Installation Guide
Of XgenPlus
18.0
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.

Prerequisite and Initial Configuration

➕ Minimum Hardware Configuration

Component		
Processor	Xeon quad core	
Hard Disk Space	150 GB	
Memory	4 GB	8 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 1.6.0_13
Database	Postgresql 9.0X
Postgres home dir	/usr/local/pgsql
Web	Orion 2.0.6 or Above

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 18.0** requires following while installation:

1. **Make sure Following port on machine must be free**

    a. **25**

    b. **80**

    c. **1025**

    d. **8009**

    e. **8090**

    f. **8082**

    g. **110**

    h. **143**

2. **Java 1.6.0_13 and above for Linux (**use rpm **(jdk-6u26-linux-i586.rpm)** based installation**). Install rpm by rpm –ivh <filename> command**

    JDK Path should be set.

    PATH = /usr/java/ jdk1.6.0._13/bin

    JAVA_HOME = /usr/java/ jdk1.6.0._13

3. **Installating PostgreSQL from source**

    Make sure that the following is installed on your system:

    1. gcc
    2. make
    3. readline
    4. readline-devel
    5. zlib
    6. zlib-devel

You can use **yum** for install above tool ,If these are are not available on your system.

Then run following command for installing postgres 9.0.x

a.   cd /home
b.   wget ftp://ftp.postgresql.org/pub/source/v9.0.4/postgresql-9.0.4.tar.gz
c.   tar –xvzf postgresql-9.0.4.tar.gz
d.   cd postgresql-9.0.4
e.   ./configure
f.   Make
g.   Make install
h.   adduser postgres *OR* useradd postgres
```
i.    mkdir -p /usr/local/pgsql/data
j.    chown -R postgres /usr/local/pgsql
k.    su postgres
l.    /usr/local/pgsql/bin/initdb -D /usr/local/pgsql/data
m.    /usr/local/pgsql/bin/pg_ctl –D /usr/local/pgsql/data/ -m
   fast restart
n.    Ctrl+d
```

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_setpup18.0.tar.gz** file to your above created directory.

3. Untar (tar –zxvf xgenplus_setup18.0.tar.gz *) the

xgenplus_setup18.0.tar.gz file in your current directory.

xgenplus_setup18.0.tar.gz consist of following directories / files

1. **xgenplus folder**
It contains all the necessary folders and JSP files
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 and keeps the web url.
7. **uninstallXGenPlus.exe (file)**
This will uninstall the XGenPlus Server .
8. **dropuserdb.exe (file)**
This will drops the database user and database objects.

STEPS TO FOLLOW

Installation Process
1. Execute the "sh **xgenplussetup.exe"** to install.
2. It will check for the Hard Disk Space and Memory. If both are sufficient
Then it will go forward otherwise exit from installation.
3. It will check for the **Orion web server path** and the **JDK path**.
4. 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.
5. Then it will ask for JDK path, if not found, provide the JDK path also.
6. 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.
7. 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)
8. If you have installed all the software correctly, it will give you the message
of successful installation.
9. 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.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

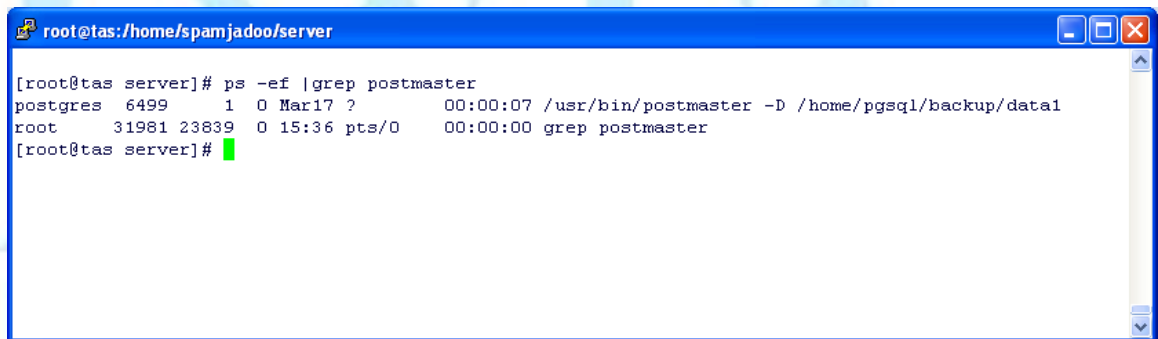**You must be logged in as <u>root</u> on the Server.**

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@tas:/home/spamjadoo/server

[root@tas server]# ps -ef |grep postmaster
postgres  6499     1  0 Mar17 ?        00:00:07 /usr/bin/postmaster -D /home/pgsql/backup/data1
root     31981 23839  0 15:36 pts/0    00:00:00 grep postmaster
[root@tas server]#
```

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
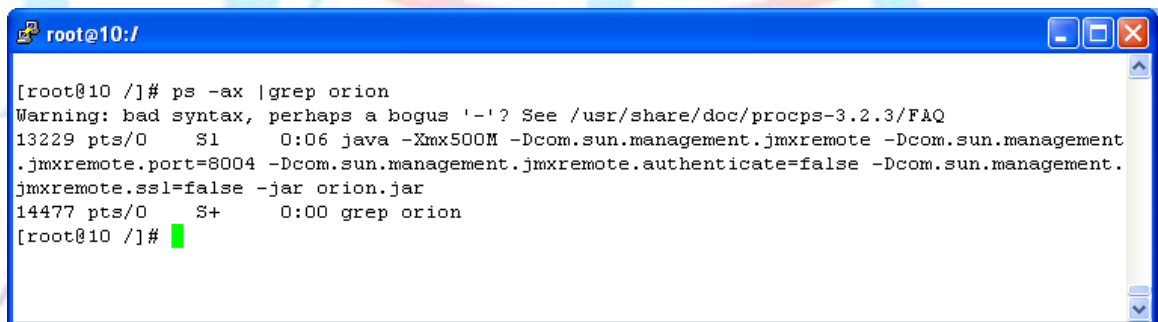
For Stop,
/etc/rc.d/init.d/postgresql stop

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@10:/

[root@10 /]# ps -ax |grep orion
Warning: bad syntax, perhaps a bogus '-'? See /usr/share/doc/procps-3.2.3/FAQ
13229 pts/0     S1      0:06 java -Xmx500M -Dcom.sun.management.jmxremote -Dcom.sun.management
.jmxremote.port=8004 -Dcom.sun.management.jmxremote.authenticate=false -Dcom.sun.management.
jmxremote.ssl=false -jar orion.jar
14477 pts/0     S+      0:00 grep orion
[root@10 /]#
```

If Orion Web Server is not running then you will not be able to see the login page of XgenPlus.
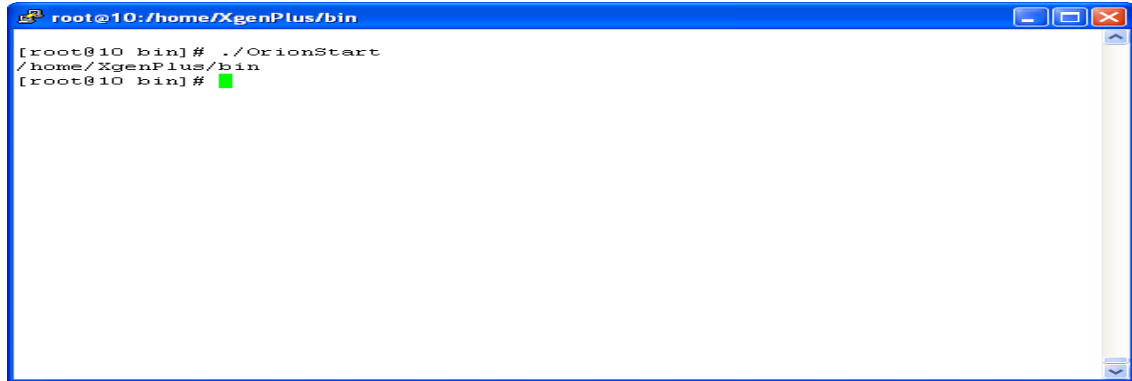
How to Start Orion Web Server

Type this command of sequence on prompt (first go to the bin in /home/XgenPlus directory).

cd /home/XgenPlus/bin
[root@10 bin]# ./OrionStart

When it will start it gives you **Orion/2.0.6 initialized** message on prompt

How to Stop Orion Web Server

cd /home/XgenPlus/bin
[root@10 bin]# ./OrionStop

OR
Killed by Process Id

Final Check
The Screen on the console should look like below.

login as: root
login as: root
root@10.11.13.15's password:
Last login: Thu Mar 18 13:48:53 2010 from 10.11.13.92
 [root@10 ~]# ps -ax |grep java
Warning: bad syntax, perhaps a bogus '-'? See /usr/share/doc/procps-3.2.3/FAQ
 4902 ?   Sl   0:02 java Forward ../../config/SmtpOutServerConfig.conf
 4903 ?   Sl   0:04 java TKJStartSMTP ../../config/SmtpOutServerConfig.conf
 4904 ?   Sl   0:04 java Bounce ../../config/SmtpOutServerConfig.conf
 4905 ?   Sl   0:01 java Retry ../../config/SmtpOutServerConfig.conf
 4952 ?   Sl   0:00 java -Xmx128M ServerMain
13229 pts/0   Sl   0:03 java -Xmx500M -Dcom.sun.management.jmxremote –
Dcom.sun.management.jmxremote.port=8004 -Dcom.sun.management.jmxremote.
authenticate=false -Dcom.sun.management.jmxremote.ssl=false -jar orion.jar
13607 pts/1   Sl   0:00 java XgenplusServer.Retry
13608 pts/1   Sl   0:00 java XgenplusServer.XgenplusStartSMTP
13610 pts/1   Sl   0:00 java -Xmx500M -Dcom.sun.management.jmxremote -
Dcom.sun.management.jmxremote.port=8005 -Dcom.sun.management.jmxremote.
authenticate=false -Dcom.sun.management.jmxremote.ssl=false
XgenplusServer.Xgenplusincoming
13611 pts/1   Sl   0:00 java -Xmx512M XgenplusServer.Xgenplusoutgoing
13650 pts/1   Sl   0:00 java XgenplusServer.Bounce
13651 pts/1   Sl   0:00 java XgenplusServer.EventRecur

13729 pts/4   R+   0:00 grep java
[root@10 ~]# ps -ax |grep postg
Warning: bad syntax, perhaps a bogus '-'? See /usr/share/doc/procps-3.2.3/FAQ
 3485 ?   S   0:00 postgres: logger process
 3594 ?   S   0:00 postgres: writer process
 3595 ?   S   0:00 postgres: stats buffer process
 3596 ?   S   0:00 postgres: stats collector process
13914 pts/0   R+   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 From outside.
  - **XgenPlusMailProcessing.log :** Log of incoming processed by mail parsing thread.
  - **XgenPlusOutgoing.log:** Log of Outgoing mail from XgenPlus web.
  - **XgenRetry.log:** Log of outgoing mails received by XgenPlus thread.
  - **SmtOut.log:** Log of outgoing mails which sent by XgenPlus
  - **SmtpOutForward.log** : Log of forwarding mails from Incoming SMTP server.
  - **SmtpOutRetry.log** : Log of those mail which were not sent by outgoing
  - **XgenPlusBounce.log :** Log of those mails which were not stored in user inbox.
  - **SmtpOutBounce.log :** Log of those mail which were not sent by outgoing
  - **PopServer.log** : Log of Incoming mails from POP server to email client (OutlookExpress and others).
  - **Imap.log** : Log of Incoming mails from IMAP server to email client (Outlook Express and others)

Xgenplus SERVER START/STOP PROCESS

home/XgenPlus/bin

For Start

[root@10 bin]#. /AllStart

For Stop

[root@10 bin]#. /AllStop

Server Configuration File

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

PopServerConfig.conf: Keeps the database connection detail for popserver.
ImapServerConfig.conf:- Keeps the database connection detail for Imap Server.
SmtpOutServerConfig.conf:- Keeps the database connection detail for Internal smtp erver
HostAllowed.conf:-Keep the ip range from You want to take mail from outside network.

SMTP Service setup for Delivery

/home/XgenPlus/etc/smtpserver
Read and setup the following files
WhiteListDomain.txt - Add Domain in this file from which you want to take mail.
WhiteListIp.txt - File contain the all ip , from where internal domain can send mail.
BlackListIp.txt - Do not allow any mail from these network ip range.
Routing.txt - Do not check mx and direct deliver to specific ip
BodyCheck.txt - Reject mails on the basis of body content.

WEB URL to access XgenPlus Admin and Mail Client
Check the **XGenPlus-web-site.xml in /home/XgenPlus/orion/config** for web url

<login id> = admin@<domain name>
<password> = Admin123

POP ADDRESS
<server IP>:110

IMAP ADDRESS
<server IP>:143

INCOMING SMTP
<server IP>:25