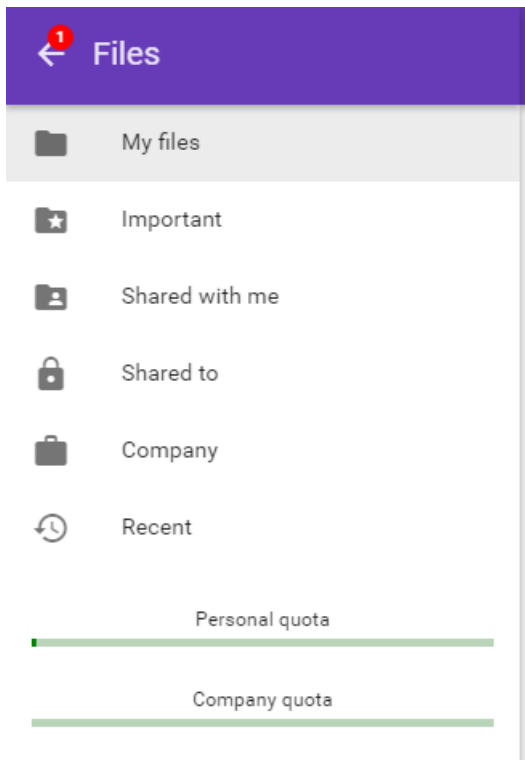


CrossBox fully supports Direct Admin's e-mail quota limitations, as seen in the image below.



### Disk Quota

- ✓ All the data CrossBox users create and files they store are counted against their hosting account's disk quotas.



## MySQL Quota

- ✓ CrossBox respects hosting account's MySQL quota and each hosting account that has CrossBox enabled has its own MySQL database, which is created under that hosting account's ownership after the user successfully logs into CrossBox for the first time.

## Hosting Account Suspension

- ✓ When a hosting account is suspended, CrossBox users of that hosting account are also suspended and automatically logged out of the application.

## Hosting Account Termination

- ! When a hosting account gets terminated, CrossBox for that account is also deleted, including users' CrossBox data.

## Backup

- ✓ Taking into consideration that CrossBox users' data is stored in their hosting account's directory and that each hosting account has its own CrossBox database, backing up CrossBox is done automatically by Direct Admin's native *Backup System*. You can also use any other backup solution for Direct Admin and it will work out of the box.

## Compatibility With Other Software

### MailScanner Support



If you are using *MailScanner* on your Direct Admin server, you can keep on using it without any problems with CrossBox.

## SpamExperts Support



If you are using *SpamExperts* on your Direct Admin server, you can keep on using it without any problems with CrossBox.

## MailChannels Support



If you are using *MailChannels* with your Direct Admin server, you can keep on using it without any problems with CrossBox.

## SpamAssassin Support



CrossBox fully supports *SpamAssassin*, which is a popular spam filter for Direct Admin servers.

## Apache Solr Support



CrossBox utilizes a fast Full-Text Search Indexing if Apache Solr is enabled on a Direct Admin server.

## Firewall Support



CrossBox integrates automatically with *CSF*, one of the most popular firewalls for Direct Admin servers. It can also detect and use *Firewalld*, the native firewall for RedHat/CentOS servers.

## ClamAV Support



If you already have *ClamAV* running on your Direct Admin server, CrossBox will auto-detect it and then use it to scan users' CrossBox data in real-time, thus preventing any harmful files being stored on the server.

## CageFS Support



CrossBox is fully compatible with CloudLinux *CageFS* virtualized file system.

# Other Control Panels

## Intro

Due to CrossBox having a plug and play design by its nature, it can be installed on a server running any control panel, even if the official implementation (so-called deep-integration) for that panel doesn't exist.

CrossBox will auto-detect software which is already running on the server and adjust its operations accordingly.

For example, if the server has an active mail server already installed, CrossBox


will not install its own and will use that one instead.

## Installation

Install CrossBox as you would on any other server, by following our [Quick Installation Guide](#).

**CrossBox will not interfere with any software you already have installed or running on the server** as it uses its own packages and libraries that are prebuilt and shipped with CrossBox. This means it will not install any software via your system's package manager or touch your system's dependencies in any way.

## Post Installation

 After having successfully completed the installation, use the Admin area to [enable CrossBox for domains](#) hosted on the server.

# Docker

You can easily Dockerize CrossBox instead of installing it on a VPS or a Dedicated server.

```
mkdir -p /var/crossbox
cd /var/crossbox
```

### Create a Dockerfile

```
nano Dockerfile
```

### Copy and paste:

```
FROM ubuntu:latest
MAINTAINER Support "support@crossbox.io"

RUN apt-get clean && apt-get update && apt-get install -y \
    locales \
    language-pack-fi \
    language-pack-en && \
    export LANGUAGE=en_US.UTF-8 && \
    export LANG=en_US.UTF-8 && \
    export LC_ALL=en_US.UTF-8 && \
    locale-gen en_US.UTF-8 && \
    dpkg-reconfigure locales
ENV LANG en_US.UTF-8
ENV LANGUAGE en_US:en
ENV LC_ALL en_US.UTF-8
RUN apt-get install -y git wget net-tools
```

### Run the command

```
docker build -t crossbox .
```

### Start the container

```
docker run -t -d -p 25:25 -p 80:80 -p 110:110 -p 143:143 -p 443:443 -p 465:465 -p 587:587 -p 993:993 -p
```

Port mappings above are needed to forward the traffic from your host machine to the Docker container:

- 25 - SMTP Local Delivery
- 80 - CrossBox HTTP
- 110 - POP3
- 143 - IMAP
- 443 - CrossBox HTTPS
- 465 - SMTP Secure
- 587 - SMTP
- 993 - IMAP Secure
- 995 - POP3 Secure
- 3478 - TURN TCP and UDP
- 5349 - TURN Secure TCP and UDP
- 49152:65535 - Port range for TURN UDP RANGE
- 5000 - CrossBox Installer

**Note:**

If you plan to use non-default ports, you'll need to make sure that the ones you enter in the command above match with the ones you choose during the CrossBox Installation. Also, these ports must not be already used at your host machine.



443:443 means proxy from port 443 on a host machine to a Docker container where CrossBox is also running on 443.

5000:5000 is needed for the installer and should be removed after you're done with the installation.

After you run the command, you'll get the long ID, something like:

```
88982f9169b45259d04eb5df211fff4c3dd57c8a1ea6b60d9020bf7b3bdab105
```

Use that ID in the command below to enter into the Docker container's command line

```
docker exec -it 88982f9169b45259d04eb5df211fff4c3dd57c8a1ea6b60d9020bf7b3bdab105 bash
```

Now when you've entered the shell, run the following commands:

```
cd /root
sh <(curl https://cdn.crossbox.io/install.sh || wget -O - https://cdn.crossbox.io/install.sh)
```

The CrossBox Installer will now start, and you can open the given link in the browser to begin the installation.

Follow the instructions on how to set up CrossBox  
here: <https://crossbox.io/documentation/page/quick-installation>

After the installation is done type `exit` to exit the docker container.

Your CrossBox now runs in a container and you can start using it by visiting the URL you've configured during the installation.

To manage the CrossBox Docker container instance you need to enter the command line and you'll be able to run the crossbox command:

<https://crossbox.io/documentation/page/command-line-tools>