

Installation Guide

of

XGenPlus 9.1

30 days DEMO

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Introduction

XGen Plus is the most advanced mail server and web mail client which provides fast, secure and reliable emailing along with unified mailing service. It's a total email management and relationship solution that has been designed especially to cater the needs of a company. XGen Plus adds new dimensions to internal communication and brings a whole new meaning to responding to customers by sharing information and pooling resources.

XGen Plus makes your email communication agile. Our clients are reporting extra ordinary benefits from its usage. Our clients include manufacturing companies, insurance and advertising agencies, architectural, law and accounting firms and almost everything in between. Please feel free to ask for live demonstration at your side.



Prerequisite and initial configuration

Minimum Hardware Configuration

Component		
Processor	Pentium IV 1.8Ghz with 512 KB Cache Memory	
Hard Disk Space	10 GB	
Memory	512 MB RAM	1 GB RAM
Display	SVGA monitor (1024 by 768)	
CD-ROM Drive	52x or faster	

Minimum Server Software Configuration

Component	
Operating System	Linux
Technology	Java 1.4.0_01 and Above
Database	Postgresql 7.4 and Above
Web	Orion 2.0.2

Software Installation

Deployment Process

Informally, the term software deployment refers to all the activities that make a software system available to its users.

The software deployment process will start after successful installation of Linux (FULL Install) for example : Mandrake Linux 9.2 Kernel 2.85 (FULL INSTALL) and is as follows. :

The delivery, assembly and management at a site of the resources necessary to use a version of a software system.

The configuration of **XGenPlus 9.1** requires following while installation:

1. Orion 2.0.2(Web Server)

Orion Server should be installed in /home directory i.e. /home/orion

Download it from www.orionserver.com

2. Java 1.4.0_01 and above for Linux (use rpm (j2sdk-1_4_2_03-linux-i586.rpm) based installation). Install rpm by rpm -ivh <filename> command

JDK Path should be set.

PATH = /usr/java/j2sdk1.4.2_03/bin

JAVA_HOME = /usr/java/j2sdk1.4.2_03

Download it from <http://java.sun.com> or take help of search engine.

3. Postgresql 7.4 Database (use rpm (postgresql-7.4.1-1PGDG.i386.rpm) based installation). Install rpm by rpm -ivh <filename> command

Postgresql should be running.

Type this command of sequence on prompt

ps -ef | grep postmaster

If it is postgres is running then it will give you a postmaster entry.

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```
root@egor:~  
[root@egor root]# ps -ef | grep postmaster  
postgres 5221 1 0 May02 ? 00:00:00 /usr/local/pgsql/bin/postmaster -i -D /usr/local/pgsql/data  
root 27026 26712 0 09:40 pts/3 00:00:00 grep postmaster  
[root@egor root]#
```

Download it from <http://www.postgresql.org>



4. Install XGenPlus

The Deployment CD consists of a file named **xgenplus_setup.tar**

First copy the file in the /home/ directory then untar (open the tar file) the xgenplus_setup.tar file (tar -xf xgenplus_setup.tar *)
xgenplus_setup.tar consist of following directories / files

1. **xgenplus folder (default : /home/xgenplus)**

It contains all the necessary folders and JSP files all the necessary folders, .class files and server configuration file to run XGenPlus server.

2. **xgenplussetup.sh (file)**

It is the main setup file which calls other configuration files.

3. **setlocal.sh (file)**

This configures orion web server for XGenPlus and creates a local Linux user.

4. **crtdbusr.sh (file)**

This creates database user (i.e. XGen) and database (i.e. XGenPlusdb).

5. **crtdbobj.sh (file)**

This creates database objects for XGenPlus

6. **XGenPlus-web-site.xml (file)**

Configuration file for Orion web server.

7. **uninstallXGenPlus.sh (file)**

This will uninstall the XGenPlus Server .

8. **dropuserdb.sh (file)**

This drops the database user and database objects.

STEPS TO FOLLOW

Installation Process

First you should login as a **root** (which should have all the rights of the system administrator) in your machine then, follow the following steps:

1. Make a **directory** in your machine like deployment.
2. Copy the **xgenplussetup.tar** file from the CD to your directory.
3. Un-tar the **xgenplussetup.tar** file in your current directory.
4. Execute the sh **xgenplussetup.sh** to install.
5. It will check for the Hard Disk Space and Memory. If both are sufficient then it will go forward otherwise exit from installation.
6. It will check for the **Orion web server path** and the **JDK path**.
7. It will ask about **Orion web server path**, if Orion is not in /home directory, then provide the Orion web server path of your system.
8. Then it will ask for JDK path, if not found, provide the JDK path also.
9. It will ask for the postgresql database, if it is already exist in your system, it will inform you and ask to overwrite, clicking on yes will create the new database otherwise it will use existing one.
10. It will also ask you about Domain settings , in which you have to enter the following details:
(replace datainfocom.in with your desired domain)
Domain Name (e.g. datainfocom.in)
11. If you have installed all the software correctly, it will give you the message of successful installation.
12. After installation, one installation log file will be created in the same directory named as **install.log** . You may need that to review in case you face any problem.

Un-Installation Process

1. If you wish to uninstall the software execute the **sh uninstallxgenplus.sh**
2. This command will remove all the files (including the database) related to the Xgenplus from your system.

Command Line Process to Check and Maintain the Server

You must be logged in as root on the Server.

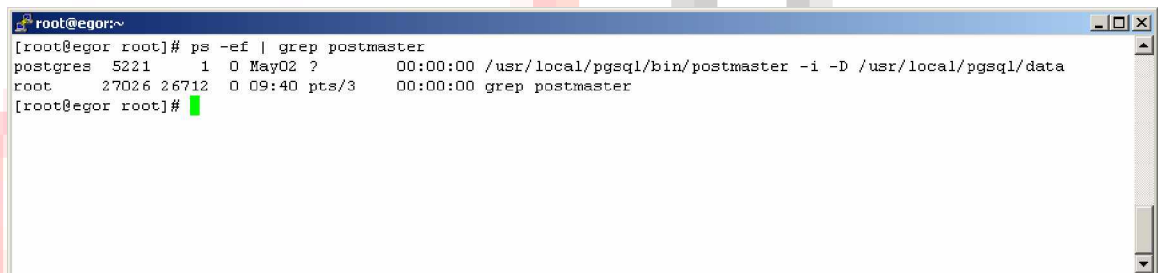
POSTGRES START/STOP PROCESS

How to check Postgres is running or not

Type this command of sequence on prompt

ps -ef | grep postmaster

If postgres is running then it will give you a postmaster entry. See below



```
root@egor:~  
[root@egor root]# ps -ef | grep postmaster  
postgres 5221 1 0 May02 ? 00:00:00 /usr/local/pgsql/bin/postmaster -i -D /usr/local/pgsql/data  
root 27026 26712 0 09:40 pts/3 00:00:00 grep postmaster  
[root@egor root]#
```

How to Start Postgres Database

Type this command of sequence on prompt

```
su postgres -c '<pg_home>/pg_ctl start -D <pg_data>'
```

pg_home = postgresql home directory (/usr/bin OR /usr/local/pgsql/bin)
pg_data= postgresql data directory (/var/lib/pgsql/data OR /usr/local/pgsql/data)

How to Stop Postgres Database

Type this command of sequence on prompt

```
su postgres -c '<pg_home>/pg_ctl stop -D <pg_data>'
```

IF POSTGRES IS INSTALLED THROUGH RPM THEN USE THESE COMMAND FOR POSTGRES START AND STOP

For Start,

```
/etc/rc.d/init.d/postgresql start
```

For Stop,

```
/etc/rc.d/init.d/postgresql stop
```

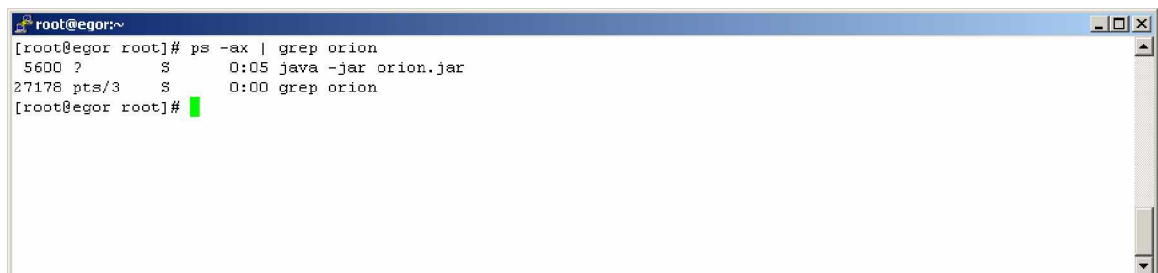
ORION START/STOP PROCESS

How to check Orion is running or not

Type this command of sequence on prompt

```
ps -ax | grep orion
```

If it is Orion Web Server is running then it will give you a **java -jar orion.jar** entry. See below



```
root@egor:~  
[root@egor root]# ps -ax | grep orion  
5600 ?        S          0:05 java -jar orion.jar  
27178 pts/3    S          0:00 grep orion  
[root@egor root]#
```

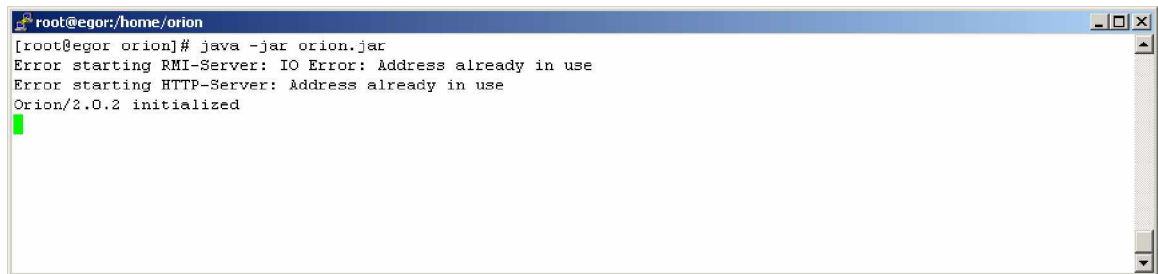
If it is Orion Web Server is not running then you will not be able to the home page of Xgenplus.

How to Start Orion Web Server

Type this command of sequence on prompt

```
cd /home/orion  
java -jar orion.jar
```

When it will start it gives you **Orion/2.0.2 initialized** message on prompt



```
root@egor:/home/orion  
[root@egor orion]# java -jar orion.jar  
Error starting RMI-Server: IO Error: Address already in use  
Error starting HTTP-Server: Address already in use  
Orion/2.0.2 initialized
```

How to Stop Orion Web Server

Press CTRL + c to stop Orion Web Server on the above screen.

Final Check

The Screen on the console should look like below.

login as: root

Sent username "root"

root@66.128.32.66's password:

Last login: Tue May 4 11:08:44 2004 from 202.157.65.10

```
[root@egor root]# ps -ax |grep java
```

```
5574 ?    S    54:13 java XgenplusServer.XgenplusStartSMTP  
5575 ?    S    54:13 java XgenplusServer.xgenplusincoming  
5576 ?    S    54:13 java XgenplusServer.xgenplusoutgoing  
5577 ?    S    54:13 java XgenplusServer. Retry  
5578 ?    S    54:13 java wy  
5579 ?    S    54:13 java y  
5581 ?    S    54:13 java w  
5582 ?    S    54:13 java z  
5585 ?    S    54:13 java y 143 143  
5588 ?    S    54:13 java xw  
5600 ?    S    0:06 java -jar orion.jar  
6001 pts/2 S    0:00 grep java
```

```
[root@egor root]# ps -ax |grep postg
```

```
5224 ?    S    0:00 postgres: stats buffer process  
5225 ?    S    0:00 postgres: stats collector process  
6722 pts/2 S    0:00 grep postg
```

Xgenplus SERVER START/STOP PROCESS

Go to default directory of Xgenplus Server i.e
/home/Xgenplus/server then,

Execute the **start** shell script by following command
sh start

It will kill the existing Xgenplus Server if server is running and restart Xgenplus Server on Port **25**.

Server Configuration File

The default installation is /home/Xgenplus.

See ServerConfig.txt for details of parameters.

SMTP Service setup for Delivery

Go to default directory of Xgenplus Server

/home/orion/TyphoonPostgres/smtp

read and setup the following files

smtpserverconfig.txt - Basic configuration
whitelistdomain.txt - Allows relaying for the domains
whitelistip.txt – List of network that will be local to this machine.
blacklistip.txt – Do not allow any mail from this ip.
routing.txt - Do not check mx and direct deliver to specific ip
bodycheck.txt – Reject mails on the basis of body content.

/home/orion/TyphoonPostgres/pop

db.txt

/home/orion/TyphoonPostgres/imap

db.txt

WEB URL to access XgenPlus Mail Client

<http://localhost/>

<login id> = admin@<domain name>

<password> = Admin123

POP ADDRESS

<server IP>:110

IMAP ADDRESS

<server IP>:143

INCOMING SMTP

<server IP>:25

OUTGOING SMTP

<server IP>:2625

