

Installation Guide Of XgenPlus

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11.0
30 Days Trial

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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.

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Prerequisite and Initial Configuration

- **Minimum Hardware Configuration**

Component		
Processor	Pentium IV	
Hard Disk Space	40 GB	
Memory	512 MB RAM	1 GB or More (for better performance)
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) 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 11.0** 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

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

It will give you a postmaster entry.



```
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]#
```

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:

INSTALLATION THROUGH TAR

1. Make a **directory** in your machine like xgenplussetup.
2. Copy the **xgenplus_setup11.0.tar.gz** file to your above created directory.
3. Untar (tar -zxvf xgenplus_setup11.0.tar.gz *) the **xgenplus_setup11.0.tar.gz** file in your current directory.

xgenplus_setup11.0.tar.gz consist of following directories / files

1. **xgenplus folder**

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.exe (file)**

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

3. **setlocal.exe (file)**

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

4. **crtdbusr.exe (file)**

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

5. **crtdbobj.exe (file)**

This creates database objects for XGenPlus

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

Configuration file for Orion web server.

7. **uninstallXGenPlus.exe (file)**

This will uninstall the XGenPlus Server .

8. **dropuserdb.exe (file)**

This drops the database user and database objects.

9. **shift_pg.exe (file)**

This is for postgresql setting.

- 10 **pg_hba.conf (file)**

This is sample postgres configuration file.

- 11 **postgresql.conf (file)**

This is sample postgres configuration file.

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 **xgenplus_setup11.0.tar.gz** file from the CD to your directory.

3. Un-tar the **xgenplus_setup11.0.tar.gz** file in your current directory.
4. Execute the sh **xgenplussetup.exe** 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. Then it will ask for JDK path, if not found, provide the JDK path also.
8. It will ask for the postgresql database home(pg_data path).
9. 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)
10. If you have installed all the software correctly, it will give you the message of successful installation.
11. 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.
12. it will start all process automatically.

Un-Installation Process

1. If you wish to uninstall the software execute the **sh uninstallxgenplus.exe**
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

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
```

```
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]#
```

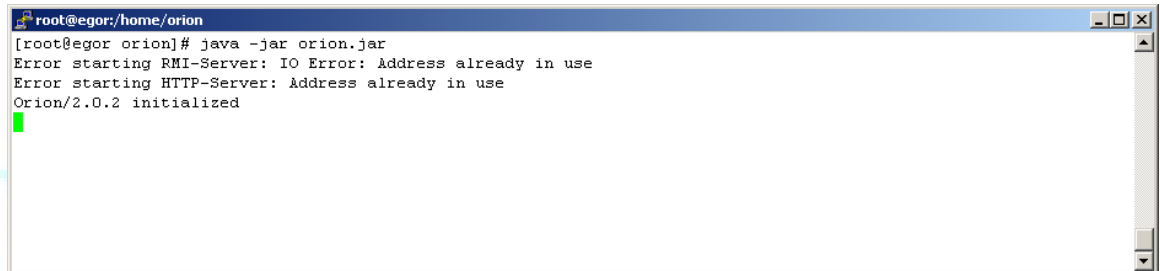
If it is Orion Web Server is not running then you will not be able to the home page of Dashboard.

How to Start Orion Web Server

Type this command of sequence on prompt (first go to the orion home directory).

```
sh /home/XgenPlus/bin/OrionStart.sh
```

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

```
sh /home/XgenPlus/bin/OrionStop.sh
```

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
```

Log Details

Server Logs:

You can see all the logs related to xgenplus in the following directory with the name of

/home/XgenPlus/log/

- **XgenPlusIncoming.log**: Log of Incoming mails on SMTP Server
- **XgenPlusOutgoing.log**: Log of Outgoing mail from XgenPlus thread.
- **PopPerUser.log** : Log of pop setting Mails
- **SmtOutForward.log** : Log of forwarding mails from Incoming SMTP server.
- **SmtOutRetry.log** : Log of those mail which were not sent by outgoing
- **PopServer.log** : Log of Incoming mails from POP server to email client (Outlook Express).
- **Imap.log**: Log of Incoming mails from IMAP server to email client (Outlook Express)
- **Orion.log** : web related information
- **SmtOutBounce.log** : Log of outgoing mail server Bounced mails
- **SmtOut.log** : Log of mail received by outgoing mail server
- **XgenPlusMailProcessing.log** : Log of incoming mails processed by mail parsing thread
- **XgenPlusRetry.log** : Log of outgoing mails received by XgenPlus Incoming thread

Xgenplus SERVER START/STOP PROCESS

All statup process are copied into /etc/rc.local

To start XgenPlus /home/XgenPlus/bin/AllStart

To stop XgenPlus /home/XgenPlus/bin/AllStop

Server Configuration File

You can find all configuration files at /home/XgenPlus/config/

See /home/XgenPlus/config/XgenPlusServerConfig.conf for details of parameters.

SMTP Service setup for Delivery

read and setup the following files

/home/XgenPlus/config/smtperverconfig.txt - Basic configuration

you on find other files at /home/XgenPlus/etc/smtpserver/
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/XgenPlus/etc/popserver

[DIL/XGenPlus/Deployment /Ver11.0](#)

db.txt

/home/XgenPlus/etc/imapserver

db.txt

WEB URL to access XgenPlus Admin and 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

