

Parallels[®] Confixx

Parallels Confixx Datacenter Installation Guide

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Preface

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Typographical Conventions

Before you start using this guide, it is important to understand the documentation conventions used in it.

The following kinds of formatting in the text identify special information.

<u>Formatting convention</u>	<u>Type of Information</u>	<u>Example</u>
Special Bold	Items you must select, such as menu options, command buttons, or items in a list. Titles of chapters, sections, and subsections.	Go to the System tab. Read the Basic Administration chapter.
<i>Italics</i>	Used to emphasize the importance of a point, to introduce a term or to designate a command line placeholder, which is to be replaced with a real name or value.	The system supports the so called <i>wildcard character</i> search.
Monospace	The names of commands, files, directories, and domain names.	The license file is located in the <code>http://docs/common/licenses</code> directory.

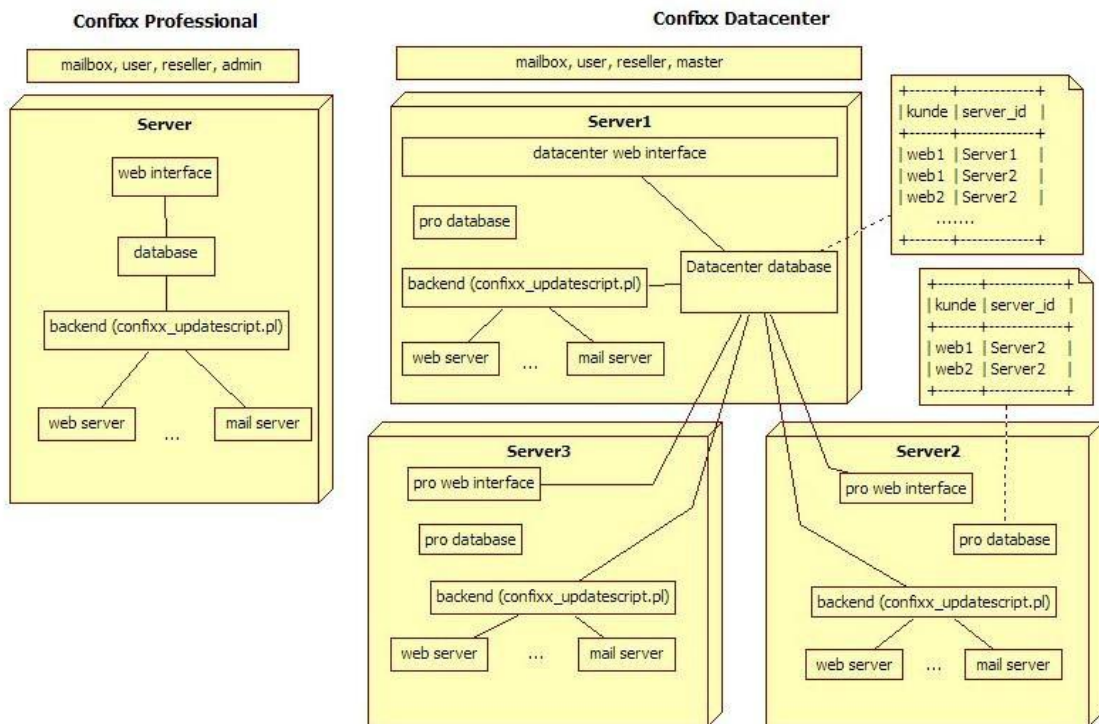
Preformatted	On-screen computer output in your command-line sessions; source code in XML, C++, or other programming languages.	<pre># ls -al /files total 14470</pre>
Preformatted Bold	What you type, contrasted with on-screen computer output.	<pre># cd /root/rpms/php</pre>
CAPITALS	Names of keys on the keyboard.	SHIFT, CTRL, ALT
KEY+KEY	Key combinations for which the user must press and hold down one key and then press another.	CTRL+P, ALT+F4

Feedback

If you have found a mistake in this guide, or if you have suggestions or ideas on how to improve this guide, please send your feedback using the online form at <http://www.parallels.com/en/support/usersdoc/>. Please include in your report the guide's title, chapter and section titles, and the fragment of text in which you have found an error.

Parallels Confixx Datacenter vs Parallels Confixx Pro

The chart below illustrates the difference between Parallels Confixx Pro and Parallels Confixx Datacenter.



As you can see, Confixx Datacenter is a superstructure over Parallels Confixx Pro servers. It consists of a database and a web interface. DC Web interface introduces a new **master** user who manages all servers in the Datacenter. Master user is a replacement for Parallels Confixx administrators. Administrators still can login and manage their servers but the master user can easily get access to the whole number of servers in the Datacenter. DC database has the same structure as in Parallels Confixx Pro and includes the copies of all Parallels Confixx Pro databases.

Installation Requirements

- 1 Prior to Parallels Confixx Datacenter installation, make make the full system backup.
- 2 To install Parallels Confixx Datacenter you must have Confixx Professional 3.3 or above installed.
- 3 MySQL should listen all on all network interfaces as far as several Parallels Confixx backends would connect from other hosts. You can check it by running the command:

```
# netstat -l | grep mysql
tcp 0 0 *:mysql : LISTEN
```

If not you should edit `/etc/my.cnf` or `/etc/mysql/my.cnf`, find string(s) `skip-networking` or `bind-address` and comment it out, then restart mysql. Later you can manage access to the DC database for different hosts from the **Settings->DB** access menu.

Note: It is important that all Parallels Confixx Datacenter servers have the same version of MySQL installed. For example, if one server has MySQL 3 client and another MySQL 4 installed, you should consider to upgrade MySQL client to version 4 on the first server.

- 4 System date and time must be the same on the Parallels Confixx Pro and Datacenter servers. Different time may cause unexpected logouts from Web interface.
- 5 Every Parallels Confixx Professional server within the Parallels Confixx Datacenter must have a special license installed. This is either '3dc' license or '3addc' (if you already have the '3pro' license).
 - **To install the '3addc' license:**
 - Go to the page `http://<yourdomain>/reg`, click **Unlock** license and enter the serial number and key for the '3addc' license.
 - In case of lease license run the contrib script `/root/confixx/admin/contrib/add_auto_reg.pl` that works similar to `/root/confixx/admin/contrib/auto_reg.pl`, except that you have to change `$VERSION='3addc'`

Now you are ready to install Parallels Confixx Datacenter.

Installation Procedure

➤ **To install Parallels Confixx Datacenter:**

1 Run `admin.pl`.

2 In the **General** menu choose **Datacenter** and follow instructions.

During this step datacenter database and the master user are created, and Parallels Confixx Professional is told to use the Datacenter Web interface (`$master_confixx=2`).

Next time `confixx_updatescript.pl` will copy all the data and will switch the database connection from the Parallels Confixx Pro database to the Parallels Confixx Datacenter database.

If some problems happen during the installation, you might want to fix them and reinstall Parallels Confixx Datacenter.

➤ **To reinstall Parallels Confixx Database**

1 Run:

```
/root/confixx/admin/contrib/restore_connect.pl -t=local
```

to switch db connection back to the Pro database.

2 Set `$master_confixx=0` in `confixx_main.conf`

3 Install Parallels Confixx Pro again with `admin.pl`.

Adding New Servers to Parallels Confixx Datacenter

➤ **To add a Parallels Confixx Professional server to Parallels Confixx Datacenter:**

Note: Here we will use the example of adding a Parallels Confixx Pro **Server2** (**server2.com**) to Parallels Confixx Datacenter **Server1** (**server1.com**)

- 1 Make sure the server meets the installation requirements (on page 7).
- 2 Login as the master user to Parallels Confixx DC, go to **Servers->Add new server** and follow the instructions.

During this step DC checks if **Server2** can connect to **Server1** MySQL server (different MySQL versions on **Server1** and **Server2** can be a reason for connection to be failed). DC set up permission for Server2 to connect to DC database (you can check them on Settings->DB access page in master interface) and adds a task for **Server2** to add itself to DC. DC performs this action using `html/cgi-bin/soap/check_connect.pl`, you can use it for debugging purposes if a problem is found at this step:

```
# ./check_connect.pl -help
# ./check_connect.pl -h server2.com -l admin -p password-db-srv server1.com-db-name master_confixx-db-user master-db-pass password
```

DC database connection data can be found in `/root/confixx/confixx_master.conf`.

Next time `confixx_updatescript.pl` runs on Server2 it copies the content of the Pro database to the DC database and switches database connection (in `confixx_main.conf` and `settings.inc.php`) to the Datacenter database. If the server was not properly added or some errors were found you can re-add the server to DC.

➤ **To re-add a Pro server to the Datacenter:**

- 1 In the Master interface, go to **Servers->Change Server->Kill** to remove all the Pro server data from the Datacenter database (all db records with `server_id=Server2`).
- 2 Run the following command to switch the database connection to the Pro database:

```
/root/confixx/admin/contrib/restore_connect.pl -t local
```

- 3 Now you can add the server again.

Since **Server2** is in the Datacenter all operations are performed with the Datacenter database. But every hour **Server2** copies its data from the Datacenter database to the Pro database. So in case of the Datacenter database crash data will not be lost. Using `restore_connect.pl` you can make every server work as Parallels Confixx Pro.