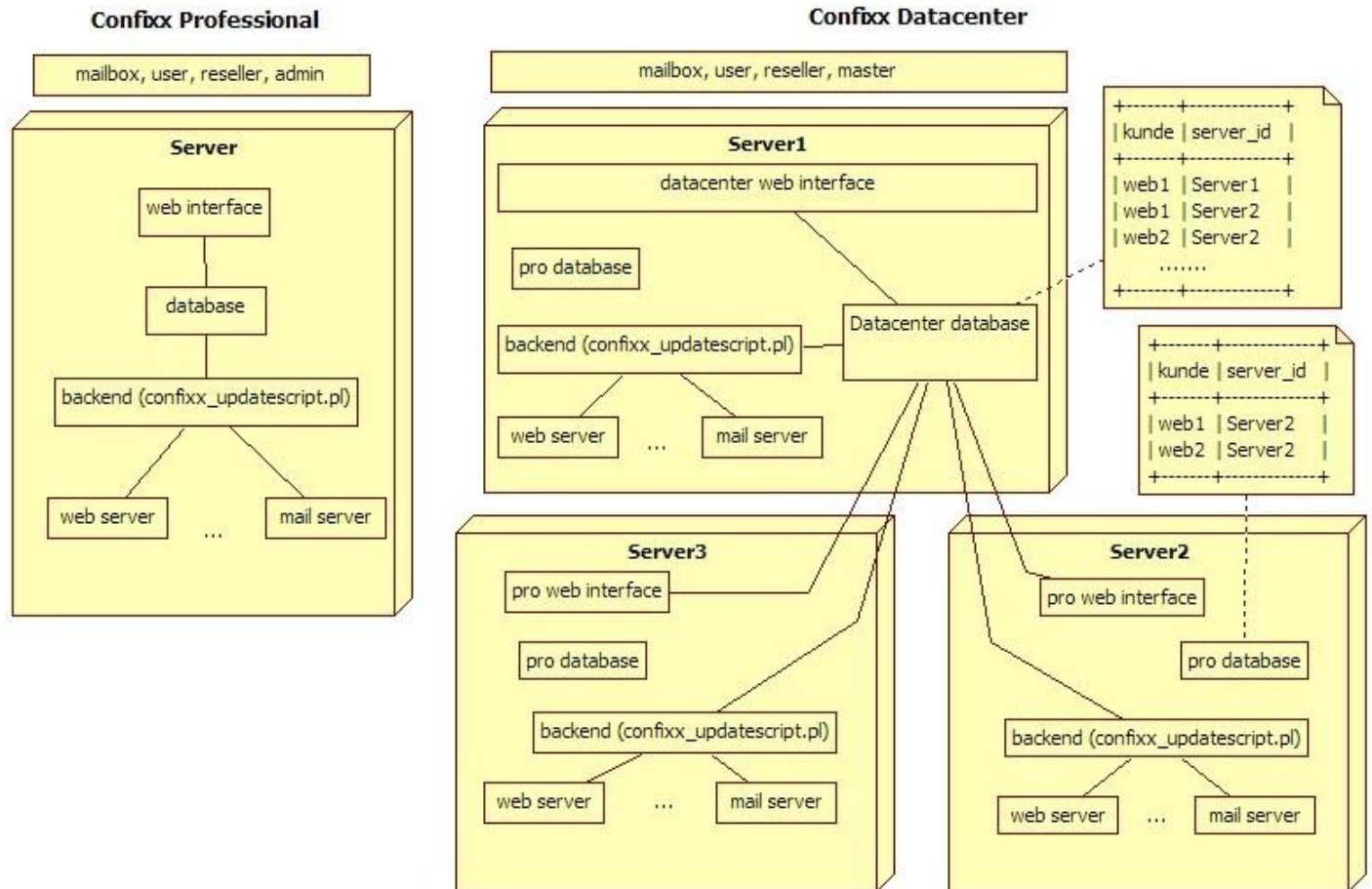


Confixx Datacenter Installation Manual

Overview

Below are brief diagrams that shows how Confixx Professional and Confixx Datacenter looks like inside. It will help to explain installation steps.



As you can see Confixx Datacenter is just a database and a web interface. DC Web interface introduces new user "master" that can manage servers. Master user is a replacement for several Confixx administrators. Administrators still can login and manage certain server but you should take in account that it can easily get access to the whole number of servers in Datacenter. DC database has the same db structure as in Confixx Professional and contains whole copy of all Confixx Pro databases.

Install Confixx Datacenter

First of all make full system backup! Then Here we will make a Confixx Pro server look like Server1

- **Requirements.** To install Confixx Datacenter you must have Confixx Professional 3.3 or above installed.
- **MySQL** should listen all on all network interfaces as far as several confixx backends would connect from other hosts. You can check it by running command

```
[root@vps1 ~]# 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 DC database for different hosts from Settings->DB access menu.

Note that MySQL version is important here. If e.g. Server2 has MySQL 3 client and Server1(DC) has MySQL 4 installed you should consider to upgrade mysql client up to 4 on Server2

- As you might noticed Server1 running Confixx Datacenter and Confixx Professional is added. For every Confixx Professional to work in Confixx Datacenter special license must be installed. This is either '3dc' license or '3adddc' (if you already have '3pro' license). To install '3adddc' license you can use `http://<yourdomain>/reg`, click Unlock license and put serial number and key of '3adddc'. In case of lease license there is a contrib script `/root/confixx/admin/contrib/add_auto_reg.pl` that works similar to `/root/confixx/admin/contrib/auto_reg.pl` except you have to change `$VERSION='3adddc'`
- Now you are ready to install Confixx Datacenter. Run `admin.pl` in General menu choose "Datacenter" and follow instructions. During this step datacenter database and master user are created, Confixx Professional is told to use Datacenter Web interface (`$master_confixx=2`). Next time `confixx_updatescript.pl` will copy all the data and switch db connection from pro database to datacenter database.
- If some problems found during installation you might want to fix them and reinstall Confixx Datacenter. Run `/root/confixx/admin/contrib/restore_connect.pl -t=local` to switch db connection back to pro database, set `$master_confixx=0` in `confixx_main.conf` then try again with `admin.pl`

Add Server

Now you can add Confixx Professional servers to Confixx Datacenter (Server2 to Server1 in example above)

- Only Confixx 3.3 and above can be added to Confixx Datacenter
- '3adddc' or '3dc' license must be installed on Confixx Pro server to be added.
- System date and time must be the same on DC and Pro servers. Different time can cause unexpected logouts from web interface.
- Login as master user to Confixx DC, go to Servers->Add new server and follow instructions. During these steps 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 actions using `html/cgi-bin/soap/check_connect.pl`, you can use it for debugging purposes if a problem found on the 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 content of "pro database" to "datacenter database" and switch db connection (in `confixx_main.conf` and `settings.inc.php`) to "datacenter database". If server was not properly added or some errors found on the step you can re-add the server to DC. Go to Master interface Servers->Change Server->Kill - that will remove all the Pro server data from DC database (All db records with `server_id=Server2`). Run `/root/confixx/admin/contrib/restore_connect.pl -t local` - that would switch db connection to "pro database". Now you can add the server again.
- Since Server2 is in DC all operations are performed with "datacenter database" but every hour

Server2 makes copy of its data from "datacenter database" to "pro database". So in case of "datacenter database" crash data will not be lost. Using `restore_connect.pl` you can make every server work as Confixx Professional.