# Installation Guide - OBM – Linux

## System Requirements:

- Operating System : Linux Kernel 2.2 or above (e.g. Redhat 6.0 or above)
- Memory : 128 Mbytes
- Disk Space : 100 Mbytes
- Network Protocol : TCP/IP (Http/Https)
- Additional Requirement:
  - The Standard C++ libraries for backwards compatibility compiler (compat-libstdc++-x.x-y.y.y.y.i386.rpm) are required to run Backups4All Online Backup Manager correctly. If it is not installed already, please download and install this library from your Linux vendor.

## Download:

Obm-linux.tar.gz from the downloads page on www.backups4all.co.uk

## Get Started:

1. Download the setup file (obm-linux.tar.gz) above and run it
2. Set the OBM_HOME environment variable (directory to where Backups4All Online Backup Manager is to be installed)

```
export OBM_HOME=/usr/local/obm
```

3. Unpack the install file to OBM_HOME

```
mkdir $OBM_HOME
tar -x -C $OBM_HOME -zvf obm-linux.tar.gz
```

4. Set the DISPLAY environment variables

```
export DISPLAY=IP_ADDRESS_OF_XTERMINAL[:0.0]
```

For example

```
  export DISPLAY=:0.0
or export DISPLAY=127.0.0.1
or export DISPLAY=127.0.0.1:0.0
or export DISPLAY=192.168.0.2
or export DISPLAY=192.168.0.2:0.0
```

5. Run Backups4All Online Backup Manager

```
sh $OBM_HOME/bin/BackupManager.sh &
```

6. (optional) Enter the backup server host name in the [Address] field and press the [Next] button.
7. If you don't have a backup account, select [Trial Registration] and press the [Next] button.
   i. Enter the [Login Name] and [Password] of your choice
   ii. Enter your [Email address] in the text field provided
   iii. Press the [Submit] button
   iv. You should be logged to the backup server already (if the [Login Name] of your choice is already taken by another user, try a different login name)
8. If you have a backup account already, select [User Logon] and logon to the server with your existing username and password.
9. If this is the first time you logon to the server, you will be guided to setup a backup set
   i. Enter a backup set name of your choice in the [Name] field

ii. Select the files that you want to backup
iii. Setup the backup schedule by pressing the [Properties] button (please note that you can add multiple backup schedules to a backup set)
iv. Setup the encryption setting for your backup set (if you don't know much about encryption, just accept the default values here)
v. Press the [Finish] button

10. To run a backup immediately, select your backup set from the left panel and press the [Start Backup] button above. Select [Off-site Backup Server] and press the [OK] button.
11. Select the backup set to run and press the [Start Backup] button
12. If you want scheduled backup to run automatically, you must start the backup scheduler by

```
nohup sh $OBM_HOME/bin/Scheduler.sh > /dev/null
```

All backup sets will now be run at their scheduled times automatically.

13. (Optional) Start backup scheduler on machine startup
    i. Add the OBM_HOME environment variable to root profile by adding the following line to /root/.bash_profile

```
OBM_HOME=/usr/local/obm; export OBM_HOME
```

    ii. Add backup scheduler to your startup script by adding the following line to /etc/rc.d/rc.local

```
su -c 'nohup sh $OBM_HOME/bin/Scheduler.sh > /dev/null'
```

14. Setup is complete.

## Get Started – Command Line Mode:

1. Download the setup file (obm-linux.tar.gz) above and run it
2. Set the OBM_HOME environment variable (directory to where Backups4All Online Backup Manager is to be installed)

```
OBM_HOME=/usr/local/obm; export OBM_HOME
```

3. Unpack the install file to OBM_HOME

```
mkdir $OBM_HOME
tar -x -C $OBM_HOME-zvf obm-linux.tar.gz
```

4. Adding, updating and removing a backup set
    i. If you want to update a backup set, make changes to a backup set and press the [Update] button
    ii. If you want to add a new backup set, click the [Add] link
    iii. If you want to remove a backup set, Select the backup set to be remove and click the [Remove] button
5. Using Backup Configurator

```
sh $OBM_HOME/bin/Configurator.sh
```

6. Enter your Login Name, Password, Backup Server URL and proxy setting as shown below

```
Login Name: userXXX
Password: ********************
Backup Server URL: xxx.yyy.com
Which Protocol ? (1) Http (2) Https : 1
Use proxy ? (Y)es or (N)o :Y
Proxy Type ? (1) Http/Https Proxy (2 ) SOCKS : 1
Enter proxy server : aaa.bbb.com
```

```
Enter proxy port : xxx
Enter proxy username (optional) : administrator
Enter proxy password (optional) : ********************
```

7. If you have created a new backup set using the web interface, you set the encrypting key, the encrypting algorithm and the encrypting mode of this backup set by following instructions below.

**Important: You cannot change these parameters once they are set**

```
Found new backup set 'xxx'
Please enter the following values for this backup set:

Encrypting Algorithm ?
(1) Twofish (2) AES (3) Triple DES (4) No encryption : 1
Encrypting Key: ********************
Re-Enter Encrypting Key: ********************
Encrypting Mode ? (1) ECB (2) CBC : 1
Run scheduled backup on this computer ? (Y)es or (N)o : Y
```

8. If you want to make any changes to the setting above, you can use the main menu below to do so.

```
Main Menu:
------------
(1). List Backup Setting
(2). Change Password
(3). Change Network Setting
(4). Change run scheduled backup setting
(5). Quit

Your Choice:
```

9. You can then run a backup by executing the command below.

```
sh $OBM_HOME/bin/RunBackupSet.sh [BACKUP_SET]
```

where [BACKUP_SET] is the name of backup set to be run

10. If you want scheduled backup to run automatically, you must start the backup scheduler by

```
nohup sh $OBM_HOME/bin/Scheduler.sh > /dev/null
```

All backup sets will now be run at their scheduled times automatically.

11. (Optional) Start backup scheduler on machine startup
    i. Add the OBM_HOME environment variable to root profile by adding the following line to /root/.bash_profile

```
OBM_HOME=/usr/local/obm; export OBM_HOME
```

    ii. Add backup scheduler to your startup script by adding the following line to /etc/rc.d/rc.local

```
su -c 'nohup sh $OBM_HOME/bin/Scheduler.sh > /dev/null'
```

12. Setup completed.